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# UNIVERSITY OF ILLINOIS

DEPARTMENT OF CROP SCIENCES-WEED SCIENCE



## *WEED SCIENCE*

1996

**ANNUAL WEED CONTROL  
RESEARCH REPORT**

OCT 11 1999

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UNIVERSITY OF ILLINOIS  
URBANA-CHAMPAIGN, IL



## INTRODUCTION

This report is a summary of herbicide evaluation studies conducted at the University of Illinois Department of Crop Sciences Weed Science program in 1996. These studies represent a cooperative effort by the University of Illinois and USDA / Agricultural Research Service personnel. The purpose of this report is to inform our colleagues at other universities, our cooperators in industry, and other interested persons of the results of our 1996 field research. The information within does not constitute a recommendation or endorsement of any product or rate. Current recommendations for weed control in field crops are available from the University of Illinois Cooperative Extension Service.

Weed control and crop injury ratings are based on a 0 to 99 scale with 99 equal to complete kill. Plant species are reported as a five-letter Bayer code. Herbicides are referred to by their trade name or experimental number. A list of weed species and herbicides used in these studies can be found in the appendix. A list containing the abbreviated codes used and their meanings appears in appendix F. Rates given as active ingredient or acid equivalent where applicable.

Fast finish field cultivator with basket tines at two passes was used for all preplant incorporated (PPI) treatments.

In preparing individual studies we tried to be as complete as possible, however, certain omissions do occur. In addition, despite careful proofing, certain errors in text entry and compilation may exist. If you believe that you have found an error, need further assistance, or have suggestions, please contact Doug Maxwell, Steve Hart, or Loyd Wax.

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FMC CORPORATION  
GRIFFIN CHEMICAL CO.  
HELENA CHEMICAL COMPANY  
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TERRA INTERNATIONAL, INC.  
UNITED AGRI PRODUCTS  
UNITED SUPPLIERS  
VALENT CHEMICAL COMPANY  
WILBUR-ELLIS COMPANY  
ZENECA CHEMICAL COMPANY**



WEED CONTROL SYSTEMS IN NO-TILL CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 24 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
<b>TIMINGS</b>	04	09	11	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	04-08-96	05-22-96	06-14-96	MDY
<b>AIR TEMPERATURE</b>	42	81	84	½F
<b>% REL. HUMIDITY</b>	35	50	70	
<b>WIND DIRECTION</b>	NORTH	NA/NONE	WEST	
<b>WIND SPEED</b>	3.0	0.0	2.0	M/H
<b>SKY CONDITION</b>	OVERCAST	CLEAR	CLEAR	
<b>LEAF MOISTURE</b>	DRY	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	
<b>PRESSURE</b>	30.00	30.00	30.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
<b>*** CROP ***</b>				
CORN, DENT	HGH/NA	HGH/NA	HGH/12	
PIONEER 3335	****/****	****/****	5.00/5.00	IN
05-22-96				
<b>*** PEST ***</b>				
VELVETLEAF	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/1.00	IN
JIMSONWEED	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN

## \* TIMING CODES

04 = VEPP 30 DBP  
09 = PREEMERGENCE  
11 = EPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	CHEAL	POLPY	DATST	
	RATE	UNIT	TM	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	
1AEBICEP II	4.13	LAA	4	2	78	87	99	99	99	
2A SURPASS 100 (5SC)	3.5	LAA	4	0	53	62	99	99	99	
3AEHARNES EXTRA 5.6	3.64	LAA	4	2	68	73	99	98	99	
4A GUARDSMAN (5SE)	3.13	LAA	4	3	60	50	99	99	99	
5A EXTRAZINE II DF (90WG)	4.5	LAA	4	3	50	63	89	99	99	
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
7A TOPNOTCH (3.2CS) B ATRAZINE 90DF (WG)	2.00 1.5	LAA LAA	4 4	2	62	67	99	99	99	
8A TOPNOTCH (3.2CS) B ATRAZINE 90DF (WG)	2.4 1.5	LAA LAA	4 4	2	75	75	99	99	99	
9AEICIA5676/ATRAZ.4SC	3.3	LAA	4	2	58	68	99	99	99	
10AEICIA5676/ATRAZ.4SC	3.6	LAA	4	2	55	75	99	99	99	
11AEICIA5676/ATRAZ.4SC	4.00	LAA	4	2	75	78	99	99	99	
12AEAXIOM B ATRAZINE 90DF (WG)	0.98 1.5	LAA LAA	4 4	2	88	83	99	99	99	
13AEAXIOM B MARKSMAN (3.2SC)	0.98 1.4	LAA LAA	4 11	0	96	99	99	99	99	
14A DUAL II (7.8EC) B MARKSMAN (3.2SC)	2.5 1.4	LAA LAA	4 11	7	95	96	99	99	99	
15A DUAL II (7.8EC) B SENCOR DF (75WG) C MARKSMAN (3.2SC)	2.5 0.188 1.4	LAA LAA LAA	4 4 11	2	96	91	99	98	99	
16A BROADSTRIKE + DUAL (7.67SC) B ATRAZINE 90DF (WG)	2.64 1.25	LAA LAA	4 4	2	57	96	99	99	99	
17A TOPNOTCH (3.2CS) B BROADSTRIKE PLUS CORN PRE/PPI	2.4 0.26	LAA LAA	4 4	0	58	99	99	99	88	
18A SURPASS 100 (5SC) B BROADSTRIKE PLUS CORN PRE/PPI	3.5 0.17	LAA LAA	4 4	2	67	99	99	99	99	
19AEBICEP II	3.69	LAA	9	7	98	99	99	99	99	
20A SURPASS 100 (5SC)	3.13	LAA	9	7	82	78	99	91	99	
21AEHARNES EXTRA 5.6	3.36	LAA	9	3	90	90	99	99	99	
22A GUARDSMAN (5SE)	2.8	LAA	9	7	98	94	99	99	99	
23A EXTRAZINE II DF (90WG)	4.00	LAA	9	5	90	90	99	99	99	
24A TOPNOTCH (3.2CS) B ATRAZINE 90DF (WG)	2.00 1.5	LAA LAA	9 9	5	98	98	99	99	99	
25AEICIA5676/ATRAZ.4SC	3.00	LAA	9	3	91	85	99	99	99	
26AEICIA5676/ATRAZ.4SC	3.3	LAA	9	3	93	93	99	99	99	
27AEAXIOM B ATRAZINE 90DF (WG)	0.94 1.5	LAA LAA	9 9	0	96	99	99	99	99	
28A BROADSTRIKE + DUAL (7.67SC) B ATRAZINE 90DF (WG)	2.4 1.25	LAA LAA	9 9	7	98	99	99	99	99	
29A TOPNOTCH (3.2CS) B BROADSTRIKE PLUS CORN PRE/PPI	2.00 0.26	LAA LAA	9 9	2	88	99	99	99	99	
30A SURPASS 100 (5SC) B BROADSTRIKE PLUS CORN PRE/PPI	3.13 0.17	LAA LAA	9 9	7	96	99	99	99	99	
				LSD (0.05) STANDARD DEVIATION	4.0 3.1	16.4 23.4	9.7 21.0	5.0 18.0	2.3 17.8	2.3 17.8



EVALUATION OF SAN1412H FOR WEED CONTROL IN NO-TILL CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 24 FEET

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APPL. NUMBER	01	02	UNIT
TIMINGS	04	11	
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APPLICATION DATE	04-08-96	06-14-96	MDY
AIR TEMPERATURE	42	83	½F
% REL. HUMIDITY	35	70	
WIND DIRECTION	NORTH	WEST	
WIND SPEED	3.0	2.0	M/H
SKY CONDITION	OVERCAST	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
CORN, DENT	HGH/NA	HGH/12	
PIONEER 3335	****/****	5.00/5.00	IN
05-22-96			
*** PEST ***			
LAMBSQUARTERS, C	HGH/NA	HGH/17	
	****/****	2.00/4.00	IN
SMARTWEED, PENNS	HGH/12	HGH/19	
	1.00/1.00	4.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	2.00/3.00	IN
CHICKWEED, COMMO	HGH/12	HGH/19	
	1.00/1.00	2.00/4.00	IN
DANDELION, COMMO	HGH/12	HGH/19	
	1.00/1.00	5.00/6.00	IN

## \* TIMING CODES

04 = VEPP 30 DBP  
11 = EPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	STEME	TAROF	POLPY	SETFA	STEME
	RATE	UNIT	TM	CON % 06-04-96	CON % 06-04-96	CON % 06-04-96	CON % 06-04-96	CON % 06-14-96	CON % 06-14-96
1A ROUNDUP (3SL)	0.188	LAA	4	90	99	78	90	68	99
B FRONTIER 6.0EC	1.48	LAA	4						
C BANVEL (4SL)	0.25	LAA	4						
2A ROUNDUP (3SL)	0.188	LAA	4	90	86	72	63	78	91
B FRONTIER 6.0EC	1.48	LAA	4						
C BANVEL (4SL)	0.3	LAA	4						
3A ROUNDUP (3SL)	0.188	LAA	4	88	96	70	73	78	99
BESAN1412 720EC	1.5	LAA	4						
C BANVEL (4SL)	0.25	LAA	11						
4A ROUNDUP (3SL)	0.188	LAA	4	93	99	85	80	82	99
BESAN1412 720EC	1.78	LAA	4						
C BANVEL (4SL)	0.25	LAA	11						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
B ROUNDUP (3SL)	0.188	LAA	4						
6A ROUNDUP (3SL)	0.188	LAA	4	96	99	88	98	90	98
BESAN1412 720EC	3.56	LAA	4						
C BANVEL (4SL)	0.25	LAA	11						
7A ROUNDUP (3SL)	0.188	LAA	4	90	94	82	91	85	93
BESAN1412 720EC	1.78	LAA	4						
CE2,4-D LVE	0.5	LAA	4						
D BANVEL (4SL)	0.25	LAA	11						
8A ROUNDUP (3SL)	0.188	LAA	4	90	83	70	85	82	82
B FRONTIER 6.0EC	1.48	LAA	4						
CE2,4-D LVE	0.5	LAA	4						
D BANVEL (4SL)	0.25	LAA	11						
9A ROUNDUP (3SL)	0.188	LAA	4	90	99	82	99	80	99
B GUARDSMAN (5SE)	2.8	LAA	4						
C BANVEL (4SL)	0.25	LAA	11						
		LSD (0.05)		7.6	11.7	19.7	16.8	10.6	9.9
		STANDARD DEVIATION		28.9	30.7	26.9	29.8	26.6	30.7



TRT COMPOUND NUM TESTED	DOSAGE			TAROF	POLPY	SETFA	POLPY	CHEAL	
	RATE	UNIT	TM	CON % 06-14-96	CON % 06-14-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	
1A ROUNDUP (3SL) BEFRONTIER 6.0EC C BANVEL (4SL)	0.188 1.48 0.25	LAA LAA LAA	4 4 4	80	73	63	50	37	
2A ROUNDUP (3SL) BEFRONTIER 6.0EC C BANVEL (4SL)	0.188 1.48 0.3	LAA LAA LAA	4 4 4	75	62	55	43	37	
3A ROUNDUP (3SL) BESAN1412 720EC C BANVEL (4SL)	0.188 1.5 0.25	LAA LAA LAA	4 4 11	73	75	55	98	96	
4A ROUNDUP (3SL) BESAN1412 720EC C BANVEL (4SL)	0.188 1.78 0.25	LAA LAA LAA	4 4 11	86	80	62	98	96	
5A UNTREATED CHECK B ROUNDUP (3SL)	0.00 0.188	NA LAA	0 4	0	0	0	0	0	
6A ROUNDUP (3SL) BESAN1412 720EC C BANVEL (4SL)	0.188 3.56 0.25	LAA LAA LAA	4 4 11	88	90	78	98	95	
7A ROUNDUP (3SL) BESAN1412 720EC CE2,4-D LVE D BANVEL (4SL)	0.188 1.78 0.5 0.25	LAA LAA LAA LAA	4 4 4 11	87	78	55	99	98	
8A ROUNDUP (3SL) BEFRONTIER 6.0EC CE2,4-D LVE D BANVEL (4SL)	0.188 1.48 0.5 0.25	LAA LAA LAA LAA	4 4 4 11	75	77	43	98	91	
9A ROUNDUP (3SL) B GUARDSMAN (5SE) C BANVEL (4SL)	0.188 2.8 0.25	LAA LAA LAA	4 4 11	87	99	60	99	99	
				LSD (0.05) STANDARD DEVIATION	16.8 27.3	16.8 28.0	10.2 22.1	9.6 34.4	13.6 35.7

£ = SUPPLEMENTAL CHEMICAL

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 24 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	06	09	10	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	05-22-96	06-12-96	MDY
AIR TEMPERATURE	52	83	73	½F
% REL.HUMIDITY	85	50	75	
WIND DIRECTION	NORTHEAST	NA/NONE	NA/NONE	
WIND SPEED	3.0	0.0	0.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	MOIST	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT PIONEER 3335 05-22-96	HGH/00 ****/****	HGH/00 ****/****	HGH/11 4.00/4.00	IN
*** PEST *** LAMBSQUARTERS, C	HGH/12 0.50/1.00	HGH/14 1.00/1.00	HGH/16 2.00/2.00	IN
SMARTWEED, PENNS	HGH/11 1.00/1.00	HGH/12 2.00/2.00	HGH/14 3.00/4.00	IN
FOXTAIL, GIANT	HGH/11 1.00/1.00	HGH/12 2.00/2.00	HGH/13 4.00/4.00	IN
CHICKWEED, COMMO	HGH/11 1.00/1.00	HGH/13 2.00/2.00	HGH/15 3.00/3.00	IN
DANDELION, COMMO	HGH/16 2.00/2.00	HGH/18 3.00/4.00	HGH/19 4.00/6.00	IN

\* TIMING CODES

06 = VEPP 7 DBP  
 09 = PREEMERGENCE

APPLICATIONS

\* TIMING CODES

10 = VEPOST

\* STAGE CODE

00 = DRY SEED (DORMANT)  
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	CHEAL	STEME	TAROF	POLPY
	RATE	UNIT	TM	CON % 06-05-96	CON % 06-05-96	CON % 06-05-96	CON % 06-05-96	CON % 06-05-96	CON % 06-05-96
1A ROUNDUP (3SL)	0.38	LAA	6	0	82	97	99	99	89
BE2,4-D LVE	0.5	LAA	6						
CEACTIVATE PLUS	0.5	PMV	6						
DEDPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
FECOC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
2AE2,4-D LVE	0.5	LAA	6	0	95	99	90	86	90
BEACTIVATE PLUS	0.25	PMV	6						
CEDPX-79406 75DF	0.023	LAA	10						
D ATRAZINE 90DF (WG)	0.75	LAA	10						
EFCOC	1.00	PMV	10						
F FERTILIZER - 28%UAN	2.5	PMV	10						
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A BANVEL (4SL)	0.125	LAA	6	0	92	99	80	94	98
BE2,4-D LVE	0.125	LAA	6						
CEACTIVATE PLUS	0.25	PMV	6						
DEDPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
FECOC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
5AE2,4-D LVE	0.5	LAA	6	0	93	99	90	98	93
B ATRAZINE 90DF (WG)	0.5	LAA	6						
CECOC	1.00	PMV	6						
DEDPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
FECOC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
6A ROUNDUP (3SL)	0.25	LAA	6	0	92	99	99	98	91
BE2,4-D LVE	0.25	LAA	6						
CEACTIVATE PLUS	0.25	PMV	6						
DEDPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
FECOC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
7AEDPX-79406 75DF	0.023	LAA	9	2	99	99	99	92	98
B ATRAZINE 90DF (WG)	0.75	LAA	9						
CECOC	1.00	PMV	9						
D FERTILIZER - 28%UAN	2.5	PMV	9						
8AEDPX-79406 75DF	0.023	LAA	9	0	99	99	99	87	99
B ATRAZINE 90DF (WG)	1.25	LAA	9						
CECOC	1.00	PMV	9						
D FERTILIZER - 28%UAN	2.5	PMV	9						
9AEDPX-79406 75DF	0.023	LAA	9	0	98	99	99	97	99
B ATRAZINE 90DF (WG)	0.75	LAA	9						
CE2,4-D LVE	1.00	LAA	9						
DECOE	2.00	PMV	9						
EE28% CARRIER	0.00	PMV	9						
10AEBICEP II	4.13	LAA	6	0	99	99	99	98	99
B ROUNDUP (3SL)	0.38	LAA	6						
CEACTIVATE PLUS	0.5	PMV	6						
				LSL (0.05)	1.6	7.4	1.1	8.1	7.9
				STANDARD DEVIATION	0.9	28.9	29.6	29.4	29.1





TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	CHEAL	STEME	TAROF	POLPY	
	RATE	UNIT		CON % 07-12-96	CON % 07-12-96	CON % 07-12-96	CON % 07-12-96	CON % 07-12-96	CON % 07-12-96	
1A ROUNDUP (3SL)	0.38	LAA	6	8	83	99	99	98	98	
BE2,4-D LVE	0.5	LAA	6							
CEACTIVATE PLUS	0.5	PMV	6							
DEDPX-79406 75DF	0.023	LAA	10							
E ATRAZINE 90DF (WG)	0.75	LAA	10							
FECOC	1.00	PMV	10							
G FERTILIZER - 28%UAN	2.5	PMV	10							
2AE2,4-D LVE	0.5	LAA	6	8	87	99	99	95	99	
BEACTIVATE PLUS	0.25	PMV	6							
CEDPX-79406 75DF	0.023	LAA	10							
D ATRAZINE 90DF (WG)	0.75	LAA	10							
EFCOC	1.00	PMV	10							
F FERTILIZER - 28%UAN	2.5	PMV	10							
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
4A BANVEL (4SL)	0.125	LAA	6	7	83	99	99	97	99	
BE2,4-D LVE	0.125	LAA	6							
CEACTIVATE PLUS	0.25	PMV	6							
DEDPX-79406 75DF	0.023	LAA	10							
E ATRAZINE 90DF (WG)	0.75	LAA	10							
FECOC	1.00	PMV	10							
G FERTILIZER - 28%UAN	2.5	PMV	10							
5AE2,4-D LVE	0.5	LAA	6	5	78	99	99	98	96	
B ATRAZINE 90DF (WG)	0.5	LAA	6							
CECOC	1.00	PMV	6							
DEDPX-79406 75DF	0.023	LAA	10							
E ATRAZINE 90DF (WG)	0.75	LAA	10							
FECOC	1.00	PMV	10							
G FERTILIZER - 28%UAN	2.5	PMV	10							
6A ROUNDUP (3SL)	0.25	LAA	6	8	87	99	99	95	99	
BE2,4-D LVE	0.25	LAA	6							
CEACTIVATE PLUS	0.25	PMV	6							
DEDPX-79406 75DF	0.023	LAA	10							
E ATRAZINE 90DF (WG)	0.75	LAA	10							
FECOC	1.00	PMV	10							
G FERTILIZER - 28%UAN	2.5	PMV	10							
7AEDPX-79406 75DF	0.023	LAA	9	10	75	70	99	88	83	
B ATRAZINE 90DF (WG)	0.75	LAA	9							
CECOC	1.00	PMV	9							
D FERTILIZER - 28%UAN	2.5	PMV	9							
8AEDPX-79406 75DF	0.023	LAA	9	15	82	99	99	85	96	
B ATRAZINE 90DF (WG)	1.25	LAA	9							
CECOC	1.00	PMV	9							
D FERTILIZER - 28%UAN	2.5	PMV	9							
9AEDPX-79406 75DF	0.023	LAA	9	10	60	96	99	90	88	
B ATRAZINE 90DF (WG)	0.75	LAA	9							
CE2,4-D LVE	1.00	LAA	9							
DECOC	2.00	PMV	9							
EE28% CARRIER	0.00	PMV	9							
10AEBICEP II	4.13	LAA	6	5	98	99	99	95	99	
B ROUNDUP (3SL)	0.38	LAA	6							
CEACTIVATE PLUS	0.5	PMV	6							
				LSD (0.05)	7.1	9.5	5.9	0.0	9.1	10.3
				STANDARD DEVIATION	5.0	26.5	30.0	29.7	28.6	29.4

£ = SUPPLEMENTAL CHEMICAL

EARLY PREPLANT CHLOROACETAMIDE EFFICACY EVALUATION  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.2  
%OM: 4.7  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	02	03	04	05	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	03-11-96	03-26-96	03-09-96	04-24-96	05-28-96	MDY
AIR TEMPERATURE	40	22	44	46	67	½F
% REL. HUMIDITY	42	30	36	81	97	
WIND DIRECTION	NORTH	NORTHWEST	NORTHEAST	SOUTH	SOUTH	
WIND SPEED	8.0	10.0	5.0	10.0	8.0	M/H
SKY CONDITION	CLEAR	OVERCAST	CLEAR	CLOUDY	CLOUDY	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP ***						
CORN, DENT	HGH/NA	HGH/NA	HGH/NA	HGH/NA	HGH/NA	
PIONEER 3335	****/****	****/****	****/****	****/****	****/****	IN
05-22-96						
*** PEST ***						
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/NA	HGH/NA	HGH/NA	
	****/****	****/****	****/****	****/****	****/****	IN

## APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	06	UNIT
TIMINGS	10	
TYPE	LIQMXSPR	
APPLICATION DATE	06-12-96	MDY
AIR TEMPERATURE	78	½F
% REL.HUMIDITY	57	
WIND DIRECTION	NORTH	
WIND SPEED	5.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/11	
PIONEER 3335	2.00/2.00	IN
05-22-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/11	
	1.00/1.00	IN

## \* TIMING CODES

02 = VEPP 60 DBP  
 03 = VEPP 45 DBP  
 04 = VEPP 30 DBP  
 05 = VEPP 15 DBP  
 09 = PREEMERGENCE  
 10 = VEPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D, and 0.5% NIS on 5-22-96

Blanket application Dicamba 6-14-96

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ZEAMD	SETFA	ZEAMD	SETFA	
	RATE	UNIT	TM	CON % 06-22-96	CON % 06-22-96	CON % 07-22-96	CON % 07-22-96	CON % 08-30-96	CON % 08-30-96	
1AEDUAL II MAGNUM 915GL	1.9	LAA	2	2	90	7	88	0	92	
2A DUAL II (7.8EC)	3.00	LAA	2	2	94	7	95	0	96	
3AEFRONTIER 6.0EC	1.46	LAA	2	2	78	8	77	0	73	
4AETOPNOTCH	2.4	LAA	2	3	63	7	72	0	67	
5AEAXIOM	1.02	LAA	2	0	96	5	95	0	89	
6A UNTREATED CHECK	0.00	NA	10	0	0	0	0	0	0	
7AEDUAL II MAGNUM 915GL	1.9	LAA	3	2	94	5	88	0	90	
8A DUAL II (7.8EC)	3.00	LAA	3	3	99	5	98	0	98	
9AEFRONTIER 6.0EC	1.46	LAA	3	2	91	7	85	0	83	
10AETOPNOTCH	2.4	LAA	3	2	87	5	85	0	83	
11AEAXIOM	1.02	LAA	3	3	97	5	98	0	95	
12AEDUAL II MAGNUM 915GL	1.9	LAA	4	5	80	7	94	0	93	
13A DUAL II (7.8EC)	3.00	LAA	4	3	98	5	91	0	93	
14AEFRONTIER 6.0EC	1.46	LAA	4	3	77	8	77	0	72	
15AETOPNOTCH	2.4	LAA	4	2	78	10	78	0	75	
16AEAXIOM	1.02	LAA	4	2	97	5	99	0	97	
17AEDUAL II MAGNUM 915GL	1.9	LAA	5	2	95	5	98	0	99	
18A DUAL II (7.8EC)	3.00	LAA	5	3	98	7	98	0	98	
19AEFRONTIER 6.0EC	1.46	LAA	5	2	98	7	98	0	94	
20AETOPNOTCH	2.4	LAA	5	2	93	7	96	0	93	
21AEAXIOM	1.02	LAA	5	5	95	5	98	0	95	
22AEDUAL II MAGNUM 915GL	1.9	LAA	9	3	96	5	98	0	96	
23A DUAL II (7.8EC)	3.00	LAA	9	2	92	5	95	0	95	
24AEFRONTIER 6.0EC	1.46	LAA	9	0	98	5	99	0	93	
25AETOPNOTCH	2.4	LAA	9	0	98	5	91	0	93	
26AEAXIOM	1.02	LAA	9	2	93	5	92	0	91	
27AEFRONTIER 6.0EC	1.46	LAA	10	2	96	5	98	0	93	
B ACCENT (75WG)	0.016	LAA	10							
CEACTIVATE PLUS	0.25	PMV	10							
28AEHAND WEDED	0.00	NA	0	0	99	0	99	0	99	
				LSD (0.05)	3.9	8.4	2.7	8.4	0.0	5.8
				STANDARD DEVIATION	2.8	19.5	2.4	19.2	0.0	19.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	YIELD BU/A 10-21-96
	RATE	UNIT		
1A£DUAL II MAGNUM 915GL	1.9	LAA	2	145.3
2A DUAL II (7.8EC)	3.00	LAA	2	145.6
3A£FRONTIER 6.0EC	1.46	LAA	2	130.3
4A£TOPNOTCH	2.4	LAA	2	137.3
5A£AXIOM	1.02	LAA	2	140.4
6A UNTREATED CHECK	0.00	NA	10	123.4
7A£DUAL II MAGNUM 915GL	1.9	LAA	3	151.1
8A DUAL II (7.8EC)	3.00	LAA	3	150.8
9A£FRONTIER 6.0EC	1.46	LAA	3	132.1
10A£TOPNOTCH	2.4	LAA	3	149.3
11A£AXIOM	1.02	LAA	3	149.4
12A£DUAL II MAGNUM 915GL	1.9	LAA	4	135.2
13A DUAL II (7.8EC)	3.00	LAA	4	156.3
14A£FRONTIER 6.0EC	1.46	LAA	4	131.2
15A£TOPNOTCH	2.4	LAA	4	148.5
16A£AXIOM	1.02	LAA	4	143.9
17A£DUAL II MAGNUM 915GL	1.9	LAA	5	143.0
18A DUAL II (7.8EC)	3.00	LAA	5	146.5
19A£FRONTIER 6.0EC	1.46	LAA	5	141.9
20A£TOPNOTCH	2.4	LAA	5	135.2
21A£AXIOM	1.02	LAA	5	150.8
22A£DUAL II MAGNUM 915GL	1.9	LAA	9	155.5
23A DUAL II (7.8EC)	3.00	LAA	9	155.1
24A£FRONTIER 6.0EC	1.46	LAA	9	155.5
25A£TOPNOTCH	2.4	LAA	9	140.4
26A£AXIOM	1.02	LAA	9	151.1
27A£FRONTIER 6.0EC	1.46	LAA	10	144.2
B ACCENT (75WG)	0.016	LAA	10	
C£ACTIVATE PLUS	0.25	PMV	10	
28A£HAND WEDED	0.00	NA	0	139.3
		LSD (0.05)		27.7
		STANDARD DEVIATION		16.4

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF EXP31130A WEED CONTROL IN NO-TILL CORN APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
<b>TIMINGS</b>	05	09	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	04-25-96	05-22-96	MDY
<b>AIR TEMPERATURE</b>	62	81	½F
<b>% REL.HUMIDITY</b>	70	50	
<b>WIND DIRECTION</b>	SOUTH	NA/NONE	
<b>WIND SPEED</b>	12.0	0.0	M/H
<b>SKY CONDITION</b>	CLOUDY	CLEAR	
<b>LEAF MOISTURE</b>	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	
<b>PRESSURE</b>	30.00	30.00	PSI
<b>DILUENT</b>	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
<b>*** CROP ***</b>			
CORN, DENT	HGH/NA	HGH/NA	
PIONEER 3335	****/****	****/****	IN
05-22-96			
<b>*** PEST ***</b>			
VELVETLEAF	HGH/NA	HGH/NA	
	****/****	****/****	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/NA	
	****/****	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	
	****/****	****/****	IN
JIMSONWEED	HGH/NA	HGH/NA	
	****/****	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	
	****/****	****/****	IN

\* TIMING CODES

05 = VEPP 15 DBP  
 09 = PREEMERGENCE

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D, and 0.5% NIS 5-22-96

TRT COMPOUND NUM TESTED	DOSAGE			TM	ZEAMD	SETFA	CHEAL	AMACH	ABUTH	DATST
	RATE	UNIT			CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96
1AEXP31130A	0.094	LAA	5		0	28	93	68	80	83
2AEXP31130A	0.14	LAA	5		0	65	98	86	90	93
3AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.00	LAA LAA	5 5		0	90	99	93	88	93
4AEXP31130A B TOPNOTCH (3.2CS)	0.14 1.00	LAA LAA	5 5		0	90	99	98	85	91
5A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0
6AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.5	LAA LAA	5 5		0	87	98	98	88	99
7AEXP31130A B ATRAZINE 90DF (WG) C TOPNOTCH (3.2CS)	0.094 1.25 1.00	LAA LAA LAA	5 5 5		0	80	99	99	88	98
8AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5		3	92	99	82	87	90
9AEXP31130A B DUAL II (7.8EC)	0.14 1.25	LAA LAA	5 5		2	93	89	90	87	93
10AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5		2	90	96	95	88	99
11AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	5 5 5		0	95	99	98	88	99
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5		3	75	99	93	88	98
13AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5		0	88	99	98	92	98
14A DUAL II (7.8EC) B ATRAZINE 90DF (WG)	2.00 2.00	LAA LAA	5 5		0	95	99	99	78	99
15AEBICEP II	4.13	LAA	5		2	96	99	99	85	99
16AEXP31130A	0.094	LAA	9		0	95	99	98	93	99
17AEXP31130A	0.118	LAA	9		3	95	98	99	95	98
18AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.00	LAA LAA	9 9		2	95	96	99	92	99
19AEXP31130A B TOPNOTCH (3.2CS)	0.118 1.00	LAA LAA	9 9		3	96	99	99	95	99
20AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.5	LAA LAA	9 9		5	96	99	99	95	99
21AEXP31130A B ATRAZINE 90DF (WG) C TOPNOTCH (3.2CS)	0.094 1.25 1.00	LAA LAA LAA	9 9 9		2	98	99	99	93	99
22AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	9 9		2	98	99	98	88	99
23AEXP31130A B DUAL II (7.8EC)	0.118 1.25	LAA LAA	9 9		0	98	99	99	96	99
24AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	9 9		0	98	98	99	94	99
25AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	9 9 9		3	96	99	99	93	99
26AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	9 9		5	96	99	99	92	99



TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	CHEAL	AMACH	ABUTH	DATST	
	RATE	UNIT	TM	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	
27AEXP31130A	0.094	LAA	9	5	93	99	99	96	99	
B ATRAZINE 90DF (WG)	2.00	LAA	9							
28A DUAL II (7.8EC)	2.00	LAA	9	2	92	99	99	93	99	
B ATRAZINE 90DF (WG)	2.00	LAA	9							
29AEBICEP II	4.13	LAA	9	0	95	99	99	95	99	
30AEHAND WEDED	0.00	NA	0	0	99	99	99	99	99	
				LSD (0.05)	3.9	10.8	5.9	8.2	8.2	5.9
				STANDARD DEVIATION	2.6	21.7	18.0	18.8	17.4	18.0

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	CHEAL	AMACH	ABUTH	DATST
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
1AEXP31130A	0.094	LAA	5	0	30	98	78	90	93
2AEXP31130A	0.14	LAA	5	0	38	99	91	93	93
3AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.00	LAA LAA	5 5	0	68	98	93	87	93
4AEXP31130A B TOPNOTCH (3.2CS)	0.14 1.00	LAA LAA	5 5	0	82	99	95	87	90
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.5	LAA LAA	5 5	0	83	99	96	87	99
7AEXP31130A B ATRAZINE 90DF (WG) C TOPNOTCH (3.2CS)	0.094 1.25 1.00	LAA LAA LAA	5 5 5	0	73	99	99	92	98
8AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	0	80	98	78	78	91
9AEXP31130A B DUAL II (7.8EC)	0.14 1.25	LAA LAA	5 5	0	92	93	93	83	95
10AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	0	92	98	91	86	96
11AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	5 5 5	0	92	99	99	87	98
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	0	75	99	90	82	99
13AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	0	83	99	99	88	99
14A DUAL II (7.8EC) B ATRAZINE 90DF (WG)	2.00 2.00	LAA LAA	5 5	0	92	99	99	80	99
15AEBICEP II	4.13	LAA	5	0	90	99	99	78	99
16AEXP31130A	0.094	LAA	9	0	85	98	99	92	96
17AEXP31130A	0.118	LAA	9	0	80	98	98	91	99
18AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.00	LAA LAA	9 9	0	80	99	95	85	99
19AEXP31130A B TOPNOTCH (3.2CS)	0.118 1.00	LAA LAA	9 9	0	85	99	98	90	99
20AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.5	LAA LAA	9 9	0	85	99	99	91	99
21AEXP31130A B ATRAZINE 90DF (WG) C TOPNOTCH (3.2CS)	0.094 1.25 1.00	LAA LAA LAA	9 9 9	0	93	99	99	92	99
22AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	9 9	0	92	98	90	80	99
23AEXP31130A B DUAL II (7.8EC)	0.118 1.25	LAA LAA	9 9	0	93	99	99	83	98
24AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	9 9	0	95	96	98	87	99
25AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	9 9 9	0	93	99	99	88	99
26AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	9 9	0	85	98	99	90	99

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	CHEAL	AMACH	ABUTH	DATST	
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	
27AEXP31130A	0.094	LAA	9	0	87	99	99	98	99	
B ATRAZINE 90DF (WG)	2.00	LAA	9							
28A DUAL II (7.8EC)	2.00	LAA	9	0	93	99	99	92	99	
B ATRAZINE 90DF (WG)	2.00	LAA	9							
29AEBICEP II	4.13	LAA	9	0	92	99	99	90	99	
30AHAND WEDED	0.00	NA	0	0	99	99	99	99	99	
				LSD (0.05)	0.0	8.7	2.9	7.4	10.3	4.9
				STANDARD DEVIATION	0.0	21.5	17.8	18.4	17.4	17.8

TRT COMPOUND NUM TESTED	DOSAGE		TM	YIELD BU/A 10-21-96
	RATE	UNIT		
1AEXP31130A	0.094	LAA	5	61.5
2AEXP31130A	0.14	LAA	5	89.3
3AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.00	LAA LAA	5 5	81.5
4AEXP31130A B TOPNOTCH (3.2CS)	0.14 1.00	LAA LAA	5 5	112.7
5A UNTREATED CHECK	0.00	NA	0	58.9
6AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.5	LAA LAA	5 5	117.0
7AEXP31130A B ATRAZINE 90DF (WG) C TOPNOTCH (3.2CS)	0.094 1.25 1.00	LAA LAA LAA	5 5 5	80.9
8AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	104.0
9AEXP31130A B DUAL II (7.8EC)	0.14 1.25	LAA LAA	5 5	115.3
10AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	110.9
11AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	5 5 5	117.9
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	105.7
13AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	117.9
14A DUAL II (7.8EC) B ATRAZINE 90DF (WG)	2.00 2.00	LAA LAA	5 5	135.2
15AEBICEP II	4.13	LAA	5	123.0
16AEXP31130A	0.094	LAA	9	138.7
17AEXP31130A	0.118	LAA	9	140.9
18AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.00	LAA LAA	9 9	117.0
19AEXP31130A B TOPNOTCH (3.2CS)	0.118 1.00	LAA LAA	9 9	149.9
20AEXP31130A B TOPNOTCH (3.2CS)	0.094 1.5	LAA LAA	9 9	127.4
21AEXP31130A B ATRAZINE 90DF (WG) C TOPNOTCH (3.2CS)	0.094 1.25 1.00	LAA LAA LAA	9 9 9	119.6
22AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	9 9	137.8
23AEXP31130A B DUAL II (7.8EC)	0.118 1.25	LAA LAA	9 9	136.9
24AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	9 9	129.1
25AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	9 9 9	128.3
26AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	9 9	130.0

TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-21-96
	RATE	UNIT	TM	
27AEEXP31130A	0.094	LAA	9	114.9
B ATRAZINE 90DF (WG)	2.00	LAA	9	
28A DUAL II (7.8EC)	2.00	LAA	9	121.8
B ATRAZINE 90DF (WG)	2.00	LAA	9	
29AEBICEP II	4.13	LAA	9	130.9
30AEHAND WEDED	0.00	NA	0	151.7
		LSD (0.05)		51.3
		STANDARD DEVIATION		37.7

£ = SUPPLEMENTAL CHEMICAL

PREPLANT INCORPORATED HERBICIDES FOR WEED CONTROL IN CORN  
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	09	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-18-96	04-19-96	05-30-96	MDY
AIR TEMPERATURE	58	53	68	½F
% REL. HUMIDITY	50	90	50	
WIND DIRECTION	SOUTH	SOUTH	EAST	
WIND SPEED	8.0	3.0	5.0	M/H
SKY CONDITION	CLEAR	OVERCAST	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE	04-18-96			MDY
INC. START	09:00			24H
INC. END	09:30			24H
INC. DEPTH	2			IN
INC. EQUIPMENT	CULTFIELD			
DENSITY / STAGE / MIN MAX SIZE				
*** CROP ***				
CORN, DENT	HGH/NA	HGH/NA	HGH/12	
PIONEER 3335	****/****	****/****	4.00/5.00	IN
04-18-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	1.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	2.00/4.00	IN

\*\*\* CONTINUE

## APPLICATIONS

	DENSITY / STAGE / MIN MAX SIZE			
*** PEST *** FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/12 2.00/3.00	IN

## \* TIMING CODES

07 = PREPLANT INCORPORATED  
09 = PREEMERGENCE  
11 = EPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	AMACH	ABUTH	PHBPU	SETFA	
	RATE	UNIT	TM	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 07-03-96	
1A DUAL II (7.8EC)	2.25	LAA	7	91	0	27	0	0	89	
2A DUAL II (7.8EC)	2.5	LAA	7	94	0	33	0	0	93	
3AEDUAL II MAGNUM 915GL	1.41	LAA	7	91	0	23	0	0	90	
4AEDUAL II MAGNUM 915GL	1.56	LAA	7	95	0	37	0	0	93	
5AEFONTIER 6.0EC	1.29	LAA	7	90	0	50	27	0	86	
6A SURPASS (6.4EC)	1.8	LAA	7	88	0	77	57	0	84	
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
8AEXIOM	0.81	LAA	7	83	23	27	0	0	80	
9AEXIOM	0.98	LAA	7	87	37	37	0	0	87	
10A BICEP II (6SC)	4.05	LAA	7	89	92	99	85	72	88	
11A SURPASS 100 (5SC)	3.43	LAA	7	83	75	87	77	63	78	
12AEGUARDSMAN	2.81	LAA	7	90	83	93	87	70	85	
13A EXTRAZINE II DF (90WG)	4.5	LAA	7	83	92	95	94	80	72	
14AEHARNES EXTRA 5.6	3.5	LAA	7	91	91	99	96	85	83	
15AEXIOM B ATRAZINE 90DF (WG)	0.81 1.8	LAA LAA	7 7	95	89	99	99	86	91	
16AEXIOM B BROADSTRIKE PLUS CORN PRE/PPI	0.81 0.26	LAA LAA	7 7	82	80	83	85	40	73	
17A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	83	93	95	87	68	84	
18A BROADSTRIKE + DUAL (7.67SC) B ATRAZINE 90DF (WG)	2.4 1.25	LAA LAA	7 7	90	98	99	99	87	86	
19AEDOUBLEPLAY B ATRAZINE 90DF (WG)	4.38 1.6	LAA LAA	7 7	94	93	99	91	87	90	
20AEFONTIER 6.0EC B MARKSMAN (3.2SC)	1.29 1.4	LAA LAA	7 11	96	99	99	99	99	92	
21AEFONTIER 6.0EC B CLARITY (4SL) C FERTILIZER - 28%UAN	1.29 0.5 2.5	LAA LAA PMV	7 11 11	88	99	99	99	92	83	
22A DUAL II (7.8EC) BEECEED CECOC	2.25 0.036 1.00	LAA LAA PMV	7 11 11	94	99	99	99	92	92	
23AECY-PRO 4L	4.5	LAA	9	80	96	96	96	85	72	
24AECY-PRO 90DF	4.5	LAA	9	88	96	99	99	87	78	
25AEGX413 4L	4.5	LAA	9	79	87	99	87	68	72	
26AEGX414 90DF	4.5	LAA	9	73	92	83	91	78	73	
				LSD (0.05) STANDARD DEVIATION	7.3 18.2	6.2 41.5	7.2 31.8	7.5 41.5	8.5 39.3	9.0 18.1



WEED CONTROL SYSTEMS IN CONVENTIONAL CORN I  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 36 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
<b>TIMINGS</b>	09	11	12	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	04-19-96	05-30-96	06-07-96	MDY
<b>AIR TEMPERATURE</b>	52	68	65	½F
<b>% REL. HUMIDITY</b>	95	50	80	
<b>WIND DIRECTION</b>	SOUTH	EAST	WEST	
<b>WIND SPEED</b>	3.0	5.0	5.0	M/H
<b>SKY CONDITION</b>	OVERCAST	CLEAR	CLOUDY	
<b>LEAF MOISTURE</b>	DRY	DRY	MOIST	
<b>ROOT MOISTURE</b>	MOIST	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	
<b>PRESSURE</b>	42.00	42.00	42.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
<b>*** CROP ***</b>				
CORN, DENT	HGH/NA	HGH/12	HGH/14	
PIONEER 3335	****/****	4.00/5.00	8.00/10.0	IN
04-18-96				
<b>*** PEST ***</b>				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/15	
	****/****	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/4.00	4.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN

## \* TIMING CODES

09 = PREEMERGENCE  
11 = EPOST  
12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	POLPY	ABUTH	CHEAL	ZEAMD
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-28-96
1A BICEP II (6SC)	4.05	LAA	9	3	98	99	92	99	0
2A EARNER EXTRA 5.6	3.5	LAA	9	2	99	99	93	99	2
3A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	98	96	95	99	5
4A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	98	98	96	99	2
B ATRAZINE 90DF (WG)	1.25	LAA	9						
5A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	2	98	99	96	99	2
B DUAL II (7.8EC)	2.25	LAA	9						
6A SURPASS (6.4EC)	1.8	LAA	9	5	98	98	98	99	2
B EBUCTRIL+ATRAZ.	0.75	LAA	11						
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A FRONTIER 6.0EC	1.29	LAA	9	7	99	93	88	99	0
B MARKSMAN (3.2SC)	1.4	LAA	11						
9A FRONTIER 6.0EC	1.29	LAA	9	3	99	90	93	98	3
B CLARITY (4SL)	0.5	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
10A FRONTIER 6.0EC	1.29	LAA	9	3	99	85	87	99	0
B ESAN1269H 70WG	0.35	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
11A FRONTIER 6.0EC	1.29	LAA	9	5	98	80	85	96	2
B ESAN1269H 70WG	0.263	LAA	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
12A FRONTIER 6.0EC	1.29	LAA	9	3	98	88	92	99	0
B ETOUGH 5EC	0.47	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
13A FRONTIER 6.0EC	1.29	LAA	9	7	99	95	98	96	3
B ETOUGH 5EC	0.7	LAA	11						
C ATRAZINE 90DF (WG)	1.00	LAA	11						
D ECOC	1.00	PMV	11						
14A DUAL II (7.8EC)	2.19	LAA	9	0	99	91	92	98	0
B BROADSTRIKE PLUS	0.09	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
15A DUAL II (7.8EC)	2.19	LAA	9	2	99	88	88	88	2
B ESCORPION III 84.3WG	0.21	LAA	11						
C ACTIVATE PLUS	0.5	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
16A DUAL II (7.8EC)	2.19	LAA	9	0	99	83	77	95	2
B EXCEED	0.036	LAA	11						
C ECOC	1.00	PMV	11						
17A DUAL II (7.8EC)	2.19	LAA	9	0	99	88	85	88	0
B EXCEED	0.036	LAA	11						
C BANVEL (4SL)	0.063	LAA	11						
D ACTIVATE PLUS	0.25	PMV	11						
18A DUAL II (7.8EC)	2.19	LAA	9	0	99	83	83	88	5
B EXCEED	0.036	LAA	11						
C BANVEL (4SL)	0.125	LAA	11						
D ACTIVATE PLUS	0.25	PMV	11						
19A DUAL II (7.8EC)	2.19	LAA	9	7	99	93	92	99	0
B EXCEED	0.036	LAA	11						
C BUCTRIL GEL (4EC)	0.125	LAA	11						
D ACTIVATE PLUS	0.25	PMV	11						
20A DUAL II (7.8EC)	2.19	LAA	9	2	99	92	98	99	2
B EXCEED	0.036	LAA	11						
C ACTION 4.75WP	0.0035	LAA	11						
D ECOC	1.00	PMV	11						

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	POLPY	ABUTH	CHEAL	ZEAMD
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-28-96
21A EAXIOM B BUCTRIL GEL (4EC)	0.81	LAA	9	7	95	99	95	99	8
	0.25	LAA	11						
22A EAXIOM B SENCOR DF (75WG) CE2,4-D LVE	0.81	LAA	9	10	99	96	99	99	10
	0.094	LAA	11						
	0.18	LAA	11						
23A SURPASS (6.4EC) B EMOXYNIL/ATR 3EC	1.8	LAA	9	7	99	98	99	99	2
	0.75	LAA	11						
24A EAXIOM B EMOXYNIL 2EC	0.81	LAA	9	7	96	98	99	99	3
	0.25	LAA	11						
25A HARNESS (7EC) B PERMIT (75WG) CECOC	1.8	LAA	9	2	93	91	96	89	2
	0.031	LAA	11						
	1.00	PMV	11						
26A EAXIOM B EXCEED CECOC	0.81	LAA	9	0	98	98	96	99	0
	0.036	LAA	11						
	1.00	PMV	11						
	LSD (0.05)			4.5	2.4	9.2	8.0	8.4	4.8
	STANDARD DEVIATION			3.6	18.9	19.2	19.0	19.6	3.4

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	POLPY	ABUTH	CHEAL
	RATE	UNIT		CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96
1A BICEP II (6SC)	4.05	LAA	9	93	99	83	99
2AEHARNESS EXTRA 5.6	3.5	LAA	9	90	99	85	99
3A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	95	95	98	99
4A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	93	99	96	99
B ATRAZINE 90DF (WG)	1.25	LAA	9				
5A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	88	99	96	99
B DUAL II (7.8EC)	2.25	LAA	9				
6A SURPASS (6.4EC)	1.8	LAA	9	93	99	92	99
B EBUCTRIL+ATRAZ.	0.75	LAA	11				
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0
8AEFRONTIER 6.0EC	1.29	LAA	9	96	99	95	99
B MARKSMAN (3.2SC)	1.4	LAA	11				
9AEFRONTIER 6.0EC	1.29	LAA	9	93	99	95	99
B CLARITY (4SL)	0.5	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
10AEFRONTIER 6.0EC	1.29	LAA	9	96	98	95	99
B ESAN1269H 70WG	0.35	LAA	11				
C DEACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
11AEFRONTIER 6.0EC	1.29	LAA	9	96	99	96	99
B ESAN1269H 70WG	0.263	LAA	12				
C DEACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
12AEFRONTIER 6.0EC	1.29	LAA	9	90	98	93	99
B ETOUGH 5EC	0.47	LAA	11				
C BANVEL (4SL)	0.25	LAA	11				
13AEFRONTIER 6.0EC	1.29	LAA	9	96	98	96	99
B ETOUGH 5EC	0.7	LAA	11				
C ATRAZINE 90DF (WG)	1.00	LAA	11				
D ECOC	1.00	PMV	11				
14A DUAL II (7.8EC)	2.19	LAA	9	90	98	96	96
B EBROADSTRIKE PLUS	0.09	LAA	11				
C DEACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
15A DUAL II (7.8EC)	2.19	LAA	9	90	98	98	99
B ESCORPION III 84.3WG	0.21	LAA	11				
C DEACTIVATE PLUS	0.5	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
16A DUAL II (7.8EC)	2.19	LAA	9	95	98	95	98
B EXCEED	0.036	LAA	11				
C ECOC	1.00	PMV	11				
17A DUAL II (7.8EC)	2.19	LAA	9	93	99	96	99
B EXCEED	0.036	LAA	11				
C BANVEL (4SL)	0.063	LAA	11				
D DEACTIVATE PLUS	0.25	PMV	11				
18A DUAL II (7.8EC)	2.19	LAA	9	92	99	95	99
B EXCEED	0.036	LAA	11				
C BANVEL (4SL)	0.125	LAA	11				
D DEACTIVATE PLUS	0.25	PMV	11				
19A DUAL II (7.8EC)	2.19	LAA	9	95	98	95	99
B EXCEED	0.036	LAA	11				
C BUCTRIL GEL (4EC)	0.125	LAA	11				
D DEACTIVATE PLUS	0.25	PMV	11				
20A DUAL II (7.8EC)	2.19	LAA	9	93	99	95	99
B EXCEED	0.036	LAA	11				
C ACTION 4.75WP	0.0035	LAA	11				
D ECOC	1.00	PMV	11				

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	ABUTH	CHEAL	
	RATE	UNIT	TM	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	
21A EAXIOM	0.81	LAA	9	88	96	90	99	
B BUCTRIL GEL (4EC)	0.25	LAA	11					
22A EAXIOM	0.81	LAA	9	93	98	96	99	
B SENCOR DF (75WG)	0.094	LAA	11					
CE2,4-D LVE	0.18	LAA	11					
23A SURPASS (6.4EC)	1.8	LAA	9	92	99	96	99	
B EMOXYNIL/ATR 3EC	0.75	LAA	11					
24A EAXIOM	0.81	LAA	9	90	96	95	99	
B EMOXYNIL 2EC	0.25	LAA	11					
25A HARNESS (7EC)	1.8	LAA	9	85	98	95	90	
B PERMIT (75WG)	0.031	LAA	11					
CECOC	1.00	PMV	11					
26A EAXIOM	0.81	LAA	9	92	99	96	99	
B EEXCEED	0.036	LAA	11					
CECOC	1.00	PMV	11					
				LSD (0.05)	4.5	3.5	5.4	3.2
				STANDARD DEVIATION	18.2	19.0	18.7	19.1

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN CONVENTIONAL CORN II  
APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 36 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-19-96	05-17-96	05-30-96	MDY
AIR TEMPERATURE	52	80	67	1/2 F
% REL. HUMIDITY	95	80	50	
WIND DIRECTION	SOUTH	SOUTH	EAST	
WIND SPEED	3.0	5.0	5.0	M/H
SKY CONDITION	OVERCAST	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT PIONEER 3335 04-18-96	HGH/NA ****/****	HGH/11 2.00/3.00	HGH/13 4.00/5.00	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/12 2.00/2.00	IN
PIGWEEED, SMOOTH	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/14 1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/12 1.00/1.00	HGH/14 1.00/2.00	IN
JIMSONWEED	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/13 2.00/2.00	IN
SMARTWEED, PENNS	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/14 1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/12 2.00/3.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
10 = VEPOST  
11 = EPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	DATST	POLPY	ABUTH	AMACH
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96
1A BICEP II (6SC)	4.05	LAA	9	0	90	99	95	88	98
2A E HARNESS EXTRA 5.6	3.5	LAA	9	0	85	99	95	88	99
3A HARNESS (7EC)	1.8	LAA	9	2	87	98	92	88	99
B PERMIT (75WG)	0.031	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
4A HARNESS (7EC)	1.8	LAA	9	0	88	99	90	93	98
B PERMIT (75WG)	0.031	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	4.00	PMV	11						
5A E FRONTIER 6.0EC	1.29	LAA	9	0	92	99	83	87	99
B CLARITY (4SL)	0.5	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A E FRONTIER 6.0EC	1.29	LAA	9	2	96	99	95	95	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
8A DUAL II (7.8EC)	2.19	LAA	9	5	96	99	94	96	99
B ELADDOK S12	1.04	LAA	11						
C ECOC	1.00	PMV	11						
9A DUAL II (7.8EC)	2.19	LAA	9	8	87	99	90	90	99
B BUCTRIL GEL (4EC)	0.25	LAA	11						
10A DUAL II (7.8EC)	2.19	LAA	9	10	95	99	95	96	99
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
11A DUAL II (7.8EC)	2.19	LAA	9	0	95	93	87	92	94
B ESCORPION III 84.3WG	0.21	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
12A DUAL II (7.8EC)	2.19	LAA	9	0	95	99	83	88	98
B EXCEED	0.036	LAA	11						
C ECOC	1.00	PMV	11						
13A HARNESS (7EC)	1.8	LAA	9	0	87	99	88	87	99
B PERMIT (75WG)	0.031	LAA	11						
C E2,4-D LVE	0.12	LAA	11						
D DEACTIVATE PLUS	0.25	PMV	11						
14A HARNESS (7EC)	1.8	LAA	9	2	90	99	93	80	99
B PERMIT (75WG)	0.031	LAA	11						
C CLARITY (4SL)	0.063	LAA	11						
D DEACTIVATE PLUS	0.25	PMV	11						
15A HARNESS (7EC)	1.8	LAA	9	2	87	99	87	82	99
B PERMIT (75WG)	0.031	LAA	11						
C CLARITY (4SL)	0.125	LAA	11						
D DEACTIVATE PLUS	0.25	PMV	11						
16A HARNESS (7EC)	1.8	LAA	9	7	96	99	95	90	99
B PERMIT (75WG)	0.031	LAA	11						
C ATRAZINE 90DF (WG)	1.00	LAA	11						
D ECOC	1.00	PMV	11						
17A HARNESS XTRA (6SC)	3.5	LAA	9	0	90	99	95	95	99
B PERMIT (75WG)	0.031	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
18A DUAL II (7.8EC)	2.19	LAA	9	10	95	99	85	99	99
B RESOURCE (0.86EC)	0.027	LAA	11						
C ATRAZINE 90DF (WG)	0.5	LAA	11						
D ECOC	1.00	PMV	11						
19A ACCENT (75WG)	0.031	LAA	11	0	67	99	73	92	78
B PERMIT (75WG)	0.031	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	4.00	PMV	11						

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAND	SETFA	DATST	POLPY	ABUTH	AMACH	
	RATE	UNIT		CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	
20A ACCENT (75WG)	0.031	LAA	11	10	83	99	73	83	96	
B BUCTRIL GEL (4EC)	0.25	LAA	11							
C DEACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	4.00	PMV	11							
21A ACCENT (75WG)	0.016	LAA	11	0	80	99	73	92	94	
B EXCEED	0.036	LAA	11							
C DEACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	4.00	PMV	11							
22A BASIS	0.016	LAA	10	0	87	99	96	93	99	
B CLARITY (4SL)	0.25	LAA	10							
C DEACTIVATE PLUS	0.25	PMV	10							
D FERTILIZER - 28%UAN	4.00	PMV	10							
E ECULTIVATE 14-21 DAT	0.00	NA	0							
23A HARNESS (7EC)	0.9	LAA	10	0	92	98	99	93	98	
B PERMIT (75WG)	0.031	LAA	10							
C ACCENT (75WG)	0.016	LAA	10							
D DEACTIVATE PLUS	0.25	PMV	10							
E FERTILIZER - 28%UAN	4.00	PMV	10							
24A DUAL II (7.8EC)	2.19	LAA	9	0	95	99	87	90	99	
B BEACON (75WG)	0.018	LAA	11							
C BANVEL (4SL)	0.25	LAA	11							
D DEACTIVATE PLUS	0.25	PMV	11							
				LSD (0.05)	2.9	8.9	3.9	7.3	6.2	4.6
				STANDARD DEVIATION	3.9	19.5	19.8	19.6	18.9	20.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	CHEAL	ZEAMD	SETFA	DATST	POLPY	ABUTH
	RATE	UNIT		CON % 06-07-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96
1A BICEP II (6SC)	4.05	LAA	9	99	2	85	99	95	90
2A HARNES EXTRA 5.6	3.5	LAA	9	99	2	75	99	95	85
3A HARNES (7EC)	1.8	LAA	9	98	2	80	99	90	92
B PERMIT (75WG)	0.031	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
4A HARNES (7EC)	1.8	LAA	9	99	0	87	99	92	95
B PERMIT (75WG)	0.031	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	4.00	PMV	11						
5A FRONTIER 6.0EC	1.29	LAA	9	98	2	92	99	96	95
B CLARITY (4SL)	0.5	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A FRONTIER 6.0EC	1.29	LAA	9	99	2	98	99	98	98
B MARKSMAN (3.2SC)	1.4	LAA	11						
8A DUAL II (7.8EC)	2.19	LAA	9	99	2	96	99	99	96
B ELADOK S12	1.04	LAA	11						
DECO	1.00	PMV	11						
9A DUAL II (7.8EC)	2.19	LAA	9	99	3	83	98	93	90
B BUCTRIL GEL (4EC)	0.25	LAA	11						
10A DUAL II (7.8EC)	2.19	LAA	9	99	2	95	99	99	95
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
11A DUAL II (7.8EC)	2.19	LAA	9	96	0	87	99	95	96
B ESCORPION III 84.3WG	0.21	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
12A DUAL II (7.8EC)	2.19	LAA	9	91	2	93	99	98	95
B EXCEED	0.036	LAA	11						
DECO	1.00	PMV	11						
13A HARNES (7EC)	1.8	LAA	9	99	0	78	99	92	93
B PERMIT (75WG)	0.031	LAA	11						
DE2,4-D LVE	0.12	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
14A HARNES (7EC)	1.8	LAA	9	99	3	78	96	96	93
B PERMIT (75WG)	0.031	LAA	11						
C CLARITY (4SL)	0.063	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
15A HARNES (7EC)	1.8	LAA	9	99	0	82	99	95	96
B PERMIT (75WG)	0.031	LAA	11						
C CLARITY (4SL)	0.125	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
16A HARNES (7EC)	1.8	LAA	9	99	0	92	99	99	95
B PERMIT (75WG)	0.031	LAA	11						
C ATRAZINE 90DF (WG)	1.00	LAA	11						
DECO	1.00	PMV	11						
17A HARNES XTRA (6SC)	3.5	LAA	9	99	0	83	99	96	96
B PERMIT (75WG)	0.031	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
18A DUAL II (7.8EC)	2.19	LAA	9	99	0	95	99	75	96
B RESOURCE (0.86EC)	0.027	LAA	11						
C ATRAZINE 90DF (WG)	0.5	LAA	11						
DECO	1.00	PMV	11						
19A ACCENT (75WG)	0.031	LAA	11	62	0	80	78	88	95
B PERMIT (75WG)	0.031	LAA	11						
DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	4.00	PMV	11						

TRT COMPOUND NUM TESTED	DOSAGE			CHEAL	ZEAMD	SETFA	DATST	POLPY	ABUTH
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96
20A ACCENT (75WG)	0.031	LAA	11	96	2	77	93	80	73
B BUCTRIL GEL (4EC)	0.25	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28XUAN	4.00	PMV	11						
21A ACCENT (75WG)	0.016	LAA	11	91	3	83	96	96	95
B EXCEED	0.036	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28XUAN	4.00	PMV	11						
22A EBASIS	0.016	LAA	10	99	0	82	96	95	92
B CLARITY (4SL)	0.25	LAA	10						
C DEACTIVATE PLUS	0.25	PMV	10						
D FERTILIZER - 28XUAN	4.00	PMV	10						
E ECULTIVATE 14-21 DAT	0.00	NA	0						
23A HARNESS (7EC)	0.9	LAA	10	99	0	82	98	96	93
B PERMIT (75WG)	0.031	LAA	10						
C ACCENT (75WG)	0.016	LAA	10						
D DEACTIVATE PLUS	0.25	PMV	10						
E FERTILIZER - 28XUAN	4.00	PMV	10						
24A DUAL II (7.8EC)	2.19	LAA	9	94	0	92	99	96	95
B BEACON (75WG)	0.018	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
D DEACTIVATE PLUS	0.25	PMV	11						
				LSD (0.05)	8.2	3.5	8.4	5.3	5.9
				STANDARD DEVIATION	21.1	2.2	19.0	20.1	19.4

TRT COMPOUND NUM TESTED	DOSAGE			AMACH	CHEAL
	RATE	UNIT	TM	CON % 06-28-96	CON % 06-28-96
1A BICEP II (6SC)	4.05	LAA	9	98	99
2A E HARNESS EXTRA 5.6	3.5	LAA	9	99	99
3A HARNESS (7EC)	1.8	LAA	9	99	99
B PERMIT (75WG)	0.031	LAA	11		
C DEACTIVATE PLUS	0.25	PMV	11		
4A HARNESS (7EC)	1.8	LAA	9	99	96
B PERMIT (75WG)	0.031	LAA	11		
C DEACTIVATE PLUS	0.25	PMV	11		
D FERTILIZER - 28%UAN	4.00	PMV	11		
5A E FRONTIER 6.0EC	1.29	LAA	9	99	99
B CLARITY (4SL)	0.5	LAA	11		
C FERTILIZER - 28%UAN	2.5	PMV	11		
6A UNTREATED CHECK	0.00	NA	0	0	0
7A E FRONTIER 6.0EC	1.29	LAA	9	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11		
8A DUAL II (7.8EC)	2.19	LAA	9	99	99
B ELADDOK S12	1.04	LAA	11		
C ECOC	1.00	PMV	11		
9A DUAL II (7.8EC)	2.19	LAA	9	96	98
B BUCTRIL GEL (4EC)	0.25	LAA	11		
10A DUAL II (7.8EC)	2.19	LAA	9	99	99
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11		
11A DUAL II (7.8EC)	2.19	LAA	9	94	99
B ESCORPION III 84.3WG	0.21	LAA	11		
C DEACTIVATE PLUS	0.25	PMV	11		
D FERTILIZER - 28%UAN	2.5	PMV	11		
12A DUAL II (7.8EC)	2.19	LAA	9	99	99
B EXCEED	0.036	LAA	11		
C ECOC	1.00	PMV	11		
13A HARNESS (7EC)	1.8	LAA	9	99	99
B PERMIT (75WG)	0.031	LAA	11		
C 2,4-D LVE	0.12	LAA	11		
D DEACTIVATE PLUS	0.25	PMV	11		
14A HARNESS (7EC)	1.8	LAA	9	89	99
B PERMIT (75WG)	0.031	LAA	11		
C CLARITY (4SL)	0.063	LAA	11		
D DEACTIVATE PLUS	0.25	PMV	11		
15A HARNESS (7EC)	1.8	LAA	9	99	99
B PERMIT (75WG)	0.031	LAA	11		
C CLARITY (4SL)	0.125	LAA	11		
D DEACTIVATE PLUS	0.25	PMV	11		
16A HARNESS (7EC)	1.8	LAA	9	99	99
B PERMIT (75WG)	0.031	LAA	11		
C ATRAZINE 90DF (WG)	1.00	LAA	11		
D ECOC	1.00	PMV	11		
17A HARNESS XTRA (6SC)	3.5	LAA	9	99	99
B PERMIT (75WG)	0.031	LAA	11		
C DEACTIVATE PLUS	0.25	PMV	11		
18A DUAL II (7.8EC)	2.19	LAA	9	99	99
B RESOURCE (0.86EC)	0.027	LAA	11		
C ATRAZINE 90DF (WG)	0.5	LAA	11		
D ECOC	1.00	PMV	11		
19A ACCENT (75WG)	0.031	LAA	11	95	63
B PERMIT (75WG)	0.031	LAA	11		
C DEACTIVATE PLUS	0.25	PMV	11		
D FERTILIZER - 28%UAN	4.00	PMV	11		

TRT COMPOUND NUM TESTED	DOSAGE			AMACH	CHEAL
	RATE	UNIT	TM	CON % 06-28-96	CON % 06-28-96
20A ACCENT (75WG)	0.031	LAA	11	98	95
B BUCTRIL GEL (4EC)	0.25	LAA	11		
C DEACTIVATE PLUS	0.25	PHV	11		
D FERTILIZER - 28%UAN	4.00	PHV	11		
21A ACCENT (75WG)	0.016	LAA	11	96	96
B EXCEED	0.036	LAA	11		
C DEACTIVATE PLUS	0.25	PHV	11		
D FERTILIZER - 28%UAN	4.00	PHV	11		
22A EBASIS	0.016	LAA	10	99	99
B CLARITY (4SL)	0.25	LAA	10		
C DEACTIVATE PLUS	0.25	PHV	10		
D FERTILIZER - 28%UAN	4.00	PHV	10		
E CULTIVATE 14-21 DAT	0.00	NA	0		
23A HARNESS (7EC)	0.9	LAA	10	98	98
B PERMIT (75WG)	0.031	LAA	10		
C ACCENT (75WG)	0.016	LAA	10		
D DEACTIVATE PLUS	0.25	PHV	10		
E FERTILIZER - 28%UAN	4.00	PHV	10		
24A DUAL II (7.8EC)	2.19	LAA	9	99	99
B BEACON (75WG)	0.018	LAA	11		
C BANVEL (4SL)	0.25	LAA	11		
D DEACTIVATE PLUS	0.25	PHV	11		
				LSD (0.05)	3.2
				6.6	20.7
				STANDARD DEVIATION	19.9

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF EXP31130A PREEMERGENCE IN CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	04-19-96	MDY
AIR TEMPERATURE	51	½F
% REL. HUMIDITY	90	
WIND DIRECTION	SOUTH	
WIND SPEED	3.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
PIONEER 3335	****/****	IN
04-18-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
JIMSONWEED	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

## \* TIMING CODES

09 = PREEMERGENCE

## \* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	ABUTH	DATST	
	RATE	UNIT		CON % 06-04-96	CON % 06-04-96	CON % 06-04-96	CON % 06-04-96	CON % 06-04-96	CON % 06-04-96	
1AEXP31130A	0.071	LAA	9	0	63	98	87	85	96	
2AEXP31130A	0.094	LAA	9	0	75	99	98	88	93	
3AEXP31130A	0.12	LAA	9	0	87	99	99	92	96	
4A DUAL II (7.8EC)	1.00	LAA	9	0	95	27	23	77	0	
5A DUAL II (7.8EC)	1.25	LAA	9	0	98	37	27	80	0	
6A DUAL II (7.8EC)	1.5	LAA	9	0	98	43	33	85	0	
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
8A ATRAZINE 90DF (WG)	1.00	LAA	9	0	90	99	99	90	99	
9A ATRAZINE 90DF (WG)	1.5	LAA	9	0	87	99	99	92	99	
10AEXP31130A	0.094	LAA	9	0	98	99	96	92	96	
B DUAL II (7.8EC)	1.00	LAA	9							
11AEXP31130A	0.094	LAA	9	0	92	99	99	93	98	
B DUAL II (7.8EC)	1.25	LAA	9							
12AEXP31130A	0.094	LAA	9	0	98	99	99	95	98	
B DUAL II (7.8EC)	1.5	LAA	9							
13AEXP31130A	0.094	LAA	9	0	85	99	99	92	99	
B ATRAZINE 90DF (WG)	1.00	LAA	9							
14AEXP31130A	0.094	LAA	9	0	92	99	99	95	98	
B ATRAZINE 90DF (WG)	1.5	LAA	9							
15AEXP31130A	0.094	LAA	9	0	96	99	99	93	99	
B DUAL II (7.8EC)	1.00	LAA	9							
C ATRAZINE 90DF (WG)	1.00	LAA	9							
16AEXP31130A	0.094	LAA	9	0	95	99	99	93	99	
B DUAL II (7.8EC)	1.00	LAA	9							
C ATRAZINE 90DF (WG)	1.5	LAA	9							
17AEXP31130A	0.094	LAA	9	0	95	99	99	93	99	
B DUAL II (7.8EC)	1.25	LAA	9							
C ATRAZINE 90DF (WG)	1.00	LAA	9							
18AEXP31130A	0.094	LAA	9	0	98	99	99	95	99	
B DUAL II (7.8EC)	1.25	LAA	9							
C ATRAZINE 90DF (WG)	1.5	LAA	9							
19AEXP31130A	0.094	LAA	9	0	96	99	99	93	98	
B DUAL II (7.8EC)	1.5	LAA	9							
C ATRAZINE 90DF (WG)	1.00	LAA	9							
20AEXP31130A	0.094	LAA	9	0	96	99	99	95	99	
B DUAL II (7.8EC)	1.5	LAA	9							
C ATRAZINE 90DF (WG)	1.5	LAA	9							
21AEXP31130A	0.094	LAA	9	0	92	99	96	90	99	
B SURPASS (6.4EC)	1.00	LAA	9							
22AEXP31130A	0.094	LAA	9	0	90	99	98	88	94	
B SURPASS (6.4EC)	1.2	LAA	9							
23AEBICEP II	4.00	LAA	9	0	98	99	99	93	98	
24A£HAND WEDED	0.00	NA	0	0	99	99	99	99	99	
				LSD (0.05)	0.0	7.9	4.6	4.7	6.5	5.5
				STANDARD DEVIATION	0.0	20.4	27.9	29.4	19.1	36.5





TRT COMPOUND NUM TESTED	DOSAGE		TM	YIELD BU/A 10-07-96
	RATE	UNIT		
1A£EXP31130A	0.071	LAA	9	164.7
2A£EXP31130A	0.094	LAA	9	156.3
3A£EXP31130A	0.12	LAA	9	167.4
4A DUAL II (7.8EC)	1.00	LAA	9	165.3
5A DUAL II (7.8EC)	1.25	LAA	9	138.2
6A DUAL II (7.8EC)	1.5	LAA	9	172.0
7A UNTREATED CHECK	0.00	NA	0	117.6
8A ATRAZINE 90DF (WG)	1.00	LAA	9	168.7
9A ATRAZINE 90DF (WG)	1.5	LAA	9	168.3
10A£EXP31130A	0.094	LAA	9	181.5
B DUAL II (7.8EC)	1.00	LAA	9	
11A£EXP31130A	0.094	LAA	9	159.8
B DUAL II (7.8EC)	1.25	LAA	9	
12A£EXP31130A	0.094	LAA	9	172.9
B DUAL II (7.8EC)	1.5	LAA	9	
13A£EXP31130A	0.094	LAA	9	166.9
B ATRAZINE 90DF (WG)	1.00	LAA	9	
14A£EXP31130A	0.094	LAA	9	174.5
B ATRAZINE 90DF (WG)	1.5	LAA	9	
15A£EXP31130A	0.094	LAA	9	190.5
B DUAL II (7.8EC)	1.00	LAA	9	
C ATRAZINE 90DF (WG)	1.00	LAA	9	
16A£EXP31130A	0.094	LAA	9	198.0
B DUAL II (7.8EC)	1.00	LAA	9	
C ATRAZINE 90DF (WG)	1.5	LAA	9	
17A£EXP31130A	0.094	LAA	9	173.9
B DUAL II (7.8EC)	1.25	LAA	9	
C ATRAZINE 90DF (WG)	1.00	LAA	9	
18A£EXP31130A	0.094	LAA	9	176.6
B DUAL II (7.8EC)	1.25	LAA	9	
C ATRAZINE 90DF (WG)	1.5	LAA	9	
19A£EXP31130A	0.094	LAA	9	197.6
B DUAL II (7.8EC)	1.5	LAA	9	
C ATRAZINE 90DF (WG)	1.00	LAA	9	
20A£EXP31130A	0.094	LAA	9	202.6
B DUAL II (7.8EC)	1.5	LAA	9	
C ATRAZINE 90DF (WG)	1.5	LAA	9	
21A£EXP31130A	0.094	LAA	9	185.3
B SURPASS (6.4EC)	1.00	LAA	9	
22A£EXP31130A	0.094	LAA	9	167.2
B SURPASS (6.4EC)	1.2	LAA	9	
23A£BICEP II	4.00	LAA	9	161.5
24A£HAND WEDED	0.00	NA	0	166.0
		LSD (0.05)		27.9
		STANDARD DEVIATION		23.0

£ = SUPPLEMENTAL CHEMICAL

TOTAL POSTEMERGENCE WEED CONTROL IN CORN APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-24-96	05-17-96	05-30-96	06-07-96	MDY
AIR TEMPERATURE	62	80	66	67	1/2 F
% REL.HUMIDITY	60	80	50	80	
WIND DIRECTION	SOUTH	SOUTH	EAST	NORTHWEST	
WIND SPEED	12.0	5.0	5.0	5.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP *** CORN, DENT PIONEER 3335 04-18-96	HGH/NA ****/****	HGH/11 2.00/3.00	HGH/12 4.00/5.00	HGH/14 8.00/8.00	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/12 1.00/2.00	HGH/14 2.00/4.00	IN
RAGWEED, COMMON	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/12 1.00/2.00	HGH/14 2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/12 1.00/1.00	HGH/14 1.00/2.00	HGH/16 2.00/3.00	IN
SMARTWEED, PENNS	HGH/NA ****/****	HGH/12 1.00/2.00	HGH/14 2.00/4.00	HGH/16 3.00/5.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/12 2.00/3.00	HGH/13 3.00/5.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 10 = VEPOST  
 11 = EPOST  
 12 = POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD 10DAT	AMBEL 10DAT	SETFA 10DAT	POLPY 10DAT	ABUTH 10DAT	CHEAL 10DAT
	RATE	UNIT	TM						
1AEBASIS	0.016	LAA	10	7	99	90	99	91	99
B CLARITY (4SL)	0.125	LAA	10						
C EACTIVATE PLUS	0.25	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
E ECULTIVATE 14DAT	0.00	NA	0						
2AEBASIS	0.016	LAA	10	8	99	93	99	99	99
B ATRAZINE 90DF (WG)	0.75	LAA	10						
C ECOC	1.00	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
E ECULTIVATE 14DAT	0.00	NA	0						
3AEDPX-79406 75DF	0.023	LAA	11	5	99	95	99	96	99
B ATRAZINE 90DF (WG)	0.75	LAA	11						
C ECOC	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
4A EXTRAZINE 11 DF (90WG)	2.00	LAA	9	10	99	99	99	99	99
B ACCENT (75WG)	0.031	LAA	12						
C ATRAZINE 90DF (WG)	0.5	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ACCENT (75WG)	0.016	LAA	11	7	98	95	99	98	99
B EXCEED	0.036	LAA	11						
C EACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
7A ACCENT (75WG)	0.031	LAA	12	2	90	78	80	80	80
B EXCEED	0.018	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
8A PROWL 3.3EC	1.5	LAA	11	2	99	96	96	98	99
B ACCENT (75WG)	0.016	LAA	11						
C EXCEED	0.036	LAA	11						
D EACTIVATE PLUS	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
9A ACCENT (75WG)	0.031	LAA	12	0	86	82	82	70	90
B BUCTRIL GEL (4EC)	0.25	LAA	12						
C EACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
10A ACCENT (75WG)	0.031	LAA	12	3	96	75	82	67	99
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12						
C EACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
11A ACCENT (75WG)	0.031	LAA	12	7	85	77	82	83	99
B EMOXYNIL 2EC	0.25	LAA	12						
C EACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
12A ACCENT (75WG)	0.031	LAA	12	7	95	73	88	83	99
B EMOXYNIL/ATR 3EC	0.75	LAA	12						
C EACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
13A PROWL 3.3EC	1.5	LAA	11	5	99	96	96	96	99
B ACCENT (75WG)	0.016	LAA	11						
C BUCTRIL GEL (4EC)	0.25	LAA	11						
D EACTIVATE PLUS	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
14A PROWL 3.3EC	1.5	LAA	11	5	96	96	99	95	99
B ACCENT (75WG)	0.016	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
D EACTIVATE PLUS	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
15A ACCENT (75WG)	0.031	LAA	12	18	98	80	93	96	99
B RESOURCE (0.86EC)	0.027	LAA	12						
C ATRAZINE 90DF (WG)	0.5	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE		ZEAMD	AMBEL	SETFA	POLPY	ABUTH	CHEAL
	RATE	UNIT TM	10DAT	10DAT	10DAT	10DAT	10DAT	10DAT
16A ACCENT (75WG)	0.031	LAA 12	15	80	72	73	85	96
BESCORPION III 84.3WG	0.21	LAA 12						
CEACTIVATE PLUS	0.25	PMV 12						
D FERTILIZER - 28%UAN	2.5	PMV 12						
		LSD (0.05)	8.3	12.5	9.0	8.1	11.5	8.7
		STANDARD DEVIATION	6.8	24.5	23.3	24.0	24.4	24.3

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD 30DAT	AMBEL 30DAT	SETFA 30DAT	POLPY 30DAT	ABUTH 30DAT	CHEAL 30DAT
	RATE	UNIT	TM						
1AEBASIS	0.016	LAA	10	2	99	75	98	93	98
B CLARITY (4SL)	0.125	LAA	10						
CÉACTIVATE PLUS	0.25	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
EÉCULTIVATE 14DAT	0.00	NA	0						
2AEBASIS	0.016	LAA	10	2	99	87	99	99	99
B ATRAZINE 90DF (WG)	0.75	LAA	10						
CÉCOC	1.00	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
EÉCULTIVATE 14DAT	0.00	NA	0						
3AEDPX-79406 75DF	0.023	LAA	11	0	98	92	99	96	99
B ATRAZINE 90DF (WG)	0.75	LAA	11						
CÉCOC	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
4A EXTRAZINE II DF (90WG)	2.00	LAA	9	0	99	93	99	98	99
B ACCENT (75WG)	0.031	LAA	12						
C ATRAZINE 90DF (WG)	0.5	LAA	12						
DÉCOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ACCENT (75WG)	0.016	LAA	11	2	99	90	99	99	99
BÉEXCEED	0.036	LAA	11						
CÉACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
7A ACCENT (75WG)	0.031	LAA	12	3	96	95	92	96	85
BÉEXCEED	0.018	LAA	12						
CÉCOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
8A PROWL 3.3EC	1.5	LAA	11	2	99	95	99	96	99
B ACCENT (75WG)	0.016	LAA	11						
CÉEXCEED	0.036	LAA	11						
DÉACTIVATE PLUS	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
9A ACCENT (75WG)	0.031	LAA	12	5	91	95	85	73	82
B BUCTRIL GEL (4EC)	0.25	LAA	12						
CÉACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
10A ACCENT (75WG)	0.031	LAA	12	5	99	95	85	80	96
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12						
CÉACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
11A ACCENT (75WG)	0.031	LAA	12	0	85	95	87	85	95
BÉMOXYNIL 2EC	0.25	LAA	12						
CÉACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
12A ACCENT (75WG)	0.031	LAA	12	0	94	95	90	93	99
BÉMOXYNIL/ATR 3EC	0.75	LAA	12						
CÉACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
13A PROWL 3.3EC	1.5	LAA	11	7	99	92	99	96	99
B ACCENT (75WG)	0.016	LAA	11						
C BUCTRIL GEL (4EC)	0.25	LAA	11						
DÉACTIVATE PLUS	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
14A PROWL 3.3EC	1.5	LAA	11	2	99	92	99	95	99
B ACCENT (75WG)	0.016	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
DÉACTIVATE PLUS	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
15A ACCENT (75WG)	0.031	LAA	12	5	99	90	93	96	99
B RESOURCE (0.86EC)	0.027	LAA	12						
C ATRAZINE 90DF (WG)	0.5	LAA	12						
DÉCOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE		ZEAMD 30DAT	AMBEL 30DAT	SETFA 30DAT	POLPY 30DAT	ABUTH 30DAT	CHEAL 30DAT
	RATE	UNIT TM						
16A ACCENT (75WG)	0.031	LAA 12	5	93	95	85	99	98
BESCORPION III 84.3WG	0.21	LAA 12						
CEACTIVATE PLUS	0.25	PMV 12						
D FERTILIZER - 28XUAN	2.5	PMV 12						
	LSD (0.05)		4.5	6.2	4.8	9.9	6.5	6.7
	STANDARD DEVIATION		3.1	23.9	22.8	24.0	23.8	24.1

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN POAST COMPATIBLE CORN I APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-17-96	05-21-96	05-30-96	06-14-96	MDY
AIR TEMPERATURE	71	74	67	84	°F
% REL.HUMIDITY	33	60	55	70	
WIND DIRECTION	SOUTHWEST	NORTH	EAST	WEST	
WIND SPEED	12.0	3.0	5.0	2.0	M/H
SKY CONDITION	CLEAR	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP *** CORN, DENT DEKALB 592SR 04-17-96	HGH/NA ****/****	HGH/11 3.00/3.00	HGH/12 4.00/5.00	HGH/15 14.0/16.0	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/11 1.00/1.00	HGH/12 1.00/2.00	HGH/NA ****/****	IN
PIGWEEED, SMOOTH	HGH/NA ****/****	HGH/11 0.50/0.50	HGH/13 1.00/2.00	HGH/NA ****/****	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/13 1.00/1.00	HGH/14 1.00/2.00	HGH/NA ****/****	IN
JIMSONWEED	HGH/NA ****/****	HGH/10 1.00/1.00	HGH/12 2.00/2.00	HGH/NA ****/****	IN
SMARTWEED, PENNS	HGH/NA ****/****	HGH/12 2.00/2.00	HGH/14 3.00/5.00	HGH/00 ****/****	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/11 1.00/2.00	HGH/12 2.00/3.00	HGH/14 4.00/6.00	IN

\* TIMING CODES

09 = PREEMERGENCE



APPLICATIONS

\* TIMING CODES

10 = VEPOST  
11 = EPOST  
13 = LPOST

\* STAGE CODE

00 = DRY SEED (DORMANT)  
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	POLPY	CHEAL	ABUTH	AMACH
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96	CON % 06-07-96
1A EXTRAZINE II DF (90WG)	4.00	LAA	9	0	90	99	99	92	98
2A BICEP II (6SC)	3.54	LAA	9	0	97	98	99	83	99
3A SURPASS 100 (5SC)	3.25	LAA	9	2	98	96	99	88	99
4A EGUARDSMAN	2.81	LAA	9	2	98	94	99	87	99
5A DUAL II (7.8EC)	2.25	LAA	9	3	98	96	98	95	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
6A SURPASS (6.4EC)	1.8	LAA	9	5	99	96	99	94	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
7A FRONTIER 6.0EC	1.29	LAA	9	3	98	98	98	93	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
8A DUAL II (7.8EC)	2.25	LAA	9	0	97	96	96	92	98
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
9A HARNESS (7EC)	1.8	LAA	9	2	96	97	98	96	99
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
10A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	25	96	97	93	95	99
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
11A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	3	88	99	90	93	99
B ACCENT (75WG)	0.031	LAA	11						
C ECOC	1.00	PMV	11						
12A PERMIT	0.031	LAA	11	5	88	86	70	82	88
B CLARITY (4SL)	0.125	LAA	11						
C POAST (1.5EC)	0.188	LAA	11						
D ECOC	1.00	PMV	11						
13A PERMIT	0.031	LAA	11	0	82	77	80	85	90
B CLARITY (4SL)	0.125	LAA	11						
C ACCENT (75WG)	0.031	LAA	11						
D ECOC	1.00	PMV	11						
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
15A MARKSMAN (3.2SC)	1.4	LAA	11	7	98	98	99	95	99
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
16A MARKSMAN (3.2SC)	1.4	LAA	11	7	77	95	98	87	99
B ACCENT (75WG)	0.031	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
17A EXTRAZINE II DF (90WG)	4.00	LAA	9	0	98	98	99	95	99
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
18A EXTRAZINE II DF (90WG)	4.00	LAA	9	7	99	99	99	95	99
B ACCENT (75WG)	0.031	LAA	11						
C ECOC	1.00	PMV	11						
19A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	5	87	98	92	92	99
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
D POAST (1.5EC)	0.188	LAA	13						
E ECOC	1.00	PMV	13						
20A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	8	98	99	92	95	98
B POAST (1.5EC)	0.094	LAA	10						
C FRONTIER 6.0EC	0.94	LAA	10						
D ECOC	1.00	PMV	10						
21A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	2	95	99	99	93	96
B ACCENT (75WG)	0.016	LAA	10						
C FRONTIER 6.0EC	0.94	LAA	10						
D ECOC	1.00	PMV	10						



TRT COMPOUND NUM TESTED	DOSAGE			DATST	ZEAMD	SETFA	POLPY	CHEAL	ABUTH
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96
1A EXTRAZINE II DF (90WG)	4.00	LAA	9	99	0	75	99	99	83
2A BICEP II (6SC)	3.54	LAA	9	96	0	92	95	95	80
3A SURPASS 100 (5SC)	3.25	LAA	9	99	0	93	95	99	78
4AEGUARDSMAN	2.81	LAA	9	96	0	88	89	99	75
5A DUAL II (7.8EC)	2.25	LAA	9	99	2	96	99	99	95
B MARKSMAN (3.2SC)	1.4	LAA	11						
6A SURPASS (6.4EC)	1.8	LAA	9	99	5	93	99	99	96
B MARKSMAN (3.2SC)	1.4	LAA	11						
7AEFONTIER 6.0EC	1.29	LAA	9	99	2	98	98	99	93
B MARKSMAN (3.2SC)	1.4	LAA	11						
8A DUAL II (7.8EC)	2.25	LAA	9	90	2	95	90	88	88
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
9A HARNESS (7EC)	1.8	LAA	9	95	3	83	98	94	95
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
10A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	96	7	90	99	83	96
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
11A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	94	3	82	99	80	93
B ACCENT (75WG)	0.031	LAA	11						
C ECOC	1.00	PMV	11						
12AEPERMIT	0.031	LAA	11	93	2	92	98	99	95
B CLARITY (4SL)	0.125	LAA	11						
C POAST (1.5EC)	0.188	LAA	11						
D ECOC	1.00	PMV	11						
13AEPERMIT	0.031	LAA	11	99	0	80	99	99	95
B CLARITY (4SL)	0.125	LAA	11						
C ACCENT (75WG)	0.031	LAA	11						
D ECOC	1.00	PMV	11						
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
15A MARKSMAN (3.2SC)	1.4	LAA	11	99	5	93	98	99	96
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
16A MARKSMAN (3.2SC)	1.4	LAA	11	99	2	85	99	99	93
B ACCENT (75WG)	0.031	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
17A EXTRAZINE II DF (90WG)	4.00	LAA	9	98	0	88	98	99	87
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
18A EXTRAZINE II DF (90WG)	4.00	LAA	9	99	2	87	99	99	92
B ACCENT (75WG)	0.031	LAA	11						
C ECOC	1.00	PMV	11						
19A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	87	2	90	96	77	95
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
D POAST (1.5EC)	0.188	LAA	13						
E ECOC	1.00	PMV	13						
20A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	85	5	95	99	80	92
B POAST (1.5EC)	0.094	LAA	10						
C FRONTIER 6.0EC	0.94	LAA	10						
D ECOC	1.00	PMV	10						
21A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	95	3	88	98	95	96
B ACCENT (75WG)	0.016	LAA	10						
C FRONTIER 6.0EC	0.94	LAA	10						
D ECOC	1.00	PMV	10						

TRT COMPOUND NUM TESTED	DOSAGE		TM	DATST	ZEAMD	SETFA	POLPY	CHEAL	ABUTH
	RATE	UNIT		CON % 06-07-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96
22AÆFRONTIER 6.0EC	0.94	LAA	10	99	0	96	94	95	92
BELADDOK S12	1.04	LAA	10						
C POAST (1.5EC)	0.094	LAA	10						
DÆCOC	1.00	PMV	10						
23AÆFRONTIER 6.0EC	0.94	LAA	10	99	5	82	98	98	90
B CLARITY (4SL)	0.5	LAA	10						
C ACCENT (75WG)	0.016	LAA	10						
DÆACTIVATE PLUS	0.25	PMV	10						
24AÆHAND WEDED	0.00	NA	0	99	0	99	99	99	99
		LSD (0.05)		7.9	4.6	7.7	7.5	6.1	6.8
		STANDARD DEVIATION		20.2	3.1	19.3	19.9	20.4	19.5

TRT COMPOUND NUM TESTED	DOSAGE			AMACH CON % 06-29-96	DATST CON % 06-29-96	YIELD BU/A 10-07-96
	RATE	UNIT	TM			
1A EXTRAZINE II DF (90WG)	4.00	LAA	9	96	96	126.8
2A BICEP II (6SC)	3.54	LAA	9	98	88	157.0
3A SURPASS 100 (5SC)	3.25	LAA	9	98	98	173.8
4AEGUARDSMAN	2.81	LAA	9	96	91	142.8
5A DUAL II (7.8EC)	2.25	LAA	9	99	99	172.1
B MARKSMAN (3.2SC)	1.4	LAA	11			
6A SURPASS (6.4EC)	1.8	LAA	9	99	99	175.4
B MARKSMAN (3.2SC)	1.4	LAA	11			
7AÉFRONTIER 6.0EC	1.29	LAA	9	99	99	158.6
B MARKSMAN (3.2SC)	1.4	LAA	11			
8A DUAL II (7.8EC)	2.25	LAA	9	94	86	152.9
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9			
9A HARNESS (7EC)	1.8	LAA	9	99	96	164.9
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9			
10A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	96	96	177.5
B POAST (1.5EC)	0.188	LAA	11			
CÉCOC	1.00	PMV	11			
11A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	98	95	157.2
B ACCENT (75WG)	0.031	LAA	11			
CÉCOC	1.00	PMV	11			
12AÉPERMIT	0.031	LAA	11	99	93	139.1
B CLARITY (4SL)	0.125	LAA	11			
C POAST (1.5EC)	0.188	LAA	11			
DÉCOC	1.00	PMV	11			
13AÉPERMIT	0.031	LAA	11	99	98	159.4
B CLARITY (4SL)	0.125	LAA	11			
C ACCENT (75WG)	0.031	LAA	11			
DÉCOC	1.00	PMV	11			
14A UNTREATED CHECK	0.00	NA	0	0	0	82.9
15A MARKSMAN (3.2SC)	1.4	LAA	11	99	99	146.2
B POAST (1.5EC)	0.188	LAA	11			
CÉCOC	1.00	PMV	11			
16A MARKSMAN (3.2SC)	1.4	LAA	11	99	99	170.0
B ACCENT (75WG)	0.031	LAA	11			
CÉACTIVATE PLUS	0.25	PMV	11			
17A EXTRAZINE II DF (90WG)	4.00	LAA	9	98	98	171.7
B POAST (1.5EC)	0.188	LAA	11			
CÉCOC	1.00	PMV	11			
18A EXTRAZINE II DF (90WG)	4.00	LAA	9	99	99	163.6
B ACCENT (75WG)	0.031	LAA	11			
CÉCOC	1.00	PMV	11			
19A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	96	90	160.9
B POAST (1.5EC)	0.188	LAA	11			
CÉCOC	1.00	PMV	11			
D POAST (1.5EC)	0.188	LAA	13			
EÉCOC	1.00	PMV	13			
20A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	98	88	168.9
B POAST (1.5EC)	0.094	LAA	10			
CÉFRONTIER 6.0EC	0.94	LAA	10			
DÉCOC	1.00	PMV	10			
21A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	99	96	155.8
B ACCENT (75WG)	0.016	LAA	10			
CÉFRONTIER 6.0EC	0.94	LAA	10			
DÉCOC	1.00	PMV	10			

TRT COMPOUND NUM TESTED	DOSAGE			AMACH	DATST	YIELD
	RATE	UNIT	TM	CON % 06-29-96	CON % 06-29-96	BU/A 10-07-96
22A£FRONTIER 6.0EC	0.94	LAA	10	99	99	159.1
B£LADDOK S12	1.04	LAA	10			
C POAST (1.5EC)	0.094	LAA	10			
D£COC	1.00	PMV	10			
23A£FRONTIER 6.0EC	0.94	LAA	10	99	99	163.9
B CLARITY (4SL)	0.5	LAA	10			
C ACCENT (75WG)	0.016	LAA	10			
D£ACTIVATE PLUS	0.25	PMV	10			
24A£HAND WEDED	0.00	NA	0	99	99	170.2
				LSD (0.05) 4.1	8.9	33.7
				STANDARD DEVIATION 19.7	20.1	26.9

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 35 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
<b>TIMINGS</b>	09	11	12	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	04-17-96	05-30-96	06-07-96	MDY
<b>AIR TEMPERATURE</b>	71	56	67	1/2 F
<b>% REL.HUMIDITY</b>	33	60	80	
<b>WIND DIRECTION</b>	SOUTHWEST	EAST	WEST	
<b>WIND SPEED</b>	12.0	5.0	7.0	M/H
<b>SKY CONDITION</b>	CLEAR	CLOUDY	CLOUDY	
<b>LEAF MOISTURE</b>	DRY	DRY	MOIST	
<b>ROOT MOISTURE</b>	MOIST	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	
<b>PRESSURE</b>	32.00	32.00	32.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
<b>*** CROP ***</b>	HGH/NA	HGH/12	HGH/14	
CORN, DENT	****/****	4.00/5.00	8.00/10.0	IN
DEKALB 592SR				
04-17-96				
<b>*** PEST ***</b>	HGH/NA	HGH/12	HGH/14	
VELVETLEAF	****/****	1.00/2.00	3.00/3.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/13	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
RAGWEEED, COMMON	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/16	
	****/****	1.00/2.00	2.00/4.00	IN
SMARTWEEED, PENNS	HGH/NA	HGH/14	HGH/17	
	****/****	3.00/5.00	4.00/8.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/3.00	3.00/5.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST  
 12 = POST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	POLPY	AMACH	AMBEL	ABUTH
	RATE	UNIT	TH	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96
1A ATRAZINE 90DF (WG)	1.00	LAA	9	0	75	92	92	90	80
2A ATRAZINE 90DF (WG)	2.00	LAA	9	0	90	94	93	95	85
3A ATRAZINE 90DF (WG)	1.00	LAA	9	0	95	94	97	93	82
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
4A ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E ATRAZINE 90DF (WG)	0.5	LAA	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E ATRAZINE 90DF (WG)	1.00	LAA	12						
7A ATRAZINE 90DF (WG)	1.00	LAA	9	0	96	99	99	98	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E LADDOK S-12 (5SC)	1.04	LAA	12						
8A ATRAZINE 90DF (WG)	1.00	LAA	9	7	98	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E LADDOK S-12 (5SC)	1.04	LAA	12						
F ATRAZINE 90DF (WG)	0.5	LAA	12						
9A ATRAZINE 90DF (WG)	1.00	LAA	9	0	95	97	96	95	85
B ACCENT (75WG)	0.03	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
10A ATRAZINE 90DF (WG)	1.00	LAA	9	10	96	98	98	98	98
B ACCENT (75WG)	0.03	LAA	12						
C BUETRIL GEL (4EC)	0.25	LAA	12						
D DEACTIVATE PLUS	0.25	PMV	12						
11A SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	99
B LADDOK S-12 (5SC)	1.04	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
12A SURPASS (6.4EC)	1.25	LAA	9	10	99	99	98	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C LADDOK S-12 (5SC)	1.04	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A DUAL II (7.8EC)	2.00	LAA	9	0	99	99	99	96	99
B LADDOK S-12 (5SC)	1.04	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
14A DUAL II (7.8EC)	1.25	LAA	9	7	98	99	98	98	99
B POAST PLUS (1EC)	0.19	LAA	12						
C LADDOK S-12 (5SC)	1.04	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
15A MARKSMAN (3.2SC)	1.4	LAA	11	0	93	98	99	99	98
B ACCENT (75WG)	0.03	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
16A MARKSMAN (3.2SC)	1.4	LAA	11	0	96	99	99	99	96
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	POLPY	AMACH	AMBEL	ABUTH	
	RATE	UNIT	TM	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	
17A LADDOK S-12 (5SC)	1.04	LAA	11	0	98	99	99	98	98	
B ATRAZINE 90DF (WG)	0.5	LAA	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.19	LAA	12							
E ECOC	0.625	PMV	12							
F FERTILIZER - 28%UAN	2.5	PMV	12							
18A LADDOK S-12 (5SC)	1.04	LAA	11	0	96	99	98	98	99	
B ATRAZINE 90DF (WG)	0.5	LAA	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.19	LAA	12							
E ATRAZINE 90DF (WG)	0.5	LAA	12							
F ECOC	0.625	PMV	12							
G FERTILIZER - 28%UAN	2.5	PMV	12							
19A POAST PLUS (1EC)	0.06	LAA	11	0	99	99	99	99	99	
B E2,4-D LVE	0.25	LAA	11							
C ECOC	0.625	PMV	11							
D POAST PLUS (1EC)	0.12	LAA	12							
E LADDOK S12	1.04	LAA	12							
F ECOC	0.625	PMV	12							
G FERTILIZER - 28%UAN	2.5	PMV	12							
20A POAST PLUS (1EC)	0.06	LAA	11	7	99	99	99	99	99	
B E2,4-D LVE	0.25	LAA	11							
C ECOC	0.625	PMV	11							
D POAST PLUS (1EC)	0.19	LAA	12							
E LADDOK S12	1.04	LAA	12							
F ECOC	0.625	PMV	12							
G FERTILIZER - 28%UAN	2.5	PMV	12							
21A POAST PLUS (1EC)	0.19	LAA	12	10	87	96	93	94	93	
B LADDOK S12	1.04	LAA	12							
C ECOC	0.625	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
22A POAST PLUS (1EC)	0.19	LAA	12	13	95	99	99	98	99	
B LADDOK S12	0.75	LAA	12							
C ATRAZINE 90DF (WG)	0.75	LAA	12							
D ECOC	0.625	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
23A ACCENT (75WG)	0.03	LAA	12	13	83	96	96	97	92	
B EBUCTRIL+ATRAZ.	0.75	LAA	12							
C ATRAZINE 90DF (WG)	0.5	LAA	12							
D DEACTIVATE PLUS	0.25	PMV	12							
24A POAST PLUS (1EC)	0.22	LAA	12	17	90	95	96	96	95	
B LADDOK S12	1.21	LAA	12							
C ECOC	0.625	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
				LSD (0.05)	4.7	4.8	3.0	4.1	3.7	5.3
				STANDARD DEVIATION	5.9	19.9	19.7	19.7	19.7	20.1

TRT COMPOUND NUM TESTED	DOSAGE			CHEAL	ZEAMD	SETFA	POLPY	AMACH	AMBEL
	RATE	UNIT	TM	CON % 06-17-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96
1A ATRAZINE 900F (WG)	1.00	LAA	9	92	0	68	87	85	87
2A ATRAZINE 900F (WG)	2.00	LAA	9	95	0	82	93	93	94
3A ATRAZINE 900F (WG)	1.00	LAA	9	96	0	98	95	93	93
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
4A ATRAZINE 900F (WG)	1.00	LAA	9	99	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E ATRAZINE 900F (WG)	0.5	LAA	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ATRAZINE 900F (WG)	1.00	LAA	9	99	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E ATRAZINE 900F (WG)	1.00	LAA	12						
7A ATRAZINE 900F (WG)	1.00	LAA	9	99	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E LADDOK S-12 (5SC)	1.04	LAA	12						
8A ATRAZINE 900F (WG)	1.00	LAA	9	99	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
E LADDOK S-12 (5SC)	1.04	LAA	12						
F ATRAZINE 900F (WG)	0.5	LAA	12						
9A ATRAZINE 900F (WG)	1.00	LAA	9	93	0	98	99	99	99
B ACCENT (75WG)	0.03	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
10A ATRAZINE 900F (WG)	1.00	LAA	9	98	0	98	99	99	99
B ACCENT (75WG)	0.03	LAA	12						
C BUCTRIL GEL (4EC)	0.25	LAA	12						
D DEACTIVATE PLUS	0.25	PMV	12						
11A SURPASS (6.4EC)	2.00	LAA	9	99	0	99	99	99	99
B LADDOK S-12 (5SC)	1.04	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
12A SURPASS (6.4EC)	1.25	LAA	9	98	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C LADDOK S-12 (5SC)	1.04	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A DUAL II (7.8EC)	2.00	LAA	9	99	0	96	99	99	99
B LADDOK S-12 (5SC)	1.04	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
14A DUAL II (7.8EC)	1.25	LAA	9	99	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C LADDOK S-12 (5SC)	1.04	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
15A MARKSMAN (3.2SC)	1.4	LAA	11	99	0	99	99	99	99
B ACCENT (75WG)	0.03	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
16A MARKSMAN (3.2SC)	1.4	LAA	11	99	0	99	99	99	99
B POAST PLUS (1EC)	0.19	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						



TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL
	RATE	UNIT		CON % 07-01-96	CON % 07-01-96
1A ATRAZINE 90DF (WG)	1.00	LAA	9	73	87
2A ATRAZINE 90DF (WG)	2.00	LAA	9	82	96
3A ATRAZINE 90DF (WG)	1.00	LAA	9	80	95
B POAST PLUS (1EC)	0.19	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
4A ATRAZINE 90DF (WG)	1.00	LAA	9	98	99
B POAST PLUS (1EC)	0.19	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
E ATRAZINE 90DF (WG)	0.5	LAA	12		
5A UNTREATED CHECK	0.00	NA	0	0	0
6A ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
B POAST PLUS (1EC)	0.19	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
E ATRAZINE 90DF (WG)	1.00	LAA	12		
7A ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
B POAST PLUS (1EC)	0.19	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
E LADDOK S-12 (5SC)	1.04	LAA	12		
8A ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
B POAST PLUS (1EC)	0.19	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
E LADDOK S-12 (5SC)	1.04	LAA	12		
F ATRAZINE 90DF (WG)	0.5	LAA	12		
9A ATRAZINE 90DF (WG)	1.00	LAA	9	92	99
B ACCENT (75WG)	0.03	LAA	12		
C ECOC	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
10A ATRAZINE 90DF (WG)	1.00	LAA	9	98	99
B ACCENT (75WG)	0.03	LAA	12		
C BUCTRIL GEL (4EC)	0.25	LAA	12		
D DEACTIVATE PLUS	0.25	PMV	12		
11A SURPASS (6.4EC)	2.00	LAA	9	99	99
B LADDOK S-12 (5SC)	1.04	LAA	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
12A SURPASS (6.4EC)	1.25	LAA	9	99	99
B POAST PLUS (1EC)	0.19	LAA	12		
C LADDOK S-12 (5SC)	1.04	LAA	12		
D ECOC	0.625	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
13A DUAL II (7.8EC)	2.00	LAA	9	98	99
B LADDOK S-12 (5SC)	1.04	LAA	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
14A DUAL II (7.8EC)	1.25	LAA	9	99	99
B POAST PLUS (1EC)	0.19	LAA	12		
C LADDOK S-12 (5SC)	1.04	LAA	12		
D ECOC	0.625	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
15A MARKSMAN (3.2SC)	1.4	LAA	11	98	99
B ACCENT (75WG)	0.03	LAA	12		
C ECOC	1.00	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
16A MARKSMAN (3.2SC)	1.4	LAA	11	98	99
B POAST PLUS (1EC)	0.19	LAA	12		
C ECOC	1.00	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL
	RATE	UNIT		CON % 07-01-96	CON % 07-01-96
17A LADDOK S-12 (5SC)	1.04	LAA	11	99	99
B ATRAZINE 90DF (WG)	0.5	LAA	11		
C FERTILIZER - 28%UAN	2.5	PMV	11		
D POAST PLUS (1EC)	0.19	LAA	12		
E ECOC	0.625	PMV	12		
F FERTILIZER - 28%UAN	2.5	PMV	12		
18A LADDOK S-12 (5SC)	1.04	LAA	11	99	99
B ATRAZINE 90DF (WG)	0.5	LAA	11		
C FERTILIZER - 28%UAN	2.5	PMV	11		
D POAST PLUS (1EC)	0.19	LAA	12		
E ATRAZINE 90DF (WG)	0.5	LAA	12		
F ECOC	0.625	PMV	12		
G FERTILIZER - 28%UAN	2.5	PMV	12		
19A POAST PLUS (1EC)	0.06	LAA	11	99	99
B E2,4-D LVE	0.25	LAA	11		
C ECOC	0.625	PMV	11		
D POAST PLUS (1EC)	0.12	LAA	12		
E LADDOK S12	1.04	LAA	12		
F ECOC	0.625	PMV	12		
G FERTILIZER - 28%UAN	2.5	PMV	12		
20A POAST PLUS (1EC)	0.06	LAA	11	99	99
B E2,4-D LVE	0.25	LAA	11		
C ECOC	0.625	PMV	11		
D POAST PLUS (1EC)	0.19	LAA	12		
E LADDOK S12	1.04	LAA	12		
F ECOC	0.625	PMV	12		
G FERTILIZER - 28%UAN	2.5	PMV	12		
21A POAST PLUS (1EC)	0.19	LAA	12	90	96
B LADDOK S12	1.04	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
22A POAST PLUS (1EC)	0.19	LAA	12	99	99
B LADDOK S12	0.75	LAA	12		
C ATRAZINE 90DF (WG)	0.75	LAA	12		
D ECOC	0.625	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
23A ACCENT (75WG)	0.03	LAA	12	96	99
B EBUCTRIL+ATRAZ.	0.75	LAA	12		
C ATRAZINE 90DF (WG)	0.5	LAA	12		
D DEACTIVATE PLUS	0.25	PMV	12		
24A POAST PLUS (1EC)	0.22	LAA	12	98	99
B LADDOK S12	1.21	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
		LSD (0.05)		4.5	2.7
		STANDARD DEVIATION		20.3	19.8

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 4.7  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 35 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
<b>TIMINGS</b>	11	12	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	05-30-96	06-07-96	MDY
<b>AIR TEMPERATURE</b>	56	63	½F
<b>% REL. HUMIDITY</b>	60	80	
<b>WIND DIRECTION</b>	EAST	WEST	
<b>WIND SPEED</b>	5.0	8.0	M/H
<b>SKY CONDITION</b>	CLEAR	CLOUDY	
<b>LEAF MOISTURE</b>	DRY	MOIST	
<b>ROOT MOISTURE</b>	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	
<b>PRESSURE</b>	32.00	32.00	PSI
<b>DILUENT</b>	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
<b>*** CROP ***</b>			
CORN, DENT	HGH/13	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/10.0	IN
04-17-96			
<b>*** PEST ***</b>			
PIGWEEED, SMOOTH	HGH/14	HGH/NA	
	1.00/2.00	****/****	IN
JIMSONWEED	HGH/12	HGH/NA	
	2.00/2.00	****/****	IN
SMARTWEED, PENNS	HGH/14	HGH/NA	
	3.00/5.00	****/****	IN
FOXTAIL, GIANT	HGH/12	HGH/14	
	2.00/3.00	4.00/6.00	IN

## \* TIMING CODES

11 = EPOST  
12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	POLPY	AMACH	DATST	ZEAMD
	RATE	UNIT		CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-28-96
1AELADDOK S12	1.04	LAA	11	0	93	83	80	99	2
B FERTILIZER - 28%UAN	2.5	PMV	11						
C POAST PLUS (1EC)	0.188	LAA	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
2AELADDOK S12	1.04	LAA	11	0	90	87	70	99	2
B POAST PLUS (1EC)	0.188	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A BASAGRAN (4SL)	0.75	LAA	11	3	85	87	68	87	3
BE2,4-D LVE	0.046	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
D POAST PLUS (1EC)	0.188	LAA	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
5A BASAGRAN (4SL)	0.75	LAA	11	3	78	82	30	92	3
BE2,4-D LVE	0.046	LAA	11						
C POAST PLUS (1EC)	0.188	LAA	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
6A MARKSMAN (3.2SC)	1.4	LAA	11	3	95	96	98	98	2
B POAST PLUS (1EC)	0.188	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
7A MARKSMAN (3.2SC)	1.4	LAA	11	3	95	96	98	98	0
B POAST PLUS (1EC)	0.188	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
8A BASAGRAN (4SL)	0.75	LAA	11	3	93	96	93	98	5
B SENCOR DF (75WG)	0.094	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
D POAST PLUS (1EC)	0.188	LAA	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
9A BASAGRAN (4SL)	0.75	LAA	11	5	87	90	73	88	2
B SENCOR DF (75WG)	0.094	LAA	11						
C POAST PLUS (1EC)	0.188	LAA	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
10A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	2	90	68	82	93	3
B POAST PLUS (1EC)	0.188	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
11A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	0	90	83	82	95	0
B POAST PLUS (1EC)	0.188	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
12A CLARITY (4SL)	0.5	LAA	11	2	87	93	83	95	2
B POAST PLUS (1EC)	0.188	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
13A CLARITY (4SL)	0.5	LAA	11	5	95	98	99	99	2
B POAST PLUS (1EC)	0.188	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
14A SENCOR DF (75WG)	0.094	LAA	11	3	93	80	93	95	5
BE2,4-D LVE	0.25	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
D POAST PLUS (1EC)	0.188	LAA	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
15A SENCOR DF (75WG)	0.094	LAA	11	10	93	80	92	80	8
BE2,4-D LVE	0.25	LAA	11						
C POAST PLUS (1EC)	0.188	LAA	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
16AE2,4-D LVE	0.38	LAA	11	3	92	93	95	90	2
B CLARITY (4SL)	0.125	LAA	11						
C POAST PLUS (1EC)	0.188	LAA	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
17AE2,4-D LVE	0.38	LAA	11	7	93	88	95	92	3
B CLARITY (4SL)	0.125	LAA	11						
C POAST PLUS (1EC)	0.188	LAA	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						



TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	POLPY	AMACH	DATST	ZEAMD	
	RATE	UNIT	TM	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-28-96	
18A BASAGRAN (4SL)	0.75	LAA	11	0	96	96	95	98	0	
BETOUGH 5EC	0.46	LAA	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.188	LAA	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
19A BASAGRAN (4SL)	0.75	LAA	11	7	77	80	87	96	2	
BETOUGH 5EC	0.46	LAA	11							
C POAST PLUS (1EC)	0.188	LAA	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
20A ESCORPION III 84.3WG	0.21	LAA	11	2	90	80	88	90	3	
B ACTIVATE PLUS	0.25	PMV	11							
C POAST PLUS (1EC)	0.188	LAA	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
21A ESCORPION III 84.3WG	0.21	LAA	11	2	87	82	87	92	2	
B POAST PLUS (1EC)	0.188	LAA	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
				LSD (0.05)	5.9	6.9	12.3	12.6	6.9	5.2
				STANDARD DEVIATION	3.8	20.2	20.9	24.2	20.8	3.3

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	POLPY	AMACH	DATST
	RATE	UNIT		CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96
1AELADDOK S12	1.04	LAA	11	92	86	80	99
B FERTILIZER - 28%UAN	2.5	PMV	11				
C POAST PLUS (1EC)	0.188	LAA	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
2AELADDOK S12	1.04	LAA	11	83	92	78	99
B POAST PLUS (1EC)	0.188	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0
4A BASAGRAN (4SL)	0.75	LAA	11	93	88	62	93
BE2,4-D LVE	0.046	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
D POAST PLUS (1EC)	0.188	LAA	12				
E FERTILIZER - 28%UAN	2.5	PMV	12				
5A BASAGRAN (4SL)	0.75	LAA	11	73	80	20	93
BE2,4-D LVE	0.046	LAA	11				
C POAST PLUS (1EC)	0.188	LAA	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
6A MARKSMAN (3.2SC)	1.4	LAA	11	95	99	99	99
B POAST PLUS (1EC)	0.188	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
7A MARKSMAN (3.2SC)	1.4	LAA	11	93	98	98	99
B POAST PLUS (1EC)	0.188	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
8A BASAGRAN (4SL)	0.75	LAA	11	93	96	90	94
B SENCOR DF (75WG)	0.094	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
D POAST PLUS (1EC)	0.188	LAA	12				
E FERTILIZER - 28%UAN	2.5	PMV	12				
9A BASAGRAN (4SL)	0.75	LAA	11	77	93	67	94
B SENCOR DF (75WG)	0.094	LAA	11				
C POAST PLUS (1EC)	0.188	LAA	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
10A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	93	80	80	94
B POAST PLUS (1EC)	0.188	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
11A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	78	83	73	99
B POAST PLUS (1EC)	0.188	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
12A CLARITY (4SL)	0.5	LAA	11	87	85	86	94
B POAST PLUS (1EC)	0.188	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
13A CLARITY (4SL)	0.5	LAA	11	90	95	96	99
B POAST PLUS (1EC)	0.188	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
14A SENCOR DF (75WG)	0.094	LAA	11	93	85	96	93
BE2,4-D LVE	0.25	LAA	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
D POAST PLUS (1EC)	0.188	LAA	12				
E FERTILIZER - 28%UAN	2.5	PMV	12				
15A SENCOR DF (75WG)	0.094	LAA	11	87	85	90	88
BE2,4-D LVE	0.25	LAA	11				
C POAST PLUS (1EC)	0.188	LAA	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
16AE2,4-D LVE	0.38	LAA	11	93	96	98	96
B CLARITY (4SL)	0.125	LAA	11				
C POAST PLUS (1EC)	0.188	LAA	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
17AE2,4-D LVE	0.38	LAA	11	87	96	98	98
B CLARITY (4SL)	0.125	LAA	11				
C POAST PLUS (1EC)	0.188	LAA	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	POLPY	AMACH	DATST	
	RATE	UNIT		CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	
18A BASAGRAN (4SL)	0.75	LAA	11	92	98	90	99	
BETOUGH 5EC	0.46	LAA	11					
C FERTILIZER - 28%UAN	2.5	PMV	11					
D POAST PLUS (1EC)	0.188	LAA	12					
E FERTILIZER - 28%UAN	2.5	PMV	12					
19A BASAGRAN (4SL)	0.75	LAA	11	73	83	85	96	
BETOUGH 5EC	0.46	LAA	11					
C POAST PLUS (1EC)	0.188	LAA	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
20A ESCORPION III 84.3WG	0.21	LAA	11	90	87	90	95	
B ACTIVATE PLUS	0.25	PMV	11					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
21A ESCORPION III 84.3WG	0.21	LAA	11	80	90	80	95	
B POAST PLUS (1EC)	0.188	LAA	11					
C FERTILIZER - 28%UAN	2.5	PMV	11					
				LSD (0.05)	7.9	15.4	14.1	9.3
				STANDARD DEVIATION	20.2	21.5	25.6	21.1

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 4.7  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 35 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	57	72	½F
% REL. HUMIDITY	60	80	
WIND DIRECTION	EAST	WEST	
WIND SPEED	5.0	5.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
CORN, DENT	HGH/12	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/8.00	IN
04-17-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/14	
	1.00/2.00	3.00/3.00	IN
PIGWEEED, SMOOTH	HGH/13	HGH/15	
	1.00/2.00	2.00/4.00	IN
RAGWEEED, COMMON	HGH/12	HGH/14	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/16	
	1.00/2.00	2.00/3.00	IN
SMARTWEEED, PENNS	HGH/14	HGH/17	
	2.00/3.00	4.00/5.00	IN

## \* TIMING CODES

11 = EPOST  
12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			POLPY	AMACH	ABUTH	CHEAL	AMBEL	POLPY
	RATE	UNIT	TM	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 07-08-96
1A ESCORPION III 84.3WG B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.21 0.25 2.5	LAA PMV PMV	11 11 11	99	99	99	99	99	99
2A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	11 11 11	97	93	99	99	99	95
3A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	11 11 11	99	99	99	99	99	99
4A MARKSMAN (3.2SC)	1.4	LAA	11	99	99	99	99	99	99
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A CLARITY (4SL) B FERTILIZER - 28%UAN	0.5 2.5	LAA LAA	11 11	99	99	99	99	99	99
7A SENCOR DF (75WG) B CLARITY (4SL)	0.094 0.5	LAA LAA	11 11	99	99	99	99	99	99
8A SENCOR DF (75WG) B E2,4-D LVE	0.036 0.18	LAA LAA	11 11	94	99	99	99	99	92
9A SENCOR DF (75WG) B MARKSMAN (3.2SC)	0.094 0.8	LAA LAA	11 11	99	99	99	99	99	99
10A ETOUGH SEC B ATRAZINE 90DF (WG) C ECOC D FERTILIZER - 28%UAN	0.7 1.00 1.00 2.5	LAA LAA PMV PMV	11 11 11 11	94	99	99	99	99	90
11A ETOUGH SEC B BANVEL (4SL)	0.47 0.25	LAA LAA	12 12	99	99	99	99	99	99
12A ESAN1269H 70WG B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.263 0.25 1.25	LAA PMV PMV	11 11 11	99	96	99	99	99	99
13A ESAN1269H 70WG B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.35 0.25 1.25	LAA PMV PMV	11 11 11	99	99	99	99	99	99
14A EXCEED B ECOC	0.036 1.00	LAA PMV	12 12	99	99	99	98	99	99
15A EXCEED B BANVEL (4SL) C ECOC	0.036 0.063 1.00	LAA LAA PMV	12 12 12	99	99	99	99	99	99
16A EXCEED B BANVEL (4SL) C ECOC	0.036 0.125 1.00	LAA LAA PMV	12 12 12	99	99	99	99	99	99
17A PERMIT (75WG) B ECOC	0.031 1.00	LAA PMV	12 12	87	78	96	63	85	82
18A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.063 1.00	LAA LAA PMV	12 12 12	82	97	98	79	99	82
19A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.125 1.00	LAA LAA PMV	12 12 12	97	99	99	93	99	95
20A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	99	99	99	99	99	94
21A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	12 12 12	93	88	98	87	96	88
22A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	12 12 12	99	96	99	96	99	99

TRT COMPOUND NUM TESTED	DOSAGE		TM	POLPY	AMACH	ABUTH	CHEAL	AMBEL	POLPY
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
23AESAN1269H 70WG BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.175	LAA	12	99	99	99	99	99	99
	0.25	PMV	12						
	1.25	PMV	12						
24AESAN1269H 70WG BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.263	LAA	12	99	99	99	99	99	99
	0.25	PMV	12						
	1.25	PMV	12						
25AELADDOK S12 BECOC	1.04	LAA	12	99	96	99	99	99	99
	1.00	PMV	12						
26A SENCOR DF (75WG) B BUCTRIL GEL (4EC)	0.094	LAA	12	83	99	99	99	99	81
	0.25	LAA	12						
27A SENCOR DF (75WG) BELADDOK S12 C FERTILIZER - 28%UAN	0.094	LAA	12	99	99	99	99	99	99
	0.83	LAA	12						
	2.00	PMV	12						
LSD (0.05)				3.9	3.5	1.9	3.5	1.8	3.7
STANDARD DEVIATION				19.0	18.9	18.7	19.8	18.8	19.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMACH	ABUTH	CHEAL	AMBEL
	RATE	UNIT		CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96
1A ESCORPION III 84.3WG B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.21 0.25 2.5	LAA PMV PMV	11 11 11	99	99	99	99
2A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	11 11 11	90	99	99	99
3A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	11 11 11	99	99	99	99
4A MARKSMAN (3.2SC)	1.4	LAA	11	99	99	99	99
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0
6A CLARITY (4SL) B FERTILIZER - 28%UAN	0.5 2.5	LAA LAA	11 11	99	99	99	99
7A SENCOR DF (75WG) B CLARITY (4SL)	0.094 0.5	LAA LAA	11 11	99	99	99	99
8A SENCOR DF (75WG) B E2,4-D LVE	0.036 0.18	LAA LAA	11 11	99	99	99	99
9A SENCOR DF (75WG) B MARKSMAN (3.2SC)	0.094 0.8	LAA LAA	11 11	99	99	99	99
10A ETOUGH 5EC B ATRAZINE 90DF (WG) C ECOC D FERTILIZER - 28%UAN	0.7 1.00 1.00 2.5	LAA LAA PMV PMV	11 11 11 11	99	99	99	99
11A ETOUGH 5EC B BANVEL (4SL)	0.47 0.25	LAA LAA	12 12	99	99	99	99
12A ESAN1269H 70WG B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.263 0.25 1.25	LAA PMV PMV	11 11 11	97	99	99	99
13A ESAN1269H 70WG B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.35 0.25 1.25	LAA PMV PMV	11 11 11	99	99	99	99
14A EXCEED B ECOC	0.036 1.00	LAA PMV	12 12	99	99	96	99
15A EXCEED B BANVEL (4SL) C ECOC	0.036 0.063 1.00	LAA LAA PMV	12 12 12	99	99	99	99
16A EXCEED B BANVEL (4SL) C ECOC	0.036 0.125 1.00	LAA LAA PMV	12 12 12	99	99	99	99
17A PERMIT (75WG) B ECOC	0.031 1.00	LAA PMV	12 12	75	93	58	75
18A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.063 1.00	LAA LAA PMV	12 12 12	90	94	75	99
19A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.125 1.00	LAA LAA PMV	12 12 12	98	99	85	99
20A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	99	99	99	99
21A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	12 12 12	82	95	86	95
22A EBROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	12 12 12	97	99	98	99

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMACH	ABUTH	CHEAL	AMBEL
	RATE	UNIT		CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96
23AESAN1269H 70WG BACTIVATE PLUS C FERTILIZER - 28%UAN	0.175	LAA	12	99	99	99	99
	0.25	PMV	12				
	1.25	PMV	12				
24AESAN1269H 70WG BACTIVATE PLUS C FERTILIZER - 28%UAN	0.263	LAA	12	99	99	99	99
	0.25	PMV	12				
	1.25	PMV	12				
25AELADDOK S12 BECOC	1.04	LAA	12	98	99	99	99
	1.00	PMV	12				
26A SENCOR DF (75WG) B BUCTRIL GEL (4EC)	0.094	LAA	12	99	99	99	99
	0.25	LAA	12				
27A SENCOR DF (75WG) BELADDOK S12 C FERTILIZER - 28%UAN	0.094	LAA	12	99	99	99	99
	0.83	LAA	12				
	2.00	PMV	12				
LSD (0.05)				2.9	2.1	4.5	2.1
STANDARD DEVIATION				19.1	18.7	20.3	19.1

£ = SUPPLEMENTAL CHEMICAL



## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 4.7  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 35 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	55	67	½F
% REL. HUMIDITY	60	80	
WIND DIRECTION	SOUTHEAST	NORTHWEST	
WIND SPEED	5.0	5.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
CORN, DENT	HGH/12	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/10.0	IN
04-17-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/14	
	1.00/2.00	3.00/3.00	IN
PIGWEEED, SMOOTH	HGH/14	HGH/16	
	1.00/2.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/17	
	1.00/2.00	2.00/4.00	IN
JIMSONWEED	HGH/12	HGH/14	
	2.00/2.00	3.00/4.00	IN
SMARTWEED, PENNS	HGH/14	HGH/18	
	4.00/5.00	4.00/8.00	IN

## \* TIMING CODES

11 = EPOST  
12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	POLPY	DATST	CHEAL	AMACH	ABUTH	
	RATE	UNIT		CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	
1A EACTION 4.75WP B EACTIVATE PLUS	0.0035 0.25	LAA PMV	11 11	0	40	50	47	47	99	
2A EACTION 4.75WP B EACTIVATE PLUS	0.0045 0.25	LAA PMV	11 11	0	47	70	72	57	97	
3A BANVEL (4SL) B EACTIVATE PLUS	0.25 0.25	LAA PMV	11 11	0	99	88	96	96	96	
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
5A E2,4-D LVE B EACTIVATE PLUS	0.25 0.25	LAA PMV	11 11	0	65	65	96	72	65	
6A MARKSMAN (3.2SC) B EACTIVATE PLUS	1.4 0.25	LAA PMV	11 11	0	99	99	99	99	99	
7A EACTION 4.75WP B BANVEL (4SL) C EACTIVATE PLUS	0.0035 0.25 0.25	LAA LAA PMV	11 11 11	0	88	98	99	98	99	
8A EACTION 4.75WP B E2,4-D LVE C EACTIVATE PLUS	0.0035 0.25 0.25	LAA LAA PMV	11 11 11	0	48	75	93	75	96	
9A EACTION 4.75WP B MARKSMAN (3.2SC) C EACTIVATE PLUS	0.0035 1.4 0.25	LAA LAA PMV	11 11 11	0	99	99	99	99	99	
10A RESOURCE (0.86EC) B ATRAZINE 90DF (WG) C ECOC	0.027 1.00 1.00	LAA LAA PMV	12 12 12	0	98	99	99	99	99	
11A RESOURCE (0.86EC) B MARKSMAN (3.2SC) C EACTIVATE PLUS	0.027 1.4 0.25	LAA LAA PMV	11 11 11	0	99	99	99	99	99	
12A EACTION 4.75WP B ECOC	0.0035 1.00	LAA PMV	12 12	0	67	88	67	78	97	
13A EACTION 4.75WP B ECOC	0.0045 1.00	LAA PMV	12 12	0	72	88	82	80	99	
14A EACTION 4.75WP B ATRAZINE 90DF (WG) C ECOC	0.0035 1.00 1.00	LAA LAA PMV	12 12 12	0	93	98	99	93	99	
15A EF8426 B ATRAZINE 90DF (WG) C ECOC	0.008 0.5 1.00	LAA LAA PMV	11 11 11	3	96	99	99	99	99	
16A EF8426 B ATRAZINE 90DF (WG) C ECOC	0.015 0.5 1.00	LAA LAA PMV	11 11 11	3	99	99	99	99	99	
17A EF8426 B BANVEL (4SL) C ECOC	0.008 0.125 1.00	LAA LAA PMV	11 11 11	0	93	99	99	99	99	
18A EF8426 B BANVEL (4SL) C ECOC	0.015 0.125 1.00	LAA LAA PMV	11 11 11	2	99	99	99	99	99	
19A EF8426 B EACTIVATE PLUS	0.015 0.25	LAA PMV	11 11	0	68	96	96	96	86	
20A EF8426 B EACTIVATE PLUS	0.023 0.25	LAA PMV	11 11	0	78	99	95	96	93	
21A EF8426 B EACTIVATE PLUS	0.031 0.25	LAA PMV	11 11	12	82	94	96	99	91	
				LSD (0.05)	4.1	8.0	6.0	5.1	6.0	6.3
				STANDARD DEVIATION	3.3	25.9	23.6	23.8	24.3	21.9

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD	POLPY	DATST	CHEAL	AMACH	ABUTH
				CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96
1A EACTION 4.75WP B EACTIVATE PLUS	0.0035 0.25	LAA PMV	11 11	0	37	67	37	47	97
2A EACTION 4.75WP B EACTIVATE PLUS	0.0045 0.25	LAA PMV	11 11	0	52	63	87	75	94
3A BANVEL (4SL) B EACTIVATE PLUS	0.25 0.25	LAA PMV	11 11	2	99	99	99	93	97
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A E2,4-D LVE B EACTIVATE PLUS	0.25 0.25	LAA PMV	11 11	0	70	77	96	96	92
6A MARKSMAN (3.2SC) B EACTIVATE PLUS	1.4 0.25	LAA PMV	11 11	2	99	99	99	99	98
7A EACTION 4.75WP B BANVEL (4SL) C EACTIVATE PLUS	0.0035 0.25 0.25	LAA LAA PMV	11 11 11	3	95	99	99	99	98
8A EACTION 4.75WP B E2,4-D LVE C EACTIVATE PLUS	0.0035 0.25 0.25	LAA LAA PMV	11 11 11	0	72	89	97	94	98
9A EACTION 4.75WP B MARKSMAN (3.2SC) C EACTIVATE PLUS	0.0035 1.4 0.25	LAA LAA PMV	11 11 11	3	99	99	99	99	97
10A RESOURCE (0.86EC) B ATRAZINE 90DF (WG) C ECOC	0.027 1.00 1.00	LAA LAA PMV	12 12 12	2	99	99	99	99	99
11A RESOURCE (0.86EC) B MARKSMAN (3.2SC) C EACTIVATE PLUS	0.027 1.4 0.25	LAA LAA PMV	11 11 11	0	99	99	99	99	99
12A EACTION 4.75WP B ECOC	0.0035 1.00	LAA PMV	12 12	0	80	99	93	83	99
13A EACTION 4.75WP B ECOC	0.0045 1.00	LAA PMV	12 12	3	73	96	97	96	98
14A EACTION 4.75WP B ATRAZINE 90DF (WG) C ECOC	0.0035 1.00 1.00	LAA LAA PMV	12 12 12	2	96	99	99	98	98
15A E F8426 B ATRAZINE 90DF (WG) C ECOC	0.008 0.5 1.00	LAA LAA PMV	11 11 11	3	92	96	99	99	98
16A E F8426 B ATRAZINE 90DF (WG) C ECOC	0.015 0.5 1.00	LAA LAA PMV	11 11 11	3	98	99	99	99	98
17A E F8426 B BANVEL (4SL) C ECOC	0.008 0.125 1.00	LAA LAA PMV	11 11 11	3	97	99	99	99	98
18A E F8426 B BANVEL (4SL) C ECOC	0.015 0.125 1.00	LAA LAA PMV	11 11 11	0	98	95	99	98	97
19A E F8426 B EACTIVATE PLUS	0.015 0.25	LAA PMV	11 11	7	67	99	85	92	87
20A E F8426 B EACTIVATE PLUS	0.023 0.25	LAA PMV	11 11	3	82	96	93	97	99
21A E F8426 B EACTIVATE PLUS	0.031 0.25	LAA PMV	11 11	5	90	99	98	99	96
	LSD (0.05)			3.9	9.7	6.5	6.5	7.3	4.5
	STANDARD DEVIATION			2.9	25.3	22.7	24.2	23.4	21.0

E = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-07-96	MDY
AIR TEMPERATURE	67	½F
% REL. HUMIDITY	80	
WIND DIRECTION	WEST	
WIND SPEED	7.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/14	
DEKALB 592SR	8.00/10.0	IN
04-17-96		
*** PEST ***		
VELVETLEAF	HGH/14	
	3.00/3.00	IN
PIGWEEED, SMOOTH	HGH/14	
	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/16	
	2.00/4.00	IN
JIMSONWEED	HGH/14	
	3.00/4.00	IN
SMARTWEED, PENNS	HGH/18	
	4.00/8.00	IN

\* TIMING CODES

12 = POST

\* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.19 lb Poast Plus 6-13-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	POLPY	DATST	CHEAL	ABUTH	AMACH
	RATE	UNIT		CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96
1A RESOURCE (0.86EC) BECOC	0.027 1.00	LAA PMV	12 12	7	50	95	73	99	98
2A BUCTRIL GEL (4EC)	0.125	LAA	12	0	57	95	82	83	63
3A BUCTRIL GEL (4EC)	0.25	LAA	12	0	80	90	87	85	80
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A BUCTRIL GEL (4EC)	0.5	LAA	12	2	78	88	83	83	80
6A RESOURCE (0.86EC) B BUCTRIL GEL (4EC)	0.027 0.125	LAA LAA	12 12	2	57	93	80	92	78
7A RESOURCE (0.86EC) B BUCTRIL GEL (4EC)	0.027 0.25	LAA LAA	12 12	2	85	90	85	90	88
8A SENCOR DF (75WG) BACTIVATE PLUS	0.094 0.25	LAA PMV	12 12	12	78	82	92	92	82
9A RESOURCE (0.86EC) B SENCOR DF (75WG) CACTIVATE PLUS	0.027 0.094 0.25	LAA LAA PMV	12 12 12	13	78	83	87	92	87
10A BASAGRAN (4SL) BECOC	0.5 1.00	LAA PMV	12 12	2	63	88	77	90	52
11A BASAGRAN (4SL) BECOC	0.75 1.00	LAA PMV	12 12	2	90	87	78	91	47
12A RESOURCE (0.86EC) B BASAGRAN (4SL) CECOC	0.027 0.5 1.00	LAA LAA PMV	12 12 12	10	86	95	88	95	87
13A RESOURCE (0.86EC) B BASAGRAN (4SL) CECOC	0.027 0.75 1.00	LAA LAA PMV	12 12 12	8	91	93	85	92	87
14A EXCEED BECOC	0.02 1.00	LAA PMV	12 12	0	72	80	87	78	92
15A EXCEED BECOC	0.027 1.00	LAA PMV	12 12	0	73	80	68	90	88
16A EXCEED BECOC	0.036 1.00	LAA PMV	12 12	0	82	88	83	90	95
17A RESOURCE (0.86EC) B EXCEED CECOC	0.027 0.02 1.00	LAA LAA PMV	12 12 12	3	87	95	90	95	95
18A RESOURCE (0.86EC) B EXCEED CECOC	0.027 0.027 1.00	LAA LAA PMV	12 12 12	5	83	92	88	92	88
19A ELADDOK S12 BECOC	0.83 1.00	LAA PMV	12 12	0	83	93	88	88	85
20A ELADDOK S12 BECOC	1.45 1.00	LAA PMV	12 12	2	98	99	99	98	98
21A RESOURCE (0.86EC) B ELADDOK S12 CECOC	0.027 0.83 1.00	LAA LAA PMV	12 12 12	12	93	93	95	96	92
22A RESOURCE (0.86EC) B ELADDOK S12 CECOC	0.027 1.45 1.00	LAA LAA PMV	12 12 12	10	95	99	99	98	98
23A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
24A ATRAZINE 90DF (WG) B BANVEL (4SL)	0.5 0.25	LAA LAA	12 12	0	83	93	83	78	80
25A ATRAZINE 90DF (WG) B BANVEL (4SL)	1.00 0.25	LAA LAA	12 12	0	90	93	92	87	90

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	POLPY	DATST	CHEAL	ABUTH	AMACH
	RATE	UNIT		CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96	CON % 06-17-96
26A RESOURCE (0.86EC)	0.027	LAA	12	2	88	96	93	95	91
B ATRAZINE 90DF (WG)	0.5	LAA	12						
C BANVEL (4SL)	0.25	LAA	12						
27A RESOURCE (0.86EC)	0.027	LAA	12	2	90	96	96	93	92
B ATRAZINE 90DF (WG)	1.00	LAA	12						
C BANVEL (4SL)	0.25	LAA	12						
			LSD (0.05)	5.0	12.0	9.4	10.1	8.3	11.0
			STANDARD DEVIATION	5.1	25.1	24.9	24.3	24.6	26.0

TRT COMPOUND NUM TESTED	DOSAGE			TM	ZEAMD CON % 06-29-96	POLPY CON % 06-29-96	DATST CON % 06-29-96	CHEAL CON % 06-29-96	ABUTH CON % 06-29-96	AMACH CON % 06-29-96
	RATE	UNIT								
1A RESOURCE (0.86EC) BECOC	0.027 1.00	LAA PMV	12 12		0	72	90	68	96	99
2A BUSTRIL GEL (4EC)	0.125	LAA	12		0	43	88	73	92	83
3A BUSTRIL GEL (4EC)	0.25	LAA	12		0	90	94	90	93	86
4A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0
5A BUSTRIL GEL (4EC)	0.5	LAA	12		0	83	93	95	87	85
6A RESOURCE (0.86EC) B BUSTRIL GEL (4EC)	0.027 0.125	LAA LAA	12 12		0	65	96	91	98	93
7A RESOURCE (0.86EC) B BUSTRIL GEL (4EC)	0.027 0.25	LAA LAA	12 12		2	88	93	90	96	95
8A SENCOR DF (75WG) BEACTIVATE PLUS	0.094 0.25	LAA PMV	12 12		5	72	92	96	96	88
9A RESOURCE (0.86EC) B SENCOR DF (75WG) CEACTIVATE PLUS	0.027 0.094 0.25	LAA LAA PMV	12 12 12		13	72	85	91	93	90
10A BASAGRAN (4SL) BECOC	0.5 1.00	LAA PMV	12 12		0	65	93	80	95	58
11A BASAGRAN (4SL) BECOC	0.75 1.00	LAA PMV	12 12		2	87	90	73	98	63
12A RESOURCE (0.86EC) B BASAGRAN (4SL) CECOC	0.027 0.5 1.00	LAA LAA PMV	12 12 12		2	96	99	91	96	98
13A RESOURCE (0.86EC) B BASAGRAN (4SL) CECOC	0.027 0.75 1.00	LAA LAA PMV	12 12 12		0	93	95	91	96	90
14A EXCEED BECOC	0.02 1.00	LAA PMV	12 12		5	85	99	82	95	98
15A EXCEED BECOC	0.027 1.00	LAA PMV	12 12		2	85	99	73	95	99
16A EXCEED BECOC	0.036 1.00	LAA PMV	12 12		2	88	96	82	98	99
17A RESOURCE (0.86EC) BEEXCEED CECOC	0.027 0.02 1.00	LAA LAA PMV	12 12 12		2	93	96	90	99	99
18A RESOURCE (0.86EC) BEEXCEED CECOC	0.027 0.027 1.00	LAA LAA PMV	12 12 12		5	92	98	92	99	98
19A ELADDOK S12 BECOC	0.83 1.00	LAA PMV	12 12		2	94	88	93	95	91
20A ELADDOK S12 BECOC	1.45 1.00	LAA PMV	12 12		2	99	99	99	99	96
21A RESOURCE (0.86EC) BELADDOK S12 CECOC	0.027 0.83 1.00	LAA LAA PMV	12 12 12		7	99	98	98	99	96
22A RESOURCE (0.86EC) BELADDOK S12 CECOC	0.027 1.45 1.00	LAA LAA PMV	12 12 12		5	96	99	99	98	93
23A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0
24A ATRAZINE 90DF (WG) B BANVEL (4SL)	0.5 0.25	LAA LAA	12 12		0	88	99	96	93	92
25A ATRAZINE 90DF (WG) B BANVEL (4SL)	1.00 0.25	LAA LAA	12 12		2	93	99	96	99	93

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	POLPY	DATST	CHEAL	ABUTH	AMACH	
	RATE	UNIT		CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	
26A RESOURCE (0.86EC)	0.027	LAA	12	2	96	98	96	98	96	
B ATRAZINE 90DF (WG)	0.5	LAA	12							
C BANVEL (4SL)	0.25	LAA	12							
27A RESOURCE (0.86EC)	0.027	LAA	12	0	96	98	98	98	96	
B ATRAZINE 90DF (WG)	1.00	LAA	12							
C BANVEL (4SL)	0.25	LAA	12							
				LSD (0.05)	6.3	9.0	9.3	9.3	4.4	12.5
				STANDARD DEVIATION	4.3	26.3	25.7	25.3	25.4	26.6

£ = SUPPLEMENTAL CHEMICAL



## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 4.7  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 35 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	55	63	½F
% REL. HUMIDITY	60	80	
WIND DIRECTION	EAST	WEST	
WIND SPEED	5.0	8.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/10.0	IN
04-17-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/NA	
	1.00/2.00	****/****	IN
PIGWEEED, SMOOTH	HGH/12	HGH/NA	
	1.00/2.00	****/****	IN
LAMBSQUARTERS, C	HGH/13	HGH/NA	
	1.00/2.00	****/****	IN
JIMSONWEED	HGH/12	HGH/NA	
	2.00/2.00	****/****	IN
SMARTWEED, PENNS	HGH/14	HGH/NA	
	3.00/5.00	****/****	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	2.00/3.00	4.00/6.00	IN

## \* TIMING CODES

11 = EPOST  
12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	CHEAL	ABUTH	AMACH	DATST	
	RATE	UNIT	TM	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	CON % 06-18-96	
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
2A EXCEED	0.027	LAA	11	0	90	42	87	92	95	
B POAST PLUS (1EC)	0.188	LAA	12							
3A EXCEED	0.027	LAA	11	0	96	72	92	93	95	
B EHM9327	0.25	PMG	11							
C POAST PLUS (1EC)	0.188	LAA	12							
4A EXCEED	0.027	LAA	11	0	92	77	88	87	95	
B EHM9327	0.25	PMG	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.188	LAA	12							
5A EXCEED	0.027	LAA	11	0	92	93	88	91	96	
B EHM8802-A	0.5	PMV	11							
C POAST PLUS (1EC)	0.188	LAA	12							
6A EXCEED	0.027	LAA	11	0	88	93	93	88	95	
B EHM8802-A	0.5	PMV	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.188	LAA	12							
7A EXCEED	0.027	LAA	11	55	93	45	92	92	93	
B ACCENT (75WG)	0.012	LAA	11							
8A EXCEED	0.027	LAA	11	80	90	72	87	93	96	
B ACCENT (75WG)	0.012	LAA	11							
C EHM9327	0.25	PMV	11							
9A EXCEED	0.027	LAA	11	92	86	70	93	93	98	
B ACCENT (75WG)	0.012	LAA	11							
C EHM9327	0.25	PMG	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
10A EXCEED	0.027	LAA	11	88	93	93	87	90	99	
B ACCENT (75WG)	0.012	LAA	11							
C EHM8802-A	0.5	PMV	11							
11A EXCEED	0.027	LAA	11	83	96	88	93	93	95	
B ACCENT (75WG)	0.012	LAA	11							
C EHM8802-A	0.5	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
12A EXCEED	0.027	LAA	11	53	98	70	90	93	99	
B ACCENT (75WG)	0.012	LAA	11							
C EHM9208-A	0.2	PMG	11							
				LSD (0.05)	10.0	9.5	10.5	5.7	8.6	4.2
				STANDARD DEVIATION	39.6	26.1	27.2	25.2	25.7	26.7

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	CHEAL	ABUTH	AMACH	DATST	
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
2A EXCEED	0.027	LAA	11	99	93	50	85	88	96	
B POAST PLUS (1EC)	0.188	LAA	12							
3A EXCEED	0.027	LAA	11	99	95	77	92	93	98	
B EHM9327	0.25	PMG	11							
C POAST PLUS (1EC)	0.188	LAA	12							
4A EXCEED	0.027	LAA	11	99	93	77	90	90	96	
B EHM9327	0.25	PMG	11							
C FERTILIZER - 28%JAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.188	LAA	12							
5A EXCEED	0.027	LAA	11	99	90	91	93	93	98	
B EHM8802-A	0.5	PMV	11							
C POAST PLUS (1EC)	0.188	LAA	12							
6A EXCEED	0.027	LAA	11	99	95	95	95	95	98	
B EHM8802-A	0.5	PMV	11							
C FERTILIZER - 28%JAN	2.5	PMV	11							
D POAST PLUS (1EC)	0.188	LAA	12							
7A EXCEED	0.027	LAA	11	45	95	55	92	93	96	
B ACCENT (75WG)	0.012	LAA	11							
8A EXCEED	0.027	LAA	11	82	98	77	90	95	96	
B ACCENT (75WG)	0.012	LAA	11							
C EHM9327	0.25	PMV	11							
9A EXCEED	0.027	LAA	11	90	95	75	93	93	96	
B ACCENT (75WG)	0.012	LAA	11							
C EHM9327	0.25	PMG	11							
D FERTILIZER - 28%JAN	2.5	PMV	11							
10A EXCEED	0.027	LAA	11	83	96	96	92	95	99	
B ACCENT (75WG)	0.012	LAA	11							
C EHM8802-A	0.5	PMV	11							
11A EXCEED	0.027	LAA	11	82	98	95	95	95	95	
B ACCENT (75WG)	0.012	LAA	11							
C EHM8802-A	0.5	PMV	11							
D FERTILIZER - 28%JAN	2.5	PMV	11							
12A EXCEED	0.027	LAA	11	45	98	77	92	95	99	
B ACCENT (75WG)	0.012	LAA	11							
C EHM9208-A	0.2	PMG	11							
				LSD (0.05)	9.6	5.0	13.5	6.1	5.1	3.8
				STANDARD DEVIATION	30.2	26.5	26.9	25.6	26.0	26.9

£ = SUPPLEMENTAL CHEMICAL

LIBRARY U. OF CALIFORNIA CHAMPAIGN

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	05	
TYPE	LIQMXSPR	
APPLICATION DATE	04-08-96	MDY
AIR TEMPERATURE	44	½F
% REL.HUMIDITY	35	
WIND DIRECTION	NORTH	
WIND SPEED	3.0	M/H
SKY CONDITION	OVERCAST	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** PEST ***		
VELVETLEAF	HGH/NA ****/****	IN
PIGWEEED, SMOOTH	HGH/NA ****/****	IN
LAMBSQUARTERS, C	HGH/NA ****/****	IN
JIMSONWEED	HGH/NA ****/****	IN
MORNINGGLORY, IV	HGH/NA ****/****	IN
FOXTAIL, GIANT	HGH/NA ****/****	IN

\* TIMING CODES

05 = VEPP 15 DBP

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	DATST	CHEAL	IPOHE	AMACH
	RATE	UNIT		CON % 06-08-96	CON % 06-08-96	CON % 06-08-96	CON % 06-08-96	CON % 06-08-96	CON % 06-08-96
1AEXP31130A	0.094	LAA	5	53	85	80	83	50	85
2AEXP31130A	0.141	LAA	5	75	85	82	85	63	85
3AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	5 5	85	90	88	90	73	90
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5AEXP31130A BETOPNOTCH	0.141 1.00	LAA LAA	5 5	89	92	91	95	85	94
6AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	5 5	95	96	94	97	88	98
7AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	5 5 5	96	94	96	96	90	93
8AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.25	LAA LAA LAA	5 5 5	97	98	98	98	92	95
9AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	92	91	93	93	67	93
10AEXP31130A B DUAL II (7.8EC)	0.141 1.25	LAA LAA	5 5	90	93	93	93	65	93
11AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	94	94	94	96	67	95
12AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.25	LAA LAA LAA	5 5 5	94	95	95	95	78	94
13AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	88	95	95	94	73	95
14AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	78	93	93	95	80	93
15A ATRAZINE 90DF (WG) B DUAL II (7.8EC)	2.00 2.00	LAA LAA	5 5	98	93	96	98	92	95
16AEBICEP II	4.00	LAA	5	99	95	99	99	96	95
		LSD (0.05)		9.4	6.4	8.3	5.8	9.0	7.1
		STANDARD DEVIATION		24.7	23.2	23.8	23.5	23.2	23.2

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	DATST	CHEAL	IPOHE	AMACH	
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	
1A£EXP31130A	0.094	LAA	5	43	82	78	82	50	78	
2A£EXP31130A	0.141	LAA	5	58	82	73	80	53	78	
3A£EXP31130A B£TOPNOTCH	0.094 1.00	LAA LAA	5 5	77	88	87	87	63	88	
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
5A£EXP31130A B£TOPNOTCH	0.141 1.00	LAA LAA	5 5	82	88	90	90	73	92	
6A£EXP31130A B£TOPNOTCH	0.094 1.5	LAA LAA	5 5	87	93	92	90	73	93	
7A£EXP31130A B ATRAZINE 90DF (WG) C£TOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	5 5 5	87	95	95	95	85	93	
8A£EXP31130A B ATRAZINE 90DF (WG) C£TOPNOTCH	0.094 1.25 1.25	LAA LAA LAA	5 5 5	92	95	96	96	85	91	
9A£EXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	89	93	90	92	70	88	
10A£EXP31130A B DUAL II (7.8EC)	0.141 1.25	LAA LAA	5 5	90	91	88	93	67	91	
11A£EXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	87	92	92	88	63	90	
12A£EXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.25	LAA LAA LAA	5 5 5	93	94	96	96	80	94	
13A£EXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	80	90	90	90	75	92	
14A£EXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	72	94	93	93	83	93	
15A ATRAZINE 90DF (WG) B DUAL II (7.8EC)	2.00 2.00	LAA LAA	5 5	94	90	93	95	92	93	
16A£BICEP II	4.00	LAA	5	96	93	96	97	94	96	
				LSD (0.05) STANDARD DEVIATION	8.2 24.5	6.7 22.7	9.7 23.4	6.6 22.9	8.0 22.1	6.5 22.8

£ = SUPPLEMENTAL CHEMICAL

COMPARISON OF CHLOROACETAMIDE HERBICIDES IN CONVENTIONAL CORN APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	04-19-96	MDY
AIR TEMPERATURE	77	½F
% REL.HUMIDITY	55	
WIND DIRECTION	SOUTH	
WIND SPEED	10.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
DEKALB 592SR	****/****	IN
04-19-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

\* TIMING CODES  
 09 = PREEMERGENCE

\* STAGE CODE  
 NA = NOT APPLICABLE / NOT AVAILABLE

Blanket application 0.5 lb Clarity 5-31-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ZEAMD	SETFA	ZEAMD	SETFA
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
				06-04-96	06-04-96	06-28-96	06-28-96	08-30-96	08-30-96
1A DUAL II (7.8EC)	2.25	LAA	9	0	98	0	93	0	91
2A DUAL II (7.8EC)	4.5	LAA	9	3	99	0	99	0	99
3A DUAL II MAGNUM 915GL	1.4	LAA	9	2	98	0	95	0	93
4A UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0
5A DUAL II MAGNUM 915GL	2.8	LAA	9	0	99	0	99	0	99
6A TOPNOTCH (3.2CS)	1.8	LAA	9	0	95	0	92	0	86
7A TOPNOTCH (3.2CS)	3.6	LAA	9	0	99	0	99	0	99
8A HARNESS (7EC)	1.8	LAA	9	0	95	0	87	0	81
9A HARNESS (7EC)	3.6	LAA	9	2	98	0	99	0	99
10A FRONTIER 6.0EC	1.29	LAA	9	0	93	0	90	0	87
11A FRONTIER 6.0EC	2.58	LAA	9	0	98	0	99	0	99
12A AXIOM	0.85	LAA	9	3	90	0	92	0	87
13A AXIOM	1.7	LAA	9	0	93	0	99	0	99
14A DUAL II MAGNUM 915GL B FRONTIER 6.0EC	1.1 0.65	LAA LAA	9 9	0	98	0	95	0	91
15A DUAL II MAGNUM 915GL B HARNESS (7EC)	1.1 0.9	LAA LAA	9 9	2	95	0	92	0	88
16A HAND WEEDED	0.00	NA	0	0	99	0	99	0	99
LSD (0.05)				4.0	4.7	0.0	4.9	0.0	5.4
STANDARD DEVIATION				2.3	23.6	0.0	23.5	0.0	23.4



TRT COMPOUND NUM TESTED	DOSAGE		TM	YIELD BU/A 09-30-96
	RATE	UNIT		
1A DUAL II (7.8EC)	2.25	LAA	9	169.3
2A DUAL II (7.8EC)	4.5	LAA	9	172.0
3A DUAL II MAGNUM 915GL	1.4	LAA	9	166.6
4A UNTREATED CHECK	0.00	NA	9	144.9
5A DUAL II MAGNUM 915GL	2.8	LAA	9	158.5
6A TOPNOTCH (3.2CS)	1.8	LAA	9	157.8
7A TOPNOTCH (3.2CS)	3.6	LAA	9	156.4
8A HARNESS (7EC)	1.8	LAA	9	176.2
9A HARNESS (7EC)	3.6	LAA	9	148.4
10A FRONTIER 6.0EC	1.29	LAA	9	160.0
11A FRONTIER 6.0EC	2.58	LAA	9	167.3
12A AXIOM	0.85	LAA	9	146.1
13A AXIOM	1.7	LAA	9	166.1
14A DUAL II MAGNUM 915GL B FRONTIER 6.0EC	1.1 0.65	LAA LAA	9 9	166.6
15A DUAL II MAGNUM 915GL B HARNESS (7EC)	1.1 0.9	LAA LAA	9 9	158.1
16A HAND WEDED	0.00	NA	0	153.1
		LSD (0.05)		17.6
		STANDARD DEVIATION		13.6

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-19-96	05-30-96	06-07-96	MDY
AIR TEMPERATURE	77	62	65	1/2 F
% REL.HUMIDITY	55	55	83	
WIND DIRECTION	SOUTH	EAST	SOUTHWEST	
WIND SPEED	10.0	5.0	10.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/15	
DEKALB 592SR	****/****	3.00/4.00	8.00/8.00	IN
04-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	2.00/4.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/13	HGH/16	
	****/****	1.00/2.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/17	
	****/****	2.00/3.00	2.00/4.00	IN
JIMSONWEED	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/3.00	3.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	2.00/4.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST  
 12 = POST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE





TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-01-96
	RATE	UNIT	TM	
1A CLARITY (4SL)	0.5	LAA	12	158.0
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
2A MARKSMAN (3.2SC)	1.4	LAA	12	164.2
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
3A BUCTRIL GEL (4EC)	0.25	LAA	12	187.3
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
4A UNTREATED CHECK	0.00	NA	0	135.8
5A LADDOK	1.04	LAA	12	196.3
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
6A ESCORPION III 84.3WG	0.21	LAA	12	183.3
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
7A PERMIT	0.031	LAA	12	186.6
B CLARITY (4SL)	0.125	LAA	12	
C POAST (1.5EC)	0.188	LAA	12	
D ECOC	1.00	PMV	12	
8A EXCEED	0.036	LAA	12	167.9
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
9A BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	179.6
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
10A BUCTRIL GEL (4EC)	0.25	LAA	12	189.6
B ACCENT (75WG)	0.031	LAA	12	
C ACTIVATE PLUS	0.25	PMV	12	
11A ATRAZINE 90DF (WG)	1.00	LAA	12	180.9
B RESOURCE (0.86EC)	0.027	LAA	12	
C POAST (1.5EC)	0.188	LAA	12	
D ECOC	1.00	PMV	12	
12A MARKSMAN (3.2SC)	1.4	LAA	11	194.2
B POAST (1.5EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
13A MARKSMAN (3.2SC)	1.4	LAA	11	189.2
B ACCENT (75WG)	0.031	LAA	12	
C ACTIVATE PLUS	0.25	PMV	12	
14A HAND WEEDED	0.00	NA	0	200.6
		LSD (0.05)		29.5
		STANDARD DEVIATION		26.6

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-07-96	MDY
AIR TEMPERATURE	65	½F
% REL.HUMIDITY	83	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/15	
DEKALB 592SR	6.00/8.00	IN
04-19-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/13	
	2.00/5.00	IN

\* TIMING CODES

12 = POST

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.5 lb Clarity 5-31-96

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	SETFA
	RATE	UNIT	TM	CON % 06-17-96	CON % 07-01-96
1A ACCENT (75WG)	0.031	LAA	12	80	68
2A ACCENT (75WG) BEATPLUS 411F	0.016 1.00	LAA PMV	12 12	78	74
3A ACCENT (75WG) BEATPLUS 411F	0.031 1.00	LAA PMV	12 12	78	83
4A ACCENT (75WG) BEATPLUS 411F	0.016 0.5	LAA PMV	12 12	70	62
5A UNTREATED CHECK	0.00	NA	0	0	0
6A ACCENT (75WG) BEATPLUS 411F	0.031 0.5	LAA PMV	12 12	57	65
7A ACCENT (75WG) BEATPLUS 467	0.016 1.00	LAA PMV	12 12	67	65
8A ACCENT (75WG) BEATPLUS 467	0.031 1.00	LAA PMV	12 12	77	87
9A ACCENT (75WG) BEATPLUS 467	0.016 0.5	LAA PMV	12 12	70	76
10A ACCENT (75WG) BEATPLUS 467	0.031 0.5	LAA PMV	12 12	82	88
11A ACCENT (75WG) BEAL-2857	0.016 1.00	LAA PMV	12 12	87	84
12A ACCENT (75WG) BEAL-2857	0.031 1.00	LAA PMV	12 12	78	88
13A ACCENT (75WG) BEAL-2857	0.016 0.5	LAA PMV	12 12	70	62
14A ACCENT (75WG) BEAL-2857	0.031 0.5	LAA PMV	12 12	77	85
15A ACCENT (75WG) BEATPLUS S-12	0.016 1.75	LAA PMG	12 12	75	70
16A ACCENT (75WG) BEATPLUS S-12	0.031 1.75	LAA PMG	12 12	80	88
17A ACCENT (75WG) BEATPLUS S-12	0.016 0.875	LAA PMG	12 12	72	67
18A ACCENT (75WG) BEATPLUS S-12	0.031 0.875	LAA PMG	12 12	80	83
19A ACCENT (75WG) BEATPLUS S-14	0.016 1.75	LAA PMG	12 12	83	83
20A ACCENT (75WG) BEATPLUS S-14	0.031 1.75	LAA PMG	12 12	82	84
21A ACCENT (75WG) BEATPLUS S-14	0.016 0.875	LAA PMG	12 12	78	71
22A ACCENT (75WG) BEATPLUS S-14	0.031 0.875	LAA PMG	12 12	80	84
		LSD (0.05)		9.0	7.1
		STANDARD DEVIATION		17.7	18.7

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN ROUNDUP-READY CORN APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.7  
 %OM: 5.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 24 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-14-96	06-24-96	MDY
AIR TEMPERATURE	80	90	81	½F
% REL.HUMIDITY	70	55	70	
WIND DIRECTION	SOUTH	WEST	NORTHWEST	
WIND SPEED	10.0	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/16	
RRCORN X66041	****/****	6.00/8.00	16.0/16.0	IN
05-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/NA	
	****/****	1.00/1.00	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/NA	
	****/****	1.00/2.00	****/****	IN
MORNINGGLORY, TA	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/13	HGH/NA	
	****/****	1.00/2.00	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN
COCKLEBUR, COMMO	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN

\* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST  
 13 = LPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE





TRT COMPOUND NUM TESTED	DOSAGE			CHEAL	ZEAMD	SETFA	ABUTH	XANST	PHBPU
	RATE	UNIT	TM	CON % 06-25-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96
1AEROUNDUP ULTRA 3AS	0.38	LAA	11	97	8	92	87	91	75
2AEROUNDUP ULTRA 3AS	0.56	LAA	11	96	5	91	83	86	77
3A HARNESS (7EC) B EROUNDUP ULTRA 3AS	1.00 0.38	LAA LAA	9 11	96	3	85	86	91	63
4A HARNESS (7EC) B EROUNDUP ULTRA 3AS	1.5 0.38	LAA LAA	9 11	99	7	85	75	70	58
5A HARNESS (7EC) B EROUNDUP ULTRA 3AS	2.00 0.38	LAA LAA	9 11	96	7	88	92	91	73
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7AEROUNDUP ULTRA 3AS BEMON8435 7.5EC	0.38 0.5	LAA LAA	11 11	93	5	98	88	94	80
8AEROUNDUP ULTRA 3AS BEMON8435 7.5EC	0.38 0.75	LAA LAA	11 11	96	10	98	80	99	82
9AEROUNDUP ULTRA 3AS BEMON8435 7.5EC	0.38 1.00	LAA LAA	11 11	95	12	98	85	85	87
10AEROUNDUP ULTRA 3AS BEMON8435 7.5EC	0.38 1.25	LAA LAA	11 11	96	10	96	87	99	82
11AEROUNDUP ULTRA 3AS BEMON8435 7.5EC	0.38 1.5	LAA LAA	11 11	98	13	98	98	99	78
12AEROUNDUP ULTRA 3AS BEMON8435 7.5EC	0.38 1.75	LAA LAA	11 11	98	12	97	93	99	82
13AEROUNDUP ULTRA 3AS B ATRAZINE 90DF (WG)	0.38 1.00	LAA LAA	11 11	99	8	92	88	99	92
14AEROUNDUP ULTRA 3AS B PERMIT (75WG)	0.38 0.032	LAA LAA	11 11	87	8	88	96	99	80
15AEROUNDUP ULTRA 3AS B CLARITY (4SL)	0.38 0.25	LAA LAA	11 11	99	10	87	87	99	95
16AEROUNDUP ULTRA 3AS B HARNESS (7EC) C PERMIT (75WG)	0.38 1.00 0.016	LAA LAA LAA	11 11 11	87	5	97	97	99	85
17AEROUNDUP ULTRA 3AS B HARNESS (7EC) C PERMIT (75WG)	0.38 1.00 0.032	LAA LAA LAA	11 11 11	93	12	98	98	98	82
18AEROUNDUP ULTRA 3AS B HARNESS EXTRA 5.6 C PERMIT (75WG)	0.38 1.81 0.032	LAA LAA LAA	11 11 11	99	12	98	99	99	97
19AEROUNDUP ULTRA 3AS B HARNESS EXTRA 5.6 C PERMIT (75WG)	0.38 2.71 0.032	LAA LAA LAA	11 11 11	99	12	97	98	99	96
20AEMON58420 4.25FL	2.74	LAA	11	99	10	98	96	99	97
21AEROUNDUP ULTRA 3AS B EROUNDUP ULTRA 3AS	0.38 0.38	LAA LAA	11 13	98	7	96	99	99	92
22AEHARNESS EXTRA 5.6	3.5	LAA	9	99	7	87	57	93	60
LSD (0.05)				5.1	5.0	5.8	8.1	7.7	6.9
STANDARD DEVIATION				20.5	4.5	20.2	21.3	21.3	20.5

TRT COMPOUND NUM TESTED	DOSAGE			POLPY	CHEAL
	RATE	UNIT	TM	CON % 07-15-96	CON % 07-15-96
1AEROUNDUP ULTRA 3AS	0.38	LAA	11	99	90
2AEROUNDUP ULTRA 3AS	0.56	LAA	11	99	98
3A HARNESS (7EC) BÉROUNDUP ULTRA 3AS	1.00 0.38	LAA LAA	9 11	99	98
4A HARNESS (7EC) BÉROUNDUP ULTRA 3AS	1.5 0.38	LAA LAA	9 11	98	97
5A HARNESS (7EC) BÉROUNDUP ULTRA 3AS	2.00 0.38	LAA LAA	9 11	99	99
6A UNTREATED CHECK	0.00	NA	0	0	0
7AEROUNDUP ULTRA 3AS BÉMON8435 7.5EC	0.38 0.5	LAA LAA	11 11	99	98
8AEROUNDUP ULTRA 3AS BÉMON8435 7.5EC	0.38 0.75	LAA LAA	11 11	96	98
9AEROUNDUP ULTRA 3AS BÉMON8435 7.5EC	0.38 1.00	LAA LAA	11 11	98	96
10AEROUNDUP ULTRA 3AS BÉMON8435 7.5EC	0.38 1.25	LAA LAA	11 11	99	96
11AEROUNDUP ULTRA 3AS BÉMON8435 7.5EC	0.38 1.5	LAA LAA	11 11	99	96
12AEROUNDUP ULTRA 3AS BÉMON8435 7.5EC	0.38 1.75	LAA LAA	11 11	99	96
13AEROUNDUP ULTRA 3AS B ATRAZINE 90DF (WG)	0.38 1.00	LAA LAA	11 11	99	99
14AEROUNDUP ULTRA 3AS B PERMIT (75WG)	0.38 0.032	LAA LAA	11 11	99	92
15AEROUNDUP ULTRA 3AS B CLARITY (4SL)	0.38 0.25	LAA LAA	11 11	99	98
16AEROUNDUP ULTRA 3AS B HARNESS (7EC) C PERMIT (75WG)	0.38 1.00 0.016	LAA LAA LAA	11 11 11	99	90
17AEROUNDUP ULTRA 3AS B HARNESS (7EC) C PERMIT (75WG)	0.38 1.00 0.032	LAA LAA LAA	11 11 11	99	91
18AEROUNDUP ULTRA 3AS BÉHARNESS EXTRA 5.6 C PERMIT (75WG)	0.38 1.81 0.032	LAA LAA LAA	11 11 11	99	99
19AEROUNDUP ULTRA 3AS BÉHARNESS EXTRA 5.6 C PERMIT (75WG)	0.38 2.71 0.032	LAA LAA LAA	11 11 11	99	99
20AÉMON58420 4.25FL	2.74	LAA	11	99	99
21AEROUNDUP ULTRA 3AS BÉROUNDUP ULTRA 3AS	0.38 0.38	LAA LAA	11 13	99	98
22AÉHARNESS EXTRA 5.6	3.5	LAA	9	99	98
		LSD (0.05)		1.0	5.4
		STANDARD DEVIATION		20.6	20.5

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL LIBERTY-LINK CORN  
APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
PH: 6.7  
%OM: 5.5  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 31 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-14-96	06-24-96	MDY
AIR TEMPERATURE	77	82	81	½F
% REL. HUMIDITY	75	80	75	
WIND DIRECTION	SOUTH	WEST	NORTHWEST	
WIND SPEED	8.0	2.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT GLUFOSINATE TOLE 05-19-96	HGH/NA ****/****	HGH/12 6.00/8.00	HGH/16 16.0/16.0	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/12 1.00/1.00	HGH/NA ****/****	IN
PIGWEEED, SMOOTH	HGH/NA ****/****	HGH/12 2.00/2.00	HGH/NA ****/****	IN
RAGWEEED, COMMON	HGH/NA ****/****	HGH/12 1.00/2.00	HGH/NA ****/****	IN
MORNINGGLORY, TA	HGH/NA ****/****	HGH/10 1.00/1.00	HGH/12 1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/12 2.00/3.00	HGH/00 ****/****	IN
COCKLEBUR, COMMO	HGH/NA ****/****	HGH/12 2.00/3.00	HGH/NA ****/****	IN

\* TIMING CODES

09 = PREEMERGENCE  
11 = EPOST  
13 = LPOST

\* STAGE CODE

00 = DRY SEED (DORMANT)  
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	AMACH	XANST	PHBPU	
	RATE	UNIT	TM	CON % 06-25-96	CON % 06-25-96	CON % 06-25-96	CON % 06-25-96	CON % 06-25-96	CON % 06-25-96	
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
2AELIBERTY	0.267	LAA	11	0	92	88	93	98	92	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
3AELIBERTY	0.356	LAA	11	0	93	95	96	99	96	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
4AELIBERTY	0.356	LAA	11	0	93	90	93	98	96	
BECULTIVATE 14DAT	0.00	NA	0							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
5AELIBERTY	0.267	LAA	11	0	92	92	93	98	92	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
C ELIBERTY	0.267	LAA	13							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13							
6AELIBERTY	0.356	LAA	11	0	95	96	96	99	93	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
C ELIBERTY	0.267	LAA	13							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13							
7AELIBERTY	0.356	LAA	11	0	93	98	99	96	98	
B ATRAZINE 90DF (WG)	1.00	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
8A ATRAZINE 90DF (WG)	1.5	LAA	9	2	82	95	99	98	98	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
9A DUAL II (7.8EC)	2.25	LAA	9	2	93	88	99	93	90	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
10A FRONTIER 6.0EC	1.29	LAA	9	0	88	88	95	93	96	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
11A FRONTIER 6.0EC	0.94	LAA	9	0	85	88	99	98	87	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
12A FRONTIER 6.0EC	0.94	LAA	11	5	93	95	98	99	99	
B ELIBERTY	0.356	LAA	11							
C CLARITY (4SL)	0.5	LAA	11							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
13A ELIBERTY	0.356	LAA	11	5	92	95	99	99	95	
B CLARITY (4SL)	0.5	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
14A EBICEP II	4.13	LAA	9	0	88	82	99	99	87	
15A FRONTIER 6.0EC	1.29	LAA	9	7	88	93	98	99	90	
B CLARITY (4SL)	0.5	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
16A ACCENT (75WG)	0.031	LAA	11	13	95	95	99	98	92	
B BUCTRIL GEL (4EC)	0.25	LAA	11							
C ACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	LAA	11							
				LSD (0.05)	3.9	5.4	7.4	4.0	3.4	4.9
				STANDARD DEVIATION	4.1	22.5	22.9	23.7	23.7	23.0

TRT COMPOUND NUM TESTED	DOSAGE			AMBEL	ZEAMD	SETFA	ABUTH	AMACH	XANST	
	RATE	UNIT	TM	CON % 06-25-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
2A ELIBERTY	0.267	LAA	11	99	0	87	90	95	96	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
3A ELIBERTY	0.356	LAA	11	99	0	85	88	92	98	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
4A ELIBERTY	0.356	LAA	11	99	0	95	96	98	99	
B ECULTIVATE 14DAT	0.00	NA	0							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
5A ELIBERTY	0.267	LAA	11	98	0	96	98	98	99	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
C ELIBERTY	0.267	LAA	13							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13							
6A ELIBERTY	0.356	LAA	11	99	0	95	96	99	99	
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
C ELIBERTY	0.267	LAA	13							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13							
7A ELIBERTY	0.356	LAA	11	99	0	90	95	98	99	
B ATRAZINE 90DF (WG)	1.00	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
8A ATRAZINE 90DF (WG)	1.5	LAA	9	99	0	75	96	99	98	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
9A DUAL II (7.8EC)	2.25	LAA	9	99	0	95	90	98	98	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
10A FRONTIER 6.0EC	1.29	LAA	9	99	0	88	90	95	96	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
11A FRONTIER 6.0EC	0.94	LAA	9	99	0	85	83	95	99	
B ELIBERTY	0.356	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
12A FRONTIER 6.0EC	0.94	LAA	11	99	0	92	95	98	99	
B ELIBERTY	0.356	LAA	11							
C CLARITY (4SL)	0.5	LAA	11							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
13A ELIBERTY	0.356	LAA	11	99	0	87	88	96	99	
B CLARITY (4SL)	0.5	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
14A BICEP II	4.13	LAA	9	98	0	87	87	98	98	
15A FRONTIER 6.0EC	1.29	LAA	9	99	0	83	90	96	99	
B CLARITY (4SL)	0.5	LAA	11							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11							
16A ACCENT (75WG)	0.031	LAA	11	98	3	90	85	96	99	
B BUCTRIL GEL (4EC)	0.25	LAA	11							
C ACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	LAA	11							
				LSD (0.05)	1.6	2.4	7.3	7.8	4.5	3.5
				STANDARD DEVIATION	23.9	1.4	22.4	22.8	23.6	23.9

TRT COMPOUND NUM TESTED	DOSAGE		TM	PHBPU	AMBEL
	RATE	UNIT		CON % 07-15-96	CON % 07-15-96
1A UNTREATED CHECK	0.00	NA	0	0	0
2A ELIBERTY	0.267	LAA	11	92	98
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
3A ELIBERTY	0.356	LAA	11	95	98
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
4A ELIBERTY	0.356	LAA	11	96	99
B ECULTIVATE 14DAT	0.00	NA	0		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
5A ELIBERTY	0.267	LAA	11	98	99
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
C ELIBERTY	0.267	LAA	13		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13		
6A ELIBERTY	0.356	LAA	11	99	99
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
C ELIBERTY	0.267	LAA	13		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13		
7A ELIBERTY	0.356	LAA	11	96	99
B ATRAZINE 90DF (WG)	1.00	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
8A ATRAZINE 90DF (WG)	1.5	LAA	9	96	99
B ELIBERTY	0.356	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
9A DUAL II (7.8EC)	2.25	LAA	9	95	98
B ELIBERTY	0.356	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
10A FRONTIER 6.0EC	1.29	LAA	9	96	99
B ELIBERTY	0.356	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
11A FRONTIER 6.0EC	0.94	LAA	9	87	99
B ELIBERTY	0.356	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
12A FRONTIER 6.0EC	0.94	LAA	11	98	99
B ELIBERTY	0.356	LAA	11		
C CLARITY (4SL)	0.5	LAA	11		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
13A ELIBERTY	0.356	LAA	11	92	99
B CLARITY (4SL)	0.5	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
14A BICEP II	4.13	LAA	9	96	99
15A FRONTIER 6.0EC	1.29	LAA	9	93	99
B CLARITY (4SL)	0.5	LAA	11		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
16A ACCENT (75WG)	0.031	LAA	11	88	96
B BUCTRIL GEL (4EC)	0.25	LAA	11		
C ACTIVATE PLUS	0.25	PMV	11		
D FERTILIZER - 28%UAN	2.5	LAA	11		

LSD (0.05) 6.0 1.9  
STANDARD DEVIATION 23.3 23.9

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN I.R. CORN APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.7  
 %OM: 5.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 31 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-14-96	MDY
AIR TEMPERATURE	80	83	½F
% REL.HUMIDITY	70	80	
WIND DIRECTION	SOUTH	WEST	
WIND SPEED	8.0	2.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/12	
PIONEER 3417IR	****/****	6.00/8.00	IN
05-19-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/10	
	****/****	1.00/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	
	****/****	1.00/1.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	2.00/3.00	IN
COCKLEBUR, COMMO	HGH/NA	HGH/12	
	****/****	2.00/3.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST

\* STAGE CODE

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	XANST	ABUTH	PHBPU	POLPY	
	RATE	UNIT		CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	
1A SURPASS 100 (5SC) BÉCONTOUR	1.63 0.56	LAA LAA	9 9	5	82	90	88	83	99	
2A SURPASS (6.4EC) BÉRESOLVE CÉSUNIT II D FERTILIZER - 28%UAN	1.2 0.25 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	2	95	99	95	88	99	
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
4A SURPASS 100 (5SC) BÉRESOLVE CÉSUNIT II D FERTILIZER - 28%UAN	1.63 0.25 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	0	96	99	96	92	99	
5AÉHARNESS EXTRA 5.6	3.5	LAA	9	0	85	93	87	85	95	
6A HARNES (7EC) B BANVEL (4SL) C FERTILIZER - 28%UAN	1.8 0.5 1.25	LAA LAA PMV	9 11 11	2	72	99	85	78	99	
7AÉLIGHTNING 70DG BÉSUNIT II C FERTILIZER - 28%UAN	0.056 0.75 1.25	LAA PMV PMV	11 11 11	0	87	99	92	83	99	
8AÉLIGHTNING 70DG B BANVEL (4SL) CÉSUNIT II D FERTILIZER - 28%UAN	0.056 0.188 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	5	87	99	96	88	98	
9A PROWL 3.3EC BÉRESOLVE CÉSUNIT II D FERTILIZER - 28%UAN	1.25 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	3	93	93	92	88	99	
10A ACCENT (75WG) B BUCTRIL GEL (4EC) CÉACTIVATE PLUS D FERTILIZER - 28%UAN	0.031 0.25 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	3	87	90	93	90	99	
				LSD (0.05)	3.2	9.5	8.0	4.7	9.8	2.6
				STANDARD DEVIATION	2.4	27.3	29.2	27.8	26.6	29.6

TRT COMPOUND NUM TESTED	DOSAGE			AMACH	ZEAMD	SETFA	XANST	ABUTH	PHBPU	
	RATE	UNIT	TM	CON % 06-27-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	
1A SURPASS 100 (5SC) BÉCONTOUR	1.63 0.56	LAA LAA	9 9	99	0	85	96	95	88	
2A SURPASS (6.4EC) BÉRESOLVE CÉSUNIT II D FERTILIZER - 28%UAN	1.2 0.25 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	98	0	90	98	96	90	
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
4A SURPASS 100 (5SC) BÉRESOLVE CÉSUNIT II D FERTILIZER - 28%UAN	1.63 0.25 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	99	0	93	99	98	93	
5AÉHARNES EXTRA 5.6	3.5	LAA	9	99	0	83	99	83	90	
6A HARNES (7EC) B BANVEL (4SL) C FERTILIZER - 28%UAN	1.8 0.5 1.25	LAA LAA PMV	9 11 11	99	0	77	99	78	85	
7AELIGHTNING 70DG BÉSUNIT II C FERTILIZER - 28%UAN	0.056 0.75 1.25	LAA PMV PMV	11 11 11	99	0	88	99	99	82	
8AELIGHTNING 70DG B BANVEL (4SL) CÉSUNIT II D FERTILIZER - 28%UAN	0.056 0.188 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	99	0	92	99	98	95	
9A PROWL 3.3EC BÉRESOLVE CÉSUNIT II D FERTILIZER - 28%UAN	1.25 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	99	0	90	99	98	95	
10A ACCENT (75WG) B BUCTRIL GEL (4EC) CÉACTIVATE PLUS D FERTILIZER - 28%UAN	0.031 0.25 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	99	0	73	88	88	78	
				LSD (0.05) STANDARD DEVIATION	1.3 29.7	0.0 0.0	5.8 26.6	5.0 29.5	3.7 28.6	10.4 27.5

TRT COMPOUND NUM TESTED	DOSAGE		TM	POLPY	AMACH
	RATE	UNIT		CON % 07-15-96	CON % 07-15-96
1A SURPASS 100 (5SC)	1.63	LAA	9	99	98
BÉCONTOUR	0.56	LAA	9		
2A SURPASS (6.4EC)	1.2	LAA	9	99	98
BÉRESOLVE	0.25	LAA	11		
CÉSUNIT II	0.75	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		
3A UNTREATED CHECK	0.00	NA	0	0	0
4A SURPASS 100 (5SC)	1.63	LAA	9	99	99
BÉRESOLVE	0.25	LAA	11		
CÉSUNIT II	0.75	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		
5AÉHARNES EXTRA 5.6	3.5	LAA	9	99	96
6A HARNES (7EC)	1.8	LAA	9	99	99
B BANVEL (4SL)	0.5	LAA	11		
C FERTILIZER - 28%UAN	1.25	PMV	11		
7AÉLIGHTNING 70DG	0.056	LAA	11	99	99
BÉSUNIT II	0.75	PMV	11		
C FERTILIZER - 28%UAN	1.25	PMV	11		
8AÉLIGHTNING 70DG	0.056	LAA	11	99	99
B BANVEL (4SL)	0.188	LAA	11		
CÉSUNIT II	0.75	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		
9A PROWL 3.3EC	1.25	LAA	11	99	99
BÉRESOLVE	0.25	LAA	11		
CÉSUNIT II	0.75	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		
10A ACCENT (75WG)	0.031	LAA	11	99	98
B BUCTRIL GEL (4EC)	0.25	LAA	11		
CÉACTIVATE PLUS	0.25	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		

LSD (0.05) 0.0 3.6  
STANDARD DEVIATION 29.7 29.5

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.5  
 %OM: 4.0  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-12-96	06-18-96	06-24-96	MDY
AIR TEMPERATURE	84	70	85	80	½F
% REL.HUMIDITY	50	75	75	70	
WIND DIRECTION	NA/NONE	NORTH	WEST	NORTHWEST	
WIND SPEED	0.0	3.0	7.0	3.0	M/H
SKY CONDITION	CLEAR	CLOUDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	DRY	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	32.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP *** CORN, DENT PIONEER 3394 05-22-96	HGH/NA ****/****	HGH/11 4.00/4.00	HGH/13 8.00/8.00	HGH/16 16.0/16.0	IN
*** PEST *** FOXTAIL, GIANT	HGH/NA ****/****	HGH/12 1.00/2.00	HGH/13 2.00/4.00	HGH/14 4.00/8.00	IN

\* TIMING CODES

- 09 = PREEMERGENCE
- 10 = VEPOST
- 11 = EPOST
- 12 = POST

\* STAGE CODE

- 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
- 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ZEAMD	SETFA	YIELD	
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-22-96	CON % 07-22-96	BU/A 10-21-96	
1A DUAL II (7.8EC)	2.19	LAA	9	0	94	0	98	150.3	
B BANVEL (4SL)	0.5	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
2AEBASIS	0.016	LAA	10	0	98	0	97	189.9	
B ECOC	1.00	PMV	10						
C FERTILIZER - 28%UAN	2.5	PMV	10						
D ECULTIVATE 14DAT	0.00	NA	0						
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	127.7	
4AEBASIS	0.016	LAA	10	0	98	0	99	167.3	
B ATRAZINE 90DF (WG)	0.75	LAA	10						
C ECOC	1.00	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
E ECULTIVATE 14DAT	0.00	NA	0						
5AEBASIS	0.016	LAA	10	0	98	0	99	182.7	
B BANVEL (4SL)	0.063	LAA	10						
C ECOC	1.00	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
E ECULTIVATE 14DAT	0.00	NA	0						
6AEBASIS	0.016	LAA	11	0	99	0	98	163.3	
B BANVEL (4SL)	0.063	LAA	11						
C ECOC	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
E ECULTIVATE 14DAT	0.00	NA	0						
7AEDPX-79406 75DF	0.023	LAA	11	0	98	0	99	172.2	
B ATRAZINE 90DF (WG)	0.75	LAA	11						
C ECOC	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
8A ACCENT (75WG)	0.031	LAA	11	0	98	0	96	158.4	
B BUCTRIL GEL (4EC)	0.25	PMV	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
9A ACCENT (75WG)	0.031	LAA	12	0	83	0	92	160.0	
B BUCTRIL GEL (4EC)	0.25	PMV	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
10A £HAND WEEDED	0.00	NA	0	0	99	0	99	189.9	
				LSD (0.05)	0.0	2.0	0.0	1.8	28.6
				STANDARD DEVIATION	0.0	29.2	0.0	29.3	22.9

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN NO-TILL SOYBEANS APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.1  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	04	05	06	09	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-08-96	04-25-96	05-06-96	05-23-96	06-17-96	MDY
AIR TEMPERATURE	42	64	55	73	80	1/2 F
% REL.HUMIDITY	30	70	75	75	80	
WIND DIRECTION	NORTHEAST	SOUTH	EAST	EAST	SOUTH	
WIND SPEED	5.0	12.0	2.0	5.0	8.0	M/H
SKY CONDITION	CLEAR	CLOUDY	CLOUDY	CLOUDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	MOIST	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP ***						
SOYBEAN	HGH/NA	HGH/NA	HGH/NA	HGH/NA	HGH/11	
PIONEER 9362	****/****	****/****	****/****	****/****	3.00/3.00	IN
05-23-96						
*** PEST ***						
LAMBSQUARTERS, C	HGH/NA	HGH/11	HGH/12	HGH/14	HGH/16	
	****/****	0.50/0.50	1.00/1.00	1.00/2.00	2.00/3.00	IN
HORSEWEED	HGH/NA	HGH/12	HGH/14	HGH/16	HGH/19	
	****/****	1.00/1.00	2.00/2.00	3.00/3.00	3.00/5.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/10	HGH/13	HGH/15	HGH/17	
	****/****	0.50/1.00	1.00/2.00	2.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/11	HGH/12	HGH/13	
	****/****	****/****	1.00/1.00	2.00/3.00	3.00/4.00	IN

## APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.1  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	06	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-21-96	MDY
AIR TEMPERATURE	82	½F
% REL.HUMIDITY	80	
WIND DIRECTION	SOUTH	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9362	4.00/5.00	IN
05-23-96		
*** PEST ***		
LAMBSQUARTERS, C	HGH/19	
	3.00/5.00	IN
HORSEWEED	HGH/19	
	4.00/8.00	IN
SMARTWEED, PENNS	HGH/19	
	3.00/5.00	IN
FOXTAIL, GIANT	HGH/14	
	3.00/5.00	IN

## \* TIMING CODES

04 = VEPP 30 DBP  
 05 = VEPP 15 DBP  
 06 = VEPP 7 DBP  
 09 = PREEMERGENCE  
 11 = EPOST  
 12 = POST

## \* STAGE CODE

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ERICA	CHEAL	POLPY	GLXMA
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-31-96
1A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	57	82	75	80	0
2A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	3	72	96	98	99	0
B GALAXY (3.67SL)	0.92	LAA	12						
C ECOC	1.00	PMV	12						
3A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	65	98	99	99	0
B CANOPY (75WG)	0.141	LAA	4						
4A EFIRSTRATE 84WG	0.039	LAA	4	0	72	88	99	99	0
B DUAL II (7.8EC)	2.00	LAA	4						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A AUTHORITY	0.375	LAA	4	0	82	91	91	82	0
B SENCOR DF (75WG)	0.23	LAA	4						
C DUAL II (7.8EC)	2.00	LAA	4						
7A COMMAND 3ME	0.75	LAA	5	0	68	67	84	80	0
B AUTHORITY	0.375	LAA	5						
8A AUTHORITY	0.313	LAA	5	0	98	93	84	87	0
B SENCOR DF (75WG)	0.188	LAA	5						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
9A AUTHORITY	0.375	LAA	5	0	99	99	99	98	0
B SENCOR DF (75WG)	0.23	LAA	5						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
10A AUTHORITY	0.313	LAA	5	0	74	99	99	96	0
B SENCOR DF (75WG)	0.188	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
11A AUTHORITY	0.375	LAA	5	0	83	92	95	96	0
B SENCOR DF (75WG)	0.23	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
12A AUTHORITY	0.2	LAA	5	0	67	90	87	93	0
B EF6025 25WG	0.04	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
13A AUTHORITY	0.26	LAA	5	0	78	95	93	97	0
B EF6025 25WG	0.052	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
14A EFIRSTRATE 84WG	0.039	LAA	5	0	90	91	96	98	0
B DUAL II (7.8EC)	2.00	LAA	5						
15A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	83	47	53	50	0
16A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	7	84	94	87	99	0
B GALAXY (3.67SL)	0.92	LAA	12						
C ECOC	1.00	PMV	12						
17A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	88	58	77	93	0
B CANOPY (75WG)	0.141	LAA	9						
18A EFIRSTRATE 84WG	0.039	LAA	9	0	96	82	96	98	0
B DUAL II (7.8EC)	2.00	LAA	9						
19A COMMAND 3ME	0.75	LAA	6	0	53	50	72	67	0
B AUTHORITY	0.375	LAA	6						
20A AUTHORITY	0.313	LAA	6	0	99	99	97	99	0
B SENCOR DF (75WG)	0.188	LAA	6						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
21A AUTHORITY	0.375	LAA	6	0	98	99	99	98	0
B SENCOR DF (75WG)	0.23	LAA	6						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						



TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	ERICA	CHEAL	POLPY	GLXMA	
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %	
				07-01-96	07-01-96	07-01-96	07-01-96	07-01-96	07-31-96	
22A	0.313	LAA	6	0	79	99	99	99	0	
B SENCOR DF (75WG)	0.188	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
23A	0.375	LAA	6	0	83	99	99	99	0	
B SENCOR DF (75WG)	0.23	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
24A	0.2	LAA	6	0	84	96	99	99	0	
B EF6025 25WG	0.04	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
25A	0.26	LAA	6	0	87	95	99	99	0	
B EF6025 25WG	0.052	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
26A	0.00	LAA	6	0	90	95	99	99	0	
B PURSUIT PLUS (2.9EC)	0.91	LAA	6							
C SCEPTER 70DG (WG)	0.062	LAA	6							
D PROWL 3.3EC	0.4	LAA	6							
27A	0.91	LAA	6	0	77	67	79	90	0	
B PROWL 3.3EC	0.4	LAA	6							
28A	1.25	LAA	6	2	99	73	85	95	0	
B PURSUIT (2SL)	0.063	LAA	11							
C SUNIT II	0.75	LAA	11							
D FERTILIZER - 28%UAN	1.25	LAA	11							
29A	1.25	LAA	6	3	99	70	88	97	0	
B ERAPTOR 1AS	0.04	LAA	11							
C SUNIT II	0.75	LAA	11							
D FERTILIZER - 28%UAN	1.25	LAA	11							
30A	0.04	LAA	11	2	98	84	88	97	0	
B SUNIT II	0.75	LAA	11							
C FERTILIZER - 28%UAN	1.25	LAA	11							
				LSD (0.05)	1.9	7.1	6.9	5.1	5.1	0.0
				STANDARD DEVIATION	1.7	19.9	21.7	19.5	20.0	0.0

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ERICA	CHEAL	POLPY
	RATE	UNIT	TM	CON % 07-31-96	CON % 07-31-96	CON % 07-31-96	CON % 07-31-96
1A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	57	75	82	67
2A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	77	86	92	88
B GALAXY (3.67SL)	0.92	LAA	12				
C ECOC	1.00	PMV	12				
3A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	76	93	93	94
B CANOPY (75WG)	0.141	LAA	4				
4A EFIRSTRATE 84WG	0.039	LAA	4	93	84	92	94
B DUAL II (7.8EC)	2.00	LAA	4				
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0
6A AUTHORITY	0.375	LAA	4	91	89	92	92
B SENCOR DF (75WG)	0.23	LAA	4				
C DUAL II (7.8EC)	2.00	LAA	4				
7A COMMAND 3ME	0.75	LAA	5	72	67	89	93
B AUTHORITY	0.375	LAA	5				
8A AUTHORITY	0.313	LAA	5	98	92	97	98
B SENCOR DF (75WG)	0.188	LAA	5				
C POAST PLUS (1EC)	0.188	LAA	12				
D ECOC	1.00	PMV	12				
9A AUTHORITY	0.375	LAA	5	98	95	97	98
B SENCOR DF (75WG)	0.23	LAA	5				
C POAST PLUS (1EC)	0.188	LAA	12				
D ECOC	1.00	PMV	12				
10A AUTHORITY	0.313	LAA	5	75	90	91	88
B SENCOR DF (75WG)	0.188	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
11A AUTHORITY	0.375	LAA	5	82	85	91	91
B SENCOR DF (75WG)	0.23	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
12A AUTHORITY	0.2	LAA	5	68	93	93	93
B EF6025 25WG	0.04	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
13A AUTHORITY	0.26	LAA	5	84	96	97	98
B EF6025 25WG	0.052	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
14A EFIRSTRATE 84WG	0.039	LAA	5	93	84	93	93
B DUAL II (7.8EC)	2.00	LAA	5				
15A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	73	57	63	53
16A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	77	83	74	84
B GALAXY (3.67SL)	0.92	LAA	12				
C ECOC	1.00	PMV	12				
17A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	87	67	92	89
B CANOPY (75WG)	0.141	LAA	9				
18A EFIRSTRATE 84WG	0.039	LAA	9	97	72	88	89
B DUAL II (7.8EC)	2.00	LAA	9				
19A COMMAND 3ME	0.75	LAA	6	57	47	75	78
B AUTHORITY	0.375	LAA	6				
20A AUTHORITY	0.313	LAA	6	98	98	94	98
B SENCOR DF (75WG)	0.188	LAA	6				
C POAST PLUS (1EC)	0.188	LAA	12				
D ECOC	1.00	PMV	12				
21A AUTHORITY	0.375	LAA	6	98	98	98	97
B SENCOR DF (75WG)	0.23	LAA	6				
C POAST PLUS (1EC)	0.188	LAA	12				
D ECOC	1.00	PMV	12				

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ERICA	CHEAL	POLPY	
	RATE	UNIT		CON % 07-31-96	CON % 07-31-96	CON % 07-31-96	CON % 07-31-96	
22A AUTHORITY	0.313	LAA	6	87	97	98	97	
B SENCOR DF (75WG)	0.188	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
23A AUTHORITY	0.375	LAA	6	83	93	94	96	
B SENCOR DF (75WG)	0.23	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
24A AUTHORITY	0.2	LAA	6	83	72	99	98	
B EF6025 25WG	0.04	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
25A AUTHORITY	0.26	LAA	6	83	84	99	98	
B EF6025 25WG	0.052	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
26A STEEL CP	0.00	LAA	6	98	87	99	99	
B PURSUIT PLUS (2.9EC)	0.91	LAA	6					
C SCEPTER 700G (WG)	0.062	LAA	6					
D PROWL 3.3EC	0.4	LAA	6					
27A PURSUIT PLUS (2.9EC)	0.91	LAA	6	91	58	84	91	
B PROWL 3.3EC	0.4	LAA	6					
28A PROWL 3.3EC	1.25	LAA	6	93	57	88	92	
B PURSUIT (2SL)	0.063	LAA	11					
C SUNIT II	0.75	LAA	11					
D FERTILIZER - 28%UAN	1.25	LAA	11					
29A PROWL 3.3EC	1.25	LAA	6	99	60	89	94	
B ERAPTOR 1AS	0.04	LAA	11					
C SUNIT II	0.75	LAA	11					
D FERTILIZER - 28%UAN	1.25	LAA	11					
30A ERAPTOR 1AS	0.04	LAA	11	99	70	85	93	
B SUNIT II	0.75	LAA	11					
C FERTILIZER - 28%UAN	1.25	LAA	11					
				LSD (0.05)	6.8	8.1	6.0	6.0
				STANDARD DEVIATION	19.6	20.6	18.3	19.2

£ = SUPPLEMENTAL CHEMICAL

SELECT BURNDOWN IN NO-TILL SOYBEANS APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.1  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	06	
TYPE	LIQMXSPR	
APPLICATION DATE	05-06-96	MDY
AIR TEMPERATURE	55	½F
% REL.HUMIDITY	75	
WIND DIRECTION	EAST	
WIND SPEED	2.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-23-96		
*** PEST ***		
HENBIT	HGH/18	
	1.00/1.00	IN
SMARTWEED, PENNS	HGH/13	
	2.00/3.00	IN
FOXTAIL, GIANT	HGH/11	
	1.00/1.00	IN
DANDELION, COMMO	HGH/18	
	2.00/2.00	IN

\* TIMING CODES

06 = VEPP 7 DBP

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	LAMAM	TAROF	SETFA	POLPY
	RATE	UNIT	TM	CON % 05-30-96	CON % 05-30-96	CON % 05-30-96	CON % 05-30-96	CON % 06-20-96	CON % 06-20-96
1A SELECT (2EC)	0.031	LAA	6	98	77	82	83	73	72
BE2,4-D LVE	0.5	LAA	6						
CECOC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
2A SELECT (2EC)	0.043	LAA	6	99	73	72	83	78	73
BE2,4-D LVE	0.5	LAA	6						
CECOC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
3A SELECT (2EC)	0.063	LAA	6	99	67	67	70	80	70
BE2,4-D LVE	0.5	LAA	6						
CECOC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A SELECT (2EC)	0.074	LAA	6	99	73	73	65	82	67
BE2,4-D LVE	0.5	LAA	6						
CECOC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
6A SELECT (2EC)	0.094	LAA	6	99	78	78	67	88	75
BE2,4-D LVE	0.5	LAA	6						
CECOC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
7A SELECT (2EC)	0.043	LAA	6	99	78	62	60	91	73
B PROWL 3.3EC	1.00	LAA	6						
CE2,4-D LVE	0.5	LAA	6						
DECOC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
8A SELECT (2EC)	0.063	LAA	6	99	78	50	65	92	79
B PROWL 3.3EC	1.00	LAA	6						
CE2,4-D LVE	0.5	LAA	6						
DECOC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
9A SELECT (2EC)	0.063	LAA	6	99	0	0	0	83	0
BECOC	1.00	PMV	6						
C FERTILIZER - 28%UAN	1.25	PMV	6						
10A SELECT (2EC)	0.063	LAA	6	99	99	99	99	95	99
B CANOPY (75WG)	0.28	LAA	6						
CE2,4-D LVE	0.5	LAA	6						
DECOC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
11A SELECT (2EC)	0.046	LAA	6	99	99	99	99	97	99
B CANOPY (75WG)	0.28	LAA	6						
CE2,4-D LVE	0.5	LAA	6						
DECOC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
12A SELECT (2EC)	0.046	LAA	6	99	99	87	67	50	77
B SENCOR OF (75WG)	0.094	LAA	6						
CE2,4-D LVE	0.5	LAA	6						
DECOC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
13AEROUNDUP ULTRA 3AS	0.38	LAA	6	99	99	99	99	53	90
BE2,4-D LVE	0.5	LAA	6						
CEACTIVATE PLUS	0.25	PMV	6						
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
		LSD (0.05)		0.5	7.7	15.1	12.9	7.9	8.4
		STANDARD DEVIATION		26.4	32.4	32.6	31.8	25.8	30.7

TRT COMPOUND NUM TESTED	DOSAGE			LAMAM	TAROF
	RATE	UNIT	TM	CON % 06-20-96	CON % 06-20-96
1A SELECT (2EC)	0.031	LAA	6	83	83
BE2,4-D LVE	0.5	LAA	6		
CECOC	1.00	PMV	6		
D FERTILIZER - 28%UAN	1.25	PMV	6		
2A SELECT (2EC)	0.043	LAA	6	73	77
BE2,4-D LVE	0.5	LAA	6		
CECOC	1.00	PMV	6		
D FERTILIZER - 28%UAN	1.25	PMV	6		
3A SELECT (2EC)	0.063	LAA	6	70	75
BE2,4-D LVE	0.5	LAA	6		
CECOC	1.00	PMV	6		
D FERTILIZER - 28%UAN	1.25	PMV	6		
4A UNTREATED CHECK	0.00	NA	0	0	0
5A SELECT (2EC)	0.074	LAA	6	73	78
BE2,4-D LVE	0.5	LAA	6		
CECOC	1.00	PMV	6		
D FERTILIZER - 28%UAN	1.25	PMV	6		
6A SELECT (2EC)	0.094	LAA	6	70	72
BE2,4-D LVE	0.5	LAA	6		
CECOC	1.00	PMV	6		
D FERTILIZER - 28%UAN	1.25	PMV	6		
7A SELECT (2EC)	0.043	LAA	6	73	77
B PROWL 3.3EC	1.00	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
E FERTILIZER - 28%UAN	1.25	PMV	6		
8A SELECT (2EC)	0.063	LAA	6	78	70
B PROWL 3.3EC	1.00	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
E FERTILIZER - 28%UAN	1.25	PMV	6		
9A SELECT (2EC)	0.063	LAA	6	0	0
BECOC	1.00	PMV	6		
C FERTILIZER - 28%UAN	1.25	PMV	6		
10A SELECT (2EC)	0.063	LAA	6	99	99
B CANOPY (75WG)	0.28	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
E FERTILIZER - 28%UAN	1.25	PMV	6		
11A SELECT (2EC)	0.046	LAA	6	99	99
B CANOPY (75WG)	0.28	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
E FERTILIZER - 28%UAN	1.25	PMV	6		
12A SELECT (2EC)	0.046	LAA	6	77	47
B SENCOR DF (75WG)	0.094	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
E FERTILIZER - 28%UAN	1.25	PMV	6		
13AEROUNDUP ULTRA 3AS	0.38	LAA	6	96	98
BE2,4-D LVE	0.5	LAA	6		
CEACTIVATE PLUS	0.25	PMV	6		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
		LSD (0.05)		9.0	8.6
		STANDARD DEVIATION		31.3	31.9

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.1  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	06	
TYPE	LIQMXSPR	
APPLICATION DATE	05-06-96	MDY
AIR TEMPERATURE	55	½F
% REL. HUMIDITY	75	
WIND DIRECTION	EAST	
WIND SPEED	2.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-23-96		
*** PEST ***		
HENBIT	HGH/18	
	1.00/2.00	IN
SMARTWEED, PENNS	HGH/13	
	2.00/3.00	IN
FOXTAIL, GIANT	HGH/11	
	1.00/1.00	IN
DANDELION, COMMO	HGH/18	
	2.00/3.00	IN

## \* TIMING CODES

06 = VEPP 7 DBP

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	TAROF	POLPY	LAMAM	SETFA	TAROF	
	RATE	UNIT	TM	CON % 06-03-96	CON % 06-03-96	CON % 06-03-96	CON % 06-03-96	CON % 07-03-96	CON % 07-03-96	
1A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	85	57	85	73	93	73	
BE2,4-D LVE	0.5	LAA	6							
CEACTIVATE PLUS	0.125	PMV	6							
2A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	86	67	88	85	98	78	
B SENCOR DF (75WG)	0.094	LAA	6							
CEACTIVATE PLUS	0.125	PMV	6							
3A GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	92	73	90	82	98	78	
B SENCOR DF (75WG)	0.188	LAA	6							
CEACTIVATE PLUS	0.25	PMV	6							
4A GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	97	94	97	93	98	99	
B CANOPY (75WG)	0.094	LAA	6							
CEACTIVATE PLUS	0.125	PMV	6							
5AEROUNDUP ULTRA 3AS	0.38	LAA	6	94	98	97	97	98	97	
BE2,4-D LVE	0.5	LAA	6							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6							
6AEROUNDUP ULTRA 3AS	0.38	LAA	6	94	99	99	98	97	99	
B SENCOR DF (75WG)	0.188	LAA	6							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6							
7A TOUCHDOWN (6SL)	0.5	LAA	6	96	99	99	97	97	99	
BE2,4-D LVE	0.5	LAA	6							
CEACTIVATE PLUS	0.5	PMV	6							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6							
8A TOUCHDOWN (6SL)	0.75	LAA	6	96	97	88	87	96	99	
BE2,4-D LVE	0.5	LAA	6							
CEACTIVATE PLUS	0.5	PMV	6							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6							
9A TOUCHDOWN (6SL)	1.00	LAA	6	88	97	93	91	95	99	
BEACTIVATE PLUS	0.5	PMV	6							
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6							
10A TOUCHDOWN (6SL)	0.5	LAA	6	94	98	95	92	97	91	
B SENCOR DF (75WG)	0.188	LAA	6							
CEACTIVATE PLUS	0.25	PMV	6							
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6							
11A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
12A FUSION (2.66EC)	0.083	LAA	6	96	84	67	53	94	78	
BE2,4-D LVE	0.5	LAA	6							
CECOC	1.00	PMV	6							
13A SENCOR DF (75WG)	0.188	LAA	6	97	89	89	84	96	91	
B SELECT (2EC)	0.047	LAA	6							
CE2,4-D LVE	0.5	LAA	6							
DECOC	1.00	PMV	6							
E FERTILIZER - 28%UAN	1.25	PMV	6							
14A SENCOR DF (75WG)	0.141	LAA	6	96	92	91	81	96	93	
B FUSION (2.66EC)	0.083	LAA	6							
CE2,4-D LVE	0.5	LAA	6							
DECOC	1.00	PMV	6							
				LSD (0.05)	4.3	7.5	8.6	7.0	2.6	6.7
				STANDARD DEVIATION	24.4	26.3	25.0	25.1	24.9	25.2



TRT COMPOUND NUM TESTED	DOSAGE		TM	POLPY	LAMAM
	RATE	UNIT		CON % 07-03-96	CON % 07-03-96
1A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	91	85
BE2,4-D LVE	0.5	LAA	6		
CEACTIVATE PLUS	0.125	PMV	6		
2A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	90	84
B SENCOR DF (75WG)	0.094	LAA	6		
CEACTIVATE PLUS	0.125	PMV	6		
3A GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	95	91
B SENCOR DF (75WG)	0.188	LAA	6		
CEACTIVATE PLUS	0.25	PMV	6		
4A GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	99	99
B CANOPY (75WG)	0.094	LAA	6		
CEACTIVATE PLUS	0.125	PMV	6		
5AEROUNDUP ULTRA 3AS	0.38	LAA	6	99	99
BE2,4-D LVE	0.5	LAA	6		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
6AEROUNDUP ULTRA 3AS	0.38	LAA	6	99	99
B SENCOR DF (75WG)	0.188	LAA	6		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
7A TOUCHDOWN (6SL)	0.5	LAA	6	98	99
BE2,4-D LVE	0.5	LAA	6		
CEACTIVATE PLUS	0.5	PMV	6		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
8A TOUCHDOWN (6SL)	0.75	LAA	6	93	99
BE2,4-D LVE	0.5	LAA	6		
CEACTIVATE PLUS	0.5	PMV	6		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
9A TOUCHDOWN (6SL)	1.00	LAA	6	99	99
BEACTIVATE PLUS	0.5	PMV	6		
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
10A TOUCHDOWN (6SL)	0.5	LAA	6	99	99
B SENCOR DF (75WG)	0.188	LAA	6		
CEACTIVATE PLUS	0.25	PMV	6		
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
11A UNTREATED CHECK	0.00	NA	0	0	0
12A FUSION (2.66EC)	0.083	LAA	6	74	70
BE2,4-D LVE	0.5	LAA	6		
CECOC	1.00	PMV	6		
13A SENCOR DF (75WG)	0.188	LAA	6	94	88
B SELECT (2EC)	0.047	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
E FERTILIZER - 28%UAN	1.25	PMV	6		
14A SENCOR DF (75WG)	0.141	LAA	6	99	96
B FUSION (2.66EC)	0.083	LAA	6		
CE2,4-D LVE	0.5	LAA	6		
DECOC	1.00	PMV	6		
	LSD (0.05)			5.2	6.8
	STANDARD DEVIATION			25.3	25.5

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIX  
PH: 6.6  
%OM: 5.1  
PREV.CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	04	
TYPE	LIQMXSPR	
APPLICATION DATE	04-08-96	MDY
AIR TEMPERATURE	42	½F
% REL.HUMIDITY	30	
WIND DIRECTION	NORTHEAST	
WIND SPEED	5.0	M/H
SKY CONDITION	OVERCAST	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-23-96		
*** PEST ***		
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
HORSEWEED	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN
DANDELION, COMMO	HGH/NA	
	****/****	IN

\* TIMING CODES

04 = VEPP 30 DBP

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-28-96
	RATE	UNIT	TM	
1A BANVEL (4SL)	0.125	LAA	4	27.7
BÉFRONTIER 6.0EC	1.36	LAA	4	
CÉROUNDUP ULTRA 3AS	0.188	LAA	4	
2A BANVEL (4SL)	0.25	LAA	4	29.2
BÉFRONTIER 6.0EC	1.36	LAA	4	
CÉROUNDUP ULTRA 3AS	0.188	LAA	4	
3A BANVEL (4SL)	0.125	LAA	4	17.6
BÉ2,4-D LVE	0.25	LAA	4	
CÉFRONTIER 6.0EC	1.36	LAA	4	
DÉROUNDUP ULTRA 3AS	0.188	LAA	4	
4AÉ2,4-D LVE	0.5	LAA	4	24.1
BÉFRONTIER 6.0EC	1.36	LAA	4	
CÉROUNDUP ULTRA 3AS	0.188	LAA	4	
5AÉFRONTIER 6.0EC	1.36	LAA	4	29.5
BÉROUNDUP ULTRA 3AS	0.188	LAA	4	
6AÉSAN1412 720EC	1.5	LAA	4	25.1
BÉROUNDUP ULTRA 3AS	0.188	LAA	4	
7A UNTREATED CHECK	0.00	NA	0	26.9
		LSD (0.05)		9.3
		STANDARD DEVIATION		5.5

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-23-96	MDY
AIR TEMPERATURE	73	½F
% REL. HUMIDITY	75	
WIND DIRECTION	EAST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** PEST ***		
VELVETLEAF	HGH/11	
	1.00/1.00	IN
LAMBSQUARTERS, C	HGH/16	
	2.00/2.00	IN
FOXTAIL, GIANT	HGH/12	
	1.00/2.00	IN

## \* TIMING CODES

09 = PREEMERGENCE

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.094 lb Select, and 1.0% COC 6-19-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	CHEAL	ABUTH	SETFA	CHEAL	ABUTH
	RATE	UNIT		CON % 06-23-96	CON % 06-23-96	CON % 06-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A ROUNDUP (3SL) BEV-53482 50WP C SENCOR DF (75WG) DEACTIVATE PLUS	0.75 0.063 0.25 0.5	LAA LAA LAA PMV	9 9 9 9	82	82	88	70	72	82
2A ROUNDUP (3SL) BEV-53482 50WP C SENCOR DF (75WG) DEACTIVATE PLUS	0.75 0.063 0.38 0.5	LAA LAA LAA PMV	9 9 9 9	88	87	90	77	83	90
3A ROUNDUP (3SL) BEV-53482 50WP C SENCOR DF (75WG) DEACTIVATE PLUS	0.75 0.094 0.25 0.5	LAA LAA LAA PMV	9 9 9 9	78	78	87	72	77	85
4A ROUNDUP (3SL) BEV-53482 50WP C SENCOR DF (75WG) DEACTIVATE PLUS	0.75 0.094 0.38 0.5	LAA LAA LAA PMV	9 9 9 9	92	88	90	82	87	87
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ROUNDUP (3SL) BEV-53482 50WP C CLASSIC (25WG) DEACTIVATE PLUS	0.75 0.063 0.016 0.5	LAA LAA LAA PMV	9 9 9 9	82	88	92	70	88	93
7A ROUNDUP (3SL) BEV-53482 50WP C CLASSIC (25WG) DEACTIVATE PLUS	0.75 0.063 0.031 0.5	LAA LAA LAA PMV	9 9 9 9	92	90	93	73	91	93
8A ROUNDUP (3SL) BEV-53482 50WP C CLASSIC (25WG) DEACTIVATE PLUS	0.75 0.094 0.016 0.5	LAA LAA LAA PMV	9 9 9 9	88	90	92	77	88	88
9A ROUNDUP (3SL) BEV-53482 50WP C CLASSIC (25WG) DEACTIVATE PLUS	0.75 0.094 0.031 0.5	LAA LAA LAA PMV	9 9 9 9	95	88	92	80	88	95
10A ROUNDUP (3SL) BEV-53482 50WP C SCEPTER 70DG (WG) DEACTIVATE PLUS	0.75 0.063 0.125 0.5	LAA LAA LAA PMV	9 9 9 9	95	90	88	90	91	93
11A ROUNDUP (3SL) BEV-53482 50WP C SCEPTER 70DG (WG) DEACTIVATE PLUS	0.75 0.094 0.125 0.5	LAA LAA LAA PMV	9 9 9 9	95	90	90	87	83	95
12A ROUNDUP (3SL) BEV-53482 50WP CEACTIVATE PLUS	0.75 0.063 0.5	LAA LAA PMV	9 9 9	80	60	90	72	58	90
13A ROUNDUP (3SL) BEV-53482 50WP CEACTIVATE PLUS	0.75 0.094 0.5	LAA LAA PMV	9 9 9	88	85	92	75	77	88
14A ROUNDUP (3SL) B CANOPY (75WG) CEACTIVATE PLUS	0.75 0.23 0.5	LAA LAA PMV	9 9 9	85	88	85	83	95	98
15A ROUNDUP (3SL) B CLASSIC (25WG) CEV-53482 50WP DEACTIVATE PLUS	0.75 0.031 0.016 0.5	LAA LAA LAA PMV	9 9 9 9	90	88	90	77	91	90
16A ROUNDUP (3SL) B CLASSIC (25WG) CEV-53482 50WP DEACTIVATE PLUS	0.75 0.031 0.032 0.5	LAA LAA LAA PMV	9 9 9 9	90	87	88	82	87	87

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	CHEAL	ABUTH	SETFA	CHEAL	ABUTH	
	RATE	UNIT	TM	CON % 06-23-96	CON % 06-23-96	CON % 06-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
17A SELECT (2EC)	0.063	LAA	9	85	68	80	73	65	83	
BE2,4-D LVE	0.5	LAA	9							
CEV-53482 50WP	0.063	LAA	9							
DECOE	1.00	PMV	9							
18A SELECT (2EC)	0.063	LAA	9	80	63	88	67	47	77	
BE2,4-D LVE	0.5	LAA	9							
CEV-53482 50WP	0.032	LAA	9							
DECOE	1.00	PMV	9							
19A SELECT (2EC)	0.063	LAA	9	63	0	0	52	0	0	
BECOE	1.00	PMV	9							
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	9.6	16.1	6.9	14.4	13.1	10.7
				STANDARD DEVIATION	27.2	32.0	32.1	25.0	31.9	32.6

£ = SUPPLEMENTAL CHEMICAL

GRASS COMPETITION IN NO-TILL SOYBEANS APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 6  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-12-96	06-19-96	06-27-96	07-03-96	MDY
AIR TEMPERATURE	73	75	85	83	80	1/2 F
% REL.HUMIDITY	75	75	70	60	40	
WIND DIRECTION	EAST	NA/NONE	NA/NONE	NA/NONE	NORTH	
WIND SPEED	5.0	0.0	0.0	0.0	5.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP ***						
SOYBEAN	HGH/NA	HGH/10	HGH/11	HGH/12	HGH/13	
PIONEER 9362	****/****	2.00/3.00	3.00/4.00	5.00/5.00	6.00/6.00	IN
05-23-96						
*** PEST ***						
FOXTAIL, GIANT	HGH/NA	HGH/11	HGH/12	HGH/13	HGH/14	
	****/****	1.00/1.00	2.00/2.00	3.00/3.00	3.00/5.00	IN



## APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 6

APPL. NUMBER	06	UNIT
TIMINGS	14	
TYPE	LIQMXSPR	
APPLICATION DATE	07-10-96	MDY
AIR TEMPERATURE	80	½F
% REL.HUMIDITY	70	
WIND DIRECTION	NORTHWEST	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/14	
PIONEER 9362	8.00/8.00	IN
05-23-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/15	
	4.00/6.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
 10 = V.EARLY POST  
 11 = EPOST  
 12 = POST  
 13 = LPOST  
 14 = V.LATE POST

## \* STAGE CODE

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	SETFA	SETFA	YIELD	
	RATE	UNIT	TM	CON % 06-07-96	CON % 06-24-96	CON % 07-23-96	BU/A 10-28-96	
1A LASSO MICRO-TECH (4CS)	3.00	LAA	9	94	84	76	34.0	
2A LASSO MICRO-TECH (4CS)	3.00	LAA	9	91	99	92	32.4	
B POAST PLUS (1EC)	0.25	LAA	11					
C ECOC	1.25	PMV	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
3A POAST PLUS (1EC)	0.25	LAA	10	0	99	87	31.3	
B ECOC	1.25	PMV	10					
C FERTILIZER - 28%UAN	2.5	PMV	10					
4A POAST PLUS (1EC)	0.25	LAA	11	0	99	94	32.8	
B ECOC	1.25	PMV	11					
C FERTILIZER - 28%UAN	2.5	PMV	11					
5A POAST PLUS (1EC)	0.25	LAA	12	0	0	94	31.7	
B ECOC	1.25	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
6A POAST PLUS (1EC)	0.25	LAA	13	0	0	99	29.6	
B ECOC	1.25	PMV	13					
C FERTILIZER - 28%UAN	2.5	PMV	13					
7A POAST PLUS (1EC)	0.25	LAA	14	0	0	83	33.2	
B ECOC	1.25	PMV	14					
C FERTILIZER - 28%UAN	2.5	PMV	14					
8A UNTREATED CHECK	0.00	NA	0	0	0	0	34.8	
				LSD (0.05)	1.8	2.5	17.2	6.3
				STANDARD DEVIATION	40.2	47.9	33.1	5.2

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	07	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-21-96	MDY
AIR TEMPERATURE	87	84	½F
% REL. HUMIDITY	70	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	10.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/12	
PIONEER 9394	****/****	5.00/5.00	IN
05-20-96			
*** PEST ***			
PIGWEEED, SMOOTH	HGH/NA	HGH/13	
	****/****	1.00/1.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/15	
	****/****	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	1.00/3.00	IN

## \* TIMING CODES

07 = PREPLANT INCORPORATED  
 12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	POLPY	AMACH	CHEAL	GLXMA	
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-23-96	
1A COMMENCE EC (5.25EC)	1.25	LAA	7	0	94	99	99	99	0	
B CANOPY (75WG)	0.28	LAA	7							
2A COMMENCE EC (5.25EC)	1.25	LAA	7	2	93	99	99	80	0	
B PURSUIT (2SL)	0.031	LAA	12							
C ESUNIT II	0.75	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
3A COMMENCE EC (5.25EC)	1.25	LAA	7	2	88	99	99	99	0	
B AUTHORITY	0.313	LAA	7							
C SENCOR DF (75WG)	0.188	LAA	7							
4A TREFLAN MTF (4EC)	0.75	LAA	7	0	93	99	99	99	0	
B AUTHORITY	0.375	LAA	7							
C SENCOR DF (75WG)	0.225	LAA	7							
5A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	3	85	99	99	99	0	
6A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	8	89	99	99	99	2	
B GALAXY (3.67SL)	0.92	LAA	12							
C ECOC	1.00	PMV	12							
7A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	7	92	99	99	99	0	
B CANOPY (75WG)	0.141	LAA	7							
8A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	0	88	99	99	99	0	
9A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	7	83	99	99	99	3	
B GALAXY (3.67SL)	0.92	LAA	12							
C ECOC	1.00	PMV	12							
10A										
B										
11A EFIRSTRATE 84WG	0.031	LAA	7	2	88	99	99	99	0	
B TREFLAN MTF (4EC)	1.00	LAA	7							
12A EFIRSTRATE 84WG	0.039	LAA	7	0	90	99	99	99	0	
B TREFLAN MTF (4EC)	1.00	LAA	7							
13A TREFLAN MTF (4EC)	1.00	LAA	7	2	93	99	99	99	2	
B CANOPY (75WG)	0.28	LAA	7							
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
15A PURSUIT PLUS (2.9EC)	0.94	LAA	7	0	95	99	99	99	0	
B PROWL 3.3EC	0.41	LAA	7							
16A STEEL CP	0.00	LAA	7	2	97	99	99	99	0	
B PURSUIT PLUS (2.9EC)	0.91	LAA	7							
C SCEPTER 70DG (WG)	0.062	LAA	7							
D PROWL 3.3EC	0.41	LAA	7							
				LSD (0.05)	5.3	5.7	0.0	0.0	2.2	2.1
				STANDARD DEVIATION	3.7	30.3	32.7	32.7	32.6	1.4

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	AMACH	CHEAL
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A COMMENCE EC (5.25EC)	1.25	LAA	7	96	99	99	99
B CANOPY (75WG)	0.28	LAA	7				
2A COMMENCE EC (5.25EC)	1.25	LAA	7	97	99	99	96
B PURSUIT (2SL)	0.031	LAA	12				
C ESUNIT II	0.75	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
3A COMMENCE EC (5.25EC)	1.25	LAA	7	88	99	99	99
BEAUTHORITY	0.313	LAA	7				
C SENCOR DF (75WG)	0.188	LAA	7				
4A TREFLAN MTF (4EC)	0.75	LAA	7	91	99	99	99
BEAUTHORITY	0.375	LAA	7				
C SENCOR DF (75WG)	0.225	LAA	7				
5A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	89	99	99	99
6A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	87	99	99	99
B GALAXY (3.67SL)	0.92	LAA	12				
C ECOC	1.00	PMV	12				
7A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	94	99	99	99
B CANOPY (75WG)	0.141	LAA	7				
8A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	90	99	99	99
9A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	82	99	99	99
B GALAXY (3.67SL)	0.92	LAA	12				
C ECOC	1.00	PMV	12				
10A							
B							
11A EFIRSTRATE 84WG	0.031	LAA	7	93	99	99	99
B TREFLAN MTF (4EC)	1.00	LAA	7				
12A EFIRSTRATE 84WG	0.039	LAA	7	91	99	99	99
B TREFLAN MTF (4EC)	1.00	LAA	7				
13A TREFLAN MTF (4EC)	1.00	LAA	7	95	99	99	99
B CANOPY (75WG)	0.28	LAA	7				
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0
15A PURSUIT PLUS (2.9EC)	0.94	LAA	7	97	99	99	99
B PROWL 3.3EC	0.41	LAA	7				
16A ESTEEL CP	0.00	LAA	7	98	99	99	99
B PURSUIT PLUS (2.9EC)	0.91	LAA	7				
C SCEPTER 70DG (WG)	0.062	LAA	7				
D PROWL 3.3EC	0.41	LAA	7				
		LSD (0.05)		8.0	0.0	0.0	1.3
		STANDARD DEVIATION		31.0	32.7	32.7	32.7

£ = SUPPLEMENTAL CHEMICAL

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	POLPY	AMACH	CHEAL	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
1A COMMENCE EC (5.25EC)	1.25	LAA	7	96	99	99	99	
B CANOPY (75WG)	0.28	LAA	7					
2A COMMENCE EC (5.25EC)	1.25	LAA	7	97	99	99	96	
B PURSUIT (2SL)	0.031	LAA	12					
C ESUNIT II	0.75	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
3A COMMENCE EC (5.25EC)	1.25	LAA	7	88	99	99	99	
B AUTHORITY	0.313	LAA	7					
C SENCOR DF (75WG)	0.188	LAA	7					
4A TREFLAN MTF (4EC)	0.75	LAA	7	91	99	99	99	
B AUTHORITY	0.375	LAA	7					
C SENCOR DF (75WG)	0.225	LAA	7					
5A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	89	99	99	99	
6A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	87	99	99	99	
B GALAXY (3.67SL)	0.92	LAA	12					
C ECOC	1.00	PMV	12					
7A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	94	99	99	99	
B CANOPY (75WG)	0.141	LAA	7					
8A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	90	99	99	99	
9A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	82	99	99	99	
B GALAXY (3.67SL)	0.92	LAA	12					
C ECOC	1.00	PMV	12					
10A								
B								
11A EFIRSTRATE 84WG	0.031	LAA	7	93	99	99	99	
B TREFLAN MTF (4EC)	1.00	LAA	7					
12A EFIRSTRATE 84WG	0.039	LAA	7	91	99	99	99	
B TREFLAN MTF (4EC)	1.00	LAA	7					
13A TREFLAN MTF (4EC)	1.00	LAA	7	95	99	99	99	
B CANOPY (75WG)	0.28	LAA	7					
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
15A PURSUIT PLUS (2.9EC)	0.94	LAA	7	97	99	99	99	
B PROWL 3.3EC	0.41	LAA	7					
16A STEEL CP	0.00	LAA	7	98	99	99	99	
B PURSUIT PLUS (2.9EC)	0.91	LAA	7					
C SCEPTER 70DG (WG)	0.062	LAA	7					
D PROWL 3.3EC	0.41	LAA	7					
				LSD (0.05)	8.0	0.0	0.0	1.3
				STANDARD DEVIATION	31.0	32.7	32.7	32.7

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE WEED CONTROL IN SOYBEANS I  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-17-96	06-21-96	MDY
AIR TEMPERATURE	89	80	85	½F
% REL. HUMIDITY	45	80	75	
WIND DIRECTION	SOUTH	SOUTH	SOUTH	
WIND SPEED	12.0	5.0	3.0	M/H
SKY CONDITION	OVERCAST	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9394	****/****	3.00/3.00	5.00/5.00	IN
05-20-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	2.00/3.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	2.00/2.00	IN
RAGWEEED, COMMON	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	1.00/2.00	2.00/3.00	IN
SIDA, PRICKLY	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	2.00/2.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST  
 12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMACH	AMBEL	ABUTH	SIDSP	
	RATE	UNIT	TM	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	
1A COMMAND 3ME B AUTHORITY	0.75 0.375	LAA LAA	9 9	5	96	99	96	98	98	
2A AUTHORITY B SENCOR DF (75WG) C POAST PLUS (1EC) DECOC	0.313 0.188 0.188 1.00	LAA LAA LAA PMV	9 9 12 12	5	99	99	96	98	99	
3A AUTHORITY B SENCOR DF (75WG) C POAST PLUS (1EC) DECOC	0.375 0.225 0.188 1.00	LAA LAA LAA PMV	9 9 12 12	8	99	99	96	99	96	
4A AUTHORITY B SENCOR DF (75WG) C DUAL II (7.8EC)	0.313 0.188 2.00	LAA LAA LAA	9 9 9	7	99	99	96	98	99	
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
6A AUTHORITY B SENCOR DF (75WG) C DUAL II (7.8EC)	0.375 0.225 2.00	LAA LAA LAA	9 9 9	28	99	99	98	98	99	
7A AUTHORITY BEF6025 25WG C DUAL II (7.8EC)	0.2 0.04 2.00	LAA LAA LAA	9 9 9	8	99	99	99	98	96	
8A AUTHORITY BEF6025 25WG C DUAL II (7.8EC)	0.26 0.052 2.00	LAA LAA LAA	9 9 9	15	99	99	99	99	99	
9A AUTHORITY BEF6025 25WG C COMMAND 3ME	0.2 0.04 0.75	LAA LAA LAA	9 9 9	13	99	99	99	99	99	
10A FIRSTRATE 84WG B DUAL II (7.8EC)	0.031 2.00	LAA LAA	9 9	10	99	99	99	99	96	
11A FIRSTRATE 84WG B DUAL II (7.8EC)	0.039 2.00	LAA LAA	9 9	5	99	99	99	99	99	
12A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	99	99	99	98	98	
13A BROADSTRIKE + DUAL (7.67SC) B CANOPY (75WG)	2.4 0.141	LAA LAA	9 9	2	99	99	99	99	99	
14A BROADSTRIKE + DUAL (7.67SC) B GALAXY (3.67SL) C ECOC	2.4 0.92 1.00	LAA LAA PMV	9 12 12	15	99	99	99	99	99	
15A PURSUIT PLUS (2.9EC) B PROWL 3.3EC	0.94 0.41	LAA LAA	9 9	2	98	99	99	99	98	
16A CANOPY (75WG) B DUAL II (7.8EC)	0.28 2.00	LAA LAA	9 9	0	99	99	99	99	99	
17A AUTHORITY B AXIOM	0.375 0.81	LAA LAA	9 9	32	99	99	99	99	96	
18A CANOPY (75WG) B AXIOM	0.28 0.81	LAA LAA	9 9	2	99	99	99	99	99	
19A AUTHORITY BEF6025 25WG C AXIOM	0.2 0.04 0.81	LAA LAA LAA	9 9 9	7	99	99	99	99	99	
20A PROWL 3.3EC B PURSUIT (2SL) C SUNIT II D FERTILIZER - 28%UAN	1.25 0.063 1.00 1.25	LAA LAA PMV PMV	9 11 11 11	8	99	99	99	98	98	
				LSL (0.05)	10.0	1.6	0.2	3.2	1.9	3.9
				STANDARD DEVIATION	9.8	21.6	21.6	21.5	21.5	21.5



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMACH	AMBEL	ABUTH	SIDSP	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
1AECOMMAND 3ME BEAUTHORITY	0.75 0.375	LAA LAA	9 9	0	96	99	91	98	95	
2AETHORITY B SENCOR DF (75WG) C POAST PLUS (1EC) DECOC	0.313 0.188 0.188 1.00	LAA LAA LAA PMV	9 9 12 12	0	99	99	89	99	95	
3AETHORITY B SENCOR DF (75WG) C POAST PLUS (1EC) DECOC	0.375 0.225 0.188 1.00	LAA LAA LAA PMV	9 9 12 12	0	99	99	96	93	93	
4AETHORITY B SENCOR DF (75WG) C DUAL II (7.8EC)	0.313 0.188 2.00	LAA LAA LAA	9 9 9	3	99	99	92	92	92	
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
6AETHORITY B SENCOR DF (75WG) C DUAL II (7.8EC)	0.375 0.225 2.00	LAA LAA LAA	9 9 9	23	99	99	99	99	99	
7AETHORITY BEF6025 25WG C DUAL II (7.8EC)	0.2 0.04 2.00	LAA LAA LAA	9 9 9	0	99	99	99	98	98	
8AETHORITY BEF6025 25WG C DUAL II (7.8EC)	0.26 0.052 2.00	LAA LAA LAA	9 9 9	10	98	99	99	99	98	
9AETHORITY BEF6025 25WG CECOMMAND 3ME	0.2 0.04 0.75	LAA LAA LAA	9 9 9	0	98	99	99	98	98	
10AEFIRSTRATE 84WG B DUAL II (7.8EC)	0.031 2.00	LAA LAA	9 9	3	98	99	98	95	93	
11AEFIRSTRATE 84WG B DUAL II (7.8EC)	0.039 2.00	LAA LAA	9 9	7	97	99	99	99	96	
12A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	96	99	99	99	99	
13A BROADSTRIKE + DUAL (7.67SC) B CANOPY (75WG)	2.4 0.141	LAA LAA	9 9	0	99	99	99	99	96	
14A BROADSTRIKE + DUAL (7.67SC) B GALAXY (3.67SL) CECOC	2.4 0.92 1.00	LAA LAA PMV	9 12 12	12	99	99	99	98	98	
15A PURSUIT PLUS (2.9EC) B PROWL 3.3EC	0.94 0.41	LAA LAA	9 9	0	98	99	99	98	96	
16A CANOPY (75WG) B DUAL II (7.8EC)	0.28 2.00	LAA LAA	9 9	0	99	99	99	99	98	
17AETHORITY BEAXIOM	0.375 0.81	LAA LAA	9 9	25	99	99	99	98	95	
18A CANOPY (75WG) BEAXIOM	0.28 0.81	LAA LAA	9 9	0	99	99	99	99	97	
19AETHORITY BEF6025 25WG CEAXIOM	0.2 0.04 0.81	LAA LAA LAA	9 9 9	5	98	99	99	99	96	
20A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.25 0.063 1.00 1.25	LAA LAA PMV PMV	9 11 11 11	0	99	99	99	98	93	
				LSD (0.05) STANDARD DEVIATION	7.5 8.3	2.8 21.5	0.2 21.6	7.3 21.8	3.6 21.4	5.1 21.2

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE WEED CONTROL IN SOYBEANS II  
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-20-96	MDY
AIR TEMPERATURE	90	½F
% REL. HUMIDITY	50	
WIND DIRECTION	SOUTH	
WIND SPEED	12.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9394	****/****	IN
05-20-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
PIGWEEED, SMOOTH	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

\* TIMING CODES

09 = PREEMERGENCE

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

Blanket post application of 0.10 lb Select 6-26-96

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	AMACH	CHEAL	GLXMA	
	RATE	UNIT	TM	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 06-20-96	CON % 07-18-96	
1A COBRA (2EC)	0.25	LAA	9	0	17	73	80	78	0	
2A COBRA (2EC)	0.3	LAA	9	2	30	73	94	88	0	
3A COBRA (2EC)	0.25	LAA	9	5	98	80	99	91	0	
B DUAL II (7.8EC)	2.00	LAA	9							
4A COBRA (2EC)	0.3	LAA	9	7	80	88	99	95	0	
B DUAL II (7.8EC)	2.00	LAA	9							
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
6A COBRA (2EC)	0.25	LAA	9	10	98	80	99	95	0	
B FRONTIER 6.0EC	1.00	LAA	9							
7A COBRA (2EC)	0.3	LAA	9	8	97	82	99	91	0	
B FRONTIER 6.0EC	1.00	LAA	9							
8A COBRA (2EC)	0.25	LAA	9	5	95	82	99	96	0	
B LASSO MICRO-TECH (4CS)	2.00	LAA	9							
9A COBRA (2EC)	0.3	LAA	9	10	99	90	99	98	0	
B LASSO MICRO-TECH (4CS)	2.00	LAA	9							
10A COBRA (2EC)	0.25	LAA	9	5	88	95	99	99	0	
B SENCOR DF (75WG)	0.25	LAA	9							
11A COBRA (2EC)	0.25	LAA	9	0	83	78	96	98	0	
B PROWL 3.3EC	1.00	LAA	9							
12A COBRA (2EC)	0.25	LAA	9	5	98	95	99	99	0	
B CLASSIC (25WG)	0.025	LAA	9							
C DUAL II (7.8EC)	2.00	LAA	9							
13A COBRA (2EC)	0.25	LAA	9	8	99	95	99	99	0	
B CANOPY (75WG)	0.24	LAA	9							
C DUAL II (7.8EC)	2.00	LAA	9							
14A DUAL II (7.8EC)	2.00	LAA	9	0	99	63	93	83	0	
15A FRONTIER 6.0EC	1.29	LAA	9	2	99	73	99	80	0	
16A AXIOM	0.81	LAA	9	7	96	85	95	92	0	
				LSD (0.05)	4.3	10.2	9.4	9.0	14.6	0.0
				STANDARD DEVIATION	4.1	32.1	22.2	24.2	24.3	0.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	AMACH	CHEAL	
	RATE	UNIT		CON % 07-18-06	CON % 07-18-96	CON % 07-18-96	CON % 07-18-96	
1A COBRA (2EC)	0.25	LAA	9	99	68	88	82	
2A COBRA (2EC)	0.3	LAA	9	99	70	94	80	
3A COBRA (2EC)	0.25	LAA	9	99	68	98	86	
B DUAL II (7.8EC)	2.00	LAA	9					
4A COBRA (2EC)	0.3	LAA	9	99	73	98	88	
B DUAL II (7.8EC)	2.00	LAA	9					
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
6A COBRA (2EC)	0.25	LAA	9	99	73	99	85	
B FRONTIER 6.0EC	1.00	LAA	9					
7A COBRA (2EC)	0.3	LAA	9	99	68	99	91	
B FRONTIER 6.0EC	1.00	LAA	9					
8A COBRA (2EC)	0.25	LAA	9	99	75	99	83	
B LASSO MICRO-TECH (4CS)	2.00	LAA	9					
9A COBRA (2EC)	0.3	LAA	9	99	78	99	93	
B LASSO MICRO-TECH (4CS)	2.00	LAA	9					
10A COBRA (2EC)	0.25	LAA	9	99	85	98	99	
B SENCOR DF (75WG)	0.25	LAA	9					
11A COBRA (2EC)	0.25	LAA	9	99	73	93	98	
B PROWL 3.3EC	1.00	LAA	9					
12A COBRA (2EC)	0.25	LAA	9	99	96	99	99	
B CLASSIC (25WG)	0.025	LAA	9					
C DUAL II (7.8EC)	2.00	LAA	9					
13A COBRA (2EC)	0.25	LAA	9	99	96	99	99	
B CANOPY (75WG)	0.24	LAA	9					
C DUAL II (7.8EC)	2.00	LAA	9					
14A DUAL II (7.8EC)	2.00	LAA	9	99	52	95	78	
15A FRONTIER 6.0EC	1.29	LAA	9	99	75	98	73	
16A AXIOM	0.81	LAA	9	99	78	91	83	
				LSD (0.05)	0.0	12.7	10.5	12.0
				STANDARD DEVIATION	24.0	21.9	24.1	23.5

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF FIRSTRATE FOR WEED CONTROL IN SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 36 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	05-20-96	06-24-96	06-27-96	MDY
AIR TEMPERATURE	84	90	81	82	½F
% REL. HUMIDITY	75	45	75	60	
WIND DIRECTION	SOUTH	SOUTH	NORTHWEST	NA/NONE	
WIND SPEED	8.0	12.0	3.0	0.0	M/H
SKY CONDITION	PARTCLDY	OVERCAST	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/12	HGH/13	
PIONEER 9394	****/****	****/****	5.00/5.00	6.00/6.00	IN
05-20-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/14	HGH/NA	
	****/****	****/****	2.00/4.00	****/****	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/NA	HGH/16	HGH/NA	
	****/****	****/****	2.00/5.00	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/16	HGH/NA	
	****/****	****/****	2.00/4.00	****/****	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/14	HGH/NA	
	****/****	****/****	2.00/4.00	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/13	HGH/14	
	****/****	****/****	3.00/5.00	4.00/6.00	IN

## \* TIMING CODES

07 = PREPLANT INCORPORATED  
09 = PREEMERGENCE  
12 = POST  
13 = LPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			TM	GLXMA	SETFA	CHEAL	AMACH	POLPY	ABUTH
	RATE	UNIT			CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96
1A EFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7		0	88	99	99	99	99
2A EFIRSTRATE 84WG B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	7 12 12 12		0	90	96	96	99	96
3A EFIRSTRATE 84WG B BLAZER (2SL) C SELECT (2EC) D ECOC E FERTILIZER - 28%UAN	0.031 0.25 0.094 1.00 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12		12	90	98	99	99	99
4A TREFLAN MTF (4EC) B EFIRSTRATE 84WG C ACTIVATE PLUS D FERTILIZER - 28%UAN	1.00 0.016 0.25 2.5	LAA LAA PMV PMV	7 12 12 12		0	70	68	90	88	99
5A TREFLAN MTF (4EC) B EFIRSTRATE 84WG C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12		10	80	87	98	96	93
6A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0
7A DUAL II (7.8EC) B EFIRSTRATE 84WG	2.00 0.031	LAA LAA	9 9		0	93	99	99	99	99
8A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG	2.00 0.188 0.031	LAA LAA LAA	9 9 9		0	95	99	99	99	99
9A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG	2.00 0.375 0.031	LAA LAA LAA	9 9 9		0	95	99	99	99	99
10A EFIRSTRATE 84WG B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	9 12 12 12		0	85	98	99	99	99
11A EFIRSTRATE 84WG B SELECT (2EC) C BLAZER (2SL) D ECOC E FERTILIZER - 28%UAN	0.031 0.094 0.25 1.00 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12		15	90	99	99	99	99
12A DUAL II (7.8EC) B EFIRSTRATE 84WG C ACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.016 0.25 2.5	LAA LAA PMV PMV	9 12 12 12		3	87	80	96	93	95
13A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG D ACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.188 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12		0	96	98	99	99	99
14A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG D ACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.375 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12		0	96	99	99	99	99
15A DUAL II (7.8EC) B EFIRSTRATE 84WG C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12		10	90	93	98	99	98
16A EFIRSTRATE 84WG B ACTIVATE PLUS C FERTILIZER - 28%UAN D SELECT (2EC) E ECOC F FERTILIZER - 28%UAN	0.016 0.25 2.5 0.094 1.00 2.5	LAA PMV PMV LAA PMV PMV	12 12 12 13 13 13		0	27	0	0	99	99



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMACH	POLPY	ABUTH
	RATE	UNIT	TM	CON % 07-22-96	CON % 07-22-96	CON % 07-22-96	CON % 07-22-96	CON % 07-22-96	CON % 07-22-96
1A EFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	0	80	98	99	99	99
2A EFIRSTRATE 84WG B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	7 12 12 12	0	95	93	96	99	96
3A EFIRSTRATE 84WG B BLAZER (2SL) C SELECT (2EC) D ECOC E FERTILIZER - 28%UAN	0.031 0.25 0.094 1.00 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12	2	87	93	99	99	95
4A TREFLAN MTF (4EC) B EFIRSTRATE 84WG C ACTIVATE PLUS D FERTILIZER - 28%UAN	1.00 0.016 0.25 2.5	LAA LAA PMV PMV	7 12 12 12	0	62	47	99	85	90
5A TREFLAN MTF (4EC) B EFIRSTRATE 84WG C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12	0	65	80	99	88	85
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A DUAL II (7.8EC) B EFIRSTRATE 84WG	2.00 0.031	LAA LAA	9 9	0	83	99	99	99	99
8A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG	2.00 0.188 0.031	LAA LAA LAA	9 9 9	0	90	99	99	99	99
9A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG	2.00 0.375 0.031	LAA LAA LAA	9 9 9	0	85	99	99	99	99
10A EFIRSTRATE 84WG B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	9 12 12 12	0	95	95	99	99	96
11A EFIRSTRATE 84WG B SELECT (2EC) C BLAZER (2SL) D ECOC E FERTILIZER - 28%UAN	0.031 0.094 0.25 1.00 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12	0	85	99	99	99	95
12A DUAL II (7.8EC) B EFIRSTRATE 84WG C ACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.016 0.25 2.5	LAA LAA PMV PMV	9 12 12 12	0	77	70	99	88	99
13A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG D ACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.188 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12	0	93	96	99	99	96
14A DUAL II (7.8EC) B SENCOR DF (75WG) C EFIRSTRATE 84WG D ACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.375 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12	0	95	99	99	99	98
15A DUAL II (7.8EC) B EFIRSTRATE 84WG C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12	0	85	78	99	99	88
16A EFIRSTRATE 84WG B ACTIVATE PLUS C FERTILIZER - 28%UAN D SELECT (2EC) E ECOC F FERTILIZER - 28%UAN	0.016 0.25 2.5 0.094 1.00 2.5	LAA PMV PMV LAA PMV PMV	12 12 12 13 13 13	0	68	22	0	99	99





TRT COMPOUND NUM TESTED	DOSAGE		TM	YIELD BU/A 10-16-96
	RATE	UNIT		
1A EFIRSTRATE 84WG	0.031	LAA	7	50.0
B TREFLAN MTF (4EC)	1.00	LAA	7	
2A EFIRSTRATE 84WG	0.031	LAA	7	54.2
B SELECT (2EC)	0.094	LAA	12	
C ECOC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
3A EFIRSTRATE 84WG	0.031	LAA	7	41.7
B BLAZER (2SL)	0.25	LAA	12	
C SELECT (2EC)	0.094	LAA	12	
D ECOC	1.00	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
4A TREFLAN MTF (4EC)	1.00	LAA	7	43.1
B EFIRSTRATE 84WG	0.016	LAA	12	
C DEACTIVATE PLUS	0.25	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
5A TREFLAN MTF (4EC)	1.00	LAA	7	42.7
B EFIRSTRATE 84WG	0.016	LAA	12	
C BLAZER (2SL)	0.25	LAA	12	
D DEACTIVATE PLUS	0.25	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
6A UNTREATED CHECK	0.00	NA	0	23.0
7A DUAL II (7.8EC)	2.00	LAA	9	47.3
B EFIRSTRATE 84WG	0.031	LAA	9	
8A DUAL II (7.8EC)	2.00	LAA	9	50.8
B SENCOR DF (75WG)	0.188	LAA	9	
C EFIRSTRATE 84WG	0.031	LAA	9	
9A DUAL II (7.8EC)	2.00	LAA	9	48.0
B SENCOR DF (75WG)	0.375	LAA	9	
C EFIRSTRATE 84WG	0.031	LAA	9	
10A EFIRSTRATE 84WG	0.031	LAA	9	51.5
B SELECT (2EC)	0.094	LAA	12	
C ECOC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
11A EFIRSTRATE 84WG	0.031	LAA	9	52.8
B SELECT (2EC)	0.094	LAA	12	
C BLAZER (2SL)	0.25	LAA	12	
D ECOC	1.00	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
12A DUAL II (7.8EC)	2.00	LAA	9	42.4
B EFIRSTRATE 84WG	0.016	LAA	12	
C DEACTIVATE PLUS	0.25	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
13A DUAL II (7.8EC)	2.00	LAA	9	50.1
B SENCOR DF (75WG)	0.188	LAA	9	
C EFIRSTRATE 84WG	0.016	LAA	12	
D DEACTIVATE PLUS	0.25	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
14A DUAL II (7.8EC)	2.00	LAA	9	45.9
B SENCOR DF (75WG)	0.375	LAA	9	
C EFIRSTRATE 84WG	0.016	LAA	12	
D DEACTIVATE PLUS	0.25	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
15A DUAL II (7.8EC)	2.00	LAA	9	45.9
B EFIRSTRATE 84WG	0.016	LAA	12	
C BLAZER (2SL)	0.25	LAA	12	
D DEACTIVATE PLUS	0.25	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
16A EFIRSTRATE 84WG	0.016	LAA	12	42.6
B DEACTIVATE PLUS	0.25	PMV	12	
C FERTILIZER - 28%UAN	2.5	PMV	12	
D SELECT (2EC)	0.094	LAA	13	
E ECOC	1.00	PMV	13	
F FERTILIZER - 28%UAN	2.5	PMV	13	

TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-16-96
	RATE	UNIT	TM	
17A£FIRSTRATE 84WG	0.016	LAA	12	41.7
B SELECT (2EC)	0.094	LAA	12	
C£COC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
18A£FIRSTRATE 84WG	0.016	LAA	12	50.7
B BLAZER (2SL)	0.25	LAA	12	
C£ACTIVATE PLUS	0.25	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
E SELECT (2EC)	0.094	LAA	13	
F£COC	1.00	PMV	13	
G FERTILIZER - 28%UAN	2.5	PMV	13	
19A£FIRSTRATE 84WG	0.016	LAA	12	41.7
B BLAZER (2SL)	0.25	LAA	12	
C SELECT (2EC)	0.094	LAA	12	
D£COC	1.00	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
20A£HAND WEEDED	0.00	NA	0	50.1
				LSD (0.05) 10.4
				STANDARD DEVIATION 8.6

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-24-96	MDY
AIR TEMPERATURE	83	83	½F
% REL.HUMIDITY	80	70	
WIND DIRECTION	SOUTHWEST	WEST	
WIND SPEED	5.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/13	
PIONEER 9394	3.00/3.00	6.00/6.00	IN
05-20-96			
*** PEST ***			
PIGWEEED, SMOOTH	HGH/13	HGH/16	
	1.00/2.00	3.00/5.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/18	
	1.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/12	HGH/14	
	1.00/3.00	3.00/5.00	IN

\* TIMING CODES  
 11 = EPOST  
 12 = POST

\* STAGE CODE  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMACH	CHEAL	GLXMA	SETFA
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-23-96	CON % 07-23-96
1A BASAGRAM (4SL)	1.00	LAA	12	0	94	43	27	0	96
B POAST PLUS (1EC)	0.2	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
2A BASAGRAM (4SL)	1.00	LAA	12	7	93	96	88	0	94
B POAST PLUS (1EC)	0.2	LAA	12						
C CONCERT (25WG)	0.0032	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
3A BASAGRAM (4SL)	1.00	LAA	12	13	92	99	72	0	77
B POAST PLUS (1EC)	0.2	LAA	12						
C BLAZER (2SL)	0.156	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
4A GALAXY (3.67SL)	0.92	LAA	12	10	98	99	70	0	88
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
5A GALAXY (3.67SL)	0.92	LAA	12	5	95	98	85	0	97
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A STORM (4SL)	0.75	LAA	12	8	99	99	75	0	88
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
8A STORM (4SL)	0.75	LAA	12	5	96	98	70	0	91
B SELECT (2EC)	0.125	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
9A GALAXY (3.67SL)	0.92	LAA	11	18	97	99	91	5	88
B ECOC	0.625	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	LAA	12						
E ECOC	0.625	PMV	12						
F FERTILIZER - 28%UAN	1.25	PMV	12						
10A PURSUIT (2SL)	0.063	LAA	12	7	89	99	77	0	58
B BLAZER (2SL)	0.125	LAA	12						
C SUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
11A PURSUIT (2SL)	0.063	LAA	12	10	86	99	87	0	85
B PINNACLE (25WG)	0.002	LAA	12						
C SUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
12A CONCERT (25WG)	0.008	LAA	12	8	99	99	85	0	94
B ASSURE II (0.88EC)	0.062	LAA	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
13A FLEXSTAR	0.313	LAA	12	5	98	99	70	0	97
B FUSION (2.66EC)	0.21	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
14A BASAGRAM (4SL)	1.00	LAA	12	8	96	84	58	0	93
B RESOURCE	0.054	LAA	12						
C POAST PLUS (1EC)	0.2	LAA	12						
D ECOC	0.625	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
15A BASAGRAM (4SL)	0.5	LAA	12	0	67	84	47	0	50
B PURSUIT (2SL)	0.031	LAA	12						
C SUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMACH	CHEAL	GLXMA	SETFA
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-23-96	CON % 07-23-96
16A BASAGRAN (4SL)	0.5	LAA	12	0	74	88	57	0	67
B PURSUIT (2SL)	0.047	LAA	12						
CESUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
17A BASAGRAN (4SL)	0.5	LAA	12	0	80	93	63	0	83
B PURSUIT (2SL)	0.063	LAA	12						
CESUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
18A BASAGRAN (4SL)	0.75	LAA	12	0	50	81	43	0	53
B PURSUIT (2SL)	0.031	LAA	12						
CESUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
19A BASAGRAN (4SL)	0.75	LAA	12	0	82	93	63	0	73
B PURSUIT (2SL)	0.047	LAA	12						
CESUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
20A BASAGRAN (4SL)	0.75	LAA	12	0	85	99	70	0	82
B PURSUIT (2SL)	0.063	LAA	12						
CESUNIT II	1.00	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
LSD (0.05)				3.8	6.2	4.5	8.2	1.8	8.2
STANDARD DEVIATION				5.5	22.9	23.8	22.2	1.4	23.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMACH	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96
1A BASAGRAN (4SL)	1.00	LAA	12	30	20
B POAST PLUS (1EC)	0.2	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
2A BASAGRAN (4SL)	1.00	LAA	12	99	78
B POAST PLUS (1EC)	0.2	LAA	12		
C CONCERT (25WG)	0.0032	LAA	12		
D ECOC	0.625	PMV	12		
E FERTILIZER - 28%UAN	1.25	PMV	12		
3A BASAGRAN (4SL)	1.00	LAA	12	98	63
B POAST PLUS (1EC)	0.2	LAA	12		
C BLAZER (2SL)	0.156	LAA	12		
D ECOC	0.625	PMV	12		
E FERTILIZER - 28%UAN	1.25	PMV	12		
4A GALAXY (3.67SL)	0.92	LAA	12	98	62
B POAST PLUS (1EC)	0.188	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
5A GALAXY (3.67SL)	0.92	LAA	12	98	77
B POAST (1.5EC)	0.3	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
6A UNTREATED CHECK	0.00	NA	0	0	0
7A STORM (4SL)	0.75	LAA	12	99	80
B POAST (1.5EC)	0.3	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
8A STORM (4SL)	0.75	LAA	12	98	76
B SELECT (2EC)	0.125	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
9A GALAXY (3.67SL)	0.92	LAA	11	99	93
B ECOC	0.625	PMV	11		
C FERTILIZER - 28%UAN	1.25	PMV	11		
D POAST PLUS (1EC)	0.188	LAA	12		
E ECOC	0.625	PMV	12		
F FERTILIZER - 28%UAN	1.25	PMV	12		
10A PURSUIT (2SL)	0.063	LAA	12	96	70
B BLAZER (2SL)	0.125	LAA	12		
C SUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
11A PURSUIT (2SL)	0.063	LAA	12	98	92
B PINNACLE (25WG)	0.002	LAA	12		
C SUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
12A CONCERT (25WG)	0.008	LAA	12	99	93
B ASSURE II (0.88EC)	0.062	LAA	12		
C ACTIVATE PLUS	0.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
13A FLEXSTAR	0.313	LAA	12	99	65
B FUSION (2.66EC)	0.21	LAA	12		
C ECOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
14A BASAGRAN (4SL)	1.00	LAA	12	78	57
B RESOURCE	0.054	LAA	12		
C POAST PLUS (1EC)	0.2	LAA	12		
D ECOC	0.625	PMV	12		
E FERTILIZER - 28%UAN	1.25	PMV	12		
15A BASAGRAN (4SL)	0.5	LAA	12	68	40
B PURSUIT (2SL)	0.031	LAA	12		
C SUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMACH	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96
16A BASAGRAN (4SL)	0.5	LAA	12	80	48
B PURSUIT (2SL)	0.047	LAA	12		
CESUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
17A BASAGRAN (4SL)	0.5	LAA	12	98	47
B PURSUIT (2SL)	0.063	LAA	12		
CESUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
18A BASAGRAN (4SL)	0.75	LAA	12	72	33
B PURSUIT (2SL)	0.031	LAA	12		
CESUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
19A BASAGRAN (4SL)	0.75	LAA	12	84	47
B PURSUIT (2SL)	0.047	LAA	12		
CESUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
20A BASAGRAN (4SL)	0.75	LAA	12	98	53
B PURSUIT (2SL)	0.063	LAA	12		
CESUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
		LSD (0.05)		8.9	11.0
		STANDARD DEVIATION		25.9	24.5

£ = SUPPLEMENTAL CHEMICAL



COMMON RAGWEED CONTROL IN SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	83	85	½F
% REL. HUMIDITY	80	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	10.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
PIONEER 9394	3.00/4.00	5.00/5.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/15	
	2.00/2.00	2.00/4.00	IN
PIGWEEED, SMOOTH	HGH/13	HGH/16	
	1.00/2.00	2.00/3.00	IN
RAGWEED, COMMON	LOW/12	LOW/14	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/17	
	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	1.00/2.00	2.00/4.00	IN

## \* TIMING CODES

11 = EPOST  
 12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMBEL	CHEAL	ABUTH	AMACH
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96
1A PURSUIT (2SL)	0.063	LAA	11	5	87	89	68	88	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
2A COBRA (2EC)	0.094	LAA	11	8	93	99	32	73	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
3A COBRA (2EC)	0.063	LAA	11	7	87	99	30	90	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
4A BLAZER (2SL)	0.125	LAA	11	7	95	99	80	75	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A BLAZER (2SL)	0.188	LAA	11	10	92	99	77	77	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
7A BLAZER (2SL)	0.25	LAA	11	8	92	99	80	82	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
8A PURSUIT (2SL)	0.063	LAA	11	12	88	99	80	95	99
B COBRA (2EC)	0.094	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
9A PURSUIT (2SL)	0.063	LAA	11	8	83	99	83	87	99
B BLAZER (2SL)	0.125	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
10A PURSUIT (2SL)	0.063	LAA	11	8	83	99	87	85	98
B BLAZER (2SL)	0.188	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
11A PURSUIT (2SL)	0.063	LAA	11	10	83	99	88	88	99
B BLAZER (2SL)	0.25	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
12A SELECT (2EC)	0.094	LAA	11	10	93	99	85	98	95
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
13A POAST PLUS (1EC)	0.094	LAA	11	10	95	99	85	95	95
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
14A POAST PLUS (1EC)	0.141	LAA	11	17	95	99	88	96	98
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	AMBEL	CHEAL	ABUTH	AMACH
	RATE	UNIT		CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96
15A POAST PLUS (1EC)	0.188	LAA	11	12	95	99	77	98	95
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
EEOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
16A PURSUIT (2SL)	0.063	LAA	11	2	88	99	78	93	96
B POAST PLUS (1EC)	0.094	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
17A PURSUIT (2SL)	0.063	LAA	11	5	92	99	80	93	99
B POAST PLUS (1EC)	0.141	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
18A PURSUIT (2SL)	0.063	LAA	11	7	93	99	82	93	99
B POAST PLUS (1EC)	0.188	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
		LSD (0.05)		5.1	6.7	6.5	11.6	7.7	3.4
		STANDARD DEVIATION		4.5	21.3	22.9	24.5	22.0	22.6

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	AMBEL	CHEAL	ABUTH	AMACH
	RATE	UNIT		CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
1A PURSUIT (2SL) BESUNIT II C FERTILIZER - 28%UAN	0.063 1.00 1.25	LAA PMV PMV	11 11 11	0	82	90	57	90	95
2A COBRA (2EC) BESUNIT II C FERTILIZER - 28%UAN D POAST PLUS (1EC) EECOC	0.094 1.00 1.25 0.188 1.00	LAA PMV PMV PMV PMV	11 11 11 12 12	2	85	99	17	80	99
3A COBRA (2EC) BESUNIT II C FERTILIZER - 28%UAN D POAST PLUS (1EC) EECOC	0.063 1.00 2.5 0.188 1.00	LAA PMV PMV PMV PMV	11 11 11 12 12	0	90	99	18	78	99
4A BLAZER (2SL) BESUNIT II C FERTILIZER - 28%UAN D POAST PLUS (1EC) EECOC	0.125 1.00 1.25 0.188 1.00	LAA PMV PMV PMV PMV	11 11 11 12 12	2	95	99	75	68	99
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A BLAZER (2SL) BESUNIT II C FERTILIZER - 28%UAN D POAST PLUS (1EC) EECOC	0.188 1.00 1.25 0.188 1.00	LAA PMV PMV PMV PMV	11 11 11 12 12	2	87	99	77	75	99
7A BLAZER (2SL) BESUNIT II C FERTILIZER - 28%UAN D POAST PLUS (1EC) EECOC	0.25 1.00 1.25 0.188 1.00	LAA PMV PMV PMV PMV	11 11 11 12 12	2	85	98	78	77	99
8A PURSUIT (2SL) B COBRA (2EC) CESUNIT II D FERTILIZER - 28%UAN	0.063 0.094 1.00 1.25	LAA LAA PMV PMV	11 11 11 11	0	77	99	73	90	99
9A PURSUIT (2SL) B BLAZER (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.063 0.125 1.00 1.25	LAA LAA PMV PMV	11 11 11 11	0	71	98	82	85	99
10A PURSUIT (2SL) B BLAZER (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.063 0.188 1.00 1.25	LAA LAA PMV PMV	11 11 11 11	0	67	99	77	80	99
11A PURSUIT (2SL) B BLAZER (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.063 0.25 1.00 1.25	LAA LAA PMV PMV	11 11 11 11	2	72	99	83	88	99
12A SELECT (2EC) BESUNIT II C FERTILIZER - 28%UAN D GALAXY (3.67SL) EECOC F FERTILIZER - 28%UAN	0.094 1.00 1.25 0.92 1.00 2.5	LAA PMV PMV LAA PMV PMV	11 11 11 12 12 12	0	90	99	80	93	93
13A POAST PLUS (1EC) BESUNIT II C FERTILIZER - 28%UAN D GALAXY (3.67SL) EECOC F FERTILIZER - 28%UAN	0.094 1.00 1.25 0.92 1.00 2.5	LAA PMV PMV LAA PMV PMV	11 11 11 12 12 12	2	95	96	83	92	93
14A POAST PLUS (1EC) BESUNIT II C FERTILIZER - 28%UAN D GALAXY (3.67SL) EECOC F FERTILIZER - 28%UAN	0.141 1.00 1.25 0.92 1.00 2.5	LAA PMV PMV LAA PMV PMV	11 11 11 12 12 12	5	93	99	85	92	90

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMBEL	CHEAL	ABUTH	AMACH
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
15A POAST PLUS (1EC)	0.188	LAA	11	3	95	99	72	93	88
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
16A PURSUIT (2SL)	0.063	LAA	11	0	90	98	73	87	94
B POAST PLUS (1EC)	0.094	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
17A PURSUIT (2SL)	0.063	LAA	11	0	90	99	73	87	96
B POAST PLUS (1EC)	0.141	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
18A PURSUIT (2SL)	0.063	LAA	11	0	90	94	75	82	98
B POAST PLUS (1EC)	0.188	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
		LSD (0.05)		3.3	11.4	5.0	13.3	8.1	5.6
		STANDARD DEVIATION		2.2	22.1	22.7	26.1	20.9	22.5

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMBEL	CHEAL	ABUTH	AMACH
	RATE	UNIT	TM	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96
1A PURSUIT (2SL)	0.063	LAA	11	0	86	86	83	99	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
2A COBRA (2EC)	0.094	LAA	11	0	62	99	15	91	96
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
3A COBRA (2EC)	0.063	LAA	11	0	77	99	33	93	98
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
4A BLAZER (2SL)	0.125	LAA	11	0	93	99	80	82	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A BLAZER (2SL)	0.188	LAA	11	0	90	99	87	83	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
7A BLAZER (2SL)	0.25	LAA	11	0	78	99	83	91	99
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E ECOC	1.00	PMV	12						
8A PURSUIT (2SL)	0.063	LAA	11	0	85	99	72	99	99
B COBRA (2EC)	0.094	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
9A PURSUIT (2SL)	0.063	LAA	11	0	83	99	90	98	99
B BLAZER (2SL)	0.125	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
10A PURSUIT (2SL)	0.063	LAA	11	0	75	99	77	94	99
B BLAZER (2SL)	0.188	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
11A PURSUIT (2SL)	0.063	LAA	11	0	78	99	87	99	99
B BLAZER (2SL)	0.25	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
12A SELECT (2EC)	0.094	LAA	11	0	95	99	90	99	98
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
13A POAST PLUS (1EC)	0.094	LAA	11	0	92	99	85	99	95
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
14A POAST PLUS (1EC)	0.141	LAA	11	0	96	99	88	98	94
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E ECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	AMBEL	CHEAL	ABUTH	AMACH
	RATE	UNIT		CON % 08-23-96	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96	CON % 08-23-96
15A POAST PLUS (1EC)	0.188	LAA	11	0	93	98	82	98	96
BESUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
EECOC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
16A PURSUIT (2SL)	0.063	LAA	11	0	91	99	88	98	99
B POAST PLUS (1EC)	0.094	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
17A PURSUIT (2SL)	0.063	LAA	11	0	94	99	88	99	96
B POAST PLUS (1EC)	0.141	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
18A PURSUIT (2SL)	0.063	LAA	11	0	90	99	87	99	98
B POAST PLUS (1EC)	0.188	LAA	11						
CESUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
		LSD (0.05)		0.0	13.8	5.9	14.6	7.7	4.9
		STANDARD DEVIATION		0.0	22.5	22.9	27.5	22.7	22.6

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-17-96	MDY
AIR TEMPERATURE	89	84	½F
% REL. HUMIDITY	45	80	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	12.0	7.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/	STG/	MINMAXSZ
*** CROP ***			
SOYBEAN	HGH/NA	HGH/11	
PIONEER 9394	****/****	3.00/3.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	2.00/2.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/13	
	****/****	1.00/2.00	IN
RAGWEEED, COMMON	HGH/NA	HGH/12	
	****/****	2.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/15	
	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
SIDA, PRICKLY	HGH/NA	HGH/12	
	****/****	2.00/2.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
11 = EPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMACH	CHEAL	ABUTH	AMBEL
	RATE	UNIT	TM	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96
1A DUAL II (7.8EC) BECGA-277476 DEACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.07 0.25 2.5	LAA LAA PMV PMV	9 11 11 11	12	98	99	98	95	98
2A DUAL II (7.8EC) B SENCOR DF (75WG) CECGA-277476 DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.188 0.07 0.25 2.5	LAA LAA LAA PMV PMV	9 9 11 11 11	15	98	99	99	98	98
3A DUAL II (7.8EC) BECGA-277476 CEACTION 4.75WP DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.056 0.0035 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	10	99	99	98	96	98
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A DUAL II (7.8EC) BECGA-277476 C BLAZER (2SL) DEACTIVATE PLUS	2.00 0.056 0.188 0.25	LAA LAA LAA PMV	9 11 11 11	10	99	99	98	95	93
6A DUAL II (7.8EC) BECGA-277476 C COBRA (2EC) DECOC	2.00 0.056 0.125 0.5	LAA LAA LAA PMV	9 11 11 11	30	99	99	99	99	99
7A DUAL II (7.8EC) BECGA-277476 C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.056 0.004 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	20	98	99	99	99	98
8A DUAL II (7.8EC) BEFIRSTRATE 84WG CEACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.016 0.125 2.5	LAA LAA PMV PMV	9 11 11 11	3	99	99	87	99	99
9A DUAL II (7.8EC) BEFIRSTRATE 84WG C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.004 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	15	97	99	99	99	98
10A DUAL II (7.8EC) BEFIRSTRATE 84WG C BLAZER (2SL) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	15	99	99	90	99	99
11A DUAL II (7.8EC) B CLASSIC (25WG) C COBRA (2EC) DECOC E FERTILIZER - 28%UAN	2.00 0.01 0.063 0.5 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	28	99	99	90	98	99
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	12	99	99	99	99	99
13A PROWL 3.3EC B PURSUIT (2SL) C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	1.25 0.063 0.002 0.25 1.25	LAA LAA LAA PMV PMV	9 11 11 11 11	18	99	99	99	99	99
14AEAXIOM B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.81 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	20	99	99	99	99	99

LSD (0.05)      7.8      1.6      0.4      3.2      3.4      3.6  
STANDARD DEVIATION      8.8      25.4      25.5      25.2      25.3      25.4

TRT COMPOUND NUM TESTED	DOSAGE			SIDSP	GLXMA	SETFA	AMACH	CHEAL	ABUTH
	RATE	UNIT	TM	CON % 06-28-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
1A DUAL II (7.8EC) BECGA-277476 DEACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.07 0.25 2.5	LAA LAA PMV PMV	9 11 11 11	93	0	96	95	90	88
2A DUAL II (7.8EC) B SENCOR DF (75WG) BECGA-277476 DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.188 0.07 0.25 2.5	LAA LAA LAA PMV PMV	9 9 11 11 11	93	0	99	98	96	90
3A DUAL II (7.8EC) BECGA-277476 CEACTION 4.75WP DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.056 0.0035 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	95	0	98	96	96	88
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A DUAL II (7.8EC) BECGA-277476 C BLAZER (2SL) DEACTIVATE PLUS	2.00 0.056 0.188 0.25	LAA LAA LAA PMV	9 11 11 11	92	0	99	99	92	88
6A DUAL II (7.8EC) BECGA-277476 C COBRA (2EC) DECOC	2.00 0.056 0.125 0.5	LAA LAA LAA PMV	9 11 11 11	99	18	99	99	98	93
7A DUAL II (7.8EC) BECGA-277476 C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.056 0.004 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	95	3	98	99	96	93
8A DUAL II (7.8EC) BEFIRSTRATE 84WG DEACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.016 0.125 2.5	LAA LAA PMV PMV	9 11 11 11	93	0	99	99	82	93
9A DUAL II (7.8EC) BEFIRSTRATE 84WG C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.004 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	95	0	99	99	98	98
10A DUAL II (7.8EC) BEFIRSTRATE 84WG C BLAZER (2SL) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	98	0	98	98	83	93
11A DUAL II (7.8EC) B CLASSIC (25WG) C COBRA (2EC) DECOC E FERTILIZER - 28%UAN	2.00 0.01 0.063 0.5 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	96	8	98	97	83	92
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	99	0	96	98	98	93
13A PROWL 3.3EC B PURSUIT (2SL) C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	1.25 0.063 0.002 0.25 1.25	LAA LAA LAA PMV PMV	9 11 11 11 11	99	0	98	99	99	95
14AEAXIOM B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.81 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	98	3	99	99	99	95
LSD (0.05)				5.2	4.8	2.3	2.9	5.4	5.7
STANDARD DEVIATION				24.9	5.6	25.3	25.3	24.9	24.1

TRT COMPOUND NUM TESTED	DOSAGE			AMBEL CON % 07-19-96	SIDSP CON % 07-19-96
	RATE	UNIT	TM		
1A DUAL II (7.8EC) BECGA-277476 DEACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.07 0.25 2.5	LAA LAA PMV PMV	9 11 11 11	90	70
2A DUAL II (7.8EC) B SENCOR DF (75WG) BECGA-277476 DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.188 0.07 0.25 2.5	LAA LAA LAA PMV PMV	9 9 11 11 11	90	90
3A DUAL II (7.8EC) BECGA-277476 REACTION 4.75WP DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.056 0.0035 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	88	88
4A UNTREATED CHECK	0.00	NA	0	0	0
5A DUAL II (7.8EC) BECGA-277476 C BLAZER (2SL) DEACTIVATE PLUS	2.00 0.056 0.188 0.25	LAA LAA LAA PMV	9 11 11 11	92	82
6A DUAL II (7.8EC) BECGA-277476 C COBRA (2EC) DECOC	2.00 0.056 0.125 0.5	LAA LAA LAA PMV	9 11 11 11	95	90
7A DUAL II (7.8EC) BECGA-277476 C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.056 0.004 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	90	85
8A DUAL II (7.8EC) BEFIRSTRATE 84WG DEACTIVATE PLUS D FERTILIZER - 28%UAN	2.00 0.016 0.125 2.5	LAA LAA PMV PMV	9 11 11 11	93	78
9A DUAL II (7.8EC) BEFIRSTRATE 84WG C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.004 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	97	82
10A DUAL II (7.8EC) BEFIRSTRATE 84WG C BLAZER (2SL) DEACTIVATE PLUS E FERTILIZER - 28%UAN	2.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	95	90
11A DUAL II (7.8EC) B CLASSIC (25WG) C COBRA (2EC) DECOC E FERTILIZER - 28%UAN	2.00 0.01 0.063 0.5 2.5	LAA LAA LAA PMV PMV	9 11 11 11 11	92	90
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	90	92
13A PROWL 3.3EC B PURSUIT (2SL) C PINNACLE (25WG) DEACTIVATE PLUS E FERTILIZER - 28%UAN	1.25 0.063 0.002 0.25 1.25	LAA LAA LAA PMV PMV	9 11 11 11 11	92	92
14A AXIOM B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.81 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	98	93

LSD (0.05) 5.9 6.9  
STANDARD DEVIATION 24.2 23.3

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-24-96	MDY
AIR TEMPERATURE	80	1/2 F
% REL.HUMIDITY	75	
WIND DIRECTION	WEST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9394	6.00/6.00	IN
05-20-96		
*** PEST ***		
VELVETLEAF	HGH/15	
	3.00/5.00	IN
PIGWEEED, SMOOTH	HGH/17	
	3.00/5.00	IN
LAMBSQUARTERS, C	HGH/18	
	2.00/4.00	IN
FOXTAIL, GIANT	HGH/13	
	3.00/5.00	IN

\* TIMING CODES  
 12 = POST

\* STAGE CODE  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMACH	ABUTH	GLXMA
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-24-96
1AETWISTER 1.82ME BEMSO C FERTILIZER - 28%UAN	0.416 1.00 2.5	LAA PMV PMV	12 12 12	5	83	72	99	98	0
2AETWISTER 1.82ME BEMSO C FERTILIZER - 28%UAN	0.512 1.00 2.5	LAA PMV PMV	12 12 12	5	92	73	99	98	0
3AEFLEXSTAR 1.88ME B FUSION (2.66EC) CEMSO D FERTILIZER - 28%UAN	0.313 0.208 1.00 2.5	LAA LAA PMV PMV	12 12 12 12	7	87	70	98	99	0
4A REFLEX 2LC (2SL) B FUSION (2.66EC) CEMSO D FERTILIZER - 28%UAN	0.313 0.208 1.00 2.5	LAA LAA PMV PMV	12 12 12 12	8	90	75	99	99	0
5AEFLEXSTAR 1.88ME B PINNACLE (25WG) C FUSION (2.66EC) DEMSO E FERTILIZER - 28%UAN	0.313 0.002 0.208 1.00 2.5	LAA LAA LAA PMV PMV	12 12 12 12 12	10	90	85	96	95	0
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7AEFLEXSTAR 1.88ME B PURSUIT (2SL) CEMSO D FERTILIZER - 28%UAN	0.125 0.063 1.00 2.5	LAA LAA PMV PMV	12 12 12 12	10	75	78	99	98	0
8AEFLEXSTAR 1.88ME BERAPTOR 1AS CEMSO D FERTILIZER - 28%UAN	0.125 0.041 1.00 2.5	LAA LAA PMV PMV	12 12 12 12	10	77	87	99	99	0
9A REFLEX 2LC (2SL) B PURSUIT (2SL) CEMSO D FERTILIZER - 28%UAN	0.125 0.063 1.00 2.5	LAA LAA PMV PMV	12 12 12 12	5	83	78	98	98	0
10AERAPTOR 1AS BEMSO C FERTILIZER - 28%UAN	0.041 1.00 2.5	LAA PMV PMV	12 12 12	10	50	63	90	92	2
11A PURSUIT (2SL) BEMSO C FERTILIZER - 28%UAN	0.063 1.00 2.5	LAA PMV PMV	12 12 12	5	48	47	90	88	0
12A CONCERT (25WG) B ASSURE II (0.88EC) CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.008 0.048 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	13	47	68	90	91	2
13AECGA-277476 B ASSURE II (0.88EC) CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.07 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	7	52	65	77	83	0
14A GALAXY (3.67SL) B POAST (1.5EC) CECOC D FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	10	72	83	90	93	0
15A BASAGRAN (4SL) B REFLEX 2LC (2SL) C FUSION (2.66EC) DEETH-N-GARD	0.5 0.25 0.208 0.25	LAA LAA LAA PMV	12 12 12 12	10	73	75	96	96	0
16A BASAGRAN (4SL) B REFLEX 2LC (2SL) C FUSION (2.66EC) DEHASTEN	0.5 0.25 0.208 0.75	LAA LAA LAA PMV	12 12 12 12	10	78	83	98	99	0

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMACH	ABUTH	GLXMA	
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-24-96	
17A BASAGRAN (4SL)	0.5	LAA	12	15	78	75	91	98	0	
B REFLEX 2LC (2SL)	0.25	LAA	12							
C FUSION (2.66EC)	0.208	LAA	12							
DEETH-N-ATE	2.5	PMV	12							
18A BASAGRAN (4SL)	0.5	LAA	12	10	73	77	98	95	0	
B REFLEX 2LC (2SL)	0.25	LAA	12							
C FUSION (2.66EC)	0.208	LAA	12							
DESYLWARD 309	0.25	PMV	12							
19A BASAGRAN (4SL)	0.5	LAA	12	10	82	80	98	95	0	
B REFLEX 2LC (2SL)	0.25	LAA	12							
C FUSION (2.66EC)	0.208	LAA	12							
DECOC	1.00	PMV	12							
20A BASAGRAN (4SL)	0.5	LAA	12	10	87	80	99	96	0	
B REFLEX 2LC (2SL)	0.25	LAA	12							
C FUSION (2.66EC)	0.208	LAA	12							
DEMISO	0.75	PMV	12							
				LSD (0.05)	3.2	13.5	9.6	8.8	10.8	1.5
				STANDARD DEVIATION	3.7	22.7	19.1	21.8	21.8	0.9

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	CHEAL	AMACH	ABUTH
	RATE	UNIT		CON % 07-24-96	CON % 07-24-96	CON % 07-24-96	CON % 07-24-96
1AETWISTER 1.82ME	0.416	LAA	12	85	60	99	96
BEMSO	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
2AETWISTER 1.82ME	0.512	LAA	12	87	57	99	99
BEMSO	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
3AEFLEXSTAR 1.88ME	0.313	LAA	12	88	55	99	99
B FUSION (2.66EC)	0.208	LAA	12				
CEMSO	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
4A REFLEX 2LC (2SL)	0.313	LAA	12	87	65	99	99
B FUSION (2.66EC)	0.208	LAA	12				
CEMSO	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
5AEFLEXSTAR 1.88ME	0.313	LAA	12	87	80	99	96
B PINNACLE (25WG)	0.002	LAA	12				
C FUSION (2.66EC)	0.208	LAA	12				
DEMISO	1.00	PMV	12				
E FERTILIZER - 28%UAN	2.5	PMV	12				
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0
7AEFLEXSTAR 1.88ME	0.125	LAA	12	55	80	99	99
B PURSUIT (2SL)	0.063	LAA	12				
CEMSO	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
8AEFLEXSTAR 1.88ME	0.125	LAA	12	75	90	99	98
B ERAPTOR 1AS	0.041	LAA	12				
CEMSO	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
9A REFLEX 2LC (2SL)	0.125	LAA	12	63	75	99	94
B PURSUIT (2SL)	0.063	LAA	12				
CEMSO	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
10A ERAPTOR 1AS	0.041	LAA	12	87	80	99	99
BEMSO	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
11A PURSUIT (2SL)	0.063	LAA	12	80	63	99	98
BEMSO	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
12A CONCERT (25WG)	0.008	LAA	12	88	83	99	96
B ASSURE II (0.88EC)	0.048	LAA	12				
C ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
13A ECGA-277476	0.07	LAA	12	48	80	96	99
B ASSURE II (0.88EC)	0.055	LAA	12				
C ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
14A GALAXY (3.67SL)	0.92	LAA	12	83	82	96	93
B POAST (1.5EC)	0.3	LAA	12				
C ECOC	0.625	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
15A BASAGRAN (4SL)	0.5	LAA	12	87	72	96	99
B REFLEX 2LC (2SL)	0.25	LAA	12				
C FUSION (2.66EC)	0.208	LAA	12				
D EETH-N-GARD	0.25	PMV	12				
16A BASAGRAN (4SL)	0.5	LAA	12	87	72	94	99
B REFLEX 2LC (2SL)	0.25	LAA	12				
C FUSION (2.66EC)	0.208	LAA	12				
D HASTEN	0.75	PMV	12				

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	CHEAL	AMACH	ABUTH	
	RATE	UNIT		CON % 07-24-96	CON % 07-24-96	CON % 07-24-96	CON % 07-24-96	
17A BASAGRAN (4SL)	0.5	LAA	12	70	70	99	96	
B REFLEX 2LC (2SL)	0.25	LAA	12					
C FUSION (2.66EC)	0.208	LAA	12					
DEETH-N-ATE	2.5	PMV	12					
18A BASAGRAN (4SL)	0.5	LAA	12	88	73	99	99	
B REFLEX 2LC (2SL)	0.25	LAA	12					
C FUSION (2.66EC)	0.208	LAA	12					
DESYLEGARD 309	0.25	PMV	12					
19A BASAGRAN (4SL)	0.5	LAA	12	90	78	99	96	
B REFLEX 2LC (2SL)	0.25	LAA	12					
C FUSION (2.66EC)	0.208	LAA	12					
DECOC	1.00	PMV	12					
20A BASAGRAN (4SL)	0.5	LAA	12	87	77	99	98	
B REFLEX 2LC (2SL)	0.25	LAA	12					
C FUSION (2.66EC)	0.208	LAA	12					
DEMISO	0.75	PMV	12					
				LSD (0.05)	7.6	9.9	4.4	5.3
				STANDARD DEVIATION	21.3	19.0	21.6	21.5

£ = SUPPLEMENTAL CHEMICAL



WEED CONRTOl IN STS SOYBEANS  
APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV.CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-24-96	MDY
AIR TEMPERATURE	90	83	½F
% REL.HUMIDITY	45	70	
WIND DIRECTION	SOUTH	WEST	
WIND SPEED	12.0	3.0	M/H
SKY CONDITION	OVERCAST	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
ASGROW 3404STS	****/****	6.00/6.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/15	
	****/****	3.00/5.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/17	
	****/****	3.00/6.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/18	
	****/****	3.00/6.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/13	
	****/****	1.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	
	****/****	6.00/7.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
12 = POST

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH
	RATE	UNIT	TM	CON % 07-04-96	CON % 07-04-96	CON % 07-04-96	CON % 07-04-96	CON % 07-04-96	CON % 07-04-96
1A SYNCHRONY STS 42DF	0.013	LAA	12	0	48	70	88	55	87
B CLASSIC (25WG)	0.0013	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
2A SYNCHRONY STS 42DF	0.013	LAA	12	0	53	67	90	62	87
B ASSURE II (0.88EC)	0.055	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
3A SYNCHRONY STS 42DF	0.013	LAA	12	0	58	67	92	63	93
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
4A SYNCHRONY STS 42DF	0.013	LAA	12	10	57	82	96	77	99
B COBRA (2EC)	0.063	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	0.5	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A PURSUIT (2SL)	0.063	LAA	12	12	62	52	95	67	99
B COBRA (2EC)	0.063	LAA	12						
C SUNIT II	0.5	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
7A PURSUIT (2SL)	0.063	LAA	12	8	47	68	90	60	87
B PINNACLE (25WG)	0.002	LAA	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
8A PROWL 3.3EC	1.25	LAA	9	3	88	98	98	82	98
B PURSUIT (2SL)	0.063	LAA	12						
C PINNACLE (25WG)	0.002	LAA	12						
D ACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
9A CONCERT (25WG)	0.008	LAA	12	0	63	67	92	63	92
B CLASSIC (25WG)	0.0013	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
10A CONCERT (25WG)	0.008	LAA	12	0	48	70	90	60	90
B ASSURE II (0.88EC)	0.055	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
11A CONCERT (25WG)	0.008	LAA	12	0	53	68	92	60	90
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
12A CONCERT (25WG)	0.008	LAA	12	10	60	75	93	80	99
B COBRA (2EC)	0.063	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	0.5	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A GALAXY (3.67SL)	0.092	LAA	12	7	60	45	92	48	99
B POAST PLUS (1EC)	0.188	LAA	12						
C SYLGARD	0.125	PMV	12						
D FERTILIZER - 28%UAN	0.625	PMV	12						
14A BATTALION	0.075	LAA	9	2	88	99	99	90	99
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
15A PROWL 3.3EC	1.25	LAA	9	0	78	82	98	80	95
B PURSUIT (2SL)	0.063	LAA	12						
C SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A ESYNCHRONY STS 42DF	0.013	LAA	12	2	90	89	99	88	99
B CLASSIC (25WG)	0.0013	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
2A ESYNCHRONY STS 42DF	0.013	LAA	12	0	93	78	98	83	99
B ASSURE II (0.88EC)	0.055	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
3A ESYNCHRONY STS 42DF	0.013	LAA	12	0	84	86	99	80	99
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
4A ESYNCHRONY STS 42DF	0.013	LAA	12	7	88	96	99	93	99
B COBRA (2EC)	0.063	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	0.5	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A PURSUIT (2SL)	0.063	LAA	12	0	60	57	98	84	99
B COBRA (2EC)	0.063	LAA	12						
C SUNIT II	0.5	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
7A PURSUIT (2SL)	0.063	LAA	12	2	73	84	97	91	99
B PINNACLE (25WG)	0.002	LAA	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
8A PROWL 3.3EC	1.25	LAA	9	0	93	97	99	91	99
B PURSUIT (2SL)	0.063	LAA	12						
C PINNACLE (25WG)	0.002	LAA	12						
D ACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
9A CONCERT (25WG)	0.008	LAA	12	0	93	93	98	93	99
B CLASSIC (25WG)	0.0013	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
10A CONCERT (25WG)	0.008	LAA	12	0	93	89	98	92	99
B ASSURE II (0.88EC)	0.055	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
11A CONCERT (25WG)	0.008	LAA	12	2	89	92	99	91	99
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
12A CONCERT (25WG)	0.008	LAA	12	3	90	94	99	93	99
B COBRA (2EC)	0.063	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D ECOC	0.5	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A GALAXY (3.67SL)	0.092	LAA	12	0	87	53	90	80	97
B POAST PLUS (1EC)	0.188	LAA	12						
C SYLGARD	0.125	PMV	12						
D FERTILIZER - 28%UAN	0.625	PMV	12						
14A EBATTALION	0.075	LAA	9	2	95	94	99	94	99
B POAST PLUS (1EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
15A PROWL 3.3EC	1.25	LAA	9	0	89	67	98	90	99
B PURSUIT (2SL)	0.063	LAA	12						
C SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	ABUTH	PHBPU	AMACH	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
16AERAPTOR 1AS	0.04	LAA	12	2	95	75	99	91	99	
BESUNIT II	0.75	PMV	12							
C FERTILIZER - 28%UAN	2.5	PMV	12							
17A CLASSIC (25WG)	0.005	LAA	12	2	95	91	99	92	99	
B PINNACLE (25WG)	0.003	LAA	12							
C ASSURE II (0.88EC)	0.055	LAA	12							
DECOC	1.00	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
18A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99	
				LSD (0.05)	3.1	6.4	6.3	2.8	4.6	0.6
				STANDARD DEVIATION	2.3	22.3	23.6	22.6	21.2	22.7

TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-16-96
	RATE	UNIT	TH	
1A ESYNCHRONY STS 42DF	0.013	LAA	12	46.0
B CLASSIC (25WG)	0.0013	LAA	12	
C ASSURE II (0.88EC)	0.055	LAA	12	
D ECOC	1.00	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
2A ESYNCHRONY STS 42DF	0.013	LAA	12	34.8
B ASSURE II (0.88EC)	0.055	LAA	12	
C ECOC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
3A ESYNCHRONY STS 42DF	0.013	LAA	12	41.1
B POAST PLUS (1EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
4A ESYNCHRONY STS 42DF	0.013	LAA	12	33.0
B COBRA (2EC)	0.063	LAA	12	
C ASSURE II (0.88EC)	0.055	LAA	12	
D ECOC	0.5	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
5A UNTREATED CHECK	0.00	NA	0	13.4
6A PURSUIT (2SL)	0.063	LAA	12	32.6
B COBRA (2EC)	0.063	LAA	12	
C SUNIT II	0.5	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
7A PURSUIT (2SL)	0.063	LAA	12	43.0
B PINNACLE (25WG)	0.002	LAA	12	
C ACTIVATE PLUS	0.25	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
8A PROWL 3.3EC	1.25	LAA	9	37.1
B PURSUIT (2SL)	0.063	LAA	12	
C PINNACLE (25WG)	0.002	LAA	12	
D ACTIVATE PLUS	0.25	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
9A CONCERT (25WG)	0.008	LAA	12	46.7
B CLASSIC (25WG)	0.0013	LAA	12	
C ASSURE II (0.88EC)	0.055	LAA	12	
D ECOC	1.00	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
10A CONCERT (25WG)	0.008	LAA	12	41.5
B ASSURE II (0.88EC)	0.055	LAA	12	
C ECOC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
11A CONCERT (25WG)	0.008	LAA	12	35.6
B POAST PLUS (1EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	
12A CONCERT (25WG)	0.008	LAA	12	33.0
B COBRA (2EC)	0.063	LAA	12	
C ASSURE II (0.88EC)	0.055	LAA	12	
D ECOC	0.5	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
13A GALAXY (3.67SL)	0.092	LAA	12	37.8
B POAST PLUS (1EC)	0.188	LAA	12	
C SYLGARD	0.125	PMV	12	
D FERTILIZER - 28%UAN	0.625	PMV	12	
14A BATTALION	0.075	LAA	9	33.4
B POAST PLUS (1EC)	0.188	LAA	12	
C ECOC	1.00	PMV	12	
15A PROWL 3.3EC	1.25	LAA	9	37.1
B PURSUIT (2SL)	0.063	LAA	12	
C SUNIT II	0.75	PMV	12	
D FERTILIZER - 28%UAN	2.5	PMV	12	

TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-16-96
	RATE	UNIT	TM	
16AERAPTOR 1AS	0.04	LAA	12	42.3
BESUNIT II	0.75	PMV	12	
C FERTILIZER - 28%UAN	2.5	PMV	12	
17A CLASSIC (25WG)	0.005	LAA	12	38.6
B PINNACLE (25WG)	0.003	LAA	12	
C ASSURE II (0.88EC)	0.055	LAA	12	
DECOC	1.00	PMV	12	
E FERTILIZER - 28%UAN	2.5	PMV	12	
18A£HAND WEDED	0.00	NA	0	49.7
		LSD (0.05)		12.2
		STANDARD DEVIATION		9.7

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN STS SOYBEANS WITH SYNCHRONY AND COBRA APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	83	85	½F
% REL.HUMIDITY	75	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	5.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
ASGROW 3404STS	3.00/4.00	5.00/5.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/15	
	2.00/2.00	2.00/4.00	IN
PIGWEEED, SMOOTH	HGH/13	HGH/15	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/17	
	1.00/2.00	2.00/3.00	IN
MORNINGGLORY, TA	HGH/12	HGH/15	
	1.00/1.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	1.00/3.00	2.00/4.00	IN

\* TIMING CODES

11 = EPOST  
 12 = POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMACH	ABUTH	PHBPU
	RATE	UNIT	TM	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96	CON % 06-28-96
1A SYNCHRONY STS 42DF	0.013	LAA	11	10	96	99	99	99	99
B COBRA (2EC)	0.063	LAA	11						
C ECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E ECOC	0.5	PMV	12						
2A SYNCHRONY STS 42DF	0.013	LAA	11	10	99	99	99	96	97
B COBRA (2EC)	0.094	LAA	11						
C ECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E ECOC	0.5	PMV	12						
3A SYNCHRONY STS 42DF	0.013	LAA	11	10	99	99	99	98	98
B COBRA (2EC)	0.125	LAA	11						
C ECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E ECOC	0.5	PMV	12						
4A SYNCHRONY STS 42DF	0.013	LAA	11	0	85	97	99	99	90
B ECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D ECOC	0.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A COBRA (2EC)	0.094	LAA	11	10	98	83	99	96	83
B ECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D ECOC	0.5	PMV	12						
7A COBRA (2EC)	0.125	LAA	11	10	99	87	99	99	85
B ECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D ECOC	0.5	PMV	12						
8A COBRA (2EC)	0.156	LAA	11	10	97	95	99	98	88
B ECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D ECOC	0.5	PMV	12						
9A COBRA (2EC)	0.1875	LAA	11	10	99	93	99	93	87
B ECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D ECOC	0.5	PMV	12						
10A SELECT (2EC)	0.094	LAA	11	0	92	95	99	99	94
B SYNCHRONY STS 42DF	0.013	LAA	11						
C ECOC	0.5	PMV	11						
11A SELECT (2EC)	0.094	LAA	11	10	96	99	99	99	98
B COBRA (2EC)	0.094	LAA	11						
C SYNCHRONY STS 42DF	0.013	LAA	11						
D ECOC	0.5	PMV	11						
12A SELECT (2EC)	0.125	LAA	11	0	87	99	99	88	90
B SYNCHRONY STS 42DF	0.013	LAA	11						
C ECOC	0.5	PMV	11						
13A SELECT (2EC)	0.125	LAA	11	8	88	99	99	97	98
B COBRA (2EC)	0.094	LAA	11						
C SYNCHRONY STS 42DF	0.013	LAA	11						
D ECOC	0.5	PMV	11						
14A SELECT (2EC)	0.094	LAA	11	8	93	99	99	92	98
B COBRA (2EC)	0.063	LAA	11						
C SYNCHRONY STS 42DF	0.013	LAA	11						
D ECOC	0.5	PMV	11						
15A SELECT (2EC)	0.094	LAA	11	8	96	94	99	99	97
B COBRA (2EC)	0.125	LAA	11						
C SYNCHRONY STS 42DF	0.013	LAA	11						
D ECOC	0.5	PMV	11						
16A PURSUIT (2SL)	0.063	LAA	11	5	99	92	99	99	93
B COBRA (2EC)	0.063	LAA	11						
C ECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E ECOC	0.5	PMV	12						
LSD (0.05)				1.9	5.1	6.6	0.0	5.4	5.7
STANDARD DEVIATION				4.3	23.5	23.7	24.0	23.7	23.3

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMACH	ABUTH	PHBPU	
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	
1A SYNCHRONY STS 42DF	0.013	LAA	11	2	98	87	99	85	88	
B COBRA (2EC)	0.063	LAA	11							
C ECOC	0.5	PMV	11							
D SELECT (2EC)	0.094	LAA	12							
E ECOC	0.5	PMV	12							
2A SYNCHRONY STS 42DF	0.013	LAA	11	2	96	93	99	80	77	
B COBRA (2EC)	0.094	LAA	11							
C ECOC	0.5	PMV	11							
D SELECT (2EC)	0.094	LAA	12							
E ECOC	0.5	PMV	12							
3A SYNCHRONY STS 42DF	0.013	LAA	11	0	99	98	99	87	85	
B COBRA (2EC)	0.125	LAA	11							
C ECOC	0.5	PMV	11							
D SELECT (2EC)	0.094	LAA	12							
E ECOC	0.5	PMV	12							
4A SYNCHRONY STS 42DF	0.013	LAA	11	0	93	92	99	87	83	
B ECOC	0.5	PMV	11							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	0.5	PMV	12							
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
6A COBRA (2EC)	0.094	LAA	11	3	99	43	99	88	60	
B ECOC	0.5	PMV	11							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	0.5	PMV	12							
7A COBRA (2EC)	0.125	LAA	11	3	99	47	99	80	78	
B ECOC	0.5	PMV	11							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	0.5	PMV	12							
8A COBRA (2EC)	0.156	LAA	11	3	98	62	99	96	78	
B ECOC	0.5	PMV	11							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	0.5	PMV	12							
9A COBRA (2EC)	0.1875	LAA	11	2	98	75	99	82	73	
B ECOC	0.5	PMV	11							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	0.5	PMV	12							
10A SELECT (2EC)	0.094	LAA	11	0	92	93	98	80	78	
B SYNCHRONY STS 42DF	0.013	LAA	11							
C ECOC	0.5	PMV	11							
11A SELECT (2EC)	0.094	LAA	11	0	85	92	99	92	82	
B COBRA (2EC)	0.094	LAA	11							
C SYNCHRONY STS 42DF	0.013	LAA	11							
D ECOC	0.5	PMV	11							
12A SELECT (2EC)	0.125	LAA	11	0	95	96	97	85	89	
B SYNCHRONY STS 42DF	0.013	LAA	11							
C ECOC	0.5	PMV	11							
13A SELECT (2EC)	0.125	LAA	11	2	82	83	99	85	95	
B COBRA (2EC)	0.094	LAA	11							
C SYNCHRONY STS 42DF	0.013	LAA	11							
D ECOC	0.5	PMV	11							
14A SELECT (2EC)	0.094	LAA	11	0	92	93	99	78	83	
B COBRA (2EC)	0.063	LAA	11							
C SYNCHRONY STS 42DF	0.013	LAA	11							
D ECOC	0.5	PMV	11							
15A SELECT (2EC)	0.094	LAA	11	0	92	93	99	90	85	
B COBRA (2EC)	0.125	LAA	11							
C SYNCHRONY STS 42DF	0.013	LAA	11							
D ECOC	0.5	PMV	11							
16A PURSUIT (2SL)	0.063	LAA	11	0	90	72	99	99	88	
B COBRA (2EC)	0.063	LAA	11							
C ECOC	0.5	PMV	11							
D SELECT (2EC)	0.094	LAA	12							
E ECOC	0.5	PMV	12							
				LS D (0.05)	3.6	4.2	11.6	0.9	10.2	6.9
				STANDARD DEVIATION	2.3	23.3	26.4	23.9	22.2	21.8

£ = SUPPLEMENTAL CHEMICAL

PAGE #179 WEED CONTROL IN STS SOYBEANS WITH POST COMBINATIONS APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	84	84	½F
% REL.HUMIDITY	80	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	5.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
ASGROW 3404STS	3.00/4.00	5.00/5.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/13	HGH/15	
	1.00/2.00	2.00/4.00	IN
PIGWEEED, SMOOTH	HGH/13	HGH/16	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/16	
	1.00/2.00	2.00/3.00	IN
MORNINGGLORY, TA	HGH/13	HGH/16	
	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	1.00/3.00	2.00/4.00	IN

\* TIMING CODES

11 = EPOST  
 12 = POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.12 lb Select 6-26-96

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA CON % 06-29-96	CHEAL CON % 06-29-96	AMACH CON % 06-29-96	ABUTH CON % 06-29-96	PHBPU CON % 06-29-96
	RATE	UNIT	TM					
1A RESOURCE (0.86EC) BESYNCHRONY STS 42DF CÉCOC D FERTILIZER - 28%UAN	0.027 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	3	99	99	98	97
2A RESOURCE (0.86EC) BÉCOC C FERTILIZER - 28%UAN	0.027 0.5 2.5	LAA PMV PMV	11 11 11	0	83	99	99	85
3AÉSTELLAR BÉCOC C FERTILIZER - 28%UAN	0.073 0.5 2.5	LAA PMV PMV	11 11 11	3	82	99	99	78
4AÉSTELLAR BÉCOC C FERTILIZER - 28%UAN	0.121 0.5 2.5	LAA PMV PMV	11 11 11	5	90	99	99	80
5AÉSTELLAR BÉCOC C FERTILIZER - 28%UAN	0.17 0.5 2.5	LAA PMV PMV	11 11 11	10	87	99	99	83
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
7AÉSTELLAR BESYNCHRONY STS 42DF CÉCOC D FERTILIZER - 28%UAN	0.073 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	5	99	99	99	95
8AÉSTELLAR BESYNCHRONY STS 42DF CÉCOC D FERTILIZER - 28%UAN	0.121 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	7	99	99	99	94
9AÉSTELLAR BESYNCHRONY STS 42DF CÉCOC D FERTILIZER - 28%UAN	0.17 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	7	99	99	99	97
10AÉSYNCHRONY STS 42DF BÉCOC C FERTILIZER - 28%UAN	0.013 0.5 2.5	LAA PMV PMV	11 11 11	0	99	99	99	93
11A PURSUIT (2SL) BÉCOC C FERTILIZER - 28%UAN	0.063 0.75 2.5	LAA PMV PMV	11 11 11	5	83	99	99	95
12A PURSUIT (2SL) B COBRA (2EC) CÉCOC D FERTILIZER - 28%UAN	0.063 0.063 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	8	96	99	99	97
13A RESOURCE (0.86EC) BESYNCHRONY STS 42DF CÉCOC D FERTILIZER - 28%UAN	0.027 0.013 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	3	99	99	99	99
14A RESOURCE (0.86EC) BÉCOC C FERTILIZER - 28%UAN	0.027 0.5 2.5	LAA PMV PMV	12 12 12	2	88	99	99	88
15AÉSTELLAR BÉCOC C FERTILIZER - 28%UAN	0.073 0.5 2.5	LAA PMV PMV	12 12 12	10	96	99	99	93
16AÉSTELLAR BÉCOC C FERTILIZER - 28%UAN	0.121 0.5 2.5	LAA PMV PMV	12 12 12	12	88	99	99	85
17AÉSTELLAR BÉCOC C FERTILIZER - 28%UAN	0.17 0.5 2.5	LAA PMV PMV	12 12 12	12	85	99	99	88
18AÉSTELLAR BESYNCHRONY STS 42DF CÉCOC D FERTILIZER - 28%UAN	0.073 0.013 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	10	99	99	99	98

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	CHEAL	AMACH	ABUTH	PHBPU
	RATE	UNIT		CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96	CON % 06-29-96
19A ESTELLAR	0.121	LAA	12	10	99	99	99	98
BESYNCHRONY STS 42DF	0.013	LAA	12					
CÉCOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
20A ESTELLAR	0.17	LAA	12	10	99	99	99	98
BESYNCHRONY STS 42DF	0.013	LAA	12					
CÉCOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
21A SYNCHRONY STS 42DF	0.013	LAA	12	0	90	99	99	92
BÉCOC	0.5	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
22A PURSUIT (2SL)	0.063	LAA	12	8	78	99	99	90
BÉCOC	0.75	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
		LSD (0.05)		3.7	6.7	0.0	0.4	6.6
		STANDARD DEVIATION		4.3	20.7	20.6	20.6	20.3

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	CHEAL	AMACH	ABUTH	PHBPU
	RATE	UNIT		CON % 07-20-96	CON % 07-20-96	CON % 07-20-96	CON % 07-20-96	CON % 07-20-96
1A RESOURCE (0.86EC) BESYNCHRONY STS 42DF CECOC D FERTILIZER - 28%UAN	0.027 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	2	92	99	96	92
2A RESOURCE (0.86EC) BECOC C FERTILIZER - 28%UAN	0.027 0.5 2.5	LAA PMV PMV	11 11 11	0	77	96	98	93
3AESTELLAR BECOC C FERTILIZER - 28%UAN	0.073 0.5 2.5	LAA PMV PMV	11 11 11	0	72	99	88	96
4AESTELLAR BECOC C FERTILIZER - 28%UAN	0.121 0.5 2.5	LAA PMV PMV	11 11 11	2	80	99	96	83
5AESTELLAR BECOC C FERTILIZER - 28%UAN	0.17 0.5 2.5	LAA PMV PMV	11 11 11	2	80	99	87	90
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
7AESTELLAR BESYNCHRONY STS 42DF CECOC D FERTILIZER - 28%UAN	0.073 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	2	95	99	99	82
8AESTELLAR BESYNCHRONY STS 42DF CECOC D FERTILIZER - 28%UAN	0.121 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	0	99	99	96	82
9AESTELLAR BESYNCHRONY STS 42DF CECOC D FERTILIZER - 28%UAN	0.17 0.013 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	0	95	99	94	80
10AESYNCHRONY STS 42DF BECOC C FERTILIZER - 28%UAN	0.013 0.5 2.5	LAA PMV PMV	11 11 11	0	88	99	96	73
11A PURSUIT (2SL) BECOC C FERTILIZER - 28%UAN	0.063 0.75 2.5	LAA PMV PMV	11 11 11	0	70	99	93	83
12A PURSUIT (2SL) B COBRA (2EC) CECOC D FERTILIZER - 28%UAN	0.063 0.063 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	0	85	99	99	93
13A RESOURCE (0.86EC) BESYNCHRONY STS 42DF CECOC D FERTILIZER - 28%UAN	0.027 0.013 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	0	95	99	99	98
14A RESOURCE (0.86EC) BECOC C FERTILIZER - 28%UAN	0.027 0.5 2.5	LAA PMV PMV	12 12 12	0	75	99	99	92
15AESTELLAR BECOC C FERTILIZER - 28%UAN	0.073 0.5 2.5	LAA PMV PMV	12 12 12	0	75	99	99	82
16AESTELLAR BECOC C FERTILIZER - 28%UAN	0.121 0.5 2.5	LAA PMV PMV	12 12 12	0	73	99	99	78
17AESTELLAR BECOC C FERTILIZER - 28%UAN	0.17 0.5 2.5	LAA PMV PMV	12 12 12	2	70	99	99	83
18AESTELLAR BESYNCHRONY STS 42DF CECOC D FERTILIZER - 28%UAN	0.073 0.013 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	3	96	99	99	83

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	CHEAL	AMACH	ABUTH	PHBPU
	RATE	UNIT		CON % 07-20-96	CON % 07-20-96	CON % 07-20-96	CON % 07-20-96	CON % 07-20-96
19AESTELLAR	0.121	LAA	12	0	92	99	99	78
BESYNCHRONY STS 42DF	0.013	LAA	12					
CÉCOC	0.5	PHV	12					
D FERTILIZER - 28%UAN	2.5	PHV	12					
20AESTELLAR	0.17	LAA	12	2	93	98	99	87
BESYNCHRONY STS 42DF	0.013	LAA	12					
CÉCOC	0.5	PHV	12					
D FERTILIZER - 28%UAN	2.5	PHV	12					
21AESYNCHRONY STS 42DF	0.013	LAA	12	0	87	99	99	80
BÉCOC	0.5	PHV	12					
C FERTILIZER - 28%UAN	2.5	PHV	12					
22A PURSUIT (2SL)	0.063	LAA	12	2	72	99	98	88
BÉCOC	0.75	PHV	12					
C FERTILIZER - 28%UAN	2.5	PHV	12					
		LSD (0.05)		2.8	7.1	1.1	6.8	9.2
		STANDARD DEVIATION		1.7	20.2	20.6	20.7	19.4

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-17-96	06-21-96	MDY
AIR TEMPERATURE	89	80	83	1/2 F
% REL.HUMIDITY	50	80	75	
WIND DIRECTION	SOUTH	SOUTH	SOUTH	
WIND SPEED	12.0	7.0	3.0	M/H
SKY CONDITION	OVERCAST	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9394	****/****	3.00/3.00	5.00/5.00	IN
05-20-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	2.00/4.00	IN
RAGWEED, COMMON	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/16	
	****/****	1.00/1.00	2.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	3.00/4.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST  
 12 = POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	GLXMA	PHBPU	ABUTH	CHEAL	
	RATE	UNIT	TM	CON % 06-17-96	CON % 06-17-96	CON % 06-25-96	CON % 06-25-96	CON % 06-25-96	CON % 06-25-96	
1A AUTHORITY BEF6025 25WG	0.16 0.032	LAA LAA	9 9	0	60	0	90	99	99	
2A AUTHORITY BEF6025 25WG	0.2 0.04	LAA LAA	9 9	2	88	0	93	99	99	
3A AUTHORITY BEF6025 25WG	0.23 0.046	LAA LAA	9 9	3	93	0	95	99	99	
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
5A CANOPY (75WG)	0.28	LAA	9	2	77	0	83	98	99	
6A PURSUIT PLUS (2.9EC)	0.94	LAA	9	0	93	0	92	98	99	
7A AUTHORITY BEF6025 25WG C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	10	95	5	96	99	99	
8A AUTHORITY BEF6025 25WG CESYNCHRONY STS 42DF DECOC	0.16 0.032 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	0	77	5	93	99	99	
9A PURSUIT (2SL) B PINNACLE (25WG) CEACTIVATE PLUS D FERTILIZER - 28XUAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	0	0	8	68	99	99	
10A PURSUIT (2SL) B BLAZER (2SL) CESUNIT II D FERTILIZER - 28XUAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	0	0	13	90	99	99	
11A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28XUAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	3	85	5	75	99	99	
12A HAND WEEDED	0.00	NA	0	0	96	0	99	99	99	
				LSD (0.05)	7.1	13.0	5.4	4.3	1.6	0.0
				STANDARD DEVIATION	4.4	38.6	4.9	26.1	27.3	27.4

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMBEL	GLXMA	PHBPU	ABUTH	CHEAL	
	RATE	UNIT		CON % 06-25-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
1A AUTHORITY BEF6025 25WG	0.16 0.032	LAA LAA	9 9	99	0	90	99	99	
2A AUTHORITY BEF6025 25WG	0.2 0.04	LAA LAA	9 9	99	0	93	99	99	
3A AUTHORITY BEF6025 25WG	0.23 0.046	LAA LAA	9 9	99	0	95	98	99	
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	
5A CANOPY (75WG)	0.28	LAA	9	99	0	80	99	99	
6A PURSUIT PLUS (2.9EC)	0.94	LAA	9	99	0	92	99	99	
7A AUTHORITY BEF6025 25WG C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	99	0	95	99	99	
8A AUTHORITY BEF6025 25WG C SYNCHRONY STS 42DF D ECOC	0.16 0.032 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	99	0	96	98	99	
9A PURSUIT (2SL) B PINNACLE (25WG) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	96	0	68	96	98	
10A PURSUIT (2SL) B BLAZER (2SL) C SUNIT II D FERTILIZER - 28%UAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	99	5	82	90	93	
11A PROWL 3.3EC B PURSUIT (2SL) C SUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	99	0	80	98	99	
12A HAND WEEDED	0.00	NA	0	99	0	99	99	99	
				LSD (0.05) 27.3	2.5 1.8	2.4 1.8	6.8 26.1	4.8 27.2	5.5 27.4

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMBEL CON %		YIELD BU/A
	RATE	UNIT		07-23-96	10-28-96	
1A AUTHORITY B EF6025 25WG	0.16 0.032	LAA LAA	9 9	99	42.5	
2A AUTHORITY B EF6025 25WG	0.2 0.04	LAA LAA	9 9	99	40.8	
3A AUTHORITY B EF6025 25WG	0.23 0.046	LAA LAA	9 9	99	44.6	
4A UNTREATED CHECK	0.00	NA	0	0	20.8	
5A CANOPY (75WG)	0.28	LAA	9	99	42.5	
6A PURSUIT PLUS (2.9EC)	0.94	LAA	9	99	40.5	
7A AUTHORITY B EF6025 25WG C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	99	40.6	
8A AUTHORITY B EF6025 25WG C SYNCHRONY STS 42DF D ECOC	0.16 0.032 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	99	42.5	
9A PURSUIT (2SL) B PINNACLE (25WG) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	93	32.5	
10A PURSUIT (2SL) B BLAZER (2SL) C SUNIT II D FERTILIZER - 28%UAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	96	31.1	
11A PROWL 3.3EC B PURSUIT (2SL) C SUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	96	34.7	
12A HAND WEEDED	0.00	NA	0	99	42.4	
				LSD (0.05) 4.3	13.8	
				STANDARD DEVIATION 27.2	9.5	

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-21-96	MDY
AIR TEMPERATURE	80	½F
% REL.HUMIDITY	40	
WIND DIRECTION	NORTH	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-21-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

\* TIMING CODES

09 = PREEMERGENCE

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE



## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.6  
%OM: 4.7  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 4  
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	12	13	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-24-96	06-28-96	MDY
AIR TEMPERATURE	80	85	½F
% REL. HUMIDITY	70	70	
WIND DIRECTION	NORTHWEST	SOUTH	
WIND SPEED	3.0	5.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/12	HGH/13	
ASGROW A2704STS	5.00/5.00	6.00/6.00	IN
05-24-96			
*** CROP ***			
SOYBEAN	HGH/12	HGH/13	
PIONEER 9281	5.00/5.00	6.00/6.00	IN
05-24-96			

## \* TIMING CODES

12 = POST  
13 = LPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 2.0 lb Dual II and 0.375 lb Sencor 5-30-96

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	GLXMA	YIELD
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-22-96	BU/A 10-16-96
1A UNTREATED CHECK	0.00	NA	0	0	0	53.5
BEA2704 STS	0.00	NA	0			
2A PURSUIT (2SL)	0.063	LAA	12	4	0	57.2
BEMSO	0.75	PMV	12			
C FERTILIZER - 28%UAN	2.5	PMV	12			
DEA2704 STS	0.00	NA	0			
3A PURSUIT (2SL)	0.063	LAA	13	11	0	51.3
B COBRA (2EC)	0.063	LAA	13			
CEMSO	0.5	PMV	13			
D FERTILIZER - 28%UAN	2.5	PMV	13			
E EA2704 STS	0.00	NA	0			
4A ESYNCHRONY STS 42DF	0.013	LAA	12	4	0	54.6
BECCO	1.00	PMV	12			
C FERTILIZER - 28%UAN	2.5	PMV	12			
DEA2704 STS	0.00	NA	0			
5A ESYNCHRONY STS 42DF	0.013	LAA	13	19	1	52.9
BECCO	1.00	PMV	13			
C FERTILIZER - 28%UAN	2.5	PMV	13			
DEA2704 STS	0.00	NA	0			
6A ESYNCHRONY STS 42DF	0.013	LAA	13	19	0	52.9
B COBRA (2EC)	0.063	LAA	13			
CECCO	0.5	PMV	13			
D FERTILIZER - 28%UAN	2.5	PMV	13			
E EA2704 STS	0.00	NA	0			
7A UNTREATED CHECK	0.00	NA	0	0	0	48.6
BE P9281 SOYBEAN	0.00	NA	0			
8A PURSUIT (2SL)	0.063	LAA	12	8	0	49.2
BEMSO	0.75	PMV	12			
C FERTILIZER - 28%UAN	2.5	PMV	12			
DE P9281 SOYBEAN	0.00	NA	0			
9A PURSUIT (2SL)	0.063	LAA	13	14	0	49.7
B COBRA (2EC)	0.063	LAA	13			
CEMSO	0.5	PMV	13			
D FERTILIZER - 28%UAN	2.5	PMV	13			
E EP9281 SOYBEAN	0.00	NA	0			
		LSD (0.05)		6.0	1.2	8.7
		STANDARD DEVIATION		7.8	0.8	7.6

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN LIBERTY-LINK SOYBEANS APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
<b>TIMINGS</b>	09	11	12	13	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	05-24-96	06-17-96	06-21-96	06-27-96	MDY
<b>AIR TEMPERATURE</b>	71	83	82	81	½F
<b>% REL.HUMIDITY</b>	85	80	80	60	
<b>WIND DIRECTION</b>	EAST	SOUTHWEST	SOUTH	NA/NONE	
<b>WIND SPEED</b>	3.0	5.0	2.0	0.0	M/H
<b>SKY CONDITION</b>	CLOUDY	CLOUDY	CLEAR	CLEAR	
<b>LEAF MOISTURE</b>	DRY	MOIST	MOIST	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	GPA	
<b>PRESSURE</b>	30.00	30.00	30.00	30.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
<b>*** CROP ***</b>					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
GLUFOSINATE TOLE	****/****	3.00/3.00	3.00/5.00	6.00/6.00	IN
05-24-96					
<b>*** PEST ***</b>					
PIGWEEED, SMOOTH	HGH/NA	HGH/13	HGH/15	HGH/17	
	****/****	1.00/2.00	2.00/3.00	3.00/5.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/11	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/2.00	3.00/4.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	HGH/14	HGH/16	
	****/****	2.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	3.00/5.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST  
 12 = POST  
 13 = LPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	POLPY	AMACH	PHBPU	GLXMA
	RATE	UNIT		CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-23-96
1AELIBERTY	0.267	LAA	12	13	95	97	98	85	5
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
2AELIBERTY	0.356	LAA	12	7	99	99	99	96	0
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
3AELIBERTY	0.356	LAA	12	5	99	99	99	97	2
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
C CULTIVATE 14DAT	0.00	NA	0						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A SENCOR DF (75WG)	0.375	LAA	9	2	98	98	99	96	0
B ELIBERTY	0.356	LAA	12						
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
6A PROWL 3.3EC	1.00	LAA	9	5	99	96	99	95	0
B ELIBERTY	0.356	LAA	12						
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
7AELIBERTY	0.356	LAA	12	7	99	99	99	99	0
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
C ELIBERTY	0.267	LAA	13						
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
8AELIBERTY	0.267	LAA	12	5	99	99	99	99	2
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
C ELIBERTY	0.267	LAA	13						
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
9A PROWL 3.3EC	1.00	LAA	9	2	97	98	98	87	0
B PURSUIT (2SL)	0.063	LAA	11						
C SUNIT II	0.75	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
10AELIBERTY	0.356	LAA	12	5	99	99	99	99	0
B PURSUIT (2SL)	0.031	LAA	12						
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
11A GALAXY (3.67SL)	0.92	LAA	12	13	99	99	99	81	5
B POAST (1.5EC)	0.3	LAA	12						
C COC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
12AELIBERTY	0.267	LAA	12	33	98	99	99	96	8
B PINNACLE (25WG)	0.004	LAA	12						
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
		LSD (0.05)		6.3	2.0	2.3	1.5	3.3	3.4
		STANDARD DEVIATION		9.1	27.2	27.2	27.3	26.5	3.2

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	POLPY	AMACH	PHBPU
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1AELIBERTY	0.267	LAA	12	90	93	89	83
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
2AELIBERTY	0.356	LAA	12	93	98	90	88
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
3AELIBERTY	0.356	LAA	12	96	99	93	88
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
C ECULTIVATE 14DAT	0.00	NA	0				
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0
5A SENCOR DF (75WG)	0.375	LAA	9	93	98	93	92
B ELIBERTY	0.356	LAA	12				
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
6A PROWL 3.3EC	1.00	LAA	9	96	96	98	93
B ELIBERTY	0.356	LAA	12				
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
7AELIBERTY	0.356	LAA	12	96	99	98	98
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
C ELIBERTY	0.267	LAA	13				
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13				
8AELIBERTY	0.267	LAA	12	98	99	99	98
B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
C ELIBERTY	0.267	LAA	13				
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13				
9A PROWL 3.3EC	1.00	LAA	9	93	95	98	85
B PURSUIT (2SL)	0.063	LAA	11				
C SUNIT II	0.75	PMV	11				
D FERTILIZER - 28%UAN	1.25	PMV	11				
10AELIBERTY	0.356	LAA	12	95	98	98	96
B PURSUIT (2SL)	0.031	LAA	12				
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
11A GALAXY (3.67SL)	0.92	LAA	12	96	99	91	75
B POAST (1.5EC)	0.3	LAA	12				
C ECOC	0.625	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
12AELIBERTY	0.267	LAA	12	83	98	93	87
B PINNACLE (25WG)	0.004	LAA	12				
C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
		LSD (0.05)		4.2	6.4	12.1	10.0
		STANDARD DEVIATION		26.3	27.1	26.9	26.1

£ = SUPPLEMENTAL CHEMICAL

PAGE #195 WEED CONTROL IN ROUNDUP READY SOYBEANS IN 7.5-INCH ROWS APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.1  
 %OM: 5.5  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-16-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	78	88	79	80	½F
% REL.HUMIDITY	50	75	73	60	
WIND DIRECTION	NA/NONE	SOUTH	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	5.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-22-96				MDY
INC. START	10:00				24H
INC. END	10:15				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	4.00/5.00	6.00/6.00	IN
05-22-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/12	HGH/15	HGH/18	
	****/****	1.00/2.00	2.00/5.00	4.00/8.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/12	HGH/15	HGH/19	
	****/****	1.00/1.00	2.00/3.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/13	HGH/16	HGH/19	
	****/****	1.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	2.00/2.00	3.00/5.00	4.00/6.00	IN

APPLICATIONS

\* TIMING CODES

07 = PREPLANT INCORPORATED  
11 = EPOST  
12 = POST  
13 = LPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	AMACH	AMATA	GLXMA
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-25-96
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	0	99	87	99	99	0
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	0	99	87	99	99	0
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	2	99	93	99	99	0
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	2	99	70	99	93	2
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	0	99	85	99	95	0
7A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	0	96	90	99	99	0
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	0	99	95	99	99	2
9A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	5	98	96	99	99	2
10AEFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	2	96	95	99	99	0
11AECOMMAND 3ME BEAUTHORITY CEF6025 25WG	0.75 0.2 0.04	LAA LAA LAA	7 7 7	2	93	96	99	99	0
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	5	96	83	99	99	0
13A PURSUIT (2SL) B PINNACLE (25WG) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	7	92	92	99	99	0
14A CONCERT (25WG) B ASSURE II (0.88EC) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	18	99	88	99	99	8
15A GALAXY (3.67SL) B POAST (1.5EC) CECOC D FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	13	96	88	96	99	5
16AEHAND WEDED	0.00	NA	0	0	99	99	99	99	0
				LSL (0.05)	5.8	2.8	11.4	2.2	2.3
				STANDARD DEVIATION	6.0	23.7	23.4	24.0	2.5

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	AMACH	AMATA	YIELD
	RATE	UNIT		CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	BU/A 10-15-96
1A ROUNDUP (3SL) BACTIVATOR 90	0.38 0.5	LAA PMV	12 12	99	88	99	99	58.3
2A ROUNDUP (3SL) BACTIVATOR 90	0.56 0.5	LAA PMV	12 12	99	87	99	99	69.2
3A ROUNDUP (3SL) BACTIVATOR 90	0.75 0.5	LAA PMV	12 12	99	95	99	99	70.8
4A ROUNDUP (3SL) BACTIVATOR 90	0.38 0.5	LAA PMV	13 13	98	75	99	97	54.0
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	48.0
6A ROUNDUP (3SL) BACTIVATOR 90	0.56 0.5	LAA PMV	13 13	96	87	99	96	75.1
7A ROUNDUP (3SL) BACTIVATOR 90	0.75 0.5	LAA PMV	13 13	97	92	99	99	71.7
8A ROUNDUP (3SL) BACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	99	95	99	99	69.2
9A ROUNDUP (3SL) BACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	99	96	99	99	72.6
10AEFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	95	86	99	99	62.3
11AECOMMAND 3ME BEAUTHORITY CEF6025 25WG	0.75 0.2 0.04	LAA LAA LAA	7 7 7	95	93	99	99	64.9
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	95	82	99	99	69.1
13A PURSUIT (2SL) B PINNACLE (25WG) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	92	90	99	99	64.2
14A CONCERT (25WG) B ASSURE II (0.88EC) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	98	85	99	98	62.5
15A GALAXY (3.67SL) B POAST (1.5EC) CECOC D FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	96	87	94	96	61.6
16AEHAND WEDED	0.00	NA	0	99	99	99	99	65.0
		LSD (0.05)		3.1	11.1	3.4	2.6	18.0
		STANDARD DEVIATION		23.6	23.0	24.0	23.9	11.1

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIX  
PH: 6.1  
%OM: 5.5  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
<b>TIMINGS</b>	07	11	12	13	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	05-22-96	06-16-96	06-20-96	06-27-96	MDY
<b>AIR TEMPERATURE</b>	80	88	79	80	½F
<b>% REL. HUMIDITY</b>	50	75	73	60	
<b>WIND DIRECTION</b>	NA/NONE	SOUTH	SOUTHWEST	NA/NONE	
<b>WIND SPEED</b>	0.0	5.0	3.0	0.0	M/H
<b>SKY CONDITION</b>	CLEAR	CLEAR	PARTCLDY	CLEAR	
<b>LEAF MOISTURE</b>	DRY	DRY	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	GPA	
<b>PRESSURE</b>	30.00	30.00	30.00	30.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	WATER	
<b>INC. DATE</b>	05-22-96				MDY
<b>INC. START</b>	10:00				24H
<b>INC. END</b>	10:15				24H
<b>INC. DEPTH</b>	2				IN
<b>INC. EQUIPMENT</b>	CULTFIELD				
DENSITY / STAGE / MIN&MAX SIZE					
<b>*** CROP ***</b>					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	4.00/5.00	6.00/6.00	IN
05-22-96					
<b>*** PEST ***</b>					
VELVETLEAF	HGH/NA	HGH/13	HGH/15	HGH/17	
	****/****	1.00/2.00	2.00/4.00	4.00/8.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/14	HGH/16	HGH/19	
	****/****	1.00/3.00	2.00/4.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/14	HGH/16	HGH/19	
	****/****	1.00/3.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	3.00/6.00	IN

APPLICATIONS

★ TIMING CODES

07 = PREPLANT INCORPORATED  
11 = EPOST  
12 = POST  
13 = LPOST

★ STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	AMACH	AMATA	GLXMA	
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-25-96	
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	0	98	95	99	99	0	
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	0	96	93	99	99	0	
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	0	95	95	99	99	0	
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	0	96	90	99	98	0	
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
6A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	0	96	80	99	98	0	
7A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	0	98	92	99	95	0	
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	0	99	90	99	99	0	
9A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	0	99	92	99	99	0	
10AEFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	0	95	93	99	99	0	
11AECOMMAND 3ME BEAUTHORITY CEF6025 25WG	0.75 0.2 0.04	LAA LAA LAA	7 7 7	0	92	99	99	99	0	
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%JAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	2	98	90	99	99	0	
13A PURSUIT (2SL) B PINNACLE (25WG) CEACTIVATOR 90 D FERTILIZER - 28%JAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	0	90	93	99	99	0	
14A CONCERT (25WG) B ASSURE II (0.88EC) CEACTIVATOR 90 D FERTILIZER - 28%JAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	8	98	87	99	96	3	
15A GALAXY (3.67SL) B POAST (1.5EC) CECOC D FERTILIZER - 28%JAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	8	98	85	94	99	2	
16AEHAND WEDED	0.00	NA	0	0	99	99	99	99	0	
				LSD (0.05)	2.1	3.5	5.6	3.4	3.1	1.8
				STANDARD DEVIATION	2.9	23.5	22.8	24.0	23.9	1.2

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	AMACH	AMATA	YIELD BU/A 10-15-96
	RATE	UNIT		CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	96	93	99	99	70.8
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	98	93	99	99	63.2
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	99	93	99	99	73.3
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	96	92	99	98	71.6
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	48.8
6A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	96	87	96	98	69.1
7A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	99	94	99	98	63.2
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	99	90	99	99	64.0
9A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	99	92	99	99	65.8
10AEFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	95	95	99	99	68.2
11AECOMMAND 3ME BEAUTHORITY CEF6025 25WG	0.75 0.2 0.04	LAA LAA LAA	7 7 7	92	95	99	99	68.4
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	99	90	99	99	68.2
13A PURSUIT (2SL) B PINNACLE (25WG) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	92	92	99	99	69.1
14A CONCERT (25WG) B ASSURE II (0.88EC) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	98	83	99	96	67.2
15A GALAXY (3.67SL) B POAST (1.5EC) CECOC D FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	98	83	94	98	55.7
16AEHAND WEDED	0.00	NA	0	99	99	99	99	67.5
				LSD (0.05) 2.7	5.0	3.9	3.0	9.9
				STANDARD DEVIATION 23.6	22.6	24.0	23.9	7.7

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIX  
PH: 6.1  
%OM: 5.5  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-16-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	81	88	79	80	½F
% REL. HUMIDITY	50	75	73	60	
WIND DIRECTION	NA/NONE	SOUTH	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	5.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-22-96				MDY
INC. START	10:00				24H
INC. END	10:15				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	4.00/5.00	6.00/6.00	IN
05-22-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/13	HGH/15	HGH/18	
	****/****	1.00/2.00	2.00/5.00	4.00/8.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/12	HGH/15	HGH/19	
	****/****	1.00/1.00	2.00/3.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/13	HGH/17	HGH/19	
	****/****	1.00/2.00	4.00/5.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	2.00/3.00	3.00/4.00	4.00/6.00	IN

APPLICATIONS

\* TIMING CODES

07 = PREPLANT INCORPORATED  
11 = EPOST  
12 = POST  
13 = LPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	AMACH	AMATA	YIELD
	RATE	UNIT	TM	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	BU/A 10-15-96
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	93	73	99	86	49.0
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	95	75	93	90	58.3
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	95	83	94	93	59.9
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	93	48	90	60	48.1
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	25.3
6A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	95	70	96	88	54.0
7A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	96	77	95	87	60.8
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	99	85	99	96	56.5
9A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	98	87	99	99	52.3
10AEFIRSTRATE 84WG B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	83	85	99	99	56.5
11AECOMMAND 3ME BEAUTHORITY CEF6025 25WG	0.75 0.2 0.04	LAA LAA LAA	7 7 7	70	87	99	99	49.0
12A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	96	73	99	98	56.6
13A PURSUIT (2SL) B PINNACLE (25WG) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	87	78	99	94	51.5
14A CONCERT (25WG) B ASSURE II (0.88EC) CEACTIVATOR 90 D FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	95	50	98	90	41.3
15A GALAXY (3.67SL) B POAST (1.5EC) CECOC D FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	96	57	85	91	36.2
16AEHAND WEDED	0.00	NA	0	99	99	99	99	60.8
				LSD (0.05) 5.9	11.2	5.5	9.3	12.0
				STANDARD DEVIATION 23.7	23.2	23.8	24.4	11.1

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.1  
 %OM: 5.5  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	85	79	80	½F
% REL. HUMIDITY	50	73	60	
WIND DIRECTION	NA/NONE	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/5.00	6.00/6.00	IN
05-22-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/14	HGH/18	
	****/****	2.00/4.00	4.00/8.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/16	HGH/19	
	****/****	2.00/3.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/15	HGH/19	
	****/****	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	HGH/14	
	****/****	2.00/4.00	3.00/6.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
 12 = POST  
 13 = LPOST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	AMACH	AMATA	GLXMA
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-25-96
1A LASSO MICRO-TECH (4CS)	2.5	LAA	9	0	99	77	99	99	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
2A FRONTIER 6.0EC	1.17	LAA	9	0	99	88	99	96	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
3A PROWL 3.3EC	1.00	LAA	9	0	98	90	99	99	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
4A CANOPY (75WG)	0.28	LAA	9	5	97	96	98	99	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A AUTHORITY	0.313	LAA	9	0	95	95	99	99	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
7A FIRSTRATE 84WG	0.031	LAA	9	0	98	96	98	99	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
8A FRONTIER 6.0EC	0.94	LAA	12	7	99	87	99	90	2
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
9A PURSUIT (2SL)	0.063	LAA	12	7	78	57	96	66	7
B ACTIVATE PLUS	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
10A EXPERT 75WP	0.07	LAA	12	5	33	78	87	80	5
B ACTIVATE PLUS	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
11A FIRSTRATE 84WG	0.016	LAA	12	0	27	83	30	40	0
B ACTIVATE PLUS	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
12A ROUNDUP (3SL)	0.56	LAA	12	0	99	75	99	95	0
B ACTIVATE PLUS	0.5	PMV	12						
13A PURSUIT (2SL)	0.063	LAA	12	5	98	80	99	98	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
14A EXPERT 75WP	0.07	LAA	12	0	98	83	99	98	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
15A FIRSTRATE 84WG	0.016	LAA	12	0	96	82	98	95	0
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATE PLUS	0.5	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
16A PURSUIT (2SL)	0.063	LAA	12	7	93	75	99	99	2
B ACTIVATE PLUS	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E ACTIVATE PLUS	0.5	PMV	13						
17A EXPERT 75WP	0.07	LAA	12	0	85	78	98	95	0
B ACTIVATE PLUS	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E ACTIVATE PLUS	0.5	PMV	13						
18A FIRSTRATE 84WG	0.016	LAA	12	2	96	80	98	93	0
B ACTIVATE PLUS	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E ACTIVATE PLUS	0.5	PMV	13						



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	AMACH	AMATA	GLXMA	
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-25-96	
19A ROUNDUP (3SL)	0.56	LAA	12	0	99	92	99	99	0	
BEACTIVATE PLUS	0.5	PMV	12							
C ROUNDUP (3SL)	0.56	LAA	13							
DEACTIVATE PLUS	0.5	PMV	13							
20AEHAND WEDED	0.00	NA	0	0	99	99	99	99	0	
				LSD (0.05)	2.1	9.0	7.0	2.9	11.5	1.7
				STANDARD DEVIATION	2.9	28.4	20.9	25.5	25.1	2.0

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	AMACH	AMATA	YIELD
	RATE	UNIT	TM	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	BU/A 10-15-96
1A LASSO MICRO-TECH (4CS)	2.5	LAA	9	98	68	99	99	60.7
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
2A FRONTIER 6.0EC	1.17	LAA	9	96	80	99	99	59.0
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
3A PROWL 3.3EC	1.00	LAA	9	96	80	99	98	63.3
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
4A CANOPY (75WG)	0.28	LAA	9	95	90	98	99	63.3
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	22.8
6A AUTHORITY	0.313	LAA	9	93	93	99	98	60.8
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
7A FIRSTRATE 84WG	0.031	LAA	9	93	92	98	98	53.7
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
8A FRONTIER 6.0EC	0.94	LAA	12	98	83	96	88	59.9
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
9A PURSUIT (2SL)	0.063	LAA	12	82	52	96	55	40.5
B ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
10A EXPERT 75WP	0.07	LAA	12	37	72	80	72	43.9
B ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
11A FIRSTRATE 84WG	0.016	LAA	12	37	75	40	43	46.4
B ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
12A ROUNDUP (3SL)	0.56	LAA	12	98	70	98	93	49.8
B ACTIVATE PLUS	0.5	PMV	12					
13A PURSUIT (2SL)	0.063	LAA	12	95	77	99	95	59.1
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
14A EXPERT 75WP	0.07	LAA	12	95	82	99	98	65.8
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
15A FIRSTRATE 84WG	0.016	LAA	12	95	80	96	93	57.4
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
16A PURSUIT (2SL)	0.063	LAA	12	95	75	99	99	54.9
B ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
D ROUNDUP (3SL)	0.56	LAA	13					
E ACTIVATE PLUS	0.5	PMV	13					
17A EXPERT 75WP	0.07	LAA	12	90	78	96	93	54.0
B ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
D ROUNDUP (3SL)	0.56	LAA	13					
E ACTIVATE PLUS	0.5	PMV	13					
18A FIRSTRATE 84WG	0.016	LAA	12	96	80	96	90	54.9
B ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
D ROUNDUP (3SL)	0.56	LAA	13					
E ACTIVATE PLUS	0.5	PMV	13					

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	AMACH	AMATA	YIELD
	RATE	UNIT	TM	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	CON % 07-25-96	BU/A 10-15-96
19A ROUNDUP (3SL)	0.56	LAA	12	99	87	99	99	59.9
BEACTIVATE PLUS	0.5	PHV	12					
C ROUNDUP (3SL)	0.56	LAA	13					
DEACTIVATE PLUS	0.5	PHV	13					
20AEHAND WEDED	0.00	NA	0	99	99	99	99	62.5
				LSD (0.05) 8.7	7.3	5.0	8.3	11.6
				STANDARD DEVIATION 26.6	20.4	24.4	25.0	11.4

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.1  
 %OM: 5.5  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
<b>TIMINGS</b>	12	13	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	06-20-96	06-24-96	MDY
<b>AIR TEMPERATURE</b>	79	81	½F
<b>% REL.HUMIDITY</b>	73	75	
<b>WIND DIRECTION</b>	SOUTHWEST	NORTHWEST	
<b>WIND SPEED</b>	3.0	3.0	M/H
<b>SKY CONDITION</b>	PARTCLDY	CLEAR	
<b>LEAF MOISTURE</b>	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	
<b>PRESSURE</b>	30.00	30.00	PSI
<b>DILUENT</b>	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
<b>*** CROP ***</b>			
SOYBEAN	HGH/12	HGH/13	
PIONEER 9394	4.00/5.00	6.00/6.00	IN
05-24-96			
<b>*** PEST ***</b>			
VELVETLEAF	HGH/14	HGH/NA	
	2.00/4.00	****/****	IN
PIGWEEED, SMOOTH	HGH/16	HGH/NA	
	1.00/3.00	****/****	IN
FOXTAIL, GIANT	HGH/13	HGH/14	
	2.00/5.00	3.00/6.00	IN

## \* TIMING CODES

12 = POST  
 13 = LPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	AMACH	GLXMA	SETFA
	RATE	UNIT	TM	CON % 06-30-96	CON % 06-30-96	CON % 06-30-96	CON % 06-30-96	CON % 07-18-96	CON % 07-18-96
1A RESOURCE (0.86EC) BECOC C SELECT (2EC) DECOC	0.027 0.5 0.125 1.00	LAA PMV LAA PMV	12 12 13 13	5	80	99	73	0	92
2A RESOURCE (0.86EC) B PURSUIT (2SL) C PINNACLE (25WG) DECOC E FERTILIZER - 28%UAN	0.027 0.063 0.0016 0.5 2.5	LAA LAA LAA PMV PMV	12 12 12 12 12	8	83	96	83	0	62
3A RESOURCE (0.86EC) B GALAXY (3.67SL) CECOC D SELECT (2EC) EECOC	0.027 0.92 0.5 0.125 1.00	LAA LAA PMV LAA PMV	12 12 12 13 13	10	87	99	87	0	96
4A RESOURCE (0.86EC) B PURSUIT (2SL) CECOC D FERTILIZER - 28%UAN	0.027 0.063 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	7	85	99	85	0	65
5A RESOURCE (0.86EC) B GALAXY (3.67SL) C SELECT (2EC) DECOC	0.027 0.92 0.125 0.5	LAA LAA LAA PMV	12 12 12 12	10	90	99	83	0	88
6A PURSUIT (2SL) BECOC C FERTILIZER - 28%UAN	0.063 0.5 2.5	LAA PMV PMV	12 12 12	8	82	70	75	0	82
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A GALAXY (3.67SL) BECOC C SELECT (2EC) DECOC	0.92 0.5 0.125 1.00	LAA PMV LAA PMV	12 12 13 13	10	80	82	77	0	92
9A SELECT (2EC) BECOC	0.125 1.00	LAA PMV	12 12	2	93	0	0	0	93
10A RESOURCE (0.86EC) B STORM (4SL) CECOC D SELECT (2EC) EECOC	0.027 0.75 0.5 0.125 1.00	LAA LAA PMV LAA PMV	12 12 12 13 13	12	87	99	83	0	95
11A RESOURCE (0.86EC) B STORM (4SL) C SELECT (2EC) DECOC	0.027 0.75 0.125 0.5	LAA LAA LAA PMV	12 12 12 12	12	93	99	87	0	95
12A PINNACLE (25WG) BECOC C FERTILIZER - 28%UAN D SELECT (2EC) EECOC	0.0016 0.5 2.5 0.125 1.00	LAA PMV PMV LAA PMV	12 12 12 13 13	5	68	68	73	0	85
13A RESOURCE (0.86EC) B REFLEX 2LC (2SL) CECOC D SELECT (2EC) EECOC	0.027 0.25 0.5 0.125 1.00	LAA LAA PMV LAA PMV	12 12 12 13 13	10	78	99	91	0	93
14A RESOURCE (0.86EC) B REFLEX 2LC (2SL) C SELECT (2EC) DECOC	0.027 0.25 0.125 0.5	LAA LAA LAA PMV	12 12 12 12	10	93	99	92	0	93
15A REFLEX 2LC (2SL) BECOC C SELECT (2EC) DECOC	0.25 0.5 0.125 0.5	LAA PMV LAA PMV	12 12 13 13	5	83	87	94	0	92

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA	SETFA	ABUTH	AMACH	GLXMA	SETFA	
				CON % 06-30-96	CON % 06-30-96	CON % 06-30-96	CON % 06-30-96	CON % 07-18-96	CON % 07-18-96	
16A RESOURCE (0.86EC)	0.027	LAA	12	17	82	96	85	2	92	
B CLASSIC (25WG)	0.008	LAA	12							
C PINNACLE (25WG)	0.0016	LAA	12							
DÉCOC	0.5	PMV	12							
E SELECT (2EC)	0.125	LAA	13							
FÉCOC	1.00	PMV	13							
17A RESOURCE (0.86EC)	0.027	LAA	12	20	87	99	87	3	88	
B CLASSIC (25WG)	0.008	LAA	12							
C PINNACLE (25WG)	0.0016	LAA	12							
D SELECT (2EC)	0.125	LAA	12							
EÉCOC	1.00	PMV	12							
18A CLASSIC (25WG)	0.008	LAA	12	15	72	75	80	3	85	
B PINNACLE (25WG)	0.0016	LAA	12							
CÉCOC	0.5	PMV	12							
D SELECT (2EC)	0.125	LAA	13							
EÉCOC	1.00	PMV	13							
19AÉFLEXSTAR 1.88ME	0.313	LAA	12	8	82	87	90	0	96	
BÉMSO	0.5	PMV	12							
C SELECT (2EC)	0.125	LAA	13							
DÉCOC	1.00	PMV	13							
20A RESOURCE (0.86EC)	0.027	LAA	12	15	90	96	95	0	98	
BÉFLEXSTAR 1.88ME	0.313	LAA	12							
CÉMSO	0.5	PMV	12							
D SELECT (2EC)	0.125	LAA	13							
EÉCOC	1.00	PMV	13							
21A RESOURCE (0.86EC)	0.027	LAA	12	12	95	99	95	0	98	
BÉFLEXSTAR 1.88ME	0.313	LAA	12							
C SELECT (2EC)	0.125	LAA	12							
DÉMSO	0.5	PMV	12							
22AÉFLEXSTAR 1.88ME	0.2	LAA	12	8	83	82	92	0	95	
BÉMSO	0.5	PMV	12							
C SELECT (2EC)	0.125	LAA	13							
DÉCOC	1.00	PMV	13							
23A RESOURCE (0.86EC)	0.027	LAA	12	10	88	98	93	2	95	
BÉFLEXSTAR 1.88ME	0.2	LAA	12							
CÉMSO	0.5	PMV	12							
D SELECT (2EC)	0.125	LAA	13							
EÉCOC	1.00	PMV	13							
24A RESOURCE (0.86EC)	0.027	LAA	12	10	95	99	92	0	99	
BÉFLEXSTAR 1.88ME	0.2	LAA	12							
C SELECT (2EC)	0.141	LAA	12							
DÉMSO	0.5	PMV	12							
				LSD (0.05)	3.5	8.0	9.4	8.5	1.8	6.4
				STANDARD DEVIATION	4.7	19.3	27.6	25.1	1.4	20.4

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	AMACH
	RATE	UNIT		CON % 07-18-96	CON % 07-18-96
1A RESOURCE (0.86EC)	0.027	LAA	12	98	52
BECOC	0.5	PMV	12		
C SELECT (2EC)	0.125	LAA	13		
DECOC	1.00	PMV	13		
2A RESOURCE (0.86EC)	0.027	LAA	12	96	83
B PURSUIT (2SL)	0.063	LAA	12		
C PINNACLE (25WG)	0.0016	LAA	12		
DECOC	0.5	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
3A RESOURCE (0.86EC)	0.027	LAA	12	98	78
B GALAXY (3.67SL)	0.92	LAA	12		
C ECOC	0.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
4A RESOURCE (0.86EC)	0.027	LAA	12	99	78
B PURSUIT (2SL)	0.063	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
5A RESOURCE (0.86EC)	0.027	LAA	12	98	72
B GALAXY (3.67SL)	0.92	LAA	12		
C SELECT (2EC)	0.125	LAA	12		
DECOC	0.5	PMV	12		
6A PURSUIT (2SL)	0.063	LAA	12	68	80
BECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
7A UNTREATED CHECK	0.00	NA	0	0	0
8A GALAXY (3.67SL)	0.92	LAA	12	77	73
BECOC	0.5	PMV	12		
C SELECT (2EC)	0.125	LAA	13		
DECOC	1.00	PMV	13		
9A SELECT (2EC)	0.125	LAA	12	0	0
BECOC	1.00	PMV	12		
10A RESOURCE (0.86EC)	0.027	LAA	12	98	82
B STORM (4SL)	0.75	LAA	12		
C ECOC	0.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
11A RESOURCE (0.86EC)	0.027	LAA	12	96	85
B STORM (4SL)	0.75	LAA	12		
C SELECT (2EC)	0.125	LAA	12		
DECOC	0.5	PMV	12		
12A PINNACLE (25WG)	0.0016	LAA	12	68	67
BECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
13A RESOURCE (0.86EC)	0.027	LAA	12	96	87
B REFLEX 2LC (2SL)	0.25	LAA	12		
C ECOC	0.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
14A RESOURCE (0.86EC)	0.027	LAA	12	99	90
B REFLEX 2LC (2SL)	0.25	LAA	12		
C SELECT (2EC)	0.125	LAA	12		
DECOC	0.5	PMV	12		
15A REFLEX 2LC (2SL)	0.25	LAA	12	88	90
BECOC	0.5	PMV	12		
C SELECT (2EC)	0.125	LAA	13		
DECOC	0.5	PMV	13		

TRT COMPOUND NUM TESTED	DOSAGE			ABUTH	AMACH
	RATE	UNIT	TM	CON % 07-18-96	CON % 07-18-96
16A RESOURCE (0.86EC)	0.027	LAA	12	98	85
B CLASSIC (25WG)	0.008	LAA	12		
C PINNACLE (25WG)	0.0016	LAA	12		
D ECOC	0.5	PMV	12		
E SELECT (2EC)	0.125	LAA	13		
F ECOC	1.00	PMV	13		
17A RESOURCE (0.86EC)	0.027	LAA	12	99	80
B CLASSIC (25WG)	0.008	LAA	12		
C PINNACLE (25WG)	0.0016	LAA	12		
D SELECT (2EC)	0.125	LAA	12		
E ECOC	1.00	PMV	12		
18A CLASSIC (25WG)	0.008	LAA	12	75	88
B PINNACLE (25WG)	0.0016	LAA	12		
C ECOC	0.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
19A FLEXSTAR 1.88ME	0.313	LAA	12	85	88
B EMSO	0.5	PMV	12		
C SELECT (2EC)	0.125	LAA	13		
D ECOC	1.00	PMV	13		
20A RESOURCE (0.86EC)	0.027	LAA	12	95	96
B FLEXSTAR 1.88ME	0.313	LAA	12		
C EMSO	0.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
21A RESOURCE (0.86EC)	0.027	LAA	12	96	93
B FLEXSTAR 1.88ME	0.313	LAA	12		
C SELECT (2EC)	0.125	LAA	12		
D EMSO	0.5	PMV	12		
22A FLEXSTAR 1.88ME	0.2	LAA	12	75	90
B EMSO	0.5	PMV	12		
C SELECT (2EC)	0.125	LAA	13		
D ECOC	1.00	PMV	13		
23A RESOURCE (0.86EC)	0.027	LAA	12	95	87
B FLEXSTAR 1.88ME	0.2	LAA	12		
C EMSO	0.5	PMV	12		
D SELECT (2EC)	0.125	LAA	13		
E ECOC	1.00	PMV	13		
24A RESOURCE (0.86EC)	0.027	LAA	12	98	88
B FLEXSTAR 1.88ME	0.2	LAA	12		
C SELECT (2EC)	0.141	LAA	12		
D EMSO	0.5	PMV	12		
		LSD (0.05)		9.8	12.6
		STANDARD DEVIATION		27.4	25.4

£ = SUPPLEMENTAL CHEMICAL



## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.8  
%OM: 5.9  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 31 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-19-96	06-14-96	06-19-96	MDY
AIR TEMPERATURE	85	82	93	½F
% REL. HUMIDITY	75	80	46	
WIND DIRECTION	SOUTH	WEST	SOUTHWEST	
WIND SPEED	12.0	2.0	5.0	M/H
SKY CONDITION	CLEAR	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE	05-19-96			MDY
INC. START	11:30			24H
INC. END	11:45			24H
INC. DEPTH	2			IN
INC. EQUIPMENT	CULTFIELD			
	DENSITY / STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9394	****/****	3.00/4.00	3.00/5.00	IN
05-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	1.00/3.00	IN
PIGWEEED, SMOOTH	HGH/NA	HGH/12	HGH/16	
	****/****	2.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	
	****/****	0.50/1.00	1.00/1.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/1.00	1.00/3.00	IN

\*\*\* CONTINUE

## APPLICATIONS

	DENSITY / STAGE / MIN MAX SIZE			
*** PEST *** FOXTAIL, GIANT	HGH/NA ****/****	HGH/12 2.00/3.00	HGH/13 2.00/6.00	IN

## \* TIMING CODES

07 = PREPLANT INCORPORATED  
 11 = EPOST  
 12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA 10DAT	SETFA 10DAT	PHBPU 10DAT	ABUTH 10DAT	AMACH 10DAT	GLXMA 30DAT
	RATE	UNIT	TM						
1A PROWL 3.3EC	1.00	LAA	7	5	83	72	91	99	0
B PURSUIT (2SL)	0.063	LAA	12						
CESUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
2A PROWL 3.3EC	1.00	LAA	7	8	88	82	90	99	0
B PURSUIT (2SL)	0.063	LAA	12						
CSTATUS 2EC	0.156	LAA	12						
DESUNIT II	0.75	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
3A PURSUIT (2SL)	0.063	LAA	11	8	90	70	99	99	0
BSTATUS 2EC	0.125	LAA	11						
CACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
4A PURSUIT (2SL)	0.063	LAA	11	8	95	72	99	99	0
B PINNACLE (25WG)	0.002	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
5AERAPTOR 1AS	0.032	LAA	11	12	96	72	99	99	0
BESUNIT II	0.75	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7AERAPTOR 1AS	0.04	LAA	11	8	95	72	99	99	0
BESUNIT II	0.75	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
8AERAPTOR 1AS	0.032	LAA	12	5	78	67	80	90	0
BESUNIT II	0.75	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
9AERAPTOR 1AS	0.04	LAA	12	7	80	67	88	93	0
BESUNIT II	0.75	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
10A PROWL 3.3EC	1.00	LAA	7	12	95	80	99	99	0
BERAPTOR 1AS	0.032	LAA	11						
CESUNIT II	0.75	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
11A PROWL 3.3EC	1.00	LAA	7	10	95	80	99	99	0
BERAPTOR 1AS	0.04	LAA	11						
CESUNIT II	0.75	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
12A PROWL 3.3EC	1.25	LAA	7	5	83	78	98	99	0
BERAPTOR 1AS	0.032	LAA	12						
CESUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
13A PROWL 3.3EC	1.25	LAA	7	7	90	80	93	99	0
BERAPTOR 1AS	0.04	LAA	12						
CESUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
14AERAPTOR 1AS	0.032	LAA	12	10	80	80	99	99	0
BSTATUS 2EC	0.156	LAA	12						
CESUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
15AERAPTOR 1AS	0.04	LAA	12	13	85	82	99	99	0
BSTATUS 2EC	0.156	LAA	12						
CESUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
16A PROWL 3.3EC	1.25	LAA	7	10	87	85	93	99	0
BERAPTOR 1AS	0.032	LAA	12						
CSTATUS 2EC	0.156	LAA	12						
DESUNIT II	0.75	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE		GLXMA 10DAT	SETFA 10DAT	PHBPU 10DAT	ABUTH 10DAT	AMACH 10DAT	GLXMA 30DAT
	RATE	UNIT TM						
17A PROWL 3.3EC	1.25	LAA 7	13	83	85	93	99	0
B ERAPTOR 1AS	0.04	LAA 12						
C ESTATUS 2EC	0.156	LAA 12						
D ESUNIT II	0.75	PMV 12						
E FERTILIZER - 28%UAN	1.25	PMV 12						
18A PROWL 3.3EC	1.25	LAA 7	10	82	78	90	98	0
B PURSUIT (2SL)	0.063	LAA 12						
C PINNACLE (25WG)	0.002	LAA 12						
D EACTIVATE PLUS	0.25	PMV 12						
E FERTILIZER - 28%UAN	1.25	PMV 12						
19A GALAXY (3.67SL)	0.92	LAA 12	8	87	92	99	99	0
B POAST PLUS (1EC)	0.188	LAA 12						
C ECOC	1.00	PMV 12						
D FERTILIZER - 28%UAN	2.5	PMV 12						
20A CONCERT (25WG)	0.008	LAA 12	13	75	62	88	90	0
B ASSURE II (0.88EC)	0.055	LAA 12						
C EACTIVATE PLUS	0.25	PMV 12						
D FERTILIZER - 28%UAN	2.5	PMV 12						
		LSD (0.05)	6.2	4.7	7.0	5.4	2.1	0.0
		STANDARD DEVIATION	4.5	20.0	18.5	21.4	21.5	0.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA 30DAT	PHBPU 30DAT	ABUTH 30DAT	AMACH 30DAT
	RATE	UNIT					
1A PROWL 3.3EC	1.00	LAA	7	85	72	93	99
B PURSUIT (2SL)	0.063	LAA	12				
C ESUNIT II	0.75	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
2A PROWL 3.3EC	1.00	LAA	7	82	77	83	99
B PURSUIT (2SL)	0.063	LAA	12				
C STATUS 2EC	0.156	LAA	12				
D ESUNIT II	0.75	PMV	12				
E FERTILIZER - 28%UAN	1.25	PMV	12				
3A PURSUIT (2SL)	0.063	LAA	11	77	63	96	99
B STATUS 2EC	0.125	LAA	11				
C ACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	1.25	PMV	11				
4A PURSUIT (2SL)	0.063	LAA	11	92	73	99	99
B PINNACLE (25WG)	0.002	LAA	11				
C ACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	1.25	PMV	11				
5A ERAPTOR 1AS	0.032	LAA	11	88	72	99	99
B ESUNIT II	0.75	PMV	11				
C FERTILIZER - 28%UAN	1.25	PMV	11				
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0
7A ERAPTOR 1AS	0.04	LAA	11	90	75	96	99
B ESUNIT II	0.75	PMV	11				
C FERTILIZER - 28%UAN	1.25	PMV	11				
8A ERAPTOR 1AS	0.032	LAA	12	93	62	95	98
B ESUNIT II	0.75	PMV	12				
C FERTILIZER - 28%UAN	1.25	PMV	12				
9A ERAPTOR 1AS	0.04	LAA	12	90	67	99	99
B ESUNIT II	0.75	PMV	12				
C FERTILIZER - 28%UAN	1.25	PMV	12				
10A PROWL 3.3EC	1.00	LAA	7	96	78	99	99
B ERAPTOR 1AS	0.032	LAA	11				
C ESUNIT II	0.75	PMV	11				
D FERTILIZER - 28%UAN	1.25	PMV	11				
11A PROWL 3.3EC	1.00	LAA	7	95	82	98	99
B ERAPTOR 1AS	0.04	LAA	11				
C ESUNIT II	0.75	PMV	11				
D FERTILIZER - 28%UAN	1.25	PMV	11				
12A PROWL 3.3EC	1.25	LAA	7	95	70	98	99
B ERAPTOR 1AS	0.032	LAA	12				
C ESUNIT II	0.75	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
13A PROWL 3.3EC	1.25	LAA	7	95	77	96	99
B ERAPTOR 1AS	0.04	LAA	12				
C ESUNIT II	0.75	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
14A ERAPTOR 1AS	0.032	LAA	12	70	67	99	99
B STATUS 2EC	0.156	LAA	12				
C ESUNIT II	0.75	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
15A ERAPTOR 1AS	0.04	LAA	12	78	68	96	99
B STATUS 2EC	0.156	LAA	12				
C ESUNIT II	0.75	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
16A PROWL 3.3EC	1.25	LAA	7	80	77	97	99
B ERAPTOR 1AS	0.032	LAA	12				
C STATUS 2EC	0.156	LAA	12				
D ESUNIT II	0.75	PMV	12				
E FERTILIZER - 28%UAN	1.25	PMV	12				

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA 30DAT	PHBPU 30DAT	ABUTH 30DAT	AMACH 30DAT	
	RATE	UNIT						
17A PROWL 3.3EC	1.25	LAA	7	83	77	90	99	
B ERAPTOR 1AS	0.04	LAA	12					
C STATUS 2EC	0.156	LAA	12					
D SUNIT II	0.75	PHV	12					
E FERTILIZER - 28%UAN	1.25	PHV	12					
18A PROWL 3.3EC	1.25	LAA	7	93	78	93	99	
B PURSUIT (2SL)	0.063	LAA	12					
C PINNACLE (25WG)	0.002	LAA	12					
D ACTIVATE PLUS	0.25	PHV	12					
E FERTILIZER - 28%UAN	1.25	PHV	12					
19A GALAXY (3.67SL)	0.92	LAA	12	87	77	82	97	
B POAST PLUS (1EC)	0.188	LAA	12					
C COC	1.00	PHV	12					
D FERTILIZER - 28%UAN	2.5	PHV	12					
20A CONCERT (25WG)	0.008	LAA	12	95	37	90	98	
B ASSURE II (0.88EC)	0.055	LAA	12					
C ACTIVATE PLUS	0.25	PHV	12					
D FERTILIZER - 28%UAN	2.5	PHV	12					
				LSD (0.05)	3.8	5.8	4.8	1.4
				STANDARD DEVIATION	20.5	18.4	21.3	21.5

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.8  
 %OM: 5.9  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 31 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-19-96	MDY
AIR TEMPERATURE	93	½F
% REL.HUMIDITY	46	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9394	4.00/6.00	IN
05-19-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	1.00/3.00	IN
PIGWEEED, SMOOTH	HGH/16	
	1.00/4.00	IN
MORNINGGLORY, TA	HGH/13	
	1.00/3.00	IN

## \* TIMING CODES

12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.12 lb Select 6-26-96

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	PHBPU	ABUTH	AMACH	GLXMA	PHBPU
	RATE	UNIT	TM	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 07-17-96	CON % 07-17-96
1AESTELLAR BECOC C FERTILIZER - 28%UAN	0.121 0.5 2.5	LAA PMV PMV	12 12 12	10	72	99	99	0	47
2AESTELLAR BECOC C FERTILIZER - 28%UAN	0.17 0.5 2.5	LAA PMV PMV	12 12 12	8	67	99	99	2	60
3AESTELLAR B COBRA (2EC) CECOC D FERTILIZER - 28%UAN	0.121 0.031 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	8	65	99	99	3	53
4AESTELLAR B BASAGRAN (4SL) CECOC D FERTILIZER - 28%UAN	0.121 0.5 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	10	73	99	99	2	72
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6AESTELLAR B BASAGRAN (4SL) CECOC D FERTILIZER - 28%UAN	0.17 0.5 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	10	85	99	99	0	73
7A BASAGRAN (4SL) BECOC C FERTILIZER - 28%UAN	0.5 0.5 2.5	LAA PMV PMV	12 12 12	0	67	99	0	0	72
8AESTELLAR B PINNACLE (25WG) CECOC D FERTILIZER - 28%UAN	0.121 0.002 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	15	70	99	99	5	57
9AESTELLAR B PINNACLE (25WG) CECOC D FERTILIZER - 28%UAN	0.17 0.002 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	13	72	99	99	5	60
10A PINNACLE (25WG) BECOC C FERTILIZER - 28%UAN	0.002 0.5 2.5	LAA PMV PMV	12 12 12	10	47	77	90	5	43
11AESTELLAR B CLASSIC (25WG) CECOC D FERTILIZER - 28%UAN	0.121 0.008 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	10	72	99	99	2	72
12A CLASSIC (25WG) BECOC C FERTILIZER - 28%UAN	0.008 0.5 2.5	LAA PMV PMV	12 12 12	3	57	73	90	0	50
13AESTELLAR B SCEPTER 70DG (WG) CECOC D FERTILIZER - 28%UAN	0.121 0.063 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	12	72	99	99	0	57
14AESTELLAR B BASAGRAN (4SL) C PINNACLE (25WG) DECO E FERTILIZER - 28%UAN	0.121 0.5 0.016 0.5 2.5	LAA LAA LAA PMV PMV	12 12 12 12 12	10	96	99	99	2	72
15A BASAGRAN (4SL) B PINNACLE (25WG) CECOC D FERTILIZER - 28%UAN	0.5 0.016 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	0	67	99	90	0	50
16AESTELLAR B GALAXY (3.67SL) CECOC D FERTILIZER - 28%UAN	0.121 0.69 0.5 2.5	LAA LAA PMV PMV	12 12 12 12	8	93	99	99	0	77
17A GALAXY (3.67SL) BECOC C FERTILIZER - 28%UAN	0.69 0.5 2.5	LAA PMV PMV	12 12 12	10	73	99	99	2	70



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	PHBPU	ABUTH	AMACH	GLXMA	PHBPU
	RATE	UNIT	TM	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 07-17-96	CON % 07-17-96
18A PURSUIT (2SL)	0.063	LAA	12	0	62	85	90	0	63
BECOC	0.5	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
			LSD (0.05)	3.9	9.7	3.6	0.0	2.6	6.0
			STANDARD DEVIATION	5.1	20.4	23.3	30.6	2.3	17.5

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	AMACH
	RATE	UNIT		CON % 07-17-96	CON % 07-17-96
1A STELLAR	0.121	LAA	12	98	96
B ECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
2A STELLAR	0.17	LAA	12	99	98
B ECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
3A STELLAR	0.121	LAA	12	99	99
B COBRA (2EC)	0.031	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
4A STELLAR	0.121	LAA	12	96	98
B BASAGRAN (4SL)	0.5	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
5A UNTREATED CHECK	0.00	NA	0	0	0
6A STELLAR	0.17	LAA	12	93	94
B BASAGRAN (4SL)	0.5	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
7A BASAGRAN (4SL)	0.5	LAA	12	99	0
B ECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
8A STELLAR	0.121	LAA	12	94	99
B PINNACLE (25WG)	0.002	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
9A STELLAR	0.17	LAA	12	95	92
B PINNACLE (25WG)	0.002	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
10A PINNACLE (25WG)	0.002	LAA	12	87	88
B ECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
11A STELLAR	0.121	LAA	12	99	95
B CLASSIC (25WG)	0.008	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
12A CLASSIC (25WG)	0.008	LAA	12	90	47
B ECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
13A STELLAR	0.121	LAA	12	98	99
B SCEPTER 70DG (WG)	0.063	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
14A STELLAR	0.121	LAA	12	99	99
B BASAGRAN (4SL)	0.5	LAA	12		
C PINNACLE (25WG)	0.016	LAA	12		
D ECOC	0.5	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
15A BASAGRAN (4SL)	0.5	LAA	12	99	57
B PINNACLE (25WG)	0.016	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
16A STELLAR	0.121	LAA	12	96	99
B GALAXY (3.67SL)	0.69	LAA	12		
C ECOC	0.5	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
17A GALAXY (3.67SL)	0.69	LAA	12	98	96
B ECOC	0.5	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		

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TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	AMACH
	RATE	UNIT		CON %	CON %
				07-17-96	07-17-96
18A PURSUIT (2SL)	0.063	LAA	12	91	88
BECOC	0.5	PMV	12		
C FERTILIZER - 28XUAN	2.5	PMV	12		
LSD (0.05)				5.8	7.3
STANDARD DEVIATION				22.4	31.9

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£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.8  
 %OM: 5.9  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 31 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-19-96	MDY
AIR TEMPERATURE	83	93	½F
% REL.HUMIDITY	80	46	
WIND DIRECTION	WEST	SOUTHWEST	
WIND SPEED	3.0	5.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
PIONEER 9394	3.00/4.00	4.00/6.00	IN
05-19-96			
*** PEST ***			
PIGWEEED, SMOOTH	HGH/12	HGH/16	
	1.00/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/18	
	1.00/1.00	2.00/4.00	IN
MORNINGGLORY, TA	HGH/10	HGH/14	
	1.00/1.00	1.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/14	
	2.00/3.00	2.00/6.00	IN

\* TIMING CODES

11 = EPOST  
 12 = POST

\* STAGE CODE

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA	PHBPU	SETFA	AMACH	CHEAL	GLXMA	
				CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 06-27-96	CON % 07-15-96	
1A GALAXY (3.67SL)	0.92	LAA	11	8	92	93	97	88	0	
BECOC	1.00	PMV	11							
C FERTILIZER - 28%UAN	2.5	PMV	11							
D SELECT (2EC)	0.063	LAA	12							
ECCOC	1.00	PMV	12							
F FERTILIZER - 28%UAN	1.25	PMV	12							
2A SELECT (2EC)	0.094	LAA	12	12	70	85	99	72	0	
B COBRA (2EC)	0.125	LAA	12							
CECOC	0.5	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
3A SELECT (2EC)	0.094	LAA	12	2	73	82	98	75	0	
B PURSUIT (2SL)	0.063	LAA	12							
CECOC	1.00	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
5A SELECT (2EC)	0.094	LAA	12	7	78	78	93	70	0	
B CLASSIC (25WG)	0.01	LAA	12							
CECOC	0.5	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
6A SELECT (2EC)	0.094	LAA	12	10	77	87	99	75	0	
B COBRA (2EC)	0.2	LAA	12							
CECOC	0.5	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
7A SELECT (2EC)	0.094	LAA	12	0	67	77	0	73	0	
B BASAGRAN (4SL)	0.75	LAA	12							
CECOC	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
8A SELECT (2EC)	0.094	LAA	12	8	72	82	99	75	0	
B PURSUIT (2SL)	0.063	LAA	12							
C COBRA (2EC)	0.125	LAA	12							
DECCOC	0.5	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
9A SELECT (2EC)	0.094	LAA	12	10	78	77	99	65	0	
B CLASSIC (25WG)	0.01	LAA	12							
C COBRA (2EC)	0.125	LAA	12							
DECCOC	0.5	PMV	12							
10A SELECT (2EC)	0.094	LAA	12	7	80	90	99	82	0	
B BASAGRAN (4SL)	0.5	LAA	12							
C COBRA (2EC)	0.125	LAA	12							
DECCOC	0.5	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
11A SELECT (2EC)	0.094	LAA	12	20	80	93	99	88	10	
B PINNACLE (25WG)	0.004	LAA	12							
C COBRA (2EC)	0.125	LAA	12							
DECCOC	0.5	PMV	12							
E FERTILIZER - 28%UAN	1.25	PMV	12							
12A PURSUIT (2SL)	0.063	LAA	12	5	80	85	99	73	0	
B COBRA (2EC)	0.125	LAA	12							
CECOC	0.5	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
				LSL (0.05)	3.4	8.6	6.7	3.0	8.7	0.0
				STANDARD DEVIATION	5.6	22.5	24.3	36.6	22.6	2.8

TRT COMPOUND NUM TESTED	DOSAGE		TM	PHBPU	SETFA	AMACH	CHEAL	
	RATE	UNIT		CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	CON % 07-15-96	
1A GALAXY (3.67SL)	0.92	LAA	11	82	73	77	85	
BECOC	1.00	PMV	11					
C FERTILIZER - 28%UAN	2.5	PMV	11					
D SELECT (2EC)	0.063	LAA	12					
ECCOC	1.00	PMV	12					
F FERTILIZER - 28%UAN	1.25	PMV	12					
2A SELECT (2EC)	0.094	LAA	12	50	82	99	30	
B COBRA (2EC)	0.125	LAA	12					
CCCOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
3A SELECT (2EC)	0.094	LAA	12	62	78	97	67	
B PURSUIT (2SL)	0.063	LAA	12					
CCCOC	1.00	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
5A SELECT (2EC)	0.094	LAA	12	63	80	72	30	
B CLASSIC (25WG)	0.01	LAA	12					
CCCOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
6A SELECT (2EC)	0.094	LAA	12	43	80	99	30	
B COBRA (2EC)	0.2	LAA	12					
CCCOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
7A SELECT (2EC)	0.094	LAA	12	68	80	0	80	
B BASAGRAN (4SL)	0.75	LAA	12					
CCCOC	1.00	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
8A SELECT (2EC)	0.094	LAA	12	53	53	99	40	
B PURSUIT (2SL)	0.063	LAA	12					
C COBRA (2EC)	0.125	LAA	12					
DCCOC	0.5	PMV	12					
E FERTILIZER - 28%UAN	2.5	PMV	12					
9A SELECT (2EC)	0.094	LAA	12	60	50	99	33	
B CLASSIC (25WG)	0.01	LAA	12					
C COBRA (2EC)	0.125	LAA	12					
DCCOC	0.5	PMV	12					
10A SELECT (2EC)	0.094	LAA	12	60	80	99	43	
B BASAGRAN (4SL)	0.5	LAA	12					
C COBRA (2EC)	0.125	LAA	12					
DCCOC	0.5	PMV	12					
E FERTILIZER - 28%UAN	2.5	PMV	12					
11A SELECT (2EC)	0.094	LAA	12	50	77	99	73	
B PINNACLE (25WG)	0.004	LAA	12					
C COBRA (2EC)	0.125	LAA	12					
DCCOC	0.5	PMV	12					
E FERTILIZER - 28%UAN	1.25	PMV	12					
12A PURSUIT (2SL)	0.063	LAA	12	60	57	99	40	
B COBRA (2EC)	0.125	LAA	12					
CCCOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
				LSD (0.05)	6.8	5.4	3.2	5.9
				STANDARD DEVIATION	19.2	22.9	36.2	24.3

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.4  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-16-96	06-21-96	06-27-96	MDY
AIR TEMPERATURE	82	85	84	½F
% REL. HUMIDITY	75	80	60	
WIND DIRECTION	SOUTH	SOUTH	NA/NONE	
WIND SPEED	5.0	3.0	0.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	CLEAR	
LEAF MOISTURE	MOIST	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/11	HGH/12	HGH/13	
PIONEER 9362	3.00/3.00	4.00/5.00	5.00/7.00	IN
05-22-96				
*** PEST ***				
CORN, DENT	HGH/13	HGH/14	HGH/16	
DEKALB 592SR	6.00/6.00	8.00/12.0	14.0/18.0	IN
05-22-96				

\* TIMING CODES  
 11 = EPOST  
 12 = POST  
 13 = LPOST

\* STAGE CODE  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 2.4 lb Broadstrike + Dual Pre on 5-22-96

Blanket application 0.19 lb Poast Plus 6-13-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	ZEAMD	GLXMA	ZEAMD	YIELD BU/A 10-28-96
	RATE	UNIT		CON % 07-01-96	CON % 07-01-96	CON % 07-19-96	CON % 07-19-96	
1A ASSURE II (0.88EC) BECOC	0.055 1.00	LAA PMV	12 12	0	7	0	3	20.7
2A FUSION (2.66EC) BECOC	0.167 1.00	LAA PMV	12 12	0	20	0	10	27.7
3A FUSILADE DX (2EC) BECOC	0.125 1.00	LAA PMV	12 12	0	15	0	12	22.4
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	15.6
5A SELECT (2EC) BECOC	0.094 1.00	LAA PMV	12 12	0	28	0	23	26.9
6A SELECT (2EC) BECOC	0.125 1.00	LAA PMV	12 12	0	43	0	35	39.9
7A SELECT (2EC) BECOC	0.188 1.00	LAA PMV	12 12	0	58	0	53	33.8
8A SELECT (2EC) BECOC	0.094 1.00	LAA PMV	12 12	0	35	0	37	33.8
C SELECT (2EC) DECOC	0.094 1.00	LAA PMV	13 13					
9A SCEPTER 70DG (WG) BECOC	0.063 1.00	LAA PMV	12 12	0	50	0	67	32.7
10A PURSUIT (2SL) B SCEPTER 70DG (WG) CECOC	0.063 0.063 1.00	LAA LAA PMV	11 11 11	0	75	0	68	37.1
11A ERAPTOR 1AS BECOC	0.04 1.00	LAA PMV	12 12	0	43	0	73	42.3
12A HAND WEDED	0.00	NA	0	0	99	0	99	42.3
				LSD (0.05) 0.0	8.0 27.8	0.0 0.0	7.9 30.8	13.4 10.7

£ = SUPPLEMENTAL CHEMICAL



## SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.4  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-21-96	MDY
AIR TEMPERATURE	84	½F
% REL.HUMIDITY	80	
WIND DIRECTION	SOUTH	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9362	3.00/5.00	IN
05-22-96		

## \* TIMING CODES

12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 2.75 lb Turbo Pre on 5-22-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	GLXMA	YIELD
	RATE	UNIT		CON %	CON %	BU/A
				06-29-96	07-23-96	10-28-96
1A PINNACLE (25WG)	0.002	LAA	12	15	3	53.5
B POAST PLUS (1EC)	0.188	LAA	12			
C FERTILIZER - 28%UAN	2.5	PMV	12			
2A BASAGRAN (4SL)	0.25	LAA	12	5	0	56.2
B PINNACLE (25WG)	0.002	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
3A BASAGRAN (4SL)	0.38	LAA	12	3	0	56.1
B PINNACLE (25WG)	0.002	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
4A UNTREATED CHECK	0.00	NA	0	0	0	47.5
5A BASAGRAN (4SL)	0.5	LAA	12	5	0	44.9
B PINNACLE (25WG)	0.002	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
6A PINNACLE (25WG)	0.004	LAA	12	22	15	51.8
B POAST PLUS (1EC)	0.188	LAA	12			
C FERTILIZER - 28%UAN	2.5	PMV	12			
7A BASAGRAN (4SL)	0.25	LAA	12	7	2	49.3
B PINNACLE (25WG)	0.004	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
8A BASAGRAN (4SL)	0.38	LAA	12	7	0	48.0
B PINNACLE (25WG)	0.004	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
9A BASAGRAN (4SL)	0.5	LAA	12	7	0	47.5
B PINNACLE (25WG)	0.004	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
10A PINNACLE (25WG)	0.008	LAA	12	28	25	53.6
B POAST PLUS (1EC)	0.188	LAA	12			
C FERTILIZER - 28%UAN	2.5	PMV	12			
11A BASAGRAN (4SL)	0.25	LAA	12	12	3	50.1
B PINNACLE (25WG)	0.008	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
12A BASAGRAN (4SL)	0.38	LAA	12	13	3	51.0
B PINNACLE (25WG)	0.008	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
13A BASAGRAN (4SL)	0.5	LAA	12	12	2	51.8
B PINNACLE (25WG)	0.008	LAA	12			
C POAST PLUS (1EC)	0.188	LAA	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
14A HAND WEDED	0.00	NA	0	0	0	57.9
LSD (0.05)				4.6	4.8	13.6
STANDARD DEVIATION				8.1	7.4	8.2

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIX  
 PH: 6.4  
 %OM: 5.3  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-24-96	MDY
AIR TEMPERATURE	84	½F
% REL.HUMIDITY	56	
WIND DIRECTION	WEST	
WIND SPEED	5.0	M/H
SKY CONDITION	OVERCAST	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9394	8.00/8.00	IN
05-21-96		
*** PEST ***		
LAMBSQUARTERS, C	HGH/19	
	2.00/6.00	IN

\* TIMING CODES

12 = POST

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.19 lb Poast Plus 6-13-96

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	CHEAL	GLXMA	CHEAL
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-22-96	CON % 07-22-96
1AERESOURCE BECOC C FERTILIZER - 28%JAN	0.027 0.5 2.5	LAA PHV PHV	12 12 12	2	62	3	53
2AERESOURCE BECOC C FERTILIZER - 28%JAN	0.034 0.5 2.5	LAA PHV PHV	12 12 12	3	65	0	57
3AERESOURCE 80 WG BECOC C FERTILIZER - 28%JAN	0.027 0.5 2.5	LAA PHV PHV	12 12 12	2	30	2	30
4AERESOURCE 80 WG BECOC C FERTILIZER - 28%JAN	0.034 0.5 2.5	LAA PHV PHV	12 12 12	0	33	0	27
5AERESOURCE B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.027 0.0016 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	18	89	8	85
6AERESOURCE B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.027 0.002 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	15	85	10	72
7AERESOURCE B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.034 0.0016 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	18	89	10	83
8AERESOURCE B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.034 0.002 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	13	91	5	83
9AERESOURCE 80 WG B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.027 0.0016 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	7	83	2	82
10AERESOURCE 80 WG B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.027 0.002 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	7	78	3	77
11AERESOURCE 80 WG B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.034 0.0016 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	7	88	3	83
12AERESOURCE 80 WG B PINNACLE (25WG) CECOC D FERTILIZER - 28%JAN	0.034 0.002 0.5 2.5	LAA LAA PHV PHV	12 12 12 12	5	83	2	75
13A PINNACLE (25WG) BECOC C FERTILIZER - 28%JAN	0.0016 0.5 2.5	LAA PHV PHV	12 12 12	8	47	8	65
14A PINNACLE (25WG) BECOC C FERTILIZER - 28%JAN	0.002 0.5 2.5	LAA PHV PHV	12 12 12	13	43	7	76
15A PINNACLE (25WG) BEACTIVATE PLUS C FERTILIZER - 28%JAN	0.004 0.25 2.5	LAA PHV PHV	12 12 12	23	80	15	94
16A UNTREATED CHECK	0.00	NA	0	0	0	0	0
17AERESOURCE II BECOC C FERTILIZER - 28%JAN	0.027 0.5 2.5	LAA PHV PHV	12 12 12	7	63	12	60
18AEACTION BECOC	0.0035 1.00	LAA PHV	12 12	2	40	8	60

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	CHEAL	GLXMA	CHEAL
	RATE	UNIT		CON % 07-03-96	CON % 07-03-96	CON % 07-22-96	CON % 07-22-96
19A ACTION B ECOC	0.0045	LAA	12	3	57	0	70
	1.00	PMV	12				
20A ACTION B EXPERT C ECOC	0.0045	LAA	12	10	91	2	85
	0.061	LAA	12				
	1.00	PMV	12				
21A ACTION B PURSUIT (2SL) C ECOC	0.0045	LAA	12	3	68	5	60
	0.063	LAA	12				
	1.00	PMV	12				
LSD (0.05)				7.2	9.5	6.7	14.9
STANDARD DEVIATION				7.4	25.0	5.6	23.7

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 4.6  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	01	04	07	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	11-20-95	04-10-96	05-19-96	05-19-96	MDY
AIR TEMPERATURE	57	57	87	85	1/2 F
% REL.HUMIDITY	25	25	40	45	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	15.0	15.0	17.5	13.5	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	CLODDY	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP *** CORN, DENT PIONEER 3394 05-19-96	HGH/NA ****/****	HGH/NA ****/****	HGH/00 ****/****	HGH/00 ****/****	IN
*** PEST *** FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/00 ****/****	HGH/00 ****/****	IN

\* TIMING CODES

- 01 = FALL
- 04 = EPP30 DBP
- 07 = PPI
- 09 = PRE

\* STAGE CODE

- 00 = DRY SEED (DORMANT)
- NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

Blanket application 0.5 lb Clarity 6-16-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ZEAMD	ZEAMD	SETFA
	RATE	UNIT		CON % 06-21-96	CON % 06-21-96	CON % 07-23-96	CON % 07-23-96
1A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	1 1	70	0	0	55
2A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	4 4	80	0	0	72
3A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	7 7	93	0	0	87
4A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	9 9	99	0	0	93
5A UNTREATED CHECK BECONVENTIONAL	0.00 0.00	NA NA	0 0	0	0	0	0
6A SURPASS (6.4EC) BECONVENTIONAL	2.4 0.00	LAA NA	9 9	99	0	0	92
7A DUAL II (7.8EC) BENO-TILL	3.00 0.00	LAA LAA	1 1	88	0	0	66
8A DUAL II (7.8EC) BENO-TILL	3.00 0.00	LAA LAA	4 4	93	0	0	83
9A DUAL II (7.8EC) BENO-TILL	3.00 0.00	LAA LAA	9 9	99	0	0	95
10A UNTREATED CHECK BENO-TILL	0.00 0.00	NA LAA	0 0	0	0	0	0
11A LASSO MICRO-TECH (4CS) BENO-TILL	3.5 0.00	LAA LAA	9 9	95	0	0	63
12A SURPASS (6.4EC) BENO-TILL	2.4 0.00	LAA LAA	9 9	98	0	0	82
		LSD (0.05)		11.4	0.0	0.0	23.0
		STANDARD DEVIATION		35.4	0.0	0.0	33.6

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 4.6  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	04	07	09	01	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-10-96	05-19-96	05-19-96	11-20-95	MDY
AIR TEMPERATURE	57	86	86	48	1/2 F
% REL. HUMIDITY	25	40	40	40	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHWEST	NORTHWEST	
WIND SPEED	15.0	17.5	17.5	12.5	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
CORN, DENT	HGH/NA	HGH/NA	HGH/NA	HGH/NA	
PIONEER 3394	****/****	****/****	****/****	****/****	IN
05-19-96					
*** PEST ***					
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/NA	HGH/NA	
	****/****	****/****	****/****	****/****	IN

## \* TIMING CODES

01 = FALL  
04 = EPP30 DBP  
07 = PPI  
09 = PRE

## \* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

Blanket application 0.5 lb Clarity 6-16-96



TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ZEAMD	SETFA	
	RATE	UNIT		CON %	CON %	CON %	CON %	
				06-19-96	06-19-96	07-23-96	07-23-96	
1A DUAL II (7.8EC) BENO-TILL	3.00 0.00	LAA LAA	1 1	0	90	0	87	
2A DUAL II (7.8EC) BENO-TILL	3.00 0.00	LAA LAA	4 4	0	95	0	93	
3A DUAL II (7.8EC) BENO-TILL	3.00 0.00	LAA LAA	9 9	0	99	0	96	
4A UNTREATED CHECK BENO-TILL	0.00 0.00	NA LAA	0 0	0	0	0	0	
5A LASSO MICRO-TECH (4CS) BENO-TILL	3.5 0.00	LAA LAA	9 9	0	96	0	96	
6A SURPASS (6.4EC) BENO-TILL	2.4 0.00	LAA LAA	9 9	0	99	0	95	
7A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	1 1	0	83	0	73	
8A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	4 4	0	98	0	95	
9A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	7 7	2	95	0	95	
10A DUAL II (7.8EC) BECONVENTIONAL	3.00 0.00	LAA NA	9 9	0	99	0	99	
11A UNTREATED CHECK BECONVENTIONAL	0.00 0.00	NA NA	0 0	0	0	0	0	
12A SURPASS (6.4EC) BECONVENTIONAL	2.4 0.00	LAA NA	9 9	5	99	0	92	
				LSD (0.05)	2.7	4.7	0.0	8.8
				STANDARD DEVIATION	2.0	35.9	0.0	35.2

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 4.6  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	02	03	04	05	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	03-11-96	03-27-96	04-10-96	04-24-96	05-19-96	MDY
AIR TEMPERATURE	47	34	57	67	85	1/2 F
% REL.HUMIDITY	55	46	25	31	45	
WIND DIRECTION	SOUTHWEST	WEST	WEST	SOUTHEAST	SOUTHWEST	
WIND SPEED	20.0	15.0	15.0	10.0	12.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP *** CORN, DENT PIONEER 3394 05-17-96	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	IN
*** PEST *** FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	IN

## APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 4.6  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	06	UNIT
TIMINGS	10	
TYPE	LIQMXSPR	
APPLICATION DATE	06-14-96	MDY
AIR TEMPERATURE	82	½F
% REL.HUMIDITY	56	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	3.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/12	
PIONEER 3394	4.00/5.00	IN
05-17-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/12	
	1.00/2.00	IN

## \* TIMING CODES

02 = EPP60 DBP  
 03 = EPP45 DBP  
 04 = EPP30 DBP  
 05 = EPP15 DBP  
 09 = PRE  
 10 = VEPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

Blanket application 0.5 lb Clarity 6-16-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ZEAMD	SETFA	
	RATE	UNIT		CON % 06-19-96	CON % 06-19-96	CON % 07-23-96	CON % 07-23-96	
1A£DUAL II MAGNUM	1.9	LAA	2	0	85	0	65	
2A DUAL II (7.8EC)	3.00	LAA	2	0	90	0	70	
3A£FRONTIER 6.0L (EC)	1.46	LAA	2	0	67	0	17	
4A£TOPNOTCH	2.4	LAA	2	0	53	0	20	
5A£AXIOM	1.02	LAA	2	0	95	0	75	
6A£DUAL II MAGNUM	1.9	LAA	3	0	90	0	67	
7A DUAL II (7.8EC)	3.00	LAA	3	0	85	0	68	
8A£FRONTIER 6.0L (EC)	1.46	LAA	3	0	77	0	27	
9A£TOPNOTCH	2.4	LAA	3	0	83	0	70	
10A£AXIOM	1.02	LAA	3	0	95	0	80	
11A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
12A£DUAL II MAGNUM	1.9	LAA	4	0	92	0	75	
13A DUAL II (7.8EC)	3.00	LAA	4	0	90	0	78	
14A£FRONTIER 6.0L (EC)	1.46	LAA	4	0	82	0	67	
15A£TOPNOTCH	2.4	LAA	4	0	77	0	70	
16A£AXIOM	1.02	LAA	4	0	88	0	80	
17A£DUAL II MAGNUM	1.9	LAA	5	0	92	0	75	
18A DUAL II (7.8EC)	3.00	LAA	5	0	93	0	77	
19A£FRONTIER 6.0L (EC)	1.46	LAA	5	0	83	0	53	
20A£TOPNOTCH	2.4	LAA	5	0	90	0	70	
21A£AXIOM	1.02	LAA	5	0	99	0	93	
22A£DUAL II MAGNUM	1.9	LAA	9	0	98	0	98	
23A DUAL II (7.8EC)	3.00	LAA	9	0	99	0	95	
24A£FRONTIER 6.0L (EC)	1.46	LAA	9	0	98	0	88	
25A£TOPNOTCH	2.4	LAA	9	0	98	0	93	
26A£AXIOM	1.02	LAA	9	0	98	0	98	
27A£FRONTIER 6.0L (EC)	0.94	LAA	10	0	77	0	88	
B ACCENT (75WG)	0.016	LAA	10					
C£ACTIVATE PLUS	0.25	PMV	10					
28A£HAND WEEDED	0.00	NA	0	0	99	0	99	
				LSD (0.05)	0.0	11.8	0.0	13.2
				STANDARD DEVIATION	0.0	20.3	0.0	25.9

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 4.6  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	04	09	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-11-00	05-19-96	06-20-96	MDY
AIR TEMPERATURE	78	87	85	1/2 F
% REL. HUMIDITY	27	40	46	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	12.5	17.5	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT PIONEER 3394 05-17-96	HGH/NA ****/****	HGH/NA ****/****	HGH/15 6.00/8.00	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/NA ****/****	HGH/14 2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/NA ****/****	HGH/16 1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/13 2.00/4.00	IN

## \* TIMING CODES

04 = EPP30 DBP  
09 = PRE  
12 = POST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	CHEAL	ZEAMD	SETFA
	RATE	UNIT	TM	CON % 06-19-96	CON % 06-19-96	CON % 06-19-96	CON % 06-19-96	CON % 07-23-96	CON % 07-23-96
1A BICEP II (6SC)	4.13	LAA	4	0	80	75	96	0	75
2AEGUARDSMAN	3.13	LAA	4	0	83	88	99	0	72
3A SURPASS 100 (5SC)	3.5	LAA	4	3	70	95	99	0	38
4AEHARNES XTRA 5.6L	3.64	LAA	4	0	78	96	99	0	73
5A EXTRAZINE II DF (90WG)	4.5	LAA	4	0	47	67	73	0	38
6AETOPNOTCH B ATRAZINE 90DF (WG)	2.00 1.5	LAA LAA	4 4	2	96	95	99	0	83
7AETOPNOTCH B ATRAZINE 90DF (WG)	2.4 1.5	LAA LAA	4 4	2	90	95	99	0	72
8AEICIA 5676/ATRAZINE (4SC)	3.3	LAA	4	2	85	96	99	0	75
9AEICIA 5676/ATRAZINE (4SC)	3.6	LAA	4	0	90	90	99	0	73
10AEICIA 5676/ATRAZINE (4SC)	4.00	LAA	4	2	95	95	99	0	82
11AEAXIOM B ATRAZINE 90DF (WG)	0.98 1.5	LAA LAA	4 4	0	80	95	99	0	65
12AEAXIOM B MARKSMAN (3.2SC)	0.94 1.4	LAA LAA	4 11	0	87	87	98	0	87
13A DUAL II (7.8EC) B MARKSMAN (3.2SC)	2.5 1.4	LAA LAA	4 11	7	88	68	83	0	88
14A DUAL II (7.8EC) B SENCOR DF (75WG) C MARKSMAN (3.2SC)	2.5 0.188 1.4	LAA LAA LAA	4 4 11	0	88	75	83	0	93
15A ACCENT (75WG) B MARKSMAN (3.2SC) CEACTIVATE PLUS	0.031 1.4 0.25	LAA LAA PMV	11 11 11	0	0	0	0	0	90
16AEBROADSTRIKE PLUS BETOPNOTCH	0.26 2.4	LAA LAA	4 4	2	87	96	99	0	68
17AEBROADSTRIKE PLUS B SURPASS 100 (5SC)	0.17 3.5	LAA LAA	4 4	5	77	92	99	0	67
18A BICEP II (6SC)	3.69	LAA	9	2	96	96	99	0	85
19AEGUARDSMAN	2.81	LAA	9	0	98	83	99	0	93
20AESURPASS 100	3.13	LAA	9	0	91	92	99	0	90
21A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
22A EXTRAZINE II DF (90WG)	4.00	LAA	9	3	94	96	99	0	82
23AEHARNES XTRA 5.6L	3.36	LAA	9	3	98	96	99	0	91
24AETOPNOTCH B ATRAZINE 90DF (WG)	2.00 1.5	LAA LAA	9 9	8	88	96	99	0	82
25AEICIA 5676/ATRAZINE (4SC)	3.00	LAA	9	0	99	98	99	0	96
26AEICIA 5676/ATRAZINE (4SC)	3.3	LAA	9	2	98	98	99	0	93
27AEAXIOM B ATRAZINE 90DF (WG)	0.94 1.5	LAA LAA	9 9	3	99	99	99	0	96
28AEBROADSTRIKE+DUAL B ATRAZINE 90DF (WG)	2.4 1.25	LAA LAA	9 9	7	95	96	99	0	91
29AEBROADSTRIKE PLUS BETOPNOTCH	0.26 2.00	LAA LAA	9 9	2	99	96	99	0	78
30A SURPASS 100 (5SC) BEBROADSTRIKE PLUS	3.13 0.17	LAA LAA	9 9	2	99	98	99	0	83
LSD (0.05)				6.1	15.7	11.3	13.8	0.0	12.3
STANDARD DEVIATION				3.8	25.7	24.9	25.8	0.0	21.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96
1A BICEP II (6SC)	4.13	LAA	4	85	99
2AEGUARDSMAN	3.13	LAA	4	85	99
3A SURPASS 100 (5SC)	3.5	LAA	4	80	99
4A£HARNES XTRA 5.6L	3.64	LAA	4	93	99
5A EXTRAZINE II DF (90WG)	4.5	LAA	4	0	67
6A£TOPNOTCH	2.00	LAA	4	92	99
B ATRAZINE 90DF (WG)	1.5	LAA	4		
7A£TOPNOTCH	2.4	LAA	4	98	99
B ATRAZINE 90DF (WG)	1.5	LAA	4		
8A£ICIA 5676/ATRAZINE (4SC)	3.3	LAA	4	0	90
9A£ICIA 5676/ATRAZINE (4SC)	3.6	LAA	4	99	99
10A£ICIA 5676/ATRAZINE (4SC)	4.00	LAA	4	93	99
11A£AXIOM	0.98	LAA	4	0	83
B ATRAZINE 90DF (WG)	1.5	LAA	4		
12A£AXIOM	0.94	LAA	4	98	99
B MARKSMAN (3.2SC)	1.4	LAA	11		
13A DUAL II (7.8EC)	2.5	LAA	4	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11		
14A DUAL II (7.8EC)	2.5	LAA	4	99	99
B SENCOR DF (75WG)	0.188	LAA	4		
C MARKSMAN (3.2SC)	1.4	LAA	11		
15A ACCENT (75WG)	0.031	LAA	11	98	99
B MARKSMAN (3.2SC)	1.4	LAA	11		
C£ACTIVATE PLUS	0.25	PMV	11		
16A£BROADSTRIKE PLUS	0.26	LAA	4	99	99
B£TOPNOTCH	2.4	LAA	4		
17A£BROADSTRIKE PLUS	0.17	LAA	4	99	99
B SURPASS 100 (5SC)	3.5	LAA	4		
18A BICEP II (6SC)	3.69	LAA	9	95	99
19A£GUARDSMAN	2.81	LAA	9	90	99
20A£SURPASS 100	3.13	LAA	9	93	99
21A UNTREATED CHECK	0.00	NA	0	0	0
22A EXTRAZINE II DF (90WG)	4.00	LAA	9	95	99
23A£HARNES XTRA 5.6L	3.36	LAA	9	99	99
24A£TOPNOTCH	2.00	LAA	9	96	99
B ATRAZINE 90DF (WG)	1.5	LAA	9		
25A£ICIA 5676/ATRAZINE (4SC)	3.00	LAA	9	94	99
26A£ICIA 5676/ATRAZINE (4SC)	3.3	LAA	9	98	99
27A£AXIOM	0.94	LAA	9	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	9		
28A£BROADSTRIKE+DUAL	2.4	LAA	9	99	99
B ATRAZINE 90DF (WG)	1.25	LAA	9		
29A£BROADSTRIKE PLUS	0.26	LAA	9	99	99
B£TOPNOTCH	2.00	LAA	9		
30A SURPASS 100 (5SC)	3.13	LAA	9	98	99
B£BROADSTRIKE PLUS	0.17	LAA	9		

LSD (0.05)                      8.2                      3.5  
STANDARD DEVIATION                      19.6                      18.7

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 4.6  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 25 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	05	09	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-24-96	05-19-96	MDY
AIR TEMPERATURE	68	87	½F
% REL.HUMIDITY	32	40	
WIND DIRECTION	SOUTHEAST	SOUTHWEST	
WIND SPEED	10.0	17.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
CORN, DENT	HGH/NA	HGH/00	
PIONEER 3394	****/****	****/****	IN
05-18-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/00	
	****/****	****/****	IN
PIGWEEED, REDROOT	HGH/NA	HGH/NA	
	****/****	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/00	
	****/****	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/00	
	****/****	****/****	IN

## \* TIMING CODES

05 = EPP15  
 09 = PRE

## \* STAGE CODE

00 = DRY SEED (DORMANT)  
 NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	ZEAMD	SETFA
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
				06-19-96	06-19-96	06-19-96	06-19-96	07-23-96	07-23-96
1AEXP31130A	0.094	LAA	5	0	73	95	94	0	67
2AEXP31130A	0.14	LAA	5	0	72	92	96	0	65
3AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	5 5	0	92	92	99	0	75
4AEXP31130A BETOPNOTCH	0.14 1.00	LAA LAA	5 5	0	88	93	98	0	82
5AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	5 5	0	87	92	98	0	75
6AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	5 5 5	0	92	95	99	0	82
7AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	0	88	87	90	0	75
8AEXP31130A B DUAL II (7.8EC)	0.14 1.25	LAA LAA	5 5	0	95	93	91	0	90
9AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	0	92	90	98	0	85
10AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	5 5 5	0	93	95	99	0	88
11AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	0	67	95	96	0	72
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	0	85	92	99	0	75
13A DUAL II (7.8EC) C ATRAZINE 90DF (WG)	2.00 2.00	LAA LAA	5 5	0	96	96	99	0	85
14A BICEP II (6SC)	4.13	LAA	5	0	90	83	99	0	82
15AEXP31130A	0.094	LAA	9	0	98	96	99	0	93
16AEXP31130A	0.118	LAA	9	0	96	93	99	2	85
17AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	9 9	0	95	96	99	0	88
18AEXP31130A BETOPNOTCH	0.118 1.00	LAA LAA	9 9	0	96	92	99	0	80
19AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	9 9	0	99	93	99	2	83
20AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	9 9 9	0	99	96	99	0	93
21AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	9 9	0	99	93	99	0	90
22AEXP31130A B DUAL II (7.8EC)	0.118 1.25	LAA LAA	9 9	0	95	93	99	0	83
23AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	9 9	0	99	95	99	0	93
24AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	9 9 9	0	98	95	99	0	93
25AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	9 9	0	95	95	99	0	83
26AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	9 9	0	96	95	99	0	82

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	CHEAL	ZEAMD	SETFA	
	RATE	UNIT	TM	CON % 06-19-96	CON % 06-19-96	CON % 06-19-96	CON % 06-19-96	CON % 07-23-96	CON % 07-23-96	
27A DUAL II (7.8EC)	2.00	LAA	9	0	95	88	99	2	85	
C ATRAZINE 90DF (WG)	2.00	LAA	9							
28A BICEP II (6SC)	4.13	LAA	9	0	98	90	99	0	92	
29A£HAND WEDED	0.00	NA	9	0	0	0	0	0	99	
				LSD (0.05)	0.0	9.3	6.4	5.5	1.5	11.8
				STANDARD DEVIATION	0.0	19.2	17.5	18.2	0.9	10.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL	AMARE
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1AEXP31130A	0.094	LAA	5	95	93	86
2AEXP31130A	0.14	LAA	5	95	82	85
3AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	5 5	88	88	90
4AEXP31130A BETOPNOTCH	0.14 1.00	LAA LAA	5 5	98	98	93
5AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	5 5	90	93	96
6AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	5 5 5	95	99	95
7AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	78	75	94
8AEXP31130A B DUAL II (7.8EC)	0.14 1.25	LAA LAA	5 5	96	85	90
9AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	83	82	90
10AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	5 5 5	95	99	96
11AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	92	99	98
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	96	99	98
13A DUAL II (7.8EC) C ATRAZINE 90DF (WG)	2.00 2.00	LAA LAA	5 5	88	99	96
14A BICEP II (6SC)	4.13	LAA	5	82	98	93
15AEXP31130A	0.094	LAA	9	96	99	96
16AEXP31130A	0.118	LAA	9	95	98	95
17AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	9 9	96	99	93
18AEXP31130A BETOPNOTCH	0.118 1.00	LAA LAA	9 9	88	98	93
19AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	9 9	88	99	95
20AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	9 9 9	96	99	99
21AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	9 9	93	91	93
22AEXP31130A B DUAL II (7.8EC)	0.118 1.25	LAA LAA	9 9	88	88	93
23AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	9 9	92	98	96
24AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.00	LAA LAA LAA	9 9 9	96	99	99
25AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	9 9	96	99	98
26AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	9 9	93	99	99

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL	AMARE
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
27A DUAL II (7.8EC)	2.00	LAA	9	77	99	98
C ATRAZINE 90DF (WG)	2.00	LAA	9			
28A BICEP II (6SC)	4.13	LAA	9	78	99	99
29AEHAND WEDED	0.00	NA	9	99	99	99
				LSD (0.05)		
				8.1	7.9	8.3
				STANDARD DEVIATION	7.6	5.5

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 4.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	05	
TYPE	LIQMXSPR	
APPLICATION DATE	04-10-96	MDY
AIR TEMPERATURE	57	1/2 F
% REL. HUMIDITY	25	
WIND DIRECTION	WEST	
WIND SPEED	15.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP *** CORN, DENT DK592 05-02-96	HGH/NA ****/****	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	IN
LAMBSQUARTERS, C	HGH/NA ****/****	IN
SMARTWEED, PENNS	HGH/NA ****/****	IN
FOXTAIL, GIANT	HGH/NA ****/****	IN

\* TIMING CODES  
 05 = EPP15 DBP

\* STAGE CODE  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	POLPY	ZEAMD
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
				06-14-96	06-14-96	06-14-96	06-14-96	06-14-96	07-11-96
1AEXP31130A	0.094	LAA	5	0	72	65	98	82	0
2AEXP31130A	0.141	LAA	5	2	75	82	98	90	0
3AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	5 5	0	88	83	98	76	0
4AEXP31130A BETOPNOTCH	0.141 1.00	LAA LAA	5 5	2	82	85	98	83	0
5AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	5 5	0	93	88	99	88	0
6AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	5 5 5	2	88	93	99	95	0
7AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	0	78	85	99	82	0
8AEXP31130A B DUAL II (7.8EC)	0.141 1.25	LAA LAA	5 5	3	78	93	98	57	3
9AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	3	90	91	95	72	0
10AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.25	LAA LAA LAA	5 5 5	3	85	98	98	91	0
11AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	0	75	91	99	93	0
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	0	83	90	99	96	2
13A ATRAZINE 90DF (WG) B DUAL II (7.8EC)	2.00 2.00	LAA LAA	5 5	3	85	70	99	98	0
14A BICEP II (6SC)	4.00	LAA	5	0	96	82	98	99	0
15A UNTREATED CHECK	0.00	NA	5	0	0	0	0	0	0
		LSD (0.05)		5.2	9.9	17.3	3.2	20.0	2.8
		STANDARD DEVIATION		3.0	22.4	24.6	24.5	25.9	1.6

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	CHEAL	POLPY	
	RATE	UNIT	TM	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	
1AEXP31130A	0.094	LAA	5	28	85	77	85	
2AEXP31130A	0.141	LAA	5	42	95	95	88	
3AEXP31130A BETOPNOTCH	0.094 1.00	LAA LAA	5 5	62	87	88	75	
4AEXP31130A BETOPNOTCH	0.141 1.00	LAA LAA	5 5	67	93	91	85	
5AEXP31130A BETOPNOTCH	0.094 1.5	LAA LAA	5 5	78	88	85	90	
6AEXP31130A B ATRAZINE 90DF (WG) CETOPNOTCH	0.094 1.25 1.00	LAA LAA LAA	5 5 5	72	95	99	98	
7AEXP31130A B DUAL II (7.8EC)	0.094 1.25	LAA LAA	5 5	67	90	87	80	
8AEXP31130A B DUAL II (7.8EC)	0.141 1.25	LAA LAA	5 5	70	95	88	50	
9AEXP31130A B DUAL II (7.8EC)	0.094 1.875	LAA LAA	5 5	78	91	86	67	
10AEXP31130A B ATRAZINE 90DF (WG) C DUAL II (7.8EC)	0.094 1.25 1.25	LAA LAA LAA	5 5 5	77	96	98	96	
11AEXP31130A B ATRAZINE 90DF (WG)	0.094 1.25	LAA LAA	5 5	50	98	99	96	
12AEXP31130A B ATRAZINE 90DF (WG)	0.094 2.00	LAA LAA	5 5	72	96	99	98	
13A ATRAZINE 90DF (WG) B DUAL II (7.8EC)	2.00 2.00	LAA LAA	5 5	80	58	99	96	
14A BICEP II (6SC)	4.00	LAA	5	85	83	99	99	
15A UNTREATED CHECK	0.00	NA	5	0	0	0	0	
				LSD (0.05) STANDARD DEVIATION	17.9 24.0	14.7 25.3	10.7 24.4	23.1 27.5

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 4.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-02-96	MDY
AIR TEMPERATURE	62	1/2 F
% REL. HUMIDITY	27	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP *** CORN, DENT DK592 05-02-96	HGH/NA ****/****	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	IN
RAGWEED, COMMON	HGH/NA ****/****	IN
LAMBSQUARTERS, C	HGH/NA ****/****	IN
SMARTWEED, PENNS	HGH/NA ****/****	IN
FOXTAIL, GIANT	HGH/NA ****/****	IN

\* TIMING CODES

09 = PRE

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE





TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ABUTH	AMBEL	CHEAL	POLPY	
	RATE	UNIT		CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	
1A£EXP31130A	0.071	LAA	9	0	52	91	92	98	91	
2A£EXP31130A	0.094	LAA	9	0	68	93	70	99	90	
3A£EXP31130A	0.12	LAA	9	0	68	92	88	98	96	
4A DUAL II (7.8EC)	1.00	LAA	9	0	90	68	3	63	72	
5A DUAL II (7.8EC)	1.25	LAA	9	0	93	77	5	80	70	
6A DUAL II (7.8EC)	1.5	LAA	9	0	92	78	20	67	72	
7A ATRAZINE 90DF (WG)	1.00	LAA	9	0	27	65	83	99	98	
8A UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0	
9A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99	
10A ATRAZINE 90DF (WG)	1.5	LAA	9	0	38	83	95	99	99	
11A£EXP31130A	0.094	LAA	9	0	92	92	75	98	85	
B DUAL II (7.8EC)	1.00	LAA	9							
12A£EXP31130A	0.094	LAA	9	0	92	85	75	98	96	
B DUAL II (7.8EC)	1.25	LAA	9							
13A£EXP31130A	0.094	LAA	9	0	95	85	91	99	78	
B DUAL II (7.8EC)	1.5	LAA	9							
14A£EXP31130A	0.094	LAA	9	0	80	93	92	99	99	
B ATRAZINE 90DF (WG)	1.00	LAA	9							
15A£EXP31130A	0.094	LAA	9	0	82	98	96	99	99	
B ATRAZINE 90DF (WG)	1.5	LAA	9							
16A£EXP31130A	0.094	LAA	9	0	92	93	95	99	99	
B DUAL II (7.8EC)	1.00	LAA	9							
D ATRAZINE 90DF (WG)	1.00	LAA	9							
17A£EXP31130A	0.094	LAA	9	0	95	98	99	99	99	
B DUAL II (7.8EC)	1.00	LAA	9							
D ATRAZINE 90DF (WG)	1.5	LAA	9							
18A£EXP31130A	0.094	LAA	9	0	93	95	96	99	98	
B DUAL II (7.8EC)	1.25	LAA	9							
D ATRAZINE 90DF (WG)	1.00	LAA	9							
19A£EXP31130A	0.094	LAA	9	0	95	95	98	99	98	
B DUAL II (7.8EC)	1.25	LAA	9							
D ATRAZINE 90DF (WG)	1.5	LAA	9							
20A£EXP31130A	0.094	LAA	9	0	92	93	80	99	98	
B DUAL II (7.8EC)	1.5	LAA	9							
D ATRAZINE 90DF (WG)	1.00	LAA	9							
21A£EXP31130A	0.094	LAA	9	0	95	93	98	99	98	
B DUAL II (7.8EC)	1.5	LAA	9							
D ATRAZINE 90DF (WG)	1.5	LAA	9							
22A£EXP31130A	0.094	LAA	9	2	83	92	81	95	86	
B SURPASS (6.4EC)	1.00	LAA	9							
23A£EXP31130A	0.094	LAA	9	0	88	87	82	96	87	
B SURPASS (6.4EC)	1.2	LAA	9							
24A BICEP II (6SC)	4.00	LAA	9	0	95	87	93	99	98	
				LSD (0.05)	1.0	11.2	9.1	15.5	5.1	10.8
				STANDARD DEVIATION	0.6	25.4	20.2	32.6	21.4	21.2

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS FOR CONVENTIONAL CORN APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.0  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-14-96	MDY
AIR TEMPERATURE	58	79	½F
% REL. HUMIDITY	42	55	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	12.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/	STG/	MINMAXSZ
*** CROP ***			
CORN, DENT	HGH/NA	HGH/14	
DK592	****/****	3.00/5.00	IN
05-02-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	0.50/1.00	IN
RAGWEED, COMMON	HGH/NA	HGH/13	
05-02-96	****/****	2.00/3.00	IN
RAGWEED, GIANT	HGH/NA	HGH/14	
	****/****	3.00/6.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	
	****/****	0.50/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/11	
	****/****	0.50/0.50	IN
FOXTAIL, GIANT	HGH/NA	HGH/14	
	****/****	3.00/6.00	IN

\* TIMING CODES  
 09 = PRE  
 11 = EPOST

\* STAGE CODE  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	POLPY
	RATE	UNIT	TM	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96
1A BICEP II (6SC)	4.43	LAA	9	2	95	80	87	98	98
2AEHARNESS XTRA 5.6L	3.85	LAA	9	2	95	78	93	98	98
3A GUARDSMAN (5SE)	3.13	LAA	9	0	96	83	92	95	98
4A EXTRAZINE II DF (90WG)	5.00	LAA	9	3	95	88	95	98	99
5A SURPASS 100 (5SC)	3.75	LAA	9	0	95	82	95	98	98
6A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	5	95	68	98	99	98
7A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	5	95	77	96	98	99
B ATRAZINE 90DF (WG)	1.25	LAA	9						
8AE BROADSTRIKE PLUS	0.26	LAA	9	5	95	65	95	98	95
B DUAL II (7.8EC)	2.5	LAA	9						
9AE FRONTIER 6.0L (EC)	1.36	LAA	9	7	96	85	99	99	96
B MARKSMAN (3.2SC)	1.4	LAA	11						
10AE FRONTIER 6.0L (EC)	1.36	LAA	9	8	95	68	95	99	96
B CLARITY (4SL)	0.5	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
11A DUAL II (7.8EC)	2.5	LAA	9	5	95	72	95	98	87
B EXCEED	0.036	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
12A DUAL II (7.8EC)	2.5	LAA	9	2	95	77	96	93	88
B EXCEED	0.036	LAA	11						
C BANVEL (4SL)	0.06	LAA	11						
D DEACTIVATE PLUS	0.25	PMV	11						
13AE AXIOM	0.89	LAA	9	5	95	78	96	99	95
B EXCEED	0.036	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
14AE FRONTIER 6.0L (EC)	1.36	LAA	9	5	95	75	96	98	90
B ETOUGH (5.0 EC)	0.47	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
15AE FRONTIER 6.0L (EC)	1.36	LAA	9	5	95	92	96	99	95
B ETOUGH (5.0 EC)	0.7	LAA	11						
C ATRAZINE 90DF (WG)	1.00	LAA	11						
D ECOC	1.00	PMV	11						
16A DUAL II (7.8EC)	2.5	LAA	9	7	95	83	98	99	90
B ELADDOK S12	1.04	LAA	11						
C ECOC	1.00	PMV	11						
17A DUAL II (7.8EC)	2.5	LAA	9	5	95	78	95	96	90
B BUCTRIL GEL (4EC)	0.25	LAA	11						
18A DUAL II (7.8EC)	2.5	LAA	9	3	95	90	95	98	93
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
19A DUAL II (7.8EC)	2.5	LAA	9	3	95	72	95	98	85
B ESCORPIAN III	0.21	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
20A DUAL II (7.8EC)	2.5	LAA	9	3	95	82	95	98	83
B ERASURE	0.027	LAA	11						
C ATRAZINE 90DF (WG)	0.5	LAA	11						
D ECOC	1.00	PMV	11						
21A HARNESS (7EC)	2.00	LAA	9	5	95	82	95	99	91
B PERMIT (75WG)	0.031	LAA	11						
C DEACTIVATE PLUS	0.25	PMV	11						
22A HARNESS (7EC)	2.00	LAA	9	5	96	75	95	96	95
B PERMIT (75WG)	0.031	LAA	11						
C BANVEL (4SL)	0.063	LAA	11						
D DEACTIVATE PLUS	0.25	PMV	11						

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	POLPY	
	RATE	UNIT	TM	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	
23A ACCENT (75WG) BEBUCTRIL GEL CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.031 0.25 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	8	88	82	96	99	93	
24A ACCENT (75WG) BEXCEED CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.031 0.036 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	3	92	78	95	88	88	
25A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
26A ACCENT (75WG) B BUCTRIL + ATRAZINE (3SC) CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.031 0.75 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	7	90	80	90	99	96	
27A ACCENT (75WG) B SENCOR DF (75WG) CE2,4-D LVE DEACTIVATE PLUS E FERTILIZER - 28%UAN	0.031 0.094 0.18 0.25 2.5	LAA LAA LAA PMV PMV	11 11 11 11 11	7	90	73	96	99	91	
28A ACCENT (75WG) BESAN 1269H CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.031 0.35 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	2	83	77	95	96	96	
				LSD (0.05) STANDARD DEVIATION	6.0 4.0	3.6 17.8	8.9 16.5	4.5 17.9	4.6 18.4	7.4 18.3

TRT COMPOUND NUM TESTED	DOSAGE			AMBEL	ZEAMD	SETFA	AMBTR	ABUTH	CHEAL
	RATE	UNIT	TM	CON % 06-24-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96
1A BICEP II (6SC)	4.43	LAA	9	98	0	95	87	90	99
2A EHARNES XTRA 5.6L	3.85	LAA	9	99	0	93	77	95	99
3A GUARDSMAN (5SE)	3.13	LAA	9	98	2	93	85	87	99
4A EXTRAZINE II DF (90WG)	5.00	LAA	9	99	0	88	90	96	99
5A SURPASS 100 (5SC)	3.75	LAA	9	99	0	95	82	90	99
6A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	99	2	95	58	98	99
7A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	98	0	96	82	99	99
B ATRAZINE 90DF (WG)	1.25	LAA	9						
8A EBROADSTRIKE PLUS	0.26	LAA	9	98	0	96	53	99	99
B DUAL II (7.8EC)	2.5	LAA	9						
9A EFRONTIER 6.0L (EC)	1.36	LAA	9	96	0	92	93	98	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
10A EFRONTIER 6.0L (EC)	1.36	LAA	9	99	0	82	85	93	99
B CLARITY (4SL)	0.5	LAA	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
11A DUAL II (7.8EC)	2.5	LAA	9	91	3	95	90	90	96
B EXCEED	0.036	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
12A DUAL II (7.8EC)	2.5	LAA	9	94	0	96	92	98	99
B EXCEED	0.036	LAA	11						
C BANVEL (4SL)	0.06	LAA	11						
D ACTIVATE PLUS	0.25	PMV	11						
13A EAXIOM	0.89	LAA	9	96	2	87	92	95	99
B EXCEED	0.036	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
14A EFRONTIER 6.0L (EC)	1.36	LAA	9	96	2	90	82	99	98
B TOUGH (5.0 EC)	0.47	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
15A EFRONTIER 6.0L (EC)	1.36	LAA	9	99	0	95	88	98	99
B TOUGH (5.0 EC)	0.7	LAA	11						
C ATRAZINE 90DF (WG)	1.00	LAA	11						
D ECOC	1.00	PMV	11						
16A DUAL II (7.8EC)	2.5	LAA	9	99	0	93	83	98	99
B ELADDOK S12	1.04	LAA	11						
C ECOC	1.00	PMV	11						
17A DUAL II (7.8EC)	2.5	LAA	9	98	3	90	70	90	99
B BUCTRIL GEL (4EC)	0.25	LAA	11						
18A DUAL II (7.8EC)	2.5	LAA	9	98	0	92	82	93	99
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
19A DUAL II (7.8EC)	2.5	LAA	9	91	0	95	87	99	99
B ESCORPIAN III	0.21	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
20A DUAL II (7.8EC)	2.5	LAA	9	98	0	95	70	92	99
B RESOURCE	0.027	LAA	11						
C ATRAZINE 90DF (WG)	0.5	LAA	11						
D ECOC	1.00	PMV	11						
21A HARNESS (7EC)	2.00	LAA	9	94	0	90	82	88	96
B PERMIT (75WG)	0.031	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
22A HARNESS (7EC)	2.00	LAA	9	99	3	95	88	99	99
B PERMIT (75WG)	0.031	LAA	11						
C BANVEL (4SL)	0.063	LAA	11						
D ACTIVATE PLUS	0.25	PMV	11						

TRT COMPOUND NUM TESTED	DOSAGE			AMBEL	ZEAMD	SETFA	AMBTR	ABUTH	CHEAL	
	RATE	UNIT	TM	CON % 06-24-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	
23A ACCENT (75WG)	0.031	LAA	11	95	0	87	57	92	99	
BEBUCTRIL GEL	0.25	LAA	11							
CÉACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
24A ACCENT (75WG)	0.031	LAA	11	96	0	95	95	93	99	
BÉEXCEED	0.036	LAA	11							
CÉACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
25A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
26A ACCENT (75WG)	0.031	LAA	11	99	0	92	67	87	99	
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11							
CÉACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
27A ACCENT (75WG)	0.031	LAA	11	96	0	90	82	96	99	
B SENCOR DF (75WG)	0.094	LAA	11							
CÉ2,4-D LVE	0.18	LAA	11							
DÉACTIVATE PLUS	0.25	PMV	11							
E FERTILIZER - 28%UAN	2.5	PMV	11							
28A ACCENT (75WG)	0.031	LAA	11	99	0	78	90	99	99	
BÉSAN 1269H	0.35	LAA	11							
CÉACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
				LSD (0.05)	6.9	3.1	6.4	14.9	6.4	1.9
				STANDARD DEVIATION	18.5	2.0	17.9	20.0	18.3	18.4

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-11-96
1A BICEP II (6SC)	4.43	LAA	9	99
2A HARNES XTRA 5.6L	3.85	LAA	9	99
3A GUARDSMAN (5SE)	3.13	LAA	9	99
4A EXTRAZINE II DF (90WG)	5.00	LAA	9	99
5A SURPASS 100 (5SC)	3.75	LAA	9	99
6A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	96
7A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	99
B ATRAZINE 90DF (WG)	1.25	LAA	9	
8A BROADSTRIKE PLUS	0.26	LAA	9	98
B DUAL II (7.8EC)	2.5	LAA	9	
9A FRONTIER 6.0L (EC)	1.36	LAA	9	98
B MARKSMAN (3.2SC)	1.4	LAA	11	
10A FRONTIER 6.0L (EC)	1.36	LAA	9	99
B CLARITY (4SL)	0.5	LAA	11	
C FERTILIZER - 28%UAN	2.5	PMV	11	
11A DUAL II (7.8EC)	2.5	LAA	9	99
B EXCEED	0.036	LAA	11	
C ACTIVATE PLUS	0.25	PMV	11	
12A DUAL II (7.8EC)	2.5	LAA	9	98
B EXCEED	0.036	LAA	11	
C BANVEL (4SL)	0.06	LAA	11	
D ACTIVATE PLUS	0.25	PMV	11	
13A AXIOM	0.89	LAA	9	99
B EXCEED	0.036	LAA	11	
C ACTIVATE PLUS	0.25	PMV	11	
14A FRONTIER 6.0L (EC)	1.36	LAA	9	93
B TOUGH (5.0 EC)	0.47	LAA	11	
C BANVEL (4SL)	0.25	LAA	11	
15A FRONTIER 6.0L (EC)	1.36	LAA	9	99
B TOUGH (5.0 EC)	0.7	LAA	11	
C ATRAZINE 90DF (WG)	1.00	LAA	11	
D COC	1.00	PMV	11	
16A DUAL II (7.8EC)	2.5	LAA	9	98
B LADDOK S12	1.04	LAA	11	
C COC	1.00	PMV	11	
17A DUAL II (7.8EC)	2.5	LAA	9	87
B BUCTRIL GEL (4EC)	0.25	LAA	11	
18A DUAL II (7.8EC)	2.5	LAA	9	98
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	
19A DUAL II (7.8EC)	2.5	LAA	9	90
B ESCORPIAN III	0.21	LAA	11	
C ACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
20A DUAL II (7.8EC)	2.5	LAA	9	75
B RESOURCE	0.027	LAA	11	
C ATRAZINE 90DF (WG)	0.5	LAA	11	
D COC	1.00	PMV	11	
21A HARNES (7EC)	2.00	LAA	9	91
B PERMIT (75WG)	0.031	LAA	11	
C ACTIVATE PLUS	0.25	PMV	11	
22A HARNES (7EC)	2.00	LAA	9	88
B PERMIT (75WG)	0.031	LAA	11	
C BANVEL (4SL)	0.063	LAA	11	
D ACTIVATE PLUS	0.25	PMV	11	



TRT COMPOUND NUM TESTED	DOSAGE		TM	POLPY CON % 07-11-96
	RATE	UNIT		
23A ACCENT (75WG)	0.031	LAA	11	98
BEBUCTRIL GEL	0.25	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
24A ACCENT (75WG)	0.031	LAA	11	98
BεEXCEED	0.036	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
25A UNTREATED CHECK	0.00	NA	0	0
26A ACCENT (75WG)	0.031	LAA	11	95
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
27A ACCENT (75WG)	0.031	LAA	11	95
B SENCOR DF (75WG)	0.094	LAA	11	
Cε2,4-D LVE	0.18	LAA	11	
DεACTIVATE PLUS	0.25	PMV	11	
E FERTILIZER - 28%UAN	2.5	PMV	11	
28A ACCENT (75WG)	0.031	LAA	11	99
BεSAN 1269H	0.35	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	

LSD (0.05) 7.4  
STANDARD DEVIATION 18.9

ε = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
PH: 6.2  
%OM: 4.5  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	07	
TYPE	LIQMXSPR	
APPLICATION DATE	05-02-96	MDY
AIR TEMPERATURE	65	½F
% REL. HUMIDITY	24	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP *** CORN, DENT DK592 05-02-96	HGH/00 ****/****	IN
*** PEST *** VELVETLEAF	HGH/00 ****/****	IN
RAGWEED, COMMON	HGH/00 ****/****	IN
LAMBSQUARTERS, C	HGH/00 ****/****	IN
SMARTWEED, PENNS	HGH/00 ****/****	IN
FOXTAIL, GIANT	HGH/00 ****/****	IN
*** PEST *** FOXTAIL, GIANT	HGH/00 ****/****	IN

\* TIMING CODES  
07 = PPI

\* STAGE CODE  
00 = DRY SEED (DORMANT)

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	AMBEL	POLPY	
	RATE	UNIT	TM	CON % 06-13-96	CON % 06-13-96	CON % 06-13-96	CON % 06-13-96	CON % 06-13-96	
1A DUAL II (7.8EC)	2.5	LAA	7	0	87	0	58	68	
2A DUAL II (7.8EC)	3.00	LAA	7	0	85	13	43	68	
3A DUAL II MAGNUM	1.6	LAA	7	2	85	0	60	70	
4A DUAL II MAGNUM	1.9	LAA	7	0	92	17	70	90	
5A FRONTIER 6.0L (EC)	1.36	LAA	7	0	87	63	80	88	
6A SURPASS (6.4EC)	2.00	LAA	7	0	90	70	90	96	
7A AXIOM	0.85	LAA	7	3	90	63	80	77	
8A AXIOM	1.02	LAA	7	0	88	67	75	92	
9A BICEP II (6SC)	4.43	LAA	7	0	93	72	95	98	
10A SURPASS 100 (5SC)	3.75	LAA	7	0	90	88	95	96	
11A GUARDSMAN	3.13	LAA	7	0	88	85	93	96	
12A HARNESS XTRA 5.6L	3.82	LAA	7	0	92	77	83	95	
13A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	
14A AXIOM	0.85	LAA	7	0	93	82	86	99	
B ATRAZINE 90DF (WG)	2.00	LAA	7						
15A AXIOM	0.85	LAA	7	0	87	67	78	90	
B BROADSTRIKE PLUS	0.26	LAA	7						
16A DOUBLEPLAY	4.38	LAA	7	3	88	68	80	90	
B ATRAZINE 90DF (WG)	1.6	LAA	7						
17A TOPNOTCH	2.00	LAA	7	2	93	80	91	95	
B ATRAZINE 90DF (WG)	1.6	LAA	7						
18A ICIA 5676/ATRAZINE (4SC)	3.00	LAA	7	0	88	62	80	93	
19A ICIA 5676/ATRAZINE (4SC)	3.3	LAA	7	0	88	55	82	93	
20A BROADSTRIKE+DUAL	2.4	LAA	7	0	82	73	91	95	
21A BROADSTRIKE+DUAL	2.4	LAA	7	0	90	68	98	98	
B ATRAZINE 90DF (WG)	1.25	LAA	7						
				LSD (0.05)	2.1	9.2	21.0	19.7	15.4
				STANDARD DEVIATION	1.5	19.7	31.4	23.7	22.6

TRT COMPOUND NUM TESTED	DOSAGE			CHEAL	ZEAMD	SETFA	AMBEL	AMBTR	POLPY	
	RATE	UNIT	TM	CON % 06-13-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	
1A DUAL II (7.8EC)	2.5	LAA	7	90	0	87	58	96	55	
2A DUAL II (7.8EC)	3.00	LAA	7	87	0	87	48	99	68	
3A DUAL II MAGNUM	1.6	LAA	7	90	0	83	60	99	68	
4A DUAL II MAGNUM	1.9	LAA	7	93	2	90	62	99	88	
5A FRONTIER 6.0L (EC)	1.36	LAA	7	98	5	80	67	83	81	
6A SURPASS (6.4EC)	2.00	LAA	7	99	0	73	80	89	93	
7A AXIOM	0.85	LAA	7	99	5	87	70	93	83	
8A AXIOM	1.02	LAA	7	99	7	88	62	65	88	
9A BICEP II (6SC)	4.43	LAA	7	99	2	92	98	99	99	
10A SURPASS 100 (5SC)	3.75	LAA	7	99	5	85	96	99	96	
11A GUARDSMAN	3.13	LAA	7	99	2	87	98	99	98	
12A HARNESS XTRA 5.6L	3.82	LAA	7	99	3	83	93	94	96	
13A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
14A AXIOM	0.85	LAA	7	99	0	93	99	96	98	
B ATRAZINE 90DF (WG)	2.00	LAA	7							
15A AXIOM	0.85	LAA	7	98	2	78	78	89	93	
B BROADSTRIKE PLUS	0.26	LAA	7							
16A DOUBLEPLAY	4.38	LAA	7	99	2	78	82	99	93	
B ATRAZINE 90DF (WG)	1.6	LAA	7							
17A TOPNOTCH	2.00	LAA	7	99	8	88	93	94	93	
B ATRAZINE 90DF (WG)	1.6	LAA	7							
18A IICIA 5676/ATRAZINE (4SC)	3.00	LAA	7	99	3	75	85	99	90	
19A IICIA 5676/ATRAZINE (4SC)	3.3	LAA	7	99	2	85	77	96	92	
20A BROADSTRIKE+DUAL	2.4	LAA	7	99	2	82	83	96	92	
21A BROADSTRIKE+DUAL	2.4	LAA	7	99	2	85	96	96	98	
B ATRAZINE 90DF (WG)	1.25	LAA	7							
				LSD (0.05)	7.3	3.5	10.5	21.0	20.3	17.7
				STANDARD DEVIATION	21.3	2.9	19.4	25.0	23.6	23.5

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH CON % 07-11-96
	RATE	UNIT		
1A DUAL II (7.8EC)	2.5	LAA	7	0
2A DUAL II (7.8EC)	3.00	LAA	7	0
3A DUAL II MAGNUM	1.6	LAA	7	0
4A DUAL II MAGNUM	1.9	LAA	7	0
5A FRONTIER 6.0L (EC)	1.36	LAA	7	60
6A SURPASS (6.4EC)	2.00	LAA	7	67
7A EAXIOM	0.85	LAA	7	72
8A EAXIOM	1.02	LAA	7	77
9A BICEP II (6SC)	4.43	LAA	7	68
10A SURPASS 100 (5SC)	3.75	LAA	7	82
11A GUARDSMAN	3.13	LAA	7	77
12A HARNESS XTRA 5.6L	3.82	LAA	7	73
13A UNTREATED CHECK	0.00	NA	0	0
14A EAXIOM	0.85	LAA	7	91
B ATRAZINE 90DF (WG)	2.00	LAA	7	
15A EAXIOM	0.85	LAA	7	86
B BROADSTRIKE PLUS	0.26	LAA	7	
16A DOUBLEPLAY	4.38	LAA	7	60
B ATRAZINE 90DF (WG)	1.6	LAA	7	
17A TOPNOTCH	2.00	LAA	7	65
B ATRAZINE 90DF (WG)	1.6	LAA	7	
18A ICIA 5676/ATRAZINE (4SC)	3.00	LAA	7	67
19A ICIA 5676/ATRAZINE (4SC)	3.3	LAA	7	53
20A BROADSTRIKE+DUAL	2.4	LAA	7	85
21A BROADSTRIKE+DUAL	2.4	LAA	7	91
B ATRAZINE 90DF (WG)	1.25	LAA	7	
		LSD (0.05)		21.4
		STANDARD DEVIATION		34.6

£ = SUPPLEMENTAL CHEMICAL

POSTEMERGENCE BROADLEAF WEED CONTROL IN CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.2  
%OM: 4.5  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
<b>TIMINGS</b>	11	12	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	06-14-96	06-20-96	MDY
<b>AIR TEMPERATURE</b>	79	72	½F
<b>% REL. HUMIDITY</b>	57	75	
<b>WIND DIRECTION</b>	SOUTHWEST	SOUTHWEST	
<b>WIND SPEED</b>	3.0	3.0	M/H
<b>SKY CONDITION</b>	PARTCLDY	PARTCLDY	
<b>LEAF MOISTURE</b>	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	
<b>SOIL CONDITION</b>	CLODDY	CLODDY	
<b>METHOD</b>	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	
<b>PRESSURE</b>	40.00	40.00	PSI
<b>DILUENT</b>	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
<b>*** CROP ***</b>			
CORN, DENT	HGH/14	HGH/15	
DK 592	4.00/6.00	6.00/8.00	IN
05-02-96			
<b>*** PEST ***</b>			
VELVETLEAF	HGH/12	HGH/13	
	0.50/1.00	1.00/3.00	IN
RAGWEED, COMMON	HGH/13	HGH/14	
	1.00/3.00	2.00/6.00	IN
RAGWEED, GIANT	HGH/13	HGH/15	
	3.00/5.00	4.00/12.0	IN
LAMBSQUARTERS, C	HGH/12	HGH/14	
	0.50/1.00	1.00/3.00	IN
SMARTWEED, PENNS	HGH/11	HGH/13	
	1.00/2.00	2.00/6.00	IN

## \* TIMING CODES

11 = EPOST  
12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application Poast Plus 0.188 lb 6-10-96

TRT COMPOUND NUM TESTED	DOSAGE			TM	ZEAMD	AMBTR	AMBEL	CHEAL	ABUTH	POLPY
	RATE	UNIT	CON %		07-01-96	07-01-96	07-01-96	07-01-96	07-01-96	07-01-96
1AESCORPIAN III BACTIVATE PLUS C FERTILIZER - 28%UAN	0.21 0.25 2.5	LAA PMV PMV	11 11 11		0	99	97	99	99	99
2AEBROADSTRIKE PLUS BACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	11 11 11		0	98	97	95	99	99
3AEBROADSTRIKE PLUS BACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	11 11 11		0	99	99	98	99	99
4A MARKSMAN (3.2SC)	1.4	LAA	11		0	99	99	99	99	99
5A CLARITY (4SL) B FERTILIZER - 28%UAN	0.5 2.5	LAA PMV	11 11		0	98	99	99	99	99
6AETOUGH (5.0 EC) B ATRAZINE 90DF (WG) C ECOC	0.7 1.00 1.00	LAA LAA PMV	11 11 11		0	87	96	99	71	83
7AESAN 1269H BACTIVATE PLUS D FERTILIZER - 28%UAN	0.236 0.25 1.25	LAA PMV LAA	11 11 11		0	95	99	99	95	99
8AESAN 1269H BACTIVATE PLUS D FERTILIZER - 28%UAN	0.35 0.25 1.25	LAA PMV PMV	11 11 11		0	99	99	98	99	99
9AEXCEED B ECOC	0.036 1.00	LAA PMV	12 12		0	99	99	98	99	98
10AEXCEED B BANVEL (4SL) C ECOC	0.036 0.063 1.00	LAA LAA PMV	12 12 12		0	99	99	99	99	97
11AEXCEED B BANVEL (4SL) C ECOC	0.036 0.125 1.00	LAA LAA PMV	12 12 12		0	99	99	99	98	99
12APERMIT B ECOC	0.031 1.00	LAA PMV	12 12		0	98	99	10	97	99
13A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.063 1.00	LAA LAA PMV	12 12 12		0	99	99	98	98	98
14A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.125 1.00	LAA LAA PMV	12 12 12		0	99	99	99	98	98
15A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12		0	96	98	99	94	93
16AEBROADSTRIKE PLUS BACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	12 12 12		0	97	97	99	99	99
17AEBROADSTRIKE PLUS BACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	12 12 12		0	98	97	99	99	99
18A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0
19AESAN 1269H BACTIVATE PLUS D FERTILIZER - 28%UAN	0.175 0.25 1.25	LAA PMV LAA	12 12 12		0	99	99	99	99	99
20AESAN 1269H BACTIVATE PLUS D FERTILIZER - 28%UAN	0.263 0.25 1.25	LAA PMV LAA	12 12 12		0	99	99	99	99	99
21A SENCOR DF (75WG) B E2,4-D LVE	0.094 0.18	LAA LAA	11 11		0	93	95	99	83	90
22A LADDOK S-12 (5SC) B ECOC	1.04 1.00	LAA PMV	12 12		0	98	99	99	97	99

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	AMBTR	AMBEL	CHEAL	ABUTH	POLPY
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
23A SENCOR DF (75WG)	0.094	LAA	11	0	97	96	96	96	96
B MARKSMAN (3.2SC)	0.8	LAA	11						
24A SENCOR DF (75WG)	0.094	LAA	12	0	98	98	98	98	99
BEBUCTRIL GEL	0.25	LAA	12						
		LSD (0.05)		0.0	3.6	3.0	2.6	9.2	5.3
		STANDARD DEVIATION		0.0	19.8	19.7	25.9	20.7	20.0



TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	AMBTR	ABUTH	CHEAL	POLPY
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A ESCORPIAN III B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.21 0.25 2.5	LAA PMV PMV	11 11 11	2	98	98	99	98
2A BROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	11 11 11	8	93	99	99	99
3A BROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	11 11 11	0	97	99	98	99
4A MARKSMAN (3.2SC)	1.4	LAA	11	5	99	99	99	99
5A CLARITY (4SL) B FERTILIZER - 28%UAN	0.5 2.5	LAA PMV	11 11	2	98	98	99	99
6A TOUGH (5.0 EC) B ATRAZINE 90DF (WG) C ECOC	0.7 1.00 1.00	LAA LAA PMV	11 11 11	2	93	95	99	93
7A ESAN 1269H B ACTIVATE PLUS D FERTILIZER - 28%UAN	0.236 0.25 1.25	LAA PMV LAA	11 11 11	2	95	99	99	98
8A ESAN 1269H B ACTIVATE PLUS D FERTILIZER - 28%UAN	0.35 0.25 1.25	LAA PMV PMV	11 11 11	0	99	99	99	99
9A EXCEED B ECOC	0.036 1.00	LAA PMV	12 12	2	96	98	97	99
10A EXCEED B BANVEL (4SL) C ECOC	0.036 0.063 1.00	LAA LAA PMV	12 12 12	3	99	95	99	98
11A EXCEED B BANVEL (4SL) C ECOC	0.036 0.125 1.00	LAA LAA PMV	12 12 12	5	99	99	99	98
12A PERMIT B ECOC	0.031 1.00	LAA PMV	12 12	5	91	88	73	77
13A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.063 1.00	LAA LAA PMV	12 12 12	0	99	98	97	95
14A PERMIT (75WG) B BANVEL (4SL) C ECOC	0.031 0.125 1.00	LAA LAA PMV	12 12 12	3	95	98	98	96
15A BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	5	95	88	99	96
16A BROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.09 0.25 2.5	LAA PMV PMV	12 12 12	7	95	99	99	99
17A BROADSTRIKE PLUS B ACTIVATE PLUS C FERTILIZER - 28%UAN	0.17 0.25 2.5	LAA PMV PMV	12 12 12	10	93	99	98	99
18A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
19A ESAN 1269H B ACTIVATE PLUS D FERTILIZER - 28%UAN	0.175 0.25 1.25	LAA PMV LAA	12 12 12	7	99	98	99	99
20A ESAN 1269H B ACTIVATE PLUS D FERTILIZER - 28%UAN	0.263 0.25 1.25	LAA PMV LAA	12 12 12	7	99	99	99	99
21A SENCOR DF (75WG) B 2,4-D LVE	0.094 0.18	LAA LAA	11 11	0	90	99	99	93
22A LADDOK S-12 (5SC) B ECOC	1.04 1.00	LAA PMV	12 12	3	83	99	99	98

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMBTR	ABUTH	CHEAL	POLPY
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
23A SENCOR DF (75WG)	0.094	LAA	11	0	99	99	99	99
B MARKSMAN (3.2SC)	0.8	LAA	11					
24A SENCOR DF (75WG)	0.094	LAA	12	3	94	99	99	99
BEBUCTRIL GEL	0.25	LAA	12					
			LSD (0.05)	4.6	6.6	3.7	2.4	2.2
			STANDARD DEVIATION	3.6	19.7	19.8	20.2	19.9

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.0  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-20-96	MDY
AIR TEMPERATURE	79	85	½F
% REL. HUMIDITY	55	61	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	3.0	12.5	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/14	HGH/15	
DK 592	****/****	****/****	IN
05-02-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/12	
	1.00/2.00	1.00/4.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/2.00	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/14	
	1.00/2.00	2.00/5.00	IN
SMARTWEED, PENNS	HGH/12	HGH/14	
	1.50/2.00	3.00/3.00	IN

\* TIMING CODES

11 = EPOST  
 12 = POST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	AMBEL	CHEAL	ABUTH	POLPY	ZEAMD
	RATE	UNIT		CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96
1AERESOURCE BECOC C FERTILIZER - 28%UAN	0.027 0.5 2.5	LAA PMV PMV	11 11 11	0	92	83	90	88	0
2AERESOURCE BECOC C FERTILIZER - 28%UAN	0.013 0.5 2.5	LAA PMV PMV	11 11 11	0	43	93	95	93	0
3A CLARITY (4SL) BACTIVATE PLUS C FERTILIZER - 28%UAN	0.25 0.25 2.5	LAA PMV PMV	11 11 11	0	99	99	95	99	0
4A CLARITY (4SL) BACTIVATE PLUS	0.125 0.25	LAA PMV	11 11	0	99	99	93	99	0
5A CLARITY (4SL) BACTIVATE PLUS C FERTILIZER - 28%UAN	0.063 0.25 2.5	LAA PMV PMV	11 11 11	0	99	99	96	99	0
6AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.027 0.125 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	0	99	99	93	92	0
7AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.027 0.063 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	0	99	99	93	93	0
8AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.013 0.125 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	0	96	99	92	99	0
9AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.013 0.063 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	0	99	99	95	85	0
10A MARKSMAN (3.2SC)	1.4	LAA	11	0	99	99	98	99	0
11A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
12AERESOURCE BECOC C FERTILIZER - 28%UAN	0.027 0.5 2.5	LAA PMV PMV	12 12 12	8	94	96	93	96	0
13AERESOURCE BECOC C FERTILIZER - 28%UAN	0.013 0.5 2.5	LAA PMV PMV	12 12 12	3	86	88	87	63	0
14A CLARITY (4SL) BACTIVATE PLUS C FERTILIZER - 28%UAN	0.25 0.25 2.5	LAA PMV PMV	12 12 12	0	98	99	98	99	2
15A CLARITY (4SL) BACTIVATE PLUS C FERTILIZER - 28%UAN	0.125 0.25 2.5	LAA PMV PMV	12 12 12	0	98	99	96	99	3
16A CLARITY (4SL) BACTIVATE PLUS C FERTILIZER - 28%UAN	0.063 0.25 2.5	LAA PMV PMV	12 12 12	0	99	99	96	98	3
17AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.027 0.125 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	7	99	99	99	99	0
18AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.027 0.063 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	10	99	99	99	98	0
19AERESOURCE B CLARITY (4SL) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.013 0.125 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	3	99	99	99	99	0

TRT COMPOUND NUM TESTED	DOSAGE			TM	ZEAMD CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	POLPY CON % 07-01-96	ZEAMD CON % 07-23-96	
	RATE	UNIT									
20AERESOURCE	0.013	LAA	12		5	99	99	98	98	0	
B CLARITY (4SL)	0.063	LAA	12								
C ACTIVATE PLUS	0.25	PMV	12								
D FERTILIZER - 28%UAN	2.5	PMV	12								
21AERESOURCE	0.054	LAA	12		10	80	88	88	91	0	
B ECOC	0.5	PMV	12								
C FERTILIZER - 28%UAN	2.5	PMV	12								
22AEREACTION	0.0035	LAA	12		2	63	78	99	43	0	
B ECOC	0.5	PMV	12								
C FERTILIZER - 28%UAN	2.5	PMV	12								
24AEREACTION	0.0045	LAA	12		0	99	99	99	99	0	
B CLARITY (4SL)	0.125	LAA	12								
C ACTIVATE PLUS	0.25	PMV	12								
D FERTILIZER - 28%UAN	2.5	PMV	12								
25AEF8426	0.015	LAA	12		8	37	96	96	98	0	
B ACTIVATE PLUS	0.25	PMV	12								
26AEF8426	0.023	LAA	12		10	93	97	99	99	0	
B ACTIVATE PLUS	0.25	PMV	12								
27AEF8426	0.031	LAA	12		10	88	99	99	83	0	
B ACTIVATE PLUS	0.25	PMV	12								
28AEF8426	0.031	LAA	12		10	99	99	99	99	0	
B CLARITY (4SL)	0.125	LAA	12								
C ACTIVATE PLUS	0.25	PMV	12								
D FERTILIZER - 28%UAN	2.5	PMV	12								
					LSD (0.05)	2.3	8.5	4.5	4.7	7.2	2.6
					STANDARD DEVIATION	4.3	28.6	25.4	25.0	26.9	1.6

TRT COMPOUND NUM TESTED	DOSAGE			AMBEL	ABUTH	CHEAL	POLPY
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1AÆRESOURCE	0.027	LAA	11	92	83	92	95
BÆCOC	0.5	PMV	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
2AÆRESOURCE	0.013	LAA	11	79	99	99	96
BÆCOC	0.5	PMV	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
3A CLARITY (4SL)	0.25	LAA	11	99	97	99	95
BÆACTIVATE PLUS	0.25	PMV	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
4A CLARITY (4SL)	0.125	LAA	11	99	92	99	99
BÆACTIVATE PLUS	0.25	PMV	11				
5A CLARITY (4SL)	0.063	LAA	11	99	90	96	99
BÆACTIVATE PLUS	0.25	PMV	11				
C FERTILIZER - 28%UAN	2.5	PMV	11				
6AÆRESOURCE	0.027	LAA	11	99	96	98	94
B CLARITY (4SL)	0.125	LAA	11				
CÆACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
7AÆRESOURCE	0.027	LAA	11	99	95	98	91
B CLARITY (4SL)	0.063	LAA	11				
CÆACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
8AÆRESOURCE	0.013	LAA	11	98	96	99	99
B CLARITY (4SL)	0.125	LAA	11				
CÆACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
9AÆRESOURCE	0.013	LAA	11	99	96	98	88
B CLARITY (4SL)	0.063	LAA	11				
CÆACTIVATE PLUS	0.25	PMV	11				
D FERTILIZER - 28%UAN	2.5	PMV	11				
10A MARKSMAN (3.2SC)	1.4	LAA	11	99	99	99	99
11A UNTREATED CHECK	0.00	NA	0	0	0	0	0
12AÆRESOURCE	0.027	LAA	12	90	96	88	82
BÆCOC	0.5	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
13AÆRESOURCE	0.013	LAA	12	82	92	82	80
BÆCOC	0.5	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
14A CLARITY (4SL)	0.25	LAA	12	99	96	99	99
BÆACTIVATE PLUS	0.25	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
15A CLARITY (4SL)	0.125	LAA	12	99	92	96	98
BÆACTIVATE PLUS	0.25	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
16A CLARITY (4SL)	0.063	LAA	12	96	90	90	93
BÆACTIVATE PLUS	0.25	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
17AÆRESOURCE	0.027	LAA	12	99	98	97	98
B CLARITY (4SL)	0.125	LAA	12				
CÆACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
18AÆRESOURCE	0.027	LAA	12	98	99	99	96
B CLARITY (4SL)	0.063	LAA	12				
CÆACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
19AÆRESOURCE	0.013	LAA	12	96	98	99	93
B CLARITY (4SL)	0.125	LAA	12				
CÆACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				

TRT COMPOUND NUM TESTED	DOSAGE			AMBEL CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96	
	RATE	UNIT	TM					
20AERESOURCE	0.013	LAA	12	99	96	99	95	
B CLARITY (4SL)	0.063	LAA	12					
CÉACTIVATE PLUS	0.25	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
21AERESOURCE	0.054	LAA	12	93	99	96	94	
BÉCOC	0.5	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
22AÉACTION	0.0035	LAA	12	91	99	88	96	
BÉCOC	0.5	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
24AÉACTION	0.0045	LAA	12	98	93	89	99	
B CLARITY (4SL)	0.125	LAA	12					
CÉACTIVATE PLUS	0.25	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
25AÉF8426	0.015	LAA	12	88	92	88	96	
BÉACTIVATE PLUS	0.25	PMV	12					
26AÉF8426	0.023	LAA	12	99	99	96	98	
BÉACTIVATE PLUS	0.25	PMV	12					
27AÉF8426	0.031	LAA	12	90	99	96	91	
BÉACTIVATE PLUS	0.25	PMV	12					
28AÉF8426	0.031	LAA	12	99	99	99	96	
B CLARITY (4SL)	0.125	LAA	12					
CÉACTIVATE PLUS	0.25	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
				LSD (0.05)	13.1	5.8	7.0	7.0
				STANDARD DEVIATION	25.9	25.0	25.2	25.1

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-02-96	MDY
AIR TEMPERATURE	62	½F
% REL.HUMIDITY	27	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP *** CORN, DENT DK592 05-02-96	HGH/00 ****/****	IN
*** PEST *** FOXTAIL, GIANT	HGH/00 ****/****	IN

\* TIMING CODES

09 = PRE

\* STAGE CODE

00 = DRY SEED (DORMANT)

Blanket application 0.5 lb Clarity 6-15-96



TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ZEAMD	SETFA	YIELD	
	RATE	UNIT	TM	CON % 06-13-96	CON % 06-13-96	CON % 07-11-96	CON % 07-11-96	BU/A 11-02-96	
1A DUAL II (7.8EC)	2.5	LAA	9	2	99	0	99	163.7	
2A DUAL II (7.8EC)	5.00	LAA	9	2	99	0	99	145.8	
3A DUAL II MAGNUM	1.56	LAA	9	0	99	0	99	142.9	
4A DUAL II MAGNUM	3.12	LAA	9	0	99	0	99	162.0	
5A ETOPNOTCH	2.00	LAA	9	0	99	0	99	149.9	
6A ETOPNOTCH	4.00	LAA	9	0	99	0	99	164.5	
7A HARNESS (7EC)	2.00	LAA	9	0	99	0	98	172.6	
8A HARNESS (7EC)	4.00	LAA	9	0	99	0	99	175.6	
9A FRONTIER 6.0L (EC)	1.36	LAA	9	2	99	0	99	174.0	
10A FRONTIER 6.0L (EC)	2.72	LAA	9	2	99	0	99	160.1	
11A AXIOM	0.94	LAA	9	0	98	0	99	163.8	
12A AXIOM	1.88	LAA	9	0	98	0	99	155.0	
13A DUAL II MAGNUM B FRONTIER 6.0L (EC)	0.78 0.68	LAA LAA	9 9	0	99	0	99	155.4	
14A DUAL II MAGNUM B HARNESS (7EC)	0.78 1.00	LAA LAA	9 9	0	99	0	99	169.9	
15A HAND WEDED	0.00	NA	0	0	99	0	99	167.6	
16A UNTREATED CHECK	0.00	NA	0	0	0	0	0	149.6	
				LSD (0.05) STANDARD DEVIATION	2.2 1.4	1.4 23.9	0.0 0.0	1.0 23.9	29.7 18.0

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE VS. POSTEMERGENCE GRASS WEED CONTROL  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-05-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	62	75	84	85	½F
% REL. HUMIDITY	27	58	50	58	
WIND DIRECTION	SOUTHWEST	NORTHEAST	SOUTHWEST	NORTHWEST	
WIND SPEED	10.0	6.0	3.0	7.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	CLODDY	FRIABLE	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP *** CORN, DENT DK592 05-02-96	HGH/00 ****/****	HGH/11 1.00/2.00	HGH/12 2.00/3.00	HGH/14 5.00/7.00	IN
*** PEST *** VELVETLEAF	HGH/00 ****/****	HGH/10 0.25/0.50	HGH/11 1.00/1.00	HGH/13 0.50/3.00	IN
PIGWEEED, REDROOT	HGH/00 ****/****	HGH/08 0.00/0.00	HGH/11 0.25/0.50	HGH/13 0.50/3.00	IN
FOXTAIL, GIANT	HGH/00 ****/****	HGH/11 1.00/1.50	HGH/12 1.00/2.00	HGH/13 2.00/6.00	IN

## \* TIMING CODES

09 = PRE  
 10 = VEPOST  
 11 = EPOST  
 12 = POST

## \* STAGE CODE

00 = DRY SEED (DORMANT)  
 08 = SHOOT DEVELOPMENT  
 10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	SETFA	ABUTH	AMARE	ZEAMD	SETFA
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
				07-11-96	07-11-96	07-11-96	07-11-96	07-23-96	07-23-96
1A DUAL II (7.8EC)	2.19	LAA	9	0	97	88	99	0	95
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
2A BASIS (75WG)	0.016	LAA	10	0	99	92	99	0	93
B ECOC	1.00	PMV	10						
C FERTILIZER - 28%UAN	2.5	PMV	10						
D ECULTIVATION-14DAT	0.00	NA	0						
3A BASIS (75WG)	0.016	LAA	10	0	98	88	99	0	90
B ATRAZINE 90DF (WG)	0.75	LAA	10						
C ECOC	1.00	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
E ECULTIVATION-14DAT	0.00	NA	0						
4A BASIS (75WG)	0.016	LAA	10	0	96	92	99	0	88
B BANVEL (4SL)	0.063	LAA	10						
C ECOC	1.00	PMV	10						
D FERTILIZER - 28%UAN	2.5	PMV	10						
E ECULTIVATION-14DAT	0.00	NA	0						
5A EDPX-79406	0.023	LAA	11	0	98	96	99	0	93
B ATRAZINE 90DF (WG)	0.75	LAA	11						
C ECOC	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
6A ACCENT (75WG)	0.031	LAA	12	0	82	68	85	0	88
B BUCTRIL (2EC)	0.25	LAA	12						
C REACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
7A EHAND WEDED	0.00	NA	0	0	99	99	99	0	99
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
		LSD (0.05)		0.0	3.3	5.1	3.1	0.0	5.9
		STANDARD DEVIATION		0.0	32.1	30.8	32.4	0.0	30.9

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	AMARE
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96
1A DUAL II (7.8EC)	2.19	LAA	9	87	99
B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12		
C FERTILIZER - 28%JAN	2.5	PMV	12		
2A BASIS (75WG)	0.016	LAA	10	87	98
B ECOC	1.00	PMV	10		
C FERTILIZER - 28%JAN	2.5	PMV	10		
DECULTIVATION-14DAT	0.00	NA	0		
3A BASIS (75WG)	0.016	LAA	10	85	99
B ATRAZINE 90DF (WG)	0.75	LAA	10		
C ECOC	1.00	PMV	10		
D FERTILIZER - 28%JAN	2.5	PMV	10		
E ECULTIVATION-14DAT	0.00	NA	0		
4A BASIS (75WG)	0.016	LAA	10	85	95
B BANVEL (4SL)	0.063	LAA	10		
C ECOC	1.00	PMV	10		
D FERTILIZER - 28%JAN	2.5	PMV	10		
E ECULTIVATION-14DAT	0.00	NA	0		
5A EDPX-79406	0.023	LAA	11	95	99
B ATRAZINE 90DF (WG)	0.75	LAA	11		
C ECOC	1.00	PMV	11		
D FERTILIZER - 28%JAN	2.5	PMV	11		
6A ACCENT (75WG)	0.031	LAA	12	65	98
B BUCTRIL (2EC)	0.25	LAA	12		
C ACTIVATE PLUS	0.25	PMV	12		
D FERTILIZER - 28%JAN	2.5	PMV	12		
7A EHAND WEDED	0.00	NA	0	99	99
8A UNTREATED CHECK	0.00	NA	0	0	0
				LSD (0.05)	3.6
				STANDARD DEVIATION	32.5

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN POAST COMPATIBLE CORN APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-05-96	06-14-96	06-20-96	07-01-96	MDY
AIR TEMPERATURE	63	75	86	84	90	1/2 F
% REL. HUMIDITY	27	38	47	58	28	
WIND DIRECTION	SOUTHWEST	NORTHEAST	SOUTHWEST	NORTHWEST	NORTH	
WIND SPEED	10.0	6.0	3.0	7.0	10.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP *** CORN, DENT DK592 05-02-96	HGH/NA ****/****	HGH/11 2.00/3.00	HGH/12 2.00/4.00	HGH/14 4.00/6.00	HGH/16 6.00/14.0	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/10 0.50/1.00	HGH/11 1.00/2.00	HGH/14 2.00/6.00	HGH/16 2.00/8.00	IN
PIGWEEED, REDROOT	HGH/NA ****/****	HGH/10 0.50/1.00	HGH/11 1.00/2.00	HGH/13 1.00/3.00	HGH/18 2.00/8.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/10 0.50/1.00	HGH/12 1.00/2.00	HGH/15 2.00/4.00	HGH/20 3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/11 1.00/2.00	HGH/12 1.00/2.00	HGH/14 2.00/6.00	HGH/16 2.00/10.0	IN

\* TIMING CODES

09 = PRE  
 10 = VEPOST  
 11 = EPOST  
 12 = POST  
 13 = LPOST

\* STAGE CODE

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 20 = SIDE SHOOT / TILLER DEVELOPMENT  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	AMARE	CHEAL	ZEAMD
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96
1A EXTRAZINE II DF (90WG)	4.5	LAA	9	2	96	95	99	99	0
2A BICEP II (6SC)	4.05	LAA	9	0	99	90	99	99	0
3AESURPASS 100	3.43	LAA	9	3	96	82	99	99	0
4AEGUARDSMAN	3.13	LAA	9	5	99	88	99	99	2
5A DUAL II (7.8EC)	2.4	LAA	9	0	99	99	99	99	0
B MARKSMAN (3.2SC)	1.4	LAA	11						
6A SURPASS (6.4EC)	2.00	LAA	9	2	99	98	99	99	3
B MARKSMAN (3.2SC)	1.4	LAA	11						
7AEFRONTIER 6.0L (EC)	1.41	LAA	9	2	99	99	99	99	0
B MARKSMAN (3.2SC)	1.4	LAA	11						
8A DUAL II (7.8EC)	2.4	LAA	9	0	99	99	99	99	0
BEBROADSTRIKE PLUS	0.26	LAA	9						
9A HARNESS (7EC)	2.00	LAA	9	5	96	98	99	99	0
BEBROADSTRIKE PLUS	0.26	LAA	9						
10AEBROADSTRIKE PLUS	0.26	LAA	9	0	93	99	99	99	0
B POAST (1.5EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
11AEBROADSTRIKE PLUS	0.26	LAA	9	0	93	97	99	99	0
B ACCENT (75WG)	0.031	LAA	12						
C ECOC	1.00	PMV	12						
12AEPERMIT	0.031	LAA	12	3	87	80	88	96	0
B CLARITY (4SL)	0.125	LAA	12						
C POAST (1.5EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
13AEPERMIT	0.031	LAA	12	2	87	78	95	90	0
B CLARITY (4SL)	0.125	LAA	12						
C ACCENT (75WG)	0.031	LAA	12						
D ECOC	1.00	PMV	12						
14A MARKSMAN (3.2SC)	1.4	LAA	11	0	96	99	99	99	0
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
15A MARKSMAN (3.2SC)	1.4	LAA	11	0	95	98	99	99	0
B ACCENT (75WG)	0.031	LAA	11						
C ECOC	1.00	PMV	11						
16A EXTRAZINE II DF (90WG)	4.5	LAA	9	2	99	88	99	99	0
B POAST (1.5EC)	0.188	LAA	12						
C ECOC	1.00	PMV	12						
17A EXTRAZINE II DF (90WG)	4.5	LAA	9	0	95	93	98	99	0
B ACCENT (75WG)	0.031	LAA	12						
C ECOC	1.00	PMV	12						
18AEBROADSTRIKE PLUS	0.26	LAA	9	3	97	99	99	99	0
B POAST (1.5EC)	0.188	LAA	11						
C ECOC	1.00	PMV	11						
D POAST (1.5EC)	0.188	LAA	13						
E ECOC	1.00	PMV	13						
19AEBROADSTRIKE PLUS	0.26	LAA	9	0	96	97	99	99	0
B POAST (1.5EC)	0.094	LAA	10						
C FRONTIER 6.0L (EC)	0.94	LAA	10						
D ECOC	1.00	PMV	10						
20AEBROADSTRIKE PLUS	0.26	LAA	9	2	96	99	99	99	0
B ACCENT (75WG)	0.016	LAA	10						
C FRONTIER 6.0L (EC)	0.94	LAA	10						
D ECOC	1.00	PMV	10						
21A POAST (1.5EC)	0.094	LAA	10	2	96	91	99	99	0
B FRONTIER 6.0L (EC)	0.94	LAA	10						
C CLARITY (4SL)	0.5	LAA	10						
D ECOC	1.00	PMV	10						

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SETFA	ABUTH	AMARE	CHEAL	ZEAMD	
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96	
22A ACCENT (75WG)	0.031	LAA	10	3	96	92	99	99	0	
BEFRONTIER 6.0L (EC)	0.94	LAA	10							
C CLARITY (4SL)	0.5	LAA	10							
DECOC	1.00	PMV	10							
23A EHAND WEDED	0.00	NA	0	0	99	99	99	99	0	
24A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	3.4	4.0	7.7	3.7	3.6	1.3
				STANDARD DEVIATION	2.4	19.6	20.1	19.9	19.9	1.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	AMARE	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A EXTRAZINE 11 DF (90WG)	4.5	LAA	9	93	92	99	99
2A BICEP 11 (6SC)	4.05	LAA	9	93	87	99	99
3A ESURPASS 100	3.43	LAA	9	92	73	99	99
4A EGUARDSMAN	3.13	LAA	9	95	82	90	99
5A DUAL 11 (7.8EC)	2.4	LAA	9	99	99	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11				
6A SURPASS (6.4EC)	2.00	LAA	9	95	92	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11				
7A FRONTIER 6.0L (EC)	1.41	LAA	9	95	95	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11				
8A DUAL 11 (7.8EC)	2.4	LAA	9	96	99	99	99
B EBROADSTRIKE PLUS	0.26	LAA	9				
9A HARNESS (7EC)	2.00	LAA	9	93	98	99	99
B EBROADSTRIKE PLUS	0.26	LAA	9				
10A EBROADSTRIKE PLUS	0.26	LAA	9	93	98	99	99
B POAST (1.5EC)	0.188	LAA	12				
C ECOC	1.00	PMV	12				
11A EBROADSTRIKE PLUS	0.26	LAA	9	90	95	99	99
B ACCENT (75WG)	0.031	LAA	12				
C ECOC	1.00	PMV	12				
12A PERMIT	0.031	LAA	12	88	80	99	98
B CLARITY (4SL)	0.125	LAA	12				
C POAST (1.5EC)	0.188	LAA	12				
D ECOC	1.00	PMV	12				
13A PERMIT	0.031	LAA	12	85	80	99	99
B CLARITY (4SL)	0.125	LAA	12				
C ACCENT (75WG)	0.031	LAA	12				
D ECOC	1.00	PMV	12				
14A MARKSMAN (3.2SC)	1.4	LAA	11	96	98	99	99
B POAST (1.5EC)	0.188	LAA	11				
C ECOC	1.00	PMV	11				
15A MARKSMAN (3.2SC)	1.4	LAA	11	88	95	99	99
B ACCENT (75WG)	0.031	LAA	11				
C ECOC	1.00	PMV	11				
16A EXTRAZINE 11 DF (90WG)	4.5	LAA	9	95	85	99	99
B POAST (1.5EC)	0.188	LAA	12				
C ECOC	1.00	PMV	12				
17A EXTRAZINE 11 DF (90WG)	4.5	LAA	9	88	90	99	99
B ACCENT (75WG)	0.031	LAA	12				
C ECOC	1.00	PMV	12				
18A EBROADSTRIKE PLUS	0.26	LAA	9	98	99	98	99
B POAST (1.5EC)	0.188	LAA	11				
C ECOC	1.00	PMV	11				
D POAST (1.5EC)	0.188	LAA	13				
E ECOC	1.00	PMV	13				
19A EBROADSTRIKE PLUS	0.26	LAA	9	93	98	99	99
B POAST (1.5EC)	0.094	LAA	10				
C FRONTIER 6.0L (EC)	0.94	LAA	10				
D ECOC	1.00	PMV	10				
20A EBROADSTRIKE PLUS	0.26	LAA	9	88	98	99	99
B ACCENT (75WG)	0.016	LAA	10				
C FRONTIER 6.0L (EC)	0.94	LAA	10				
D ECOC	1.00	PMV	10				
21A POAST (1.5EC)	0.094	LAA	10	93	85	93	99
B FRONTIER 6.0L (EC)	0.94	LAA	10				
C CLARITY (4SL)	0.5	LAA	10				
D ECOC	1.00	PMV	10				



TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	AMARE	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
22A ACCENT (75WG)	0.031	LAA	10	90	90	99	99
BEFRONTIER 6.0L (EC)	0.94	LAA	10				
C CLARITY (4SL)	0.5	LAA	10				
DECOC	1.00	PMV	10				
23A £HAND WEDED	0.00	NA	0	99	99	99	99
24A UNTREATED CHECK	0.00	NA	0	0	0	0	0
		LSD (0.05)		7.4	9.7	4.1	0.8
		STANDARD DEVIATION		19.3	20.2	19.9	19.8

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	62	87	84	1/2 F
% REL.HUMIDITY	27	45	58	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTHWEST	
WIND SPEED	10.0	3.0	7.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT DK592 05-02-96	HGH/NA ****/****	HGH/12 2.00/3.00	HGH/14 4.00/6.00	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/12 1.00/2.00	HGH/14 2.00/4.00	IN
PIGWEEED, REDROOT	HGH/NA ****/****	HGH/12 1.00/1.00	HGH/15 1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/14 1.00/1.00	HGH/17 2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/12 1.00/2.00	HGH/14 2.00/6.00	IN

\* TIMING CODES  
 09 = PRE  
 11 = EPOST  
 12 = POST

\* STAGE CODE  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE



TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	AMARE	CHEAL	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
1A£BROADSTRIKE PLUS	0.26	LAA	9	93	96	99	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
2A CLARITY (4SL)	0.5	LAA	12	85	70	98	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
3A MARKSMAN (3.2SC)	1.4	LAA	12	90	96	99	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
4A BUCTRIL GEL (4EC)	0.25	LAA	12	88	50	60	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
5A LADDOK S-12 (5SC)	1.04	LAA	12	90	87	99	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
6A£NAF-73	0.21	LAA	12	85	90	86	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
7A£PERMIT	0.031	LAA	12	87	80	96	99	
B CLARITY (4SL)	0.125	LAA	12					
C POAST (1.5EC)	0.188	LAA	12					
D£COC	1.00	PMV	12					
8A£EXCEED	0.036	LAA	12	48	82	99	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
9A ATRAZINE 90DF (WG)	1.00	LAA	12	75	92	80	99	
B RESOURCE (0.86EC)	0.027	LAA	12					
C POAST (1.5EC)	0.188	LAA	12					
D£COC	1.00	PMV	12					
10A BUCTRIL GEL (4EC)	0.25	LAA	12	80	47	99	98	
B ACCENT (75WG)	0.031	LAA	12					
C£ACTIVATE PLUS	0.25	PMV	12					
11A MARKSMAN (3.2SC)	1.4	LAA	11	85	93	98	99	
B POAST (1.5EC)	0.188	LAA	12					
C£COC	1.00	PMV	12					
12A MARKSMAN (3.2SC)	1.4	LAA	11	88	99	99	99	
B ACCENT (75WG)	0.031	LAA	12					
C£COC	1.00	PMV	12					
13A£HAND WEDED	0.00	NA	0	99	99	99	99	
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
				LSD (0.05)	12.8	10.6	18.0	1.0
				STANDARD DEVIATION	25.2	27.4	27.9	25.5

£ = SUPPLEMENTAL CHEMICAL

## EVALUATION OF FALL APPLIED COMMAND IN NO-TILL APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 4.6  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	01	04	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	11-20-95	04-10-96	06-25-96	MDY
AIR TEMPERATURE	48	57	71	1/2 F
% REL. HUMIDITY	40	25	51	
WIND DIRECTION	NORTHWEST	WEST	WEST	
WIND SPEED	12.5	15.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/NA	HGH/11	
PIONEER 9305	****/****	****/****	3.00/4.00	IN
05-22-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/2.00	IN
RAGWEED, GIANT	HGH/NA	HGH/NA	HGH/11	
	****/****	****/****	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/3.00	IN
DANDELION, COMMO	HGH/NA	HGH/NA	HGH/15	
05-22-96	****/****	****/****	2.00/3.00	IN

## \* TIMING CODES

01 = FALL  
 04 = EPP30 DBP  
 11 = EPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRT COMPOUND NUM TESTED	DOSAGE			TAROF	SETFA	CHEAL	GLXMA	SETFA	ABUTH	
	RATE	UNIT	TM	CON % 05-20-96	CON % 05-20-96	CON % 05-20-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	
1A COMMAND 4EC	1.00	LAA	1	98	48	98	0	47	47	
2A COMMAND 4EC	1.00	LAA	1	98	48	99	0	53	68	
BE2,4-D LVE	0.5	LAA	1							
CECOC	1.00	PMV	1							
3A COMMAND 4EC	1.00	LAA	1	99	58	99	0	87	98	
B PURSUIT (2SL)	0.031	LAA	11							
CEACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.00	PMV	11							
4A COMMAND 4EC	1.00	LAA	1	96	53	99	0	87	98	
BE2,4-D LVE	0.25	LAA	1							
CECOC	1.00	PMV	1							
D PURSUIT (2SL)	0.031	LAA	11							
EACTIVATE PLUS	0.25	PMV	11							
F FERTILIZER - 28%UAN	2.00	PMV	11							
5A DUAL II (7.8EC)	2.5	LAA	1	99	40	93	0	47	67	
6A DUAL II (7.8EC)	2.5	LAA	1	94	40	95	2	93	98	
BE2,4-D LVE	0.5	LAA	1							
CECOC	1.00	PMV	1							
D PURSUIT (2SL)	0.031	LAA	11							
EACTIVATE PLUS	0.25	PMV	11							
F FERTILIZER - 28%UAN	2.00	PMV	11							
7A BE2,4-D LVE	1.00	LAA	1	98	85	99	5	98	99	
BE CECOC	1.00	PMV	1							
C ROUNDUP (3SL)	0.38	LAA	4							
D PROWL 3.3EC	1.25	LAA	4							
EACTIVATE PLUS	0.5	PMV	4							
F PURSUIT (2SL)	0.063	LAA	11							
GESUNIT II	0.75	PMV	11							
H FERTILIZER - 28%UAN	2.00	PMV	11							
8A BANVEL (4SL)	0.5	LAA	1	99	83	99	7	97	99	
BE CECOC	1.00	PMV	1							
C ROUNDUP (3SL)	0.38	LAA	4							
D PROWL 3.3EC	1.25	LAA	4							
EACTIVATE PLUS	0.5	PMV	4							
F PURSUIT (2SL)	0.063	LAA	11							
GESUNIT II	0.75	PMV	11							
H FERTILIZER - 28%UAN	2.00	PMV	11							
9A ROUNDUP (3SL)	0.38	LAA	4	99	78	99	3	96	98	
BE2,4-D LVE	0.5	LAA	4							
C PROWL 3.3EC	1.25	LAA	4							
DEACTIVATE PLUS	0.25	PMV	4							
E PURSUIT (2SL)	0.063	LAA	11							
FESUNIT II	0.75	PMV	11							
G FERTILIZER - 28%UAN	2.00	PMV	11							
10A COMMAND 4EC	1.00	LAA	4	99	85	99	0	75	83	
11A COMMAND 4EC	1.00	LAA	4	98	85	99	0	73	75	
BE2,4-D LVE	0.5	LAA	4							
CECOC	1.00	PMV	4							
12A COMMAND 4EC	1.00	LAA	4	98	90	99	2	96	99	
B PURSUIT (2SL)	0.031	LAA	11							
CEACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.00	PMV	11							
13A COMMAND 4EC	1.00	LAA	4	99	85	99	2	98	99	
BE2,4-D LVE	0.5	LAA	4							
CECOC	1.00	PMV	4							
D PURSUIT (2SL)	0.031	LAA	11							
EACTIVATE PLUS	0.25	PMV	11							
F FERTILIZER - 28%UAN	2.00	PMV	11							
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	4.9	13.7	5.4	3.3	6.6	6.9
				STANDARD DEVIATION	25.4	26.2	25.5	2.7	27.9	27.7

TRT COMPOUND NUM TESTED	DOSAGE			AMBTR	CHEAL	POLPY	GLXMA	SETFA	AMBTR	
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
1A COMMAND 4EC	1.00	LAA	1	60	68	83	0	47	63	
2A COMMAND 4EC	1.00	LAA	1	79	67	86	0	47	68	
BE2,4-D LVE	0.5	LAA	1							
CECOC	1.00	PMV	1							
3A COMMAND 4EC	1.00	LAA	1	98	96	99	3	80	82	
B PURSUIT (2SL)	0.031	LAA	11							
CEACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.00	PMV	11							
4A COMMAND 4EC	1.00	LAA	1	95	96	98	0	80	94	
BE2,4-D LVE	0.25	LAA	1							
CECOC	1.00	PMV	1							
D PURSUIT (2SL)	0.031	LAA	11							
EACTIVATE PLUS	0.25	PMV	11							
F FERTILIZER - 28%UAN	2.00	PMV	11							
5A DUAL II (7.8EC)	2.5	LAA	1	43	73	99	0	68	60	
6A DUAL II (7.8EC)	2.5	LAA	1	98	95	99	0	83	90	
BE2,4-D LVE	0.5	LAA	1							
CECOC	1.00	PMV	1							
D PURSUIT (2SL)	0.031	LAA	11							
EACTIVATE PLUS	0.25	PMV	11							
F FERTILIZER - 28%UAN	2.00	PMV	11							
7AE2,4-D LVE	1.00	LAA	1	98	99	99	5	92	98	
BECOC	1.00	PMV	1							
C ROUNDUP (3SL)	0.38	LAA	4							
D PROWL 3.3EC	1.25	LAA	4							
EACTIVATE PLUS	0.5	PMV	4							
F PURSUIT (2SL)	0.063	LAA	11							
GESUNIT II	0.75	PMV	11							
H FERTILIZER - 28%UAN	2.00	PMV	11							
8A BANVEL (4SL)	0.5	LAA	1	98	99	98	8	92	83	
BECOC	1.00	PMV	1							
C ROUNDUP (3SL)	0.38	LAA	4							
D PROWL 3.3EC	1.25	LAA	4							
EACTIVATE PLUS	0.5	PMV	4							
F PURSUIT (2SL)	0.063	LAA	11							
GESUNIT II	0.75	PMV	11							
H FERTILIZER - 28%UAN	2.00	PMV	11							
9A ROUNDUP (3SL)	0.38	LAA	4	99	96	99	5	95	98	
BE2,4-D LVE	0.5	LAA	4							
C PROWL 3.3EC	1.25	LAA	4							
DEACTIVATE PLUS	0.25	PMV	4							
E PURSUIT (2SL)	0.063	LAA	11							
FESUNIT II	0.75	PMV	11							
G FERTILIZER - 28%UAN	2.00	PMV	11							
10A COMMAND 4EC	1.00	LAA	4	72	68	99	0	68	68	
11A COMMAND 4EC	1.00	LAA	4	86	72	70	0	70	95	
BE2,4-D LVE	0.5	LAA	4							
CECOC	1.00	PMV	4							
12A COMMAND 4EC	1.00	LAA	4	96	99	99	0	93	96	
B PURSUIT (2SL)	0.031	LAA	11							
CEACTIVATE PLUS	0.25	PMV	11							
D FERTILIZER - 28%UAN	2.00	PMV	11							
13A COMMAND 4EC	1.00	LAA	4	99	99	99	0	91	98	
BE2,4-D LVE	0.5	LAA	4							
CECOC	1.00	PMV	4							
D PURSUIT (2SL)	0.031	LAA	11							
EACTIVATE PLUS	0.25	PMV	11							
F FERTILIZER - 28%UAN	2.00	PMV	11							
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSL (0.05)	23.5	7.1	20.5	3.4	8.1	7.7
				STANDARD DEVIATION	30.2	26.1	27.5	3.2	25.5	25.7

TRT COMPOUND NUM TESTED	DOSAGE			ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
	RATE	UNIT	TM			
1A COMMAND 4EC	1.00	LAA	1	62	62	73
2A COMMAND 4EC	1.00	LAA	1	65	60	80
BE2,4-D LVE	0.5	LAA	1			
CECOC	1.00	PMV	1			
3A COMMAND 4EC	1.00	LAA	1	88	77	95
B PURSUIT (2SL)	0.031	LAA	11			
CEACTIVATE PLUS	0.25	PMV	11			
D FERTILIZER - 28%UAN	2.00	PMV	11			
4A COMMAND 4EC	1.00	LAA	1	78	82	88
BE2,4-D LVE	0.25	LAA	1			
CECOC	1.00	PMV	1			
D PURSUIT (2SL)	0.031	LAA	11			
EACTIVATE PLUS	0.25	PMV	11			
F FERTILIZER - 28%UAN	2.00	PMV	11			
5A DUAL II (7.8EC)	2.5	LAA	1	67	65	95
6A DUAL II (7.8EC)	2.5	LAA	1	95	82	98
BE2,4-D LVE	0.5	LAA	1			
CECOC	1.00	PMV	1			
D PURSUIT (2SL)	0.031	LAA	11			
EACTIVATE PLUS	0.25	PMV	11			
F FERTILIZER - 28%UAN	2.00	PMV	11			
7AE2,4-D LVE	1.00	LAA	1	98	92	91
BECOC	1.00	PMV	1			
C ROUNDUP (3SL)	0.38	LAA	4			
D PROWL 3.3EC	1.25	LAA	4			
EACTIVATE PLUS	0.5	PMV	4			
F PURSUIT (2SL)	0.063	LAA	11			
GESUNIT II	0.75	PMV	11			
H FERTILIZER - 28%UAN	2.00	PMV	11			
8A BANVEL (4SL)	0.5	LAA	1	92	90	94
BECOC	1.00	PMV	1			
C ROUNDUP (3SL)	0.38	LAA	4			
D PROWL 3.3EC	1.25	LAA	4			
EACTIVATE PLUS	0.5	PMV	4			
F PURSUIT (2SL)	0.063	LAA	11			
GESUNIT II	0.75	PMV	11			
H FERTILIZER - 28%UAN	2.00	PMV	11			
9A ROUNDUP (3SL)	0.38	LAA	4	92	90	99
BE2,4-D LVE	0.5	LAA	4			
C PROWL 3.3EC	1.25	LAA	4			
DEACTIVATE PLUS	0.25	PMV	4			
E PURSUIT (2SL)	0.063	LAA	11			
FESUNIT II	0.75	PMV	11			
G FERTILIZER - 28%UAN	2.00	PMV	11			
10A COMMAND 4EC	1.00	LAA	4	75	67	93
11A COMMAND 4EC	1.00	LAA	4	75	72	78
BE2,4-D LVE	0.5	LAA	4			
CECOC	1.00	PMV	4			
12A COMMAND 4EC	1.00	LAA	4	87	85	99
B PURSUIT (2SL)	0.031	LAA	11			
CEACTIVATE PLUS	0.25	PMV	11			
D FERTILIZER - 28%UAN	2.00	PMV	11			
13A COMMAND 4EC	1.00	LAA	4	95	95	94
BE2,4-D LVE	0.5	LAA	4			
CECOC	1.00	PMV	4			
D PURSUIT (2SL)	0.031	LAA	11			
EACTIVATE PLUS	0.25	PMV	11			
F FERTILIZER - 28%UAN	2.00	PMV	11			
14A UNTREATED CHECK	0.00	NA	0	0	0	0
				LSD (0.05)		
				9.9	7.5	11.4
				STANDARD DEVIATION	24.7	23.5
						25.1

£ = SUPPLEMENTAL CHEMICAL



PAGE #297 WEED CONTROL SYS. IN NO-TILL SOYS. WITH SOIL APPLIED HERBICIDES APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 4.6  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	04	05	06	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-10-96	04-24-96	05-21-96	06-25-96	06-28-96	MDY
AIR TEMPERATURE	57	68	84	71	95	1/2 F
% REL.HUMIDITY	25	32	47	51	32	
WIND DIRECTION	WEST	SOUTHEAST	SOUTHWEST	WEST	SOUTHWEST	
WIND SPEED	15.0	10.0	10.0	3.0	10.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	CLODDY	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	40.00	40.00	40.00	36.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP ***						
SOYBEAN	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/12	
PIONEER 9305	****/****	****/****	****/****	3.00/4.00	3.00/5.00	IN
05-22-96						
*** PEST ***						
VELVETLEAF	HGH/NA	HGH/NA	HGH/NA	HGH/11	HGH/12	
	****/****	****/****	****/****	1.00/2.00	1.00/3.00	IN
PIGWEEED, REDROOT	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/13	
	****/****	****/****	****/****	1.00/1.00	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/14	
	****/****	****/****	****/****	1.00/1.50	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	****/****	2.00/6.00	2.00/7.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/13	
	****/****	****/****	****/****	1.00/4.00	1.00/5.00	IN

* TIMING CODES	* STAGE CODE
04 = EPP30 DBP	11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
05 = EPP15 DBP	12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
06 = EPP07 DBP	13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
11 = EPOST	14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
12 = POST	15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
	NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
	RATE	UNIT	TM	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-23-96	CON % 07-23-96
1A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	72	96	99	0	57
2A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	10	78	98	99	2	70
B GALAXY (3.67SL)	0.92	LAA	12						
C ECOC	1.00	PMV	12						
3A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	82	98	99	0	73
B CANOPY (75WG)	0.141	LAA	4						
4A FIRST RATE	0.039	LAA	4	0	75	95	95	2	62
B DUAL II (7.8EC)	2.00	LAA	4						
5A AUTHORITY	0.375	LAA	4	0	70	83	99	5	43
B SENCOR DF (75WG)	0.23	LAA	4						
C DUAL II (7.8EC)	2.00	LAA	4						
6A COMMAND 3ME	0.75	LAA	5	0	68	90	99	0	47
B AUTHORITY	0.375	LAA	5						
7A AUTHORITY	0.313	LAA	5	0	68	96	99	3	88
B SENCOR DF (75WG)	0.188	LAA	5						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
8A AUTHORITY	0.375	LAA	5	0	72	83	99	0	90
B SENCOR DF (75WG)	0.23	LAA	5						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
9A AUTHORITY	0.313	LAA	5	0	75	88	99	0	68
B SENCOR DF (75WG)	0.188	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
10A AUTHORITY	0.375	LAA	5	0	73	96	99	2	65
B SENCOR DF (75WG)	0.23	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
11A AUTHORITY	0.2	LAA	5	0	85	98	99	2	80
B EF6025	0.04	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
12A AUTHORITY	0.26	LAA	5	0	78	96	99	0	80
B EF6025	0.052	LAA	5						
C DUAL II (7.8EC)	2.00	LAA	5						
13A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
14A FIRST RATE	0.039	LAA	5	0	78	98	96	0	68
B DUAL II (7.8EC)	2.00	LAA	5						
15A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	0	70	98	98	0	50
16A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	15	82	98	98	2	78
B GALAXY (3.67SL)	0.92	LAA	12						
C ECOC	1.00	PMV	12						
17A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	0	85	96	99	0	87
B CANOPY (75WG)	0.141	LAA	6						
18A FIRST RATE	0.039	LAA	6	0	80	96	95	0	77
B DUAL II (7.8EC)	2.00	LAA	6						
19A COMMAND 3ME	0.75	LAA	6	0	85	95	99	2	85
B AUTHORITY	0.375	LAA	6						
20A AUTHORITY	0.313	LAA	6	0	78	93	99	2	96
B SENCOR DF (75WG)	0.188	LAA	6						
C POAST PLUS (1EC)	0.188	LAA	12						
D ECOC	1.00	PMV	12						
21A AUTHORITY	0.375	LAA	6	0	72	89	91	0	95
B SENCOR DF (75WG)	0.23	LAA	6						
C POAST PLUS (1EC)	0.188	PMV	12						
D ECOC	1.00	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA	
	RATE	UNIT	TM	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-23-96	CON % 07-23-96	
22AETHORITY	0.313	LAA	6	0	77	88	99	0	67	
B SENCOR DF (75WG)	0.188	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
23AETHORITY	0.375	LAA	6	0	80	90	99	0	60	
B SENCOR DF (75WG)	0.23	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
24AETHORITY	0.2	LAA	6	0	72	90	95	0	0	
B EF6025	0.04	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
25AETHORITY	0.26	LAA	6	0	90	99	99	7	92	
B EF6025	0.052	LAA	6							
C DUAL II (7.8EC)	2.00	LAA	6							
26AESTEEL CP	0.00	LAA	6	2	90	99	99	0	91	
B PURSUIT PLUS (2.9EC)	0.91	LAA	6							
C SCEPTER 70DG (WG)	0.063	LAA	6							
D PROWL 3.3EC	0.4	LAA	6							
27A PURSUIT PLUS (2.9EC)	0.91	LAA	6	0	83	99	99	0	73	
B PROWL 3.3EC	0.4	LAA	6							
28A PROWL 3.3EC	1.25	LAA	6	5	82	90	90	2	88	
B PURSUIT (2SL)	0.063	LAA	11							
C SUNIT II	0.75	PMV	11							
D FERTILIZER - 28%UAN	1.25	PMV	11							
29A PROWL 3.3EC	1.25	LAA	6	17	85	88	98	10	93	
B ERAPTOR	0.04	LAA	11							
C SUNIT II	0.75	PMV	11							
D FERTILIZER - 28%UAN	1.25	PMV	11							
30AERAPTOR	0.04	LAA	11	22	80	88	93	35	83	
B SUNIT II	0.75	PMV	11							
C FERTILIZER - 28%UAN	1.25	PMV	11							
				LSD (0.05)	1.5	9.7	9.7	6.2	4.1	14.5
				STANDARD DEVIATION	5.6	16.0	18.2	18.0	6.8	24.7

TRT COMPOUND NUM TESTED	DOSAGE			ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	AMARE CON % 07-23-96	POLPY CON % 07-23-96
	RATE	UNIT	TM				
1A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	99	98	99	98
2A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	99	99	99	99
B GALAXY (3.67SL)	0.92	LAA	12				
CECOC	1.00	PMV	12				
3A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	98	99	99	99
B CANOPY (75WG)	0.141	LAA	4				
4AEFIRST RATE	0.039	LAA	4	99	99	99	96
B DUAL II (7.8EC)	2.00	LAA	4				
5AEAUTHORITY	0.375	LAA	4	96	99	99	90
B SENCOR DF (75WG)	0.23	LAA	4				
C DUAL II (7.8EC)	2.00	LAA	4				
6AECOMMAND 3ME	0.75	LAA	5	96	99	99	96
BEAUTHORITY	0.375	LAA	5				
7AEAUTHORITY	0.313	LAA	5	96	99	99	93
B SENCOR DF (75WG)	0.188	LAA	5				
C POAST PLUS (1EC)	0.188	LAA	12				
DECOC	1.00	PMV	12				
8AEAUTHORITY	0.375	LAA	5	90	99	99	99
B SENCOR DF (75WG)	0.23	LAA	5				
C POAST PLUS (1EC)	0.188	LAA	12				
DECOC	1.00	PMV	12				
9AEAUTHORITY	0.313	LAA	5	96	99	99	99
B SENCOR DF (75WG)	0.188	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
10AEAUTHORITY	0.375	LAA	5	99	99	99	96
B SENCOR DF (75WG)	0.23	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
11AEAUTHORITY	0.2	LAA	5	99	99	99	99
BEF6025	0.04	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
12AEAUTHORITY	0.26	LAA	5	99	99	99	99
BEF6025	0.052	LAA	5				
C DUAL II (7.8EC)	2.00	LAA	5				
13A UNTREATED CHECK	0.00	NA	0	0	0	0	0
14AEFIRST RATE	0.039	LAA	5	99	98	99	99
B DUAL II (7.8EC)	2.00	LAA	5				
15A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	99	99	99	99
16A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	99	98	99	99
B GALAXY (3.67SL)	0.92	LAA	12				
CECOC	1.00	PMV	12				
17A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	99	99	99	99
B CANOPY (75WG)	0.141	LAA	6				
18AEFIRST RATE	0.039	LAA	6	98	99	99	99
B DUAL II (7.8EC)	2.00	LAA	6				
19AECOMMAND 3ME	0.75	LAA	6	98	99	99	98
BEAUTHORITY	0.375	LAA	6				
20AEAUTHORITY	0.313	LAA	6	96	99	99	93
B SENCOR DF (75WG)	0.188	LAA	6				
C POAST PLUS (1EC)	0.188	LAA	12				
DECOC	1.00	PMV	12				
21AEAUTHORITY	0.375	LAA	6	96	96	99	99
B SENCOR DF (75WG)	0.23	LAA	6				
C POAST PLUS (1EC)	0.188	PMV	12				
DECOC	1.00	PMV	12				

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL	AMARE	POLPY	
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
22AεAUTHORITY	0.313	LAA	6	98	99	99	88	
B SENCOR DF (75WG)	0.188	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
23AεAUTHORITY	0.375	LAA	6	98	99	99	93	
B SENCOR DF (75WG)	0.23	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
24AεAUTHORITY	0.2	LAA	6	0	0	0	0	
BεF6025	0.04	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
25AεAUTHORITY	0.26	LAA	6	99	99	99	99	
BεF6025	0.052	LAA	6					
C DUAL II (7.8EC)	2.00	LAA	6					
26AεSTEEL CP	0.00	LAA	6	99	99	99	99	
B PURSUIT PLUS (2.9EC)	0.91	LAA	6					
C SCEPTER 70DG (WG)	0.063	LAA	6					
D PROWL 3.3EC	0.4	LAA	6					
27A PURSUIT PLUS (2.9EC)	0.91	LAA	6	99	99	99	99	
B PROWL 3.3EC	0.4	LAA	6					
28A PROWL 3.3EC	1.25	LAA	6	99	98	99	98	
B PURSUIT (2SL)	0.063	LAA	11					
CεSUNIT II	0.75	PMV	11					
D FERTILIZER - 28%JAN	1.25	PMV	11					
29A PROWL 3.3EC	1.25	LAA	6	98	98	99	98	
BεRAPTOR	0.04	LAA	11					
CεSUNIT II	0.75	PMV	11					
D FERTILIZER - 28%JAN	1.25	PMV	11					
30AεRAPTOR	0.04	LAA	11	93	96	99	99	
BεSUNIT II	0.75	PMV	11					
C FERTILIZER - 28%JAN	1.25	PMV	11					
				LSD (0.05)	4.7	2.7	0.0	7.0
				STANDARD DEVIATION	24.5	24.6	24.7	24.6

ε = SUPPLEMENTAL CHEMICAL

BURNDOWN TREATMENTS FOR NO-TILL SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 4.6  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	06	
TYPE	LIQMXSPR	
APPLICATION DATE	05-21-96	MDY
AIR TEMPERATURE	85	½F
% REL. HUMIDITY	47	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** PEST ***		
LAMBSQUARTERS, C	HGH/14	
	1.00/2.00	IN
SMARTWEED, PENNS	HGH/13	
	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	
	0.50/1.00	IN
DANDELION, COMMO	HGH/15	
	4.00/10.0	IN

## \* TIMING CODES

06 = EPP07 DBP

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application Twister 0.5 lb, MSO 1.0%, and 28% UAN at 2.5% 6-20-96



TRT COMPOUND NUM TESTED	DOSAGE		TM	TAROF	POLPY	SETFA	CHEAL	POLPY
	RATE	UNIT		CON % 06-24-96	CON % 06-24-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	99	65	99	93
BE2,4-D LVE	0.5	LAA	6					
CEACTIVATE PLUS	0.125	PMV	6					
2A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	76	99	67	98	99
B SENCOR DF (75WG)	0.094	LAA	6					
CEACTIVATE PLUS	0.125	PMV	6					
3A SENCOR DF (75WG)	0.188	LAA	6	66	99	68	82	96
B GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6					
CEACTIVATE PLUS	0.25	PMV	6					
4A GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	99	88	99	99
B CANOPY (75WG)	0.094	LAA	6					
CEACTIVATE PLUS	0.125	PMV	6					
5AEROUNDUP ULTRA	0.38	LAA	6	99	99	82	99	99
BE2,4-D LVE	0.5	LAA	6					
C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
6A SENCOR DF (75WG)	0.188	LAA	6	90	99	90	99	99
BEROUNDUP ULTRA	0.38	LAA	6					
C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
7A TOUCHDOWN (6SL)	0.5	LAA	6	99	99	83	98	99
BE2,4-D LVE	0.5	LAA	6					
CEACTIVATE PLUS	0.5	PMV	6					
D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
8A TOUCHDOWN (6SL)	0.75	LAA	6	99	99	80	97	99
BE2,4-D LVE	0.5	LAA	6					
CEACTIVATE PLUS	0.5	PMV	6					
D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
9A TOUCHDOWN (6SL)	1.00	LAA	6	99	99	75	96	99
BEACTIVATE PLUS	0.5	PMV	6					
C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
10A SENCOR DF (75WG)	0.188	LAA	6	93	99	88	99	99
B TOUCHDOWN (6SL)	0.5	LAA	6					
CEACTIVATE PLUS	0.25	PMV	6					
D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
11A FUSION (2.66EC)	0.083	LAA	6	88	99	94	99	99
BE2,4-D LVE	0.5	LAA	6					
CECOC	1.00	PMV	6					
12A SENCOR DF (75WG)	0.188	LAA	6	99	99	96	99	99
B SELECT (2EC)	0.047	LAA	6					
CE2,4-D LVE	0.5	LAA	6					
DECOC	1.00	PMV	6					
E FERTILIZER - 28%UAN	1.25	PMV	6					
13A SENCOR DF (75WG)	0.141	LAA	6	99	99	83	99	99
B FUSION (2.66EC)	0.083	LAA	6					
CE2,4-D LVE	0.5	LAA	6					
DECOC	1.00	PMV	6					
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
				LSD (0.05)				
				23.4	0.0	10.7	4.6	5.5
				STANDARD DEVIATION	28.2	25.5	23.7	25.5

£ = SUPPLEMENTAL CHEMICAL



VELVETLEAF CONTROL IN SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.0  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-27-96	MDY
AIR TEMPERATURE	90	½F
% REL. HUMIDITY	34	
WIND DIRECTION	NORTHWEST	
WIND SPEED	6.5	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9281	****/****	IN
05-06-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	
	4.00/5.00	IN
SMARTWEED, PENNS	HGH/17	
	4.00/5.00	IN

## \* TIMING CODES

12 = POST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	ABUTH	POLPY	CHEAL	GLXMA	ABUTH
	RATE	UNIT	TM	CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-23-96	CON % 07-23-96
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A GALAXY (3.67SL)	0.92	LAA	12	8	75	88	85	0	58
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
3A GALAXY (3.67SL)	0.92	LAA	12	17	85	95	85	0	77
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
4A GALAXY (3.67SL)	0.92	LAA	12	15	83	87	83	0	77
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D RESOURCE (0.86EC)	0.0135	LAA	12						
5A GALAXY (3.67SL)	0.92	LAA	12	15	90	83	85	0	75
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D RESOURCE (0.86EC)	0.027	LAA	12						
6A GALAXY (3.67SL)	0.92	LAA	12	18	77	88	90	0	75
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D BASAGRAN (4SL)	0.25	LAA	12						
7A GALAXY (3.67SL)	0.92	LAA	12	17	73	88	91	0	68
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D PINNACLE (25WG)	0.002	LAA	12						
8A STORM (4SL)	0.75	LAA	12	13	65	90	86	0	53
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
9A STORM (4SL)	0.75	LAA	12	20	82	93	81	2	73
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	LAA	12						
10A STORM (4SL)	0.75	LAA	12	17	70	83	83	0	68
B POAST (1.5EC)	0.3	LAA	12						
C RESOURCE (0.86EC)	0.0135	LAA	12						
D ECOC	0.625	PMV	12						
11A STORM (4SL)	0.75	LAA	12	17	78	88	88	0	80
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D RESOURCE (0.86EC)	0.027	LAA	12						
12A STORM (4SL)	0.75	LAA	12	13	73	95	88	0	53
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D BASAGRAN (4SL)	0.25	LAA	12						
13A STORM (4SL)	0.75	LAA	12	13	63	90	83	0	55
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	0.625	PMV	12						
D PINNACLE (25WG)	0.002	LAA	12						
14A RESOURCE (0.86EC)	0.027	LAA	12	8	70	0	68	0	70
B POAST (1.5EC)	0.3	LAA	12						
C ECOC	1.00	PMV	12						
LSD (0.05)				4.6	10.6	7.5	15.7	1.3	15.2
STANDARD DEVIATION				5.7	21.6	31.6	24.8	0.8	21.1

TRT COMPOUND NUM TESTED	DOSAGE			POLPY	CHEAL
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96
1A UNTREATED CHECK	0.00	NA	0	0	0
2A GALAXY (3.67SL)	0.92	LAA	12	77	88
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
3A GALAXY (3.67SL)	0.92	LAA	12	90	87
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	PMV	12		
4A GALAXY (3.67SL)	0.92	LAA	12	77	80
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D RESOURCE (0.86EC)	0.0135	LAA	12		
5A GALAXY (3.67SL)	0.92	LAA	12	72	88
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D RESOURCE (0.86EC)	0.027	LAA	12		
6A GALAXY (3.67SL)	0.92	LAA	12	80	88
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D BASAGRAN (4SL)	0.25	LAA	12		
7A GALAXY (3.67SL)	0.92	LAA	12	70	92
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D PINNACLE (25WG)	0.002	LAA	12		
8A STORM (4SL)	0.75	LAA	12	83	87
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
9A STORM (4SL)	0.75	LAA	12	88	87
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D FERTILIZER - 28%UAN	1.25	LAA	12		
10A STORM (4SL)	0.75	LAA	12	65	83
B POAST (1.5EC)	0.3	LAA	12		
C RESOURCE (0.86EC)	0.0135	LAA	12		
DÉCOC	0.625	PMV	12		
11A STORM (4SL)	0.75	LAA	12	78	92
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D RESOURCE (0.86EC)	0.027	LAA	12		
12A STORM (4SL)	0.75	LAA	12	83	88
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D BASAGRAN (4SL)	0.25	LAA	12		
13A STORM (4SL)	0.75	LAA	12	85	88
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	0.625	PMV	12		
D PINNACLE (25WG)	0.002	LAA	12		
14A RESOURCE (0.86EC)	0.027	LAA	12	0	90
B POAST (1.5EC)	0.3	LAA	12		
CÉCOC	1.00	PMV	12		
		LSD (0.05)		8.6	10.1
		STANDARD DEVIATION		28.8	23.6

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.0  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	07	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-20-96	MDY
AIR TEMPERATURE	55	86	½F
% REL.HUMIDITY	48	70	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	12.5	7.5	M/H
SKY CONDITION	CLOUDY	CLOUDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/	STG/	MINMAXSZ
*** CROP ***			
SOYBEAN	HGH/NA	HGH/12	
PIONEER 9281	****/****	2.00/3.00	IN
05-06-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	
	****/****	1.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/13	
	****/****	1.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/14	
	****/****	4.00/6.00	IN

\* TIMING CODES

07 = PPI  
 12 = POST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	POLPY	GLXMA	
	RATE	UNIT	TH	CON % 06-13-96	CON % 06-13-96	CON % 06-13-96	CON % 06-13-96	CON % 06-13-96	CON % 07-11-96	
1A COMMENCE EC (5.25EC) B CANOPY (75WG)	1.25 0.28	LAA LAA	7 7	3	85	92	99	99	3	
2A COMMENCE EC (5.25EC) B PURSUIT (2SL) C ESUNIT II D FERTILIZER - 28%UAN	1.25 0.031 0.75 1.25	LAA LAA PMV PMV	7 12 12 12	2	85	68	91	77	5	
3A COMMENCE EC (5.25EC) B AUTHORITY C SENCOR DF (75WG)	1.25 0.313 0.188	LAA LAA LAA	7 7 7	2	90	82	99	95	0	
4A TREFLAN MTF (4EC) B AUTHORITY C SENCOR DF (75WG)	0.75 0.313 0.188	LAA LAA LAA	7 7 7	3	82	73	99	91	2	
5A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	0	87	83	99	98	5	
6A BROADSTRIKE + TREFLAN (3.65EC) B GALAXY (3.67SL) C ECOC	1.03 0.92 1.00	LAA LAA PMV	7 12 12	5	80	87	99	99	7	
7A BROADSTRIKE + TREFLAN (3.65EC) B CANOPY (75WG)	1.03 0.141	LAA LAA	7 7	3	80	87	99	99	5	
8A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	0	85	85	99	96	2	
9A BROADSTRIKE + DUAL (7.67SC) B GALAXY (3.67SL) C ECOC	2.4 0.92 1.00	LAA LAA PMV	7 12 12	3	88	88	99	99	7	
10A BROADSTRIKE + DUAL (7.67SC) B CANOPY (75WG)	2.4 0.141	LAA LAA	7 7	3	93	90	99	99	5	
11A FIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	0	80	88	99	99	5	
12A FIRST RATE B TREFLAN MTF (4EC)	0.039 1.00	LAA LAA	7 7	3	87	92	99	99	7	
13A TREFLAN MTF (4EC) B CANOPY (75WG)	1.00 0.28	LAA LAA	7 7	2	88	85	99	99	5	
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
15A PURSUIT PLUS EC (2.9EC) B PROWL 3.3EC	0.94 0.41	LAA LAA	7 7	5	87	87	99	99	5	
16A STEEL CP B PURSUIT PLUS EC (2.9EC) C SCEPTER 70DG (WG) D PROWL 3.3EC	0.00 0.91 0.062 0.41	LAA LAA LAA LAA	7 7 7 7	13	90	93	99	99	5	
				LSD (0.05) STANDARD DEVIATION	7.2 4.9	10.3 21.7	8.2 22.0	4.2 24.0	7.3 24.3	6.0 3.6

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	ABUTH	CHEAL	POLPY	
	RATE	UNIT	TM	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	
1A COMMENCE EC (5.25EC)	1.25	LAA	7	72	80	99	99	
B CANOPY (75WG)	0.28	LAA	7					
2A COMMENCE EC (5.25EC)	1.25	LAA	7	96	83	88	95	
B PURSUIT (2SL)	0.031	LAA	12					
C SUNIT II	0.75	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
3A COMMENCE EC (5.25EC)	1.25	LAA	7	60	63	99	83	
B AUTHORITY	0.313	LAA	7					
C SENCOR DF (75WG)	0.188	LAA	7					
4A TREFLAN MTF (4EC)	0.75	LAA	7	55	62	99	83	
B AUTHORITY	0.313	LAA	7					
C SENCOR DF (75WG)	0.188	LAA	7					
5A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	67	93	99	98	
6A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	75	99	99	99	
B GALAXY (3.67SL)	0.92	LAA	12					
C ECOC	1.00	PMV	12					
7A BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	77	91	99	96	
B CANOPY (75WG)	0.141	LAA	7					
8A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	75	83	99	99	
9A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	87	98	99	99	
B GALAXY (3.67SL)	0.92	LAA	12					
C ECOC	1.00	PMV	12					
10A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	83	95	99	99	
B CANOPY (75WG)	0.141	LAA	7					
11A FIRST RATE	0.031	LAA	7	73	77	99	96	
B TREFLAN MTF (4EC)	1.00	LAA	7					
12A FIRST RATE	0.039	LAA	7	82	85	99	98	
B TREFLAN MTF (4EC)	1.00	LAA	7					
13A TREFLAN MTF (4EC)	1.00	LAA	7	80	77	99	99	
B CANOPY (75WG)	0.28	LAA	7					
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
15A PURSUIT PLUS EC (2.9EC)	0.94	LAA	7	87	95	99	99	
B PROWL 3.3EC	0.41	LAA	7					
16A STEEL CP	0.00	LAA	7	85	92	99	99	
B PURSUIT PLUS EC (2.9EC)	0.91	LAA	7					
C SCEPTER 70DG (WG)	0.062	LAA	7					
D PROWL 3.3EC	0.41	LAA	7					
				LSD (0.05)				
				STANDARD DEVIATION	10.5	11.4	3.2	7.5
					21.8	23.9	24.0	24.1

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.0  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
<b>TIMINGS</b>	09	11	12	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	05-06-96	06-14-96	06-20-96	MDY
<b>AIR TEMPERATURE</b>	49	70	86	1/2 F
<b>% REL.HUMIDITY</b>	51	73	69	
<b>WIND DIRECTION</b>	SOUTHWEST	SOUTHWEST	NORTHWEST	
<b>WIND SPEED</b>	7.5	3.0	7.5	M/H
<b>SKY CONDITION</b>	OVERCAST	CLOUDY	CLEAR	
<b>LEAF MOISTURE</b>	DRY	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	5	5	5	
<b>NOZZLE SPACING</b>	18.000	18.000	18.000	IN
<b>SWATH WIDTH</b>	7.5	7.5	7.5	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	
<b>PRESSURE</b>	40.00	40.00	40.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	
<b>DENSITY /STAGE / MIN MAX SIZE</b>				
<b>*** CROP ***</b>				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
ASGROW A2704STS	****/****	2.00/3.00	3.00/4.00	IN
05-06-96				
<b>*** PEST ***</b>				
VELVETLEAF	HGH/NA	HGH/12	HGH/12	
	****/****	0.50/1.00	1.00/2.00	IN
RAGWEED, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/4.00	4.00/5.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/11	HGH/13	
	****/****	0.50/1.00	1.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/13	HGH/16	
	****/****	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	1.00/3.00	2.00/6.00	IN

\* TIMING CODES

09 = PRE  
 11 = EPOST  
 12 = POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	GLXMA	AMBTR	ABUTH	CHEAL	
	RATE	UNIT		CON % 06-13-96	CON % 06-13-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	
1A AUTHORITY B EF6025	0.16 0.032	LAA LAA	9 9	0	65	0	82	78	99	
2A AUTHORITY B EF6025	0.2 0.04	LAA LAA	9 9	0	73	0	85	78	99	
3A AUTHORITY B EF6025	0.23 0.046	LAA LAA	9 9	0	75	0	83	85	99	
4A CANOPY (75WG)	0.28	LAA	9	0	65	0	82	83	98	
5A PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	8	92	2	80	87	99	
6A AUTHORITY B EF6025 C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	2	92	0	73	80	99	
7A AUTHORITY B EF6025 C SYNCHRONY STS 25DG (WG) DECOC	0.16 0.04 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	2	70	5	73	87	99	
8A PURSUIT DG (70WG) B PINNACLE (25WG) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	0	0	8	83	82	96	
9A PURSUIT DG (70WG) B BLAZER (2SL) C SUNIT II D FERTILIZER - 28%UAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	0	0	13	93	88	90	
10A PROWL 3.3EC B PURSUIT DG (70WG) C SUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	5	70	5	85	82	98	
11A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
12A HAND WEDED	0.00	NA	0	0	99	0	99	99	99	
				LSD (0.05)	2.5	10.4	3.6	8.0	6.4	4.0
				STANDARD DEVIATION	2.8	35.6	4.5	24.4	24.2	27.2



TRT COMPOUND NUM TESTED	DOSAGE			POLPY	GLXMA	ABUTH	POLPY	AMBTR	CHEAL
	RATE	UNIT	TM	CON % 06-24-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96
1A£AUTHORITY BEF6025	0.16 0.032	LAA LAA	9 9	98	0	73	99	82	99
2A£AUTHORITY BEF6025	0.2 0.04	LAA LAA	9 9	99	0	83	99	75	99
3A£AUTHORITY BEF6025	0.23 0.046	LAA LAA	9 9	99	0	90	98	85	99
4A CANOPY (75WG)	0.28	LAA	9	99	0	88	99	87	99
5A PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	96	0	93	99	78	99
6A£AUTHORITY BEF6025 C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	98	0	83	98	75	99
7A£AUTHORITY BEF6025 C SYNCHRONY STS 25DG (WG) DECOC	0.16 0.04 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	99	0	92	99	83	99
8A PURSUIT DG (70WG) B PINNACLE (25WG) C£ACTIVATE PLUS D FERTILIZER - 28£UAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	90	0	88	99	75	99
9A PURSUIT DG (70WG) B BLAZER (2SL) C£SUNIT II D FERTILIZER - 28£UAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	99	0	92	99	93	88
10A PROWL 3.3EC B PURSUIT DG (70WG) C£SUNIT II D FERTILIZER - 28£UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	90	0	88	98	88	98
11A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
12A£HAND WEEDED	0.00	NA	0	99	0	99	99	99	99
LSD (0.05)				6.4	0.0	6.1	2.0	12.9	3.9
STANDARD DEVIATION				27.2	0.0	25.3	27.3	25.0	27.3

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE WEED CONTROL IN SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.1  
 %OM: 4.6  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 29 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	52	69	82	½F
% REL. HUMIDITY	50	73	65	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	10.0	3.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9281	****/****	3.00/4.00	4.00/5.00	IN
05-06-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/13	
	****/****	0.50/1.00	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	
	****/****	0.50/1.00	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	IN

## \* TIMING CODES

09 = PRE  
 11 = EPOST  
 12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA	
	RATE	UNIT		CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 06-24-96	CON % 07-11-96	CON % 07-11-96	
1AECOMMAND 3ME B AUTHORITY	0.75 0.375	LAA LAA	9 9	0	95	95	99	0	85	
2A AUTHORITY B SENCOR DF (75WG) C POAST PLUS (1EC) DECOC	0.313 0.188 0.188 1.00	LAA LAA LAA PMV	9 9 12 12	3	93	83	99	0	95	
3A AUTHORITY B SENCOR DF (75WG) C POAST PLUS (1EC) DECOC	0.375 0.225 0.188 1.00	LAA LAA LAA PMV	9 9 12 12	2	95	88	96	0	95	
4A AUTHORITY B SENCOR DF (75WG) C DUAL II (7.8EC)	0.313 0.188 2.00	LAA LAA LAA	9 9 9	0	95	85	99	0	90	
5A AUTHORITY B SENCOR DF (75WG) C DUAL II (7.8EC)	0.375 0.225 2.00	LAA LAA LAA	9 9 9	2	95	93	99	0	93	
6A AUTHORITY B EF6025 C DUAL II (7.8EC)	0.2 0.04 2.00	LAA LAA LAA	9 9 9	0	93	88	99	0	87	
7A AUTHORITY B EF6025 C DUAL II (7.8EC)	0.26 0.052 2.00	LAA LAA LAA	9 9 9	0	95	87	99	0	88	
8A AUTHORITY B EF6025 C COMMAND 3ME	0.2 0.04 0.75	LAA LAA LAA	9 9 9	3	95	92	99	0	85	
9A FIRST RATE B DUAL II (7.8EC)	0.031 2.00	LAA LAA	9 9	0	95	85	98	0	87	
10A FIRST RATE B DUAL II (7.8EC)	0.039 2.00	LAA LAA	9 9	2	95	88	96	0	92	
11A BROADSTRIKE+DUAL	2.4	LAA	9	0	93	82	94	0	82	
12A BROADSTRIKE+DUAL B CANOPY (75WG)	2.4 0.141	LAA LAA	9 9	0	95	87	98	0	92	
13A BROADSTRIKE+DUAL B GALAXY (3.67SL) C ECOC	2.4 0.92 1.00	LAA LAA PMV	9 12 12	13	96	95	99	3	90	
14A PURSUIT PLUS (2.9EC) B PROWL 3.3EC	0.94 0.41	LAA LAA	9 9	7	95	88	99	3	90	
15A CANOPY (75WG) B DUAL II (7.8EC)	0.28 2.00	LAA LAA	9 9	2	95	87	99	0	88	
16A AUTHORITY B AXIOM	0.375 0.81	LAA LAA	9 9	5	99	93	99	2	96	
17A CANOPY (75WG) B AXIOM	0.28 0.81	LAA LAA	9 9	5	96	87	99	0	95	
18A AUTHORITY B EF6025 C AXIOM	0.2 0.04 0.81	LAA LAA LAA	9 9 9	5	98	92	99	0	92	
19A PROWL 3.3EC B PURSUIT (2SL) C SUNIT II D FERTILIZER - 28%UAN	1.25 0.063 1.00 1.25	LAA LAA PMV PMV	9 11 11 11	8	95	85	96	2	88	
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	3.2	2.9	5.8	4.6	2.1	7.0
				STANDARD DEVIATION	3.8	20.8	19.8	21.6	1.5	20.3

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL
	RATE	UNIT		CON % 07-11-96	CON % 07-11-96
1A£COMMAND 3ME	0.75	LAA	9	98	99
B£AUTHORITY	0.375	LAA	9		
2A£AUTHORITY	0.313	LAA	9	78	99
B SENCOR DF (75WG)	0.188	LAA	9		
C POAST PLUS (1EC)	0.188	LAA	12		
D£COC	1.00	PMV	12		
3A£AUTHORITY	0.375	LAA	9	80	99
B SENCOR DF (75WG)	0.225	LAA	9		
C POAST PLUS (1EC)	0.188	LAA	12		
D£COC	1.00	PMV	12		
4A£AUTHORITY	0.313	LAA	9	77	99
B SENCOR DF (75WG)	0.188	LAA	9		
C DUAL II (7.8EC)	2.00	LAA	9		
5A£AUTHORITY	0.375	LAA	9	87	99
B SENCOR DF (75WG)	0.225	LAA	9		
C DUAL II (7.8EC)	2.00	LAA	9		
6A£AUTHORITY	0.2	LAA	9	86	99
B£F6025	0.04	LAA	9		
C DUAL II (7.8EC)	2.00	LAA	9		
7A£AUTHORITY	0.26	LAA	9	88	99
B£F6025	0.052	LAA	9		
C DUAL II (7.8EC)	2.00	LAA	9		
8A£AUTHORITY	0.2	LAA	9	93	99
B£F6025	0.04	LAA	9		
C£COMMAND 3ME	0.75	LAA	9		
9A£FIRST RATE	0.031	LAA	9	83	96
B DUAL II (7.8EC)	2.00	LAA	9		
10A£FIRST RATE	0.039	LAA	9	93	93
B DUAL II (7.8EC)	2.00	LAA	9		
11A£BROADSTRIKE+DUAL	2.4	LAA	9	78	93
12A£BROADSTRIKE+DUAL	2.4	LAA	9	93	99
B CANOPY (75WG)	0.141	LAA	9		
13A£BROADSTRIKE+DUAL	2.4	LAA	9	99	99
B GALAXY (3.67SL)	0.92	LAA	12		
C£COC	1.00	PMV	12		
14A PURSUIT PLUS (2.9EC)	0.94	LAA	9	99	99
B PROWL 3.3EC	0.41	LAA	9		
15A CANOPY (75WG)	0.28	LAA	9	87	99
B DUAL II (7.8EC)	2.00	LAA	9		
16A£AUTHORITY	0.375	LAA	9	88	99
B£AXIOM	0.81	LAA	9		
17A CANOPY (75WG)	0.28	LAA	9	85	99
B£AXIOM	0.81	LAA	9		
18A£AUTHORITY	0.2	LAA	9	95	99
B£F6025	0.04	LAA	9		
C£AXIOM	0.81	LAA	9		
19A PROWL 3.3EC	1.25	LAA	9	93	94
B PURSUIT (2SL)	0.063	LAA	11		
C£SUNIT II	1.00	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		
20A UNTREATED CHECK	0.00	NA	0	0	0
				LSD (0.05)	9.5
				STANDARD DEVIATION	21.0
					6.8
					21.7

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.1  
 %OM: 4.6  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	05-06-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	54	50	85	90	½F
% REL.HUMIDITY	47	50	69	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTHWEST	NORTHWEST	
WIND SPEED	12.5	7.5	7.5	8.0	M/H
SKY CONDITION	CLOUDY	CLOUDY	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/12	HGH/13	
PIONEER 9281	****/****	****/****	****/****	****/****	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/12	HGH/14	
	****/****	****/****	0.50/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	2.00/4.00	1.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/13	HGH/15	
	****/****	****/****	2.00/6.00	3.00/8.00	IN

\* TIMING CODES

07 = PPI  
 09 = PRE  
 12 = POST  
 13 = LPOST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96	CON % 07-23-96
1A FIRST RATE	0.031	LAA	7	0	83	99	98	0	77
B TREFLAN EC (4EC)	1.00	LAA	7						
2A FIRST RATE	0.031	LAA	7	0	92	95	96	0	90
B SELECT (2EC)	0.094	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
3A FIRST RATE	0.031	LAA	7	0	87	95	96	0	77
B BLAZER (2SL)	0.25	LAA	12						
C SELECT (2EC)	0.094	PMV	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
4A TREFLAN MTF (4EC)	1.00	LAA	7	3	73	92	90	0	62
B FIRST RATE	0.016	LAA	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
5A TREFLAN MTF (4EC)	1.00	LAA	7	10	82	95	93	2	73
B FIRST RATE	0.016	LAA	12						
C BLAZER (2SL)	0.25	LAA	12						
D ACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
6A DUAL II (7.8EC)	2.00	LAA	9	0	83	93	95	0	82
B FIRST RATE	0.031	LAA	9						
7A DUAL II (7.8EC)	2.00	LAA	9	0	90	95	99	0	92
B SENCOR DF (75WG)	0.188	LAA	9						
C FIRST RATE	0.031	LAA	9						
8A DUAL II (7.8EC)	2.00	LAA	9	0	93	96	99	0	90
B SENCOR DF (75WG)	0.375	LAA	9						
C FIRST RATE	0.031	LAA	9						
9A FIRST RATE	0.031	LAA	9	0	93	96	98	0	85
B SELECT (2EC)	0.094	LAA	12						
C ECOC	1.00	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
10A FIRST RATE	0.031	LAA	9	25	95	99	98	7	77
B SELECT (2EC)	0.094	LAA	12						
C BLAZER (2SL)	0.25	LAA	12						
D ECOC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
11A DUAL II (7.8EC)	2.00	LAA	9	2	90	83	45	0	85
B FIRST RATE	0.016	LAA	12						
C ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
12A DUAL II (7.8EC)	2.00	LAA	9	2	88	95	96	0	88
B SENCOR DF (75WG)	0.188	LAA	9						
C FIRST RATE	0.016	LAA	12						
D ACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A DUAL II (7.8EC)	2.00	LAA	9	2	87	95	94	0	85
B SENCOR DF (75WG)	0.375	LAA	9						
C FIRST RATE	0.016	LAA	12						
D ACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
14A DUAL II (7.8EC)	2.00	LAA	9	12	93	93	93	0	90
B FIRST RATE	0.016	LAA	12						
C BLAZER (2SL)	0.25	LAA	12						
D ACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
15A FIRST RATE	0.016	LAA	12	7	43	88	33	0	92
B ACTIVATE PLUS	0.25	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D SELECT (2EC)	0.094	LAA	13						
F ECOC	1.00	PMV	13						
G FERTILIZER - 28%UAN	2.5	PMV	13						

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA	
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96	CON % 07-23-96	
16AEFIRST RATE	0.016	LAA	12	13	77	92	20	0	87	
B SELECT (2EC)	0.094	LAA	12							
C ECOC	1.00	PMV	12							
D FERTILIZER - 28%JAN	2.5	PMV	12							
17AEFIRST RATE	0.016	LAA	12	27	90	95	80	3	93	
B BLAZER (2SL)	0.25	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%JAN	2.5	PMV	12							
E SELECT (2EC)	0.094	LAA	13							
G ECOC	1.00	PMV	13							
H FERTILIZER - 28%JAN	2.5	PMV	13							
18AEFIRST RATE	0.016	LAA	12	25	96	95	78	3	78	
B BLAZER (2SL)	0.25	LAA	12							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	1.00	PMV	12							
E FERTILIZER - 28%JAN	2.5	PMV	12							
19A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
20A HAND WEEDED	0.00	NA	0	0	99	99	99	0	99	
				LSD (0.05)	5.8	7.5	4.2	17.7	2.1	9.5
				STANDARD DEVIATION	9.5	22.4	20.9	30.4	2.0	20.7

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96
1A EFIRST RATE	0.031	LAA	7	98	98
B TREFLAN EC (4EC)	1.00	LAA	7		
2A EFIRST RATE	0.031	LAA	7	93	91
B SELECT (2EC)	0.094	LAA	12		
C ECOC	1.00	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
3A EFIRST RATE	0.031	LAA	7	93	96
B BLAZER (2SL)	0.25	LAA	12		
C SELECT (2EC)	0.094	PMV	12		
D ECOC	1.00	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
4A TREFLAN MTF (4EC)	1.00	LAA	7	87	71
B EFIRST RATE	0.016	LAA	12		
C DEACTIVATE PLUS	0.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
5A TREFLAN MTF (4EC)	1.00	LAA	7	94	90
B EFIRST RATE	0.016	LAA	12		
C BLAZER (2SL)	0.25	LAA	12		
D DEACTIVATE PLUS	0.25	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
6A DUAL II (7.8EC)	2.00	LAA	9	90	93
B EFIRST RATE	0.031	LAA	9		
7A DUAL II (7.8EC)	2.00	LAA	9	88	99
B SENCOR DF (75WG)	0.188	LAA	9		
C EFIRST RATE	0.031	LAA	9		
8A DUAL II (7.8EC)	2.00	LAA	9	99	96
B SENCOR DF (75WG)	0.375	LAA	9		
C EFIRST RATE	0.031	LAA	9		
9A EFIRST RATE	0.031	LAA	9	96	91
B SELECT (2EC)	0.094	LAA	12		
C ECOC	1.00	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
10A EFIRST RATE	0.031	LAA	9	96	90
B SELECT (2EC)	0.094	LAA	12		
C BLAZER (2SL)	0.25	LAA	12		
D ECOC	1.00	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
11A DUAL II (7.8EC)	2.00	LAA	9	87	18
B EFIRST RATE	0.016	LAA	12		
C DEACTIVATE PLUS	0.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
12A DUAL II (7.8EC)	2.00	LAA	9	96	96
B SENCOR DF (75WG)	0.188	LAA	9		
C EFIRST RATE	0.016	LAA	12		
D DEACTIVATE PLUS	0.25	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
13A DUAL II (7.8EC)	2.00	LAA	9	95	93
B SENCOR DF (75WG)	0.375	LAA	9		
C EFIRST RATE	0.016	LAA	12		
D DEACTIVATE PLUS	0.25	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
14A DUAL II (7.8EC)	2.00	LAA	9	96	82
B EFIRST RATE	0.016	LAA	12		
C BLAZER (2SL)	0.25	LAA	12		
D DEACTIVATE PLUS	0.25	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
15A EFIRST RATE	0.016	LAA	12	93	32
B DEACTIVATE PLUS	0.25	PMV	12		
C FERTILIZER - 28%UAN	2.5	PMV	12		
D SELECT (2EC)	0.094	LAA	13		
F ECOC	1.00	PMV	13		
G FERTILIZER - 28%UAN	2.5	PMV	13		



TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96
16A€FIRST RATE	0.016	LAA	12	93	18
B SELECT (2EC)	0.094	LAA	12		
C€COC	1.00	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
17A€FIRST RATE	0.016	LAA	12	92	68
B BLAZER (2SL)	0.25	LAA	12		
C€ACTIVATE PLUS	0.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
E SELECT (2EC)	0.094	LAA	13		
G€COC	1.00	PMV	13		
H FERTILIZER - 28%UAN	2.5	PMV	13		
18A€FIRST RATE	0.016	LAA	12	96	57
B BLAZER (2SL)	0.25	LAA	12		
C SELECT (2EC)	0.094	LAA	12		
D€COC	1.00	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
19A UNTREATED CHECK	0.00	NA	0	0	0
20A€HAND WEDED	0.00	NA	0	99	99
				LSD (0.05)	
				8.9	18.7
				STANDARD DEVIATION	21.2
					32.4

€ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.1  
%OM: 4.6  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 29 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	47	85	90	1/2 F
% REL. HUMIDITY	53	70	33	
WIND DIRECTION	SOUTHWEST	NORTHWEST	NORTHWEST	
WIND SPEED	7.5	5.0	6.0	M/H
SKY CONDITION	OVERCAST	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP *** SOYBEAN RRS AG3001 05-06-96	HGH/NA ****/****	HGH/12 ****/****	HGH/13 ****/****	IN
*** PEST *** VELVETLEAF	HGH/NA ****/****	HGH/12 0.50/1.00	HGH/14 2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/14 2.00/4.00	HGH/16 2.00/6.00	IN
FOXTAIL, GIANT	HGH/NA ****/****	HGH/13 3.00/5.00	HGH/15 2.00/8.00	IN

## \* TIMING CODES

09 = PRE  
12 = POST  
13 = LPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-08-96	CON % 07-08-96
1A MICRO-TECH (4CS)	2.5	LAA	9	0	99	87	99	0	95
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
2A FRONTIER 6.0L (EC)	1.17	LAA	9	2	99	88	91	0	96
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
3A PROWL 3.3EC	1.00	LAA	9	0	99	90	99	0	96
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
4A CANOPY (75WG)	0.28	LAA	9	2	95	95	99	3	95
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
5A AUTHORITY	0.313	LAA	9	0	91	85	99	2	93
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
6A FIRST RATE	0.031	LAA	9	2	99	99	99	2	96
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
7A FRONTIER 6.0L (EC)	0.94	LAA	12	2	99	78	99	0	96
B ROUNDUP (3SL)	0.56	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
8A PURSUIT (2SL)	0.063	LAA	12	5	82	78	65	2	82
B ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%JAN	1.25	PMV	12						
9A EXPERT	0.07	LAA	12	7	52	82	75	0	12
B ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%JAN	1.25	PMV	12						
10A FIRST RATE	0.016	LAA	12	5	13	83	13	0	2
B ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%JAN	1.25	PMV	12						
11A ROUNDUP (3SL)	0.56	LAA	12	0	99	82	99	0	98
B ACTIVATOR 90	0.5	PMV	12						
12A ROUNDUP (3SL)	0.56	LAA	12	10	99	90	99	5	99
B PURSUIT (2SL)	0.063	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
D FERTILIZER - 28%JAN	1.25	PMV	12						
13A ROUNDUP (3SL)	0.56	LAA	12	15	99	88	98	0	96
B EXPERT	0.07	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
D FERTILIZER - 28%JAN	1.25	PMV	12						
14A ROUNDUP (3SL)	0.56	LAA	12	7	99	90	99	0	99
B FIRST RATE	0.016	LAA	12						
C ACTIVATOR 90	0.5	PMV	12						
D FERTILIZER - 28%JAN	1.25	PMV	12						
15A PURSUIT (2SL)	0.063	LAA	12	10	95	82	83	3	98
B ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%JAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E ACTIVATOR 90	0.5	PMV	13						
16A EXPERT	0.07	LAA	12	3	87	80	78	3	96
B ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%JAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E ACTIVATOR 90	0.5	PMV	13						
17A FIRST RATE	0.016	LAA	12	7	90	80	82	0	99
B ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%JAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E ACTIVATOR 90	0.5	PMV	13						

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-08-96	CON % 07-08-96
18A ROUNDUP (3SL)	0.56	LAA	12	5	99	90	98	0	99
BEACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
DEACTIVATOR 90	0.5	PMV	13						
19A HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
		LSD (0.05)		4.0	5.6	7.5	9.0	2.5	4.7
		STANDARD DEVIATION		4.5	28.3	20.2	27.9	2.0	33.0

TRT COMPOUND NUM TESTED	DOSAGE			TM	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
	RATE	UNIT								
1A MICRO-TECH (4CS)	2.5	LAA	9		82	99	0	96	85	96
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
2A FRONTIER 6.0L (EC)	1.17	LAA	9		83	90	0	96	73	86
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
3A PROWL 3.3EC	1.00	LAA	9		85	95	0	95	83	98
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
4A CANOPY (75WG)	0.28	LAA	9		93	99	0	92	93	99
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
5A AUTHORITY	0.313	LAA	9		87	99	2	90	85	98
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
6A FIRST RATE	0.031	LAA	9		95	99	0	93	96	99
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
7A FRONTIER 6.0L (EC)	0.94	LAA	12		73	86	0	93	73	87
B ROUNDUP (3SL)	0.56	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
8A PURSUIT (2SL)	0.063	LAA	12		80	53	2	68	77	33
B ACTIVATOR 90	0.5	PMV	12							
C FERTILIZER - 28%UAN	1.25	PMV	12							
9A EXPERT	0.07	LAA	12		77	50	0	17	83	43
B ACTIVATOR 90	0.5	PMV	12							
C FERTILIZER - 28%UAN	1.25	PMV	12							
10A FIRST RATE	0.016	LAA	12		80	13	0	3	83	10
B ACTIVATOR 90	0.5	PMV	12							
C FERTILIZER - 28%UAN	1.25	PMV	12							
11A ROUNDUP (3SL)	0.56	LAA	12		77	93	0	95	77	95
B ACTIVATOR 90	0.5	PMV	12							
12A ROUNDUP (3SL)	0.56	LAA	12		88	99	2	98	92	98
B PURSUIT (2SL)	0.063	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
13A ROUNDUP (3SL)	0.56	LAA	12		85	95	0	96	87	92
B EXPERT	0.07	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
14A ROUNDUP (3SL)	0.56	LAA	12		83	98	0	95	83	95
B FIRST RATE	0.016	LAA	12							
C ACTIVATOR 90	0.5	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
15A PURSUIT (2SL)	0.063	LAA	12		82	80	2	96	85	83
B ACTIVATOR 90	0.5	PMV	12							
C FERTILIZER - 28%UAN	1.25	PMV	12							
D ROUNDUP (3SL)	0.56	LAA	13							
E ACTIVATOR 90	0.5	PMV	13							
16A EXPERT	0.07	LAA	12		82	73	2	96	90	77
B ACTIVATOR 90	0.5	PMV	12							
C FERTILIZER - 28%UAN	1.25	PMV	12							
D ROUNDUP (3SL)	0.56	LAA	13							
E ACTIVATOR 90	0.5	PMV	13							
17A FIRST RATE	0.016	LAA	12		82	75	0	96	85	82
B ACTIVATOR 90	0.5	PMV	12							
C FERTILIZER - 28%UAN	1.25	PMV	12							
D ROUNDUP (3SL)	0.56	LAA	13							
E ACTIVATOR 90	0.5	PMV	13							

TRT COMPOUND NUM TESTED	DOSAGE			ABUTH	CHEAL	GLXMA	SETFA	ABUTH	CHEAL	
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
18A ROUNDUP (3SL)	0.56	LAA	12	88	98	0	99	90	99	
BEACTIVATOR 90	0.5	PMV	12							
C ROUNDUP (3SL)	0.56	LAA	13							
DEACTIVATOR 90	0.5	PMV	13							
19AEHAND WEDED	0.00	NA	0	99	99	0	99	99	99	
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	6.6	14.6	2.4	7.7	8.4	10.9
				STANDARD DEVIATION	19.7	29.3	1.4	32.1	20.2	30.6

TRT COMPOUND NUM TESTED	DOSAGE		TM	YIELD BU/A 10-09-96
	RATE	UNIT		
1A MICRO-TECH (4CS)	2.5	LAA	9	56.9
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
2A FRONTIER 6.0L (EC)	1.17	LAA	9	51.5
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
3A PROWL 3.3EC	1.00	LAA	9	54.2
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
4A CANOPY (75WG)	0.28	LAA	9	51.2
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
5A AUTHORITY	0.313	LAA	9	52.1
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
6A FIRST RATE	0.031	LAA	9	52.7
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
7A FRONTIER 6.0L (EC)	0.94	LAA	12	50.9
B ROUNDUP (3SL)	0.56	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
8A PURSUIT (2SL)	0.063	LAA	12	48.7
B ACTIVATOR 90	0.5	PMV	12	
C FERTILIZER - 28%UAN	1.25	PMV	12	
9A EXPERT	0.07	LAA	12	19.6
B ACTIVATOR 90	0.5	PMV	12	
C FERTILIZER - 28%UAN	1.25	PMV	12	
10A FIRST RATE	0.016	LAA	12	19.8
B ACTIVATOR 90	0.5	PMV	12	
C FERTILIZER - 28%UAN	1.25	PMV	12	
11A ROUNDUP (3SL)	0.56	LAA	12	54.4
B ACTIVATOR 90	0.5	PMV	12	
12A ROUNDUP (3SL)	0.56	LAA	12	54.5
B PURSUIT (2SL)	0.063	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
D FERTILIZER - 28%UAN	1.25	PMV	12	
13A ROUNDUP (3SL)	0.56	LAA	12	52.3
B EXPERT	0.07	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
D FERTILIZER - 28%UAN	1.25	PMV	12	
14A ROUNDUP (3SL)	0.56	LAA	12	58.5
B FIRST RATE	0.016	LAA	12	
C ACTIVATOR 90	0.5	PMV	12	
D FERTILIZER - 28%UAN	1.25	PMV	12	
15A PURSUIT (2SL)	0.063	LAA	12	56.2
B ACTIVATOR 90	0.5	PMV	12	
C FERTILIZER - 28%UAN	1.25	PMV	12	
D ROUNDUP (3SL)	0.56	LAA	13	
E ACTIVATOR 90	0.5	PMV	13	
16A EXPERT	0.07	LAA	12	54.6
B ACTIVATOR 90	0.5	PMV	12	
C FERTILIZER - 28%UAN	1.25	PMV	12	
D ROUNDUP (3SL)	0.56	LAA	13	
E ACTIVATOR 90	0.5	PMV	13	
17A FIRST RATE	0.016	LAA	12	52.3
B ACTIVATOR 90	0.5	PMV	12	
C FERTILIZER - 28%UAN	1.25	PMV	12	
D ROUNDUP (3SL)	0.56	LAA	13	
E ACTIVATOR 90	0.5	PMV	13	

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TRT COMPOUND NUM TESTED	DOSAGE			YIELD BU/A 10-09-96
	RATE	UNIT	TM	
18A ROUNDUP (3SL) BEACTIVATOR 90	0.56	LAA	12	54.8
C ROUNDUP (3SL) DEACTIVATOR 90	0.5	PMV	12	
	0.56	LAA	13	
	0.5	PMV	13	
19AEHAND WEDED	0.00	NA	0	61.1
20A UNTREATED CHECK	0.00	NA	0	34.8
		LSD (0.05)		8.5
		STANDARD DEVIATION		11.9

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£ = SUPPLEMENTAL CHEMICAL



## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.1  
%OM: 4.6  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 29 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	53	70	85	90	½F
% REL. HUMIDITY	50	73	70	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	NORTHWEST	
WIND SPEED	12.5	3.0	3.0	8.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/03	
RRS AG3001	****/****	4.00/4.00	5.00/5.00	6.00/6.00	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/12	HGH/13	HGH/16	
	****/****	1.00/3.00	2.00/6.00	3.00/8.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	HGH/15	
	****/****	0.50/0.50	0.50/1.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	2.00/6.00	IN

## \* TIMING CODES

07 = PPI  
11 = EPOST  
12 = POST  
13 = LPOST

## \* STAGE CODE

03 = SEED IMBIBITION COMPLETE (BUD SWELL ENDING)  
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA	
	RATE	UNIT		CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-23-96	CON % 07-23-96	
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	0	95	70	91	0	95	
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	0	95	77	99	0	95	
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	7	95	85	94	0	93	
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	0	98	75	90	0	97	
5A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	0	95	73	85	0	95	
6A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	10	96	75	80	5	98	
7A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	0	99	80	95	0	98	
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	3	96	86	98	2	96	
9AEFIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	3	87	83	95	0	78	
10A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	2	93	85	88	0	92	
11A PURSUIT (2SL) B PINNACLE (25WG) DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	0	78	82	95	0	78	
12A CONCERT (25WG) B ASSURE II (0.88EC) DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	5	90	75	92	2	88	
13A GALAXY (3.67SL) B POAST (1.5EC) DECOC E FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	2	94	83	53	2	85	
14AEHAND WEEDED	0.00	NA	0	0	99	99	99	0	99	
15A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	3.6	5.5	10.6	11.4	2.2	7.8
				STANDARD DEVIATION	3.4	24.1	21.9	25.4	1.7	24.2

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL	YIELD
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	BU/A 10-10-96
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	73	93	52.3
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	75	98	43.2
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	87	96	45.8
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	78	93	44.1
5A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	75	88	41.5
6A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	82	90	44.6
7A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	87	99	46.4
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	88	98	37.7
9AEFIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	83	93	40.8
10A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	85	83	40.6
11A PURSUIT (2SL) B PINNACLE (25WG) DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	82	87	41.3
12A CONCERT (25WG) B ASSURE II (0.88EC) DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	83	85	38.2
13A GALAXY (3.67SL) B POAST (1.5EC) DECOC E FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	88	47	33.1
14AEHAND WEEDED	0.00	NA	0	99	99	38.5
15A UNTREATED CHECK	0.00	NA	0	0	0	17.9
		LSD (0.05)		10.4	6.2	14.0
		STANDARD DEVIATION		22.3	25.6	9.9

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.1  
%OM: 4.6  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 29 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	53	69	85	90	½F
% REL. HUMIDITY	50	73	70	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	NORTHWEST	
WIND SPEED	12.5	3.0	3.0	8.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	5.00/5.00	6.00/6.00	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/11	HGH/12	HGH/16	
	****/****	0.50/1.00	0.50/1.00	1.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/11	HGH/12	HGH/13	
	****/****	0.50/0.50	2.00/4.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	2.00/6.00	IN

## \* TIMING CODES

07 = PPI  
11 = EPOST  
12 = POST  
13 = LPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			TM	GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA	
	RATE	UNIT			CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-23-96	CON % 07-23-96	
1A ROUNDUP (3SL) B DEACTIVATOR 90	0.38 0.5	LAA PMV	12 12		0	95	75	99	0	95	
2A ROUNDUP (3SL) B DEACTIVATOR 90	0.56 0.5	LAA PMV	12 12		0	95	78	99	0	93	
3A ROUNDUP (3SL) B DEACTIVATOR 90	0.75 0.5	LAA PMV	12 12		0	96	82	99	0	98	
4A ROUNDUP (3SL) B DEACTIVATOR 90	0.38 0.5	LAA PMV	13 13		0	99	77	96	0	95	
5A ROUNDUP (3SL) B DEACTIVATOR 90	0.56 0.5	LAA PMV	13 13		0	99	72	88	0	95	
6A ROUNDUP (3SL) B DEACTIVATOR 90	0.75 0.5	LAA PMV	13 13		0	95	73	88	0	99	
7A ROUNDUP (3SL) B DEACTIVATOR 90 C ROUNDUP (3SL) D DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13		0	98	82	98	0	99	
8A ROUNDUP (3SL) B DEACTIVATOR 90 C ROUNDUP (3SL) D DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13		5	98	88	99	2	99	
9A FIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7		2	83	92	98	0	75	
10A PROWL 3.3EC B PURSUIT (2SL) C SUNIT II D FERTILIZER - 28%JAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11		10	91	87	99	8	87	
11A PURSUIT (2SL) B PINNACLE (25WG) D DEACTIVATOR 90 E FERTILIZER - 28%JAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11		3	87	88	98	0	73	
12A CONCERT (25WG) B ASSURE II (0.88EC) D DEACTIVATOR 90 E FERTILIZER - 28%JAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12		7	95	82	96	5	95	
13A GALAXY (3.67SL) B POAST (1.5EC) D ECOC E FERTILIZER - 28%JAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12		8	93	93	85	5	92	
14A HAND WEEDED	0.00	NA	0		0	99	99	99	0	99	
15A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0	
					LSD (0.05)	2.3	6.8	7.6	6.3	1.7	5.3
					STANDARD DEVIATION	3.6	24.2	22.4	24.5	2.7	24.5

TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL	YIELD
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	BU/A 10-10-96
1A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	73	98	44.0
2A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	78	99	44.7
3A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	82	98	50.0
4A ROUNDUP (3SL) BEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	82	98	41.0
5A ROUNDUP (3SL) BEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	82	98	44.9
6A ROUNDUP (3SL) BEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	78	93	41.7
7A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	83	99	46.2
8A ROUNDUP (3SL) BEACTIVATOR 90 C ROUNDUP (3SL) DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	92	99	46.1
9A FIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	85	95	38.7
10A PROWL 3.3EC B PURSUIT (2SL) CESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	88	96	44.2
11A PURSUIT (2SL) B PINNACLE (25WG) DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	85	87	42.4
12A CONCERT (25WG) B ASSURE II (0.88EC) DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	82	95	43.0
13A GALAXY (3.67SL) B POAST (1.5EC) DECOC E FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	93	80	42.5
14A HAND WEEDED	0.00	NA	0	99	99	48.1
15A UNTREATED CHECK	0.00	NA	0	0	0	23.7
		LSD (0.05)		8.8	6.4	5.2
		STANDARD DEVIATION		22.4	24.5	6.5

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.1  
%OM: 4.6  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 29 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	06-26-96	MDY
AIR TEMPERATURE	53	69	85	90	½F
% REL. HUMIDITY	50	73	70	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	NORTHWEST	
WIND SPEED	12.5	5.0	3.0	6.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	3.00/4.00	4.00/5.00	6.00/6.00	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/11	HGH/12	HGH/16	
	****/****	0.50/1.00	0.50/1.00	1.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	HGH/15	
	****/****	0.50/0.50	2.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	3.00/5.00	IN

## \* TIMING CODES

07 = PPI  
11 = EPOST  
12 = POST  
13 = LPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	CHEAL	GLXMA	SETFA	
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-23-96	CON % 07-23-96	
1A ROUNDUP (3SL) B DEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	0	95	70	96	0	96	
2A ROUNDUP (3SL) B DEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	2	95	82	99	0	98	
3A ROUNDUP (3SL) B DEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	0	95	82	99	0	96	
4A ROUNDUP (3SL) B DEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	0	93	73	88	0	98	
5A ROUNDUP (3SL) B DEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	7	96	83	93	5	99	
6A ROUNDUP (3SL) B DEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	3	99	80	90	0	99	
7A ROUNDUP (3SL) B DEACTIVATOR 90 C ROUNDUP (3SL) D DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	2	99	78	99	2	93	
8A ROUNDUP (3SL) B DEACTIVATOR 90 C ROUNDUP (3SL) D DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	0	99	90	99	0	98	
9A FIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	0	95	85	99	0	90	
10A PROWL 3.3EC B PURSUIT (2SL) C ESUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	5	97	90	99	2	95	
11A PURSUIT (2SL) B PINNACLE (25WG) D DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	5	80	82	96	0	77	
12A CONCERT (25WG) B ASSURE II (0.88EC) D DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	10	87	80	90	3	93	
13A GALAXY (3.67SL) B POAST (1.5EC) D ECOC E FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	10	92	93	73	3	92	
14A HAND WEEDED	0.00	NA	0	0	99	99	99	0	99	
15A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	2.3	4.0	6.4	8.2	3.4	5.8
				STANDARD DEVIATION	3.7	24.1	22.3	24.8	2.3	24.3



TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	CHEAL	YIELD
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	BU/A 10-10-96
1A ROUNDUP (3SL) B DEACTIVATOR 90	0.38 0.5	LAA PMV	12 12	77	99	47.2
2A ROUNDUP (3SL) B DEACTIVATOR 90	0.56 0.5	LAA PMV	12 12	87	99	42.3
3A ROUNDUP (3SL) B DEACTIVATOR 90	0.75 0.5	LAA PMV	12 12	87	98	46.6
4A ROUNDUP (3SL) B DEACTIVATOR 90	0.38 0.5	LAA PMV	13 13	77	95	45.8
5A ROUNDUP (3SL) B DEACTIVATOR 90	0.56 0.5	LAA PMV	13 13	78	98	39.6
6A ROUNDUP (3SL) B DEACTIVATOR 90	0.75 0.5	LAA PMV	13 13	77	96	46.6
7A ROUNDUP (3SL) B DEACTIVATOR 90 C ROUNDUP (3SL) D DEACTIVATOR 90	0.38 0.5 0.38 0.5	LAA PMV LAA PMV	12 12 13 13	83	96	43.7
8A ROUNDUP (3SL) B DEACTIVATOR 90 C ROUNDUP (3SL) D DEACTIVATOR 90	0.56 0.5 0.56 0.5	LAA PMV LAA PMV	12 12 13 13	85	99	42.5
9A FIRST RATE B TREFLAN MTF (4EC)	0.031 1.00	LAA LAA	7 7	85	99	43.1
10A PROWL 3.3EC B PURSUIT (2SL) C SUNIT II D FERTILIZER - 28%UAN	1.00 0.063 1.00 2.5	LAA LAA PMV PMV	7 11 11 11	90	99	46.1
11A PURSUIT (2SL) B PINNACLE (25WG) D DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.063 0.002 0.25 2.5	LAA LAA PMV PMV	11 11 11 11	87	95	41.6
12A CONCERT (25WG) B ASSURE II (0.88EC) D DEACTIVATOR 90 E FERTILIZER - 28%UAN	0.008 0.055 0.25 2.5	LAA LAA PMV PMV	12 12 12 12	80	95	40.7
13A GALAXY (3.67SL) B POAST (1.5EC) D ECOC E FERTILIZER - 28%UAN	0.92 0.3 0.625 1.25	LAA LAA PMV PMV	12 12 12 12	95	63	40.6
14A HAND WEEDED	0.00	NA	0	99	99	39.7
15A UNTREATED CHECK	0.00	NA	0	0	0	30.1
				LSD (0.05) 9.8	9.4	6.0
				STANDARD DEVIATION 22.6	25.6	5.1

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.4  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-20-96	MDY
AIR TEMPERATURE	80	1/2 F
% REL.HUMIDITY	52	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9305	****/****	IN
05-14-96		

\* TIMING CODES

12 = POST

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 1.5 lb Dual II 5-14-96

TRT COMPOUND NUM TESTED	DOSAGE			TM	GLXMA	GLXMA	YIELD	
	RATE	UNIT			CON % 07-01-96	CON % 07-23-96	BU/A 10-04-96	
1A PINNACLE (25WG)	0.002	LAA	12		5	12	37.7	
B POAST PLUS (1EC)	0.188	LAA	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
2A BASAGRAN (4SL)	0.25	LAA	12		0	10	38.6	
B PINNACLE (25WG)	0.002	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
3A BASAGRAN (4SL)	0.38	LAA	12		0	8	40.8	
B PINNACLE (25WG)	0.002	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
4A BASAGRAN (4SL)	0.5	LAA	12		0	7	43.1	
B PINNACLE (25WG)	0.002	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
5A PINNACLE (25WG)	0.004	LAA	12		15	25	41.1	
B POAST PLUS (1EC)	0.188	LAA	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
6A UNTREATED CHECK	0.00	NA	0		0	0	30.3	
7A BASAGRAN (4SL)	0.25	LAA	12		13	30	38.0	
B PINNACLE (25WG)	0.004	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
8A BASAGRAN (4SL)	0.38	LAA	12		5	15	39.9	
B PINNACLE (25WG)	0.004	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
9A BASAGRAN (4SL)	0.5	LAA	12		3	17	38.6	
B PINNACLE (25WG)	0.004	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
10A PINNACLE (25WG)	0.008	LAA	12		28	43	35.8	
B POAST PLUS (1EC)	0.188	LAA	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
11A BASAGRAN (4SL)	0.25	LAA	12		17	35	36.0	
B PINNACLE (25WG)	0.008	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
12A BASAGRAN (4SL)	0.38	LAA	12		10	32	38.3	
B PINNACLE (25WG)	0.008	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
13A BASAGRAN (4SL)	0.5	LAA	12		7	18	40.5	
B PINNACLE (25WG)	0.008	LAA	12					
C POAST PLUS (1EC)	0.188	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
14A £HAND WEDED	0.00	NA	0		0	0	41.9	
					LSD (0.05)			
					4.4	6.2	6.6	
					STANDARD DEVIATION	8.4	13.1	4.4

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 5.4  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-27-96	MDY
AIR TEMPERATURE	69	90	½F
% REL.HUMIDITY	73	33	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	3.0	6.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/13	
PIONEER 9305	****/****	****/****	IN
05-14-96			
*** PEST ***			
CORN, DENT	HGH/12	HGH/15	
DK592	****/****	****/****	IN
05-14-96			

## \* TIMING CODES

11 = EPOST  
 12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 1.5 lb Dual II 5-14-96

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	ZEAMD	GLXMA	ZEAMD
	RATE	UNIT		CON %	CON %	CON %	CON %
				07-07-96	07-07-96	07-23-96	07-23-96
1A ASSURE II (0.88EC) BECOC	0.055 1.00	LAA PMV	12 12	0	13	0	15
2A FUSION (2.66EC) BECOC	0.167 1.00	LAA PMV	12 12	0	12	0	12
3A FUSILADE DX (2EC) BECOC	0.125 1.00	LAA PMV	12 12	0	10	0	15
4A SELECT (2EC) BECOC	0.094 1.00	LAA PMV	12 12	0	37	0	35
5A SELECT (2EC) BECOC	0.125 1.00	LAA PMV	12 12	0	47	0	43
6A SELECT (2EC) BECOC	0.188 1.00	LAA PMV	12 12	0	60	0	50
7A SELECT (2EC) BECOC C SELECT (2EC) DECOC	0.094 1.00 0.094 1.00	LAA PMV LAA PMV	12 12 13 13	0	32	0	52
8A SCEPTER (1.5SL) BECOC	0.063 1.00	LAA LAA	12 12	0	58	0	70
9A EHAND WEDED	0.00	NA	0	0	99	0	99
10A UNTREATED CHECK	0.00	NA	0	0	0	0	0
11A PURSUIT (2SL) B SCEPTER 70DG (WG) DECOC	0.063 0.063 1.00	LAA LAA PMV	11 11 11	2	87	0	83
12A ERAPTOR BECOC	0.04 1.00	LAA PMV	12 12	5	70	0	77
LSD (0.05)				1.4	8.2	0.0	9.4
STANDARD DEVIATION				1.6	30.9	0.0	30.8

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 4.6  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 33 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-28-96	MDY
AIR TEMPERATURE	95	1/2 F
% REL.HUMIDITY	32	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9305	3.00/5.00	IN
05-14-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	1.00/3.00	IN
LAMBSQUARTERS, C	HGH/14	
	1.00/2.00	IN
SMARTWEED, PENNS	HGH/15	
	2.00/7.00	IN
FOXTAIL, GIANT	HGH/14	
	1.00/5.00	IN

## \* TIMING CODES

12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	ABUTH	POLPY	CHEAL	GLXMA	
	RATE	UNIT	TM	CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-07-96	CON % 07-23-96	
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
2AETWISTER	0.416	LAA	12	10	88	99	98	99	3	
BEMETH OIL	1.00	PMV	12							
C FERTILIZER - 28%UAN	2.5	PMV	12							
3AETWISTER	0.512	LAA	12	10	90	99	93	99	7	
BEMETH OIL	1.00	PMV	12							
C FERTILIZER - 28%UAN	2.5	PMV	12							
4AEFLEXSTAR HL	0.313	LAA	12	10	88	98	95	98	7	
B FUSION (2.66EC)	0.208	LAA	12							
CEMETH OIL	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
5A REFLEX 2LC (2SL)	0.313	LAA	12	10	92	99	92	98	5	
B FUSION (2.66EC)	0.208	LAA	12							
CEMETH OIL	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
6AEFLEXSTAR HL	0.313	LAA	12	10	87	98	98	99	3	
B PINNACLE (25WG)	0.002	LAA	12							
C FUSION (2.66EC)	0.208	LAA	12							
DEMETH OIL	1.00	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
7AEFLEXSTAR HL	0.125	LAA	12	8	87	98	93	99	2	
B PURSUIT (2SL)	0.063	LAA	12							
CEMETH OIL	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
8AEFLEXSTAR HL	0.125	LAA	12	13	90	99	99	99	7	
B ERAPTOR	0.041	LAA	12							
CEMETH OIL	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
9A REFLEX 2LC (2SL)	0.125	LAA	12	12	92	99	99	99	2	
B PURSUIT (2SL)	0.063	LAA	12							
CEMETH OIL	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
10A ERAPTOR	0.041	LAA	12	20	87	96	95	99	7	
BEMETH OIL	1.00	PMV	12							
C FERTILIZER - 28%UAN	2.5	PMV	12							
11A PURSUIT (2SL)	0.063	LAA	12	7	78	90	85	93	2	
BEMETH OIL	1.00	PMV	12							
C FERTILIZER - 28%UAN	2.5	PMV	12							
12A CONCERT (25WG)	0.008	LAA	12	27	62	96	91	91	17	
B ASSURE II (0.88EC)	0.048	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
13A EXPERT	0.07	LAA	12	23	65	99	88	95	20	
B ASSURE II (0.88EC)	0.055	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
14A GALAXY (3.67SL)	0.92	LAA	12	12	83	99	98	99	5	
B POAST (1.5EC)	0.3	LAA	12							
C COC	0.625	PMV	12							
D FERTILIZER - 28%UAN	1.25	PMV	12							
				LSD (0.05)	4.0	6.6	6.9	7.2	7.3	4.4
				STANDARD DEVIATION	6.9	23.6	25.5	24.8	25.5	6.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	ABUTH	CHEAL	POLPY
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A UNTREATED CHECK	0.00	NA	0	0	0	0	0
2A£TWISTER	0.416	LAA	12	85	98	98	96
B£METH OIL	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
3A£TWISTER	0.512	LAA	12	85	98	96	94
B£METH OIL	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
4A£FLEXSTAR HL	0.313	LAA	12	78	98	98	88
B FUSION (2.66EC)	0.208	LAA	12				
C£METH OIL	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
5A REFLEX 2LC (2SL)	0.313	LAA	12	83	98	98	80
B FUSION (2.66EC)	0.208	LAA	12				
C£METH OIL	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
6A£FLEXSTAR HL	0.313	LAA	12	80	99	99	98
B PINNACLE (25WG)	0.002	LAA	12				
C FUSION (2.66EC)	0.208	LAA	12				
D£METH OIL	1.00	PMV	12				
E FERTILIZER - 28%UAN	2.5	PMV	12				
7A£FLEXSTAR HL	0.125	LAA	12	77	99	98	99
B PURSUIT (2SL)	0.063	LAA	12				
C£METH OIL	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
8A£FLEXSTAR HL	0.125	LAA	12	83	99	99	96
B£RAPTOR	0.041	LAA	12				
C£METH OIL	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
9A REFLEX 2LC (2SL)	0.125	LAA	12	78	99	94	99
B PURSUIT (2SL)	0.063	LAA	12				
C£METH OIL	1.00	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
10A£RAPTOR	0.041	LAA	12	93	99	99	91
B£METH OIL	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
11A PURSUIT (2SL)	0.063	LAA	12	87	98	93	96
B£METH OIL	1.00	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
12A CONCERT (25WG)	0.008	LAA	12	88	94	96	99
B ASSURE II (0.88EC)	0.048	LAA	12				
C£ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
13A£EXPERT	0.07	LAA	12	58	98	98	99
B ASSURE II (0.88EC)	0.055	LAA	12				
C£ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
14A GALAXY (3.67SL)	0.92	LAA	12	75	98	99	99
B POAST (1.5EC)	0.3	LAA	12				
C£COC	0.625	PMV	12				
D FERTILIZER - 28%UAN	1.25	PMV	12				
		LSD (0.05)		7.4	4.6	4.8	7.5
		STANDARD DEVIATION		22.5	25.3	25.2	25.2

£ = SUPPLEMENTAL CHEMICAL



## GIANT RAGWEED CONTROL IN SOYBEANS WITH FIRSTRATE APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 4.6  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	07	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	05-06-96	06-14-96	06-20-96	07-01-96	MDY
AIR TEMPERATURE	54	50	69	85	91	½F
% REL.HUMIDITY	47	50	73	70	29	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	SOUTHWEST	NORTHWEST	NORTH	
WIND SPEED	12.5	12.5	3.0	7.5	10.0	M/H
SKY CONDITION	CLOUDY	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	CLODDY	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE						
*** CROP ***						
SOYBEAN	HGH/NA	HGH/NA	HGH/11	HGH/12	HGH/13	
PIONEER 9281	****/****	****/****	3.00/4.00	4.00/5.00	6.00/6.00	IN
05-06-96						
*** PEST ***						
RAGWEED, GIANT	HGH/NA	HGH/NA	HGH/11	HGH/14	HGH/17	
	****/****	****/****	1.00/2.00	3.00/4.00	12.0/18.0	IN

## \* TIMING CODES

07 = PPI  
 09 = PRE  
 11 = EPOST  
 12 = POST  
 13 = LPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			CHLOR 10DAT	STUNT 10DAT	AMBTR 10DAT	GLXMA 40DAT	AMBTR 40DAT	GLXMA 60DAT
	RATE	UNIT	TM						
1AEFIRST RATE	0.031	LAA	7	0	0	78	0	65	0
2AEFIRST RATE	0.031	LAA	9	0	0	90	0	88	0
3AEFIRST RATE BEHAND WEDED	0.031 0.00	LAA NA	9 9	0	0	99	0	99	0
4AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.016 0.25 2.5	LAA PMV PMV	11 11 11	0	0	93	0	83	0
5AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.024 0.25 2.5	LAA PMV PMV	11 11 11	20	10	85	3	90	0
6AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN DEHAND WEDED	0.024 0.25 2.5 0.00	LAA PMV PMV NA	11 11 11 0	0	0	99	0	99	0
7AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN D COBRA (2EC)	0.016 0.25 2.5 0.063	LAA PMV PMV LAA	11 11 11 11	10	8	93	0	86	0
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
9AEHAND WEDED	0.00	NA	0	0	0	99	0	99	0
10A PURSUIT (2SL) B COBRA (2EC) CESUNIT II D FERTILIZER - 28%UAN	0.063 0.063 0.75 2.5	LAA LAA PMV PMV	11 11 11 11	8	10	88	0	78	0
11AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.016 0.25 2.5	LAA PMV PMV	12 12 12	0	0	99	0	98	0
12AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.024 0.25 2.5	LAA PMV PMV	12 12 12	0	0	95	0	98	0
13AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN DEHAND WEDED	0.024 0.25 2.5 0.00	LAA PMV PMV NA	12 12 12 0	0	0	99	0	99	0
14AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN D COBRA (2EC)	0.024 0.25 2.5 0.063	LAA PMV PMV LAA	12 12 12 12	0	0	90	0	95	0
15AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.016 0.25 2.5	LAA PMV PMV	13 13 13	0	0	45	0	47	0
16AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN	0.024 0.25 2.5	LAA PMV PMV	13 13 13	0	3	48	0	57	0
17AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN DEHAND WEDED	0.024 0.25 2.5 0.00	LAA PMV PMV NA	13 13 13 0	0	0	99	0	99	0
18AEFIRST RATE BEACTIVATE PLUS C FERTILIZER - 28%UAN D COBRA (2EC)	0.024 0.25 2.5 0.063	LAA PMV PMV LAA	13 13 13 13	0	12	52	0	67	0
LSD (0.05)				1.0	2.5	6.8	1.0	12.1	0.0
STANDARD DEVIATION				4.8	4.1	39.3	0.9	26.7	0.0

TRT COMPOUND NUM TESTED	DOSAGE			AMBTR 6DDAT
	RATE	UNIT	TM	
1AEFIRST RATE	0.031	LAA	7	68
2AEFIRST RATE	0.031	LAA	9	95
3AEFIRST RATE	0.031	LAA	9	99
BEHAND WEDED	0.00	NA	9	
4AEFIRST RATE	0.016	LAA	11	87
BEACTIVATE PLUS	0.25	PMV	11	
C FERTILIZER - 28%UAN	2.5	PMV	11	
5AEFIRST RATE	0.024	LAA	11	93
BEACTIVATE PLUS	0.25	PMV	11	
C FERTILIZER - 28%UAN	2.5	PMV	11	
6AEFIRST RATE	0.024	LAA	11	99
BEACTIVATE PLUS	0.25	PMV	11	
C FERTILIZER - 28%UAN	2.5	PMV	11	
DEHAND WEDED	0.00	NA	0	
7AEFIRST RATE	0.016	LAA	11	90
BEACTIVATE PLUS	0.25	PMV	11	
C FERTILIZER - 28%UAN	2.5	PMV	11	
D COBRA (2EC)	0.063	LAA	11	
8A UNTREATED CHECK	0.00	NA	0	0
9AEHAND WEDED	0.00	NA	0	99
10A PURSUIT (2SL)	0.063	LAA	11	87
B COBRA (2EC)	0.063	LAA	11	
CEUNIT II	0.75	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
11AEFIRST RATE	0.016	LAA	12	96
BEACTIVATE PLUS	0.25	PMV	12	
C FERTILIZER - 28%UAN	2.5	PMV	12	
12AEFIRST RATE	0.024	LAA	12	98
BEACTIVATE PLUS	0.25	PMV	12	
C FERTILIZER - 28%UAN	2.5	PMV	12	
13AEFIRST RATE	0.024	LAA	12	98
BEACTIVATE PLUS	0.25	PMV	12	
C FERTILIZER - 28%UAN	2.5	PMV	12	
DEHAND WEDED	0.00	NA	0	
14AEFIRST RATE	0.024	LAA	12	97
BEACTIVATE PLUS	0.25	PMV	12	
C FERTILIZER - 28%UAN	2.5	PMV	12	
D COBRA (2EC)	0.063	LAA	12	
15AEFIRST RATE	0.016	LAA	13	53
BEACTIVATE PLUS	0.25	PMV	13	
C FERTILIZER - 28%UAN	2.5	PMV	13	
16AEFIRST RATE	0.024	LAA	13	75
BEACTIVATE PLUS	0.25	PMV	13	
C FERTILIZER - 28%UAN	2.5	PMV	13	
17AEFIRST RATE	0.024	LAA	13	99
BEACTIVATE PLUS	0.25	PMV	13	
C FERTILIZER - 28%UAN	2.5	PMV	13	
DEHAND WEDED	0.00	NA	0	
18AEFIRST RATE	0.024	LAA	13	78
BEACTIVATE PLUS	0.25	PMV	13	
C FERTILIZER - 28%UAN	2.5	PMV	13	
D COBRA (2EC)	0.063	LAA	13	

LSD (0.05) 8.0  
STANDARD DEVIATION 22.3

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 7.0  
 %OM: 4.6  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-20-96	MDY
AIR TEMPERATURE	85	½F
% REL.HUMIDITY	45	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	3.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	0.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9281	****/****	IN
05-06-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	****/****	IN
RAGWEED, GIANT	HGH/15	
	4.00/8.00	IN
LAMBSQUARTERS, C	HGH/14	
	1.00/3.00	IN
FOXTAIL, GIANT	HGH/13	
	****/****	IN

## \* TIMING CODES

12 = POST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMBTR	ABUTH	CHEAL	GLXMA
	RATE	UNIT	TM	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-01-96	CON % 07-23-96
1AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 15-GPA	0.023 1.25 1.67	LAA PMV PMV	12 12 12 0	3	68	62	60	57	2
2AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 10-GPA	0.023 1.88 2.5	LAA PMV PMV	12 12 12 0	5	72	65	65	58	3
3AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 15-GPA	0.023 1.00 1.67	LAA PMV PMV	12 12 12 0	2	73	65	58	53	7
4AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 10-GPA	0.023 1.00 2.5	LAA PMV PMV	12 12 12 0	20	73	67	62	60	13
5AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 15-GPA	0.023 1.25 1.67	LAA PMV PMV	12 12 12 0	3	75	75	68	60	5
6AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 10-GPA	0.023 1.88 2.5	LAA PMV PMV	12 12 12 0	5	77	72	68	67	8
7AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 15-GPA	0.023 1.00 1.67	LAA PMV PMV	12 12 12 0	7	72	77	67	63	8
8AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 10-GPA	0.023 1.00 2.5	LAA PMV PMV	12 12 12 0	3	70	70	63	63	7
9AERAPTOR BEPERSIST RTS C 15-GPA	0.023 3.3	LAA PMV	12 12 0	3	77	73	68	63	8
10AERAPTOR BEPERSIST RTS C 10-GPA	0.023 5.00	LAA PMV	12 12 0	5	72	72	67	68	10
11AERAPTOR BECOC C FERTILIZER - 28%JAN D 15-GPA	0.023 1.67 1.67	LAA PMV PMV	12 12 12 0	2	75	70	57	63	7
12AERAPTOR BECOC C FERTILIZER - 28%JAN D 10-GPA	0.023 2.5 2.5	LAA PMV PMV	12 12 12 0	5	77	63	57	63	5
13AERAPTOR BECOC C FERTILIZER - 28%JAN D 15-GPA	0.023 1.00 1.67	LAA PMV PMV	12 12 12 0	2	67	62	58	62	10
14AERAPTOR BECOC C FERTILIZER - 28%JAN D 10-GPA	0.023 1.00 2.5	LAA PMV PMV	12 12 12 0	5	72	62	62	65	10
15AERAPTOR BESUNIT II C FERTILIZER - 28%JAN D 15-GPA	0.023 1.25 1.67	LAA PMV PMV	12 12 12 0	2	70	70	58	65	12
16AERAPTOR BESUNIT II C FERTILIZER - 28%JAN D 10-GPA	0.023 1.88 2.5	LAA PMV PMV	12 12 12 0	3	72	65	67	60	8



TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	AMBTR	ABUTH	CHEAL
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 15-GPA	0.023 1.25 1.67	LAA PMV PMV	12 12 12 0	93	65	88	95
2AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 10-GPA	0.023 1.88 2.5	LAA PMV PMV	12 12 12 0	93	77	90	98
3AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 15-GPA	0.023 1.00 1.67	LAA PMV PMV	12 12 12 0	93	72	93	96
4AERAPTOR BEPERSIST C FERTILIZER - 28%JAN D 10-GPA	0.023 1.00 2.5	LAA PMV PMV	12 12 12 0	93	75	91	94
5AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 15-GPA	0.023 1.25 1.67	LAA PMV PMV	12 12 12 0	93	80	96	96
6AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 10-GPA	0.023 1.88 2.5	LAA PMV PMV	12 12 12 0	95	80	94	98
7AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 15-GPA	0.023 1.00 1.67	LAA PMV PMV	12 12 12 0	95	82	96	99
8AERAPTOR BEPERSIST LWV C FERTILIZER - 28%JAN D 10-GPA	0.023 1.00 2.5	LAA PMV PMV	12 12 12 0	95	78	95	99
9AERAPTOR BEPERSIST RTS C 15-GPA	0.023 3.3	LAA PMV	12 12 0	95	85	92	99
10AERAPTOR BEPERSIST RTS C 10-GPA	0.023 5.00	LAA PMV	12 12 0	95	82	96	99
11AERAPTOR BECOC C FERTILIZER - 28%JAN D 15-GPA	0.023 1.67 1.67	LAA PMV PMV	12 12 12 0	95	78	89	98
12AERAPTOR BECOC C FERTILIZER - 28%JAN D 10-GPA	0.023 2.5 2.5	LAA PMV PMV	12 12 12 0	95	77	91	99
13AERAPTOR BECOC C FERTILIZER - 28%JAN D 15-GPA	0.023 1.00 1.67	LAA PMV PMV	12 12 12 0	95	65	91	98
14AERAPTOR BECOC C FERTILIZER - 28%JAN D 10-GPA	0.023 1.00 2.5	LAA PMV PMV	12 12 12 0	93	68	91	99
15AERAPTOR BESUNIT II C FERTILIZER - 28%JAN D 15-GPA	0.023 1.25 1.67	LAA PMV PMV	12 12 12 0	95	73	94	98
16AERAPTOR BESUNIT II C FERTILIZER - 28%JAN D 10-GPA	0.023 1.88 2.5	LAA PMV PMV	12 12 12 0	95	73	92	99

TRT COMPOUND NUM TESTED	DOSAGE			SETFA	AMBTR	ABUTH	CHEAL	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
17AERAPTOR	0.023	LAA	12	95	77	95	94	
BESUNIT II	1.00	PMV	12					
C FERTILIZER - 28%UAN	1.67	PMV	12					
D 15-GPA			0					
18AERAPTOR	0.023	LAA	12	95	72	95	91	
BESUNIT II	1.00	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
D 10-GPA			0					
19AERAPTOR	0.023	LAA	12	95	70	96	96	
BEPX 3096	5.00	PMV	12					
C 15-GPA			0					
20AERAPTOR	0.023	LAA	12	95	80	96	99	
BEPX 3096	5.00	PMV	12					
C 10-GPA			0					
21A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
				LSD (0.05)	2.2	12.3	7.3	5.2
				STANDARD DEVIATION	20.2	18.2	20.9	21.0

£ = SUPPLEMENTAL CHEMICAL



IMIS ON WATERHEMP IN STS SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.2  
%OM: 2.2  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: GREENVILLE

APPL. NUMBER	01	02	UNIT
<b>TIMINGS</b>	09	11	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	05-23-96	06-20-96	MDY
<b>AIR TEMPERATURE</b>	85	93	½F
<b>% REL. HUMIDITY</b>	35	48	
<b>WIND DIRECTION</b>	SOUTH	SOUTHWEST	
<b>WIND SPEED</b>	10.0	3.0	M/H
<b>SKY CONDITION</b>	CLEAR	CLEAR	
<b>LEAF MOISTURE</b>	DRY	DRY	
<b>ROOT MOISTURE</b>	MOIST	MOIST	
<b>SOIL CONDITION</b>	FRIABLE	FRIABLE	
<b>METHOD</b>	SPRAY	SPRAY	
<b>EQUIPMENT</b>	BACKPACKS	BACKPACKS	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	6	6	
<b>NOZZLE SPACING</b>	20.000	20.000	IN
<b>SWATH WIDTH</b>	10.0	10.0	FT
<b>SPRAY VOLUME</b>	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	
<b>PRESSURE</b>	32.00	32.00	PSI
<b>DILUENT</b>	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
<b>*** CROP ***</b>			
SOYBEAN	HGH/NA	HGH/11	
ASGROW A3304STS	****/****	4.00/4.00	IN
05-23-96			
<b>*** PEST ***</b>			
WATERHEMP, COMMO	HGH/NA	HGH/14	
	****/****	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
11 = EPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			AMATA	GLXMA	AMATA	GLXMA	AMATA	GLXMA	
	RATE	UNIT	TM	CON % 06-05-96	CON % 06-20-96	CON % 06-20-96	CON % 06-28-96	CON % 06-28-96	CON % 07-22-96	
1A PROWL 3.3EC	1.24	LAA	9	97	13	93	20	99	20	
B PURSUIT (2SL)	0.063	LAA	11							
C STATUS 2EC	0.156	LAA	11							
D ECOC	1.25	PMV	11							
E FERTILIZER - 28%UAN	1.25	PMV	11							
2A GALAXY (3.67SL)	0.92	LAA	11	0	0	0	8	99	10	
B POAST PLUS (1EC)	0.25	LAA	11							
C ECOC	1.25	PMV	11							
3A ERAPTOR 1AS	0.039	LAA	11	0	0	0	12	99	10	
B STATUS 2EC	0.156	LAA	11							
C ECOC	1.25	PMV	11							
D FERTILIZER - 28%UAN	1.25	PMV	11							
4A CONCERT (25WG)	0.0078	LAA	11	0	0	0	2	80	8	
B ASSURE II (0.88EC)	0.055	LAA	11							
C ECOC	1.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
5A CLASSIC (25WG)	0.005	LAA	11	0	0	0	10	99	7	
B PINNACLE (25WG)	0.0028	LAA	11							
C COBRA (2EC)	0.063	LAA	11							
D ASSURE II (0.88EC)	0.055	LAA	11							
E ECOC	1.25	PMV	11							
F FERTILIZER - 28%UAN	2.5	PMV	11							
6A CLASSIC (25WG)	0.01	LAA	11	0	0	0	8	99	13	
B PINNACLE (25WG)	0.0034	LAA	11							
C COBRA (2EC)	0.063	LAA	11							
D ASSURE II (0.88EC)	0.055	LAA	11							
E ECOC	1.25	PMV	11							
F FERTILIZER - 28%UAN	2.5	PMV	11							
7A PROWL 3.3EC	1.24	LAA	9	97	13	95	20	99	17	
B PURSUIT (2SL)	0.063	LAA	11							
C PINNACLE (25WG)	0.002	LAA	11							
D STATUS 2EC	0.156	LAA	11							
E ECOC	1.25	PMV	11							
F FERTILIZER - 28%UAN	1.25	PMV	11							
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	1.8	4.2	1.8	4.9	0.4	9.6
				STANDARD DEVIATION	42.2	6.1	40.8	7.2	32.4	7.1

TRT COMPOUND NUM TESTED	DOSAGE			AMATA	SETFA
	RATE	UNIT	TM	CON % 07-22-96	CON % 07-22-96
1A PROWL 3.3EC	1.24	LAA	9	95	70
B PURSUIT (2SL)	0.063	LAA	11		
C STATUS 2EC	0.156	LAA	11		
D ECOC	1.25	PMV	11		
E FERTILIZER - 28%UAN	1.25	PMV	11		
2A GALAXY (3.67SL)	0.92	LAA	11	93	96
B POAST PLUS (1EC)	0.25	LAA	11		
C ECOC	1.25	PMV	11		
3A ERAPTOR 1AS	0.039	LAA	11	96	98
B STATUS 2EC	0.156	LAA	11		
C ECOC	1.25	PMV	11		
D FERTILIZER - 28%UAN	1.25	PMV	11		
4A CONCERT (25WG)	0.0078	LAA	11	88	94
B ASSURE II (0.88EC)	0.055	LAA	11		
C ECOC	1.25	PMV	11		
D FERTILIZER - 28%UAN	2.5	PMV	11		
5A CLASSIC (25WG)	0.005	LAA	11	97	93
B PINNACLE (25WG)	0.0028	LAA	11		
C COBRA (2EC)	0.063	LAA	11		
D ASSURE II (0.88EC)	0.055	LAA	11		
E ECOC	1.25	PMV	11		
F FERTILIZER - 28%UAN	2.5	PMV	11		
6A CLASSIC (25WG)	0.01	LAA	11	99	98
B PINNACLE (25WG)	0.0034	LAA	11		
C COBRA (2EC)	0.063	LAA	11		
D ASSURE II (0.88EC)	0.055	LAA	11		
E ECOC	1.25	PMV	11		
F FERTILIZER - 28%UAN	2.5	PMV	11		
7A PROWL 3.3EC	1.24	LAA	9	96	96
B PURSUIT (2SL)	0.063	LAA	11		
C PINNACLE (25WG)	0.002	LAA	11		
D STATUS 2EC	0.156	LAA	11		
E ECOC	1.25	PMV	11		
F FERTILIZER - 28%UAN	1.25	PMV	11		
8A UNTREATED CHECK	0.00	NA	0	0	0
				LSD (0.05)	8.8
				STANDARD DEVIATION	31.8
					3.3
					31.7

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.2  
%OM: 2.2  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 25 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: GREENVILLE

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-24-96	MDY
AIR TEMPERATURE	85	87	½F
% REL. HUMIDITY	35	48	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	10.0	7.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/NA	HGH/14	
PIONEER 9362	****/****	6.00/8.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/18	
	****/****	4.00/6.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
12 = POST

\* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA	
	RATE	UNIT	TM	CON % 06-05-96	CON % 06-05-96	CON % 06-20-96	CON % 06-20-96	CON % 06-29-96	CON % 06-29-96	
1A EAXIOM	0.68	LAA	9	0	98	8	92	0	85	
2A EAXIOM	0.77	LAA	9	0	99	12	90	0	77	
3A DUAL II (7.8EC)	1.95	LAA	9	0	99	10	90	0	83	
4A FRONTIER 6.0EC	1.29	LAA	9	0	99	7	91	0	85	
5A TURBO 8EC	2.5	LAA	9	0	99	8	96	0	90	
6A SQUADRON (2.33EC)	0.87	LAA	9	0	99	7	96	3	99	
7A SQUADRON (2.33EC)	0.87	LAA	9	0	99	8	99	3	99	
B SENCOR DF (75WG)	0.38	LAA	9							
8A PROWL 3.3EC	1.03	LAA	9	0	99	20	87	12	97	
B PURSUIT (2SL)	0.063	LAA	12							
C SUNIT II	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
9A EAXIOM	0.68	LAA	9	0	98	12	82	15	99	
B FLEXSTAR 1.88ME	0.313	LAA	12							
C EMSO	1.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
10A DUAL II (7.8EC)	1.95	LAA	9	0	99	7	88	15	99	
B FLEXSTAR 1.88ME	0.313	LAA	12							
C EMSO	1.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
11A FRONTIER 6.0EC	1.29	LAA	9	0	99	17	91	30	99	
B FLEXSTAR 1.88ME	0.313	LAA	12							
C EMSO	1.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
12A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
13A PROWL 3.3EC	1.03	LAA	9	0	98	3	82	15	96	
B SENCOR DF (75WG)	0.281	LAA	9							
C PURSUIT (2SL)	0.063	LAA	12							
D SUNIT II	1.00	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
14A PROWL 3.3EC	1.03	LAA	9	0	97	10	87	12	97	
B SENCOR DF (75WG)	0.375	LAA	9							
C PURSUIT (2SL)	0.063	LAA	12							
D SUNIT II	1.00	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
				LSD (0.05)	0.0	1.7	12.3	10.9	10.2	7.7
				STANDARD DEVIATION	0.0	25.4	8.0	24.4	10.0	25.2

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	AMATA
	RATE	UNIT		CON % 07-22-96	CON % 07-22-96
1A£AXIOM	0.68	LAA	9	5	63
2A£AXIOM	0.77	LAA	9	7	53
3A DUAL II (7.8EC)	1.95	LAA	9	5	70
4A£FRONTIER 6.0EC	1.29	LAA	9	7	60
5A TURBO 8EC	2.5	LAA	9	8	68
6A SQUADRON (2.33EC)	0.87	LAA	9	8	95
7A SQUADRON (2.33EC)	0.87	LAA	9	8	90
B SENCOR DF (75WG)	0.38	LAA	9		
8A PROWL 3.3EC	1.03	LAA	9	12	93
B PURSUIT (2SL)	0.063	LAA	12		
C£SUNIT II	1.00	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
9A£AXIOM	0.68	LAA	9	12	99
B£FLEXSTAR 1.88ME	0.313	LAA	12		
C£MSO	1.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
10A DUAL II (7.8EC)	1.95	LAA	9	7	99
B£FLEXSTAR 1.88ME	0.313	LAA	12		
C£MSO	1.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
11A£FRONTIER 6.0EC	1.29	LAA	9	18	99
B£FLEXSTAR 1.88ME	0.313	LAA	12		
C£MSO	1.25	PMV	12		
D FERTILIZER - 28%UAN	2.5	PMV	12		
12A UNTREATED CHECK	0.00	NA	0	0	0
13A PROWL 3.3EC	1.03	LAA	9	17	93
B SENCOR DF (75WG)	0.281	LAA	9		
C PURSUIT (2SL)	0.063	LAA	12		
D£SUNIT II	1.00	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
14A PROWL 3.3EC	1.03	LAA	9	17	92
B SENCOR DF (75WG)	0.375	LAA	9		
C PURSUIT (2SL)	0.063	LAA	12		
D£SUNIT II	1.00	PMV	12		
E FERTILIZER - 28%UAN	2.5	PMV	12		
				LSD (0.05)	8.0
				STANDARD DEVIATION	6.5
					13.9
					27.2

£ = SUPPLEMENTAL CHEMICAL

WATERHEMP IN I.R. CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 2.2  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: GREENVILLE

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-24-96	MDY
AIR TEMPERATURE	85	87	½F
% REL. HUMIDITY	35	48	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	8.0	7.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/14	
05-23-96	****/****	6.00/8.00	IN
*** PEST ***			
WATERHEMP, TALL	HGH/NA	HGH/18	
	****/****	4.00/6.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
 12 = POST

## \* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMATU	ZEAMD	AMATU	AMATU
	RATE	UNIT	TM	CON % 06-05-96	CON % 06-05-96	CON % 07-17-96	CON % 07-17-96	CON % 08-12-96
1A PURSUIT (2SL)	0.063	LAA	9	0	99	0	99	93
2A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	99	95
3A ATRAZINE 90DF (WG)	0.75	LAA	9	0	99	0	93	88
4A ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	0	91	87
5A ATRAZINE 90DF (WG)	1.25	LAA	9	0	99	0	98	93
6A ATRAZINE 90DF (WG)	1.5	LAA	9	0	99	0	96	93
7A PURSUIT (2SL)	0.063	LAA	9	0	99	0	99	93
B ATRAZINE 90DF (WG)	1.00	LAA	9					
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
9A PURSUIT (2SL)	0.063	LAA	9	0	99	0	95	94
B ATRAZINE 90DF (WG)	1.5	LAA	9					
10A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	99	95
B ATRAZINE 90DF (WG)	1.00	LAA	9					
11A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	99	97
B ATRAZINE 90DF (WG)	1.5	LAA	9					
12A PURSUIT (2SL)	0.063	LAA	12	0	0	0	87	83
B ATRAZINE 90DF (WG)	0.75	LAA	12					
CÉCOC	1.00	PMV	12					
13A PURSUIT (2SL)	0.063	LAA	12	0	0	0	86	83
BÉCOC	1.00	PMV	12					
14A PURSUIT (2SL)	0.063	LAA	12	0	0	0	90	82
B ATRAZINE 90DF (WG)	1.00	LAA	12					
CÉCOC	1.00	PMV	12					
15A PURSUIT (2SL)	0.063	LAA	12	0	0	0	73	80
B ATRAZINE 90DF (WG)	1.25	LAA	12					
CÉCOC	1.00	PMV	12					
16A PURSUIT (2SL)	0.063	LAA	12	0	0	0	75	85
B ATRAZINE 90DF (WG)	1.5	LAA	12					
CÉCOC	1.00	PMV	12					
17AÉRESOLVE	0.25	LAA	12	0	0	0	85	87
BÉACTIVATE PLUS	0.25	PMV	12					
18A BEACON (75WG)	0.036	LAA	12	0	0	0	77	75
BÉCOC	1.00	PMV	12					
19A BEACON (75WG)	0.036	LAA	12	0	0	0	82	80
B ATRAZINE 90DF (WG)	0.75	LAA	12					
CÉCOC	1.00	PMV	12					
20A BEACON (75WG)	0.036	LAA	12	0	0	0	75	85
B ATRAZINE 90DF (WG)	1.00	LAA	12					
CÉCOC	1.00	PMV	12					
21A BEACON (75WG)	0.036	LAA	12	0	0	0	96	93
B ATRAZINE 90DF (WG)	1.5	LAA	12					
CÉCOC	1.00	PMV	12					
22A BEACON (75WG)	0.036	LAA	12	0	0	0	93	90
B BANVEL (4SL)	0.188	LAA	12					
CÉACTIVATE PLUS	0.25	PMV	12					
23AÉPERMIT	0.031	LAA	12	0	0	0	67	72
BÉCOC	1.00	PMV	12					
24AÉPERMIT	0.031	LAA	12	0	0	0	73	78
B ATRAZINE 90DF (WG)	0.75	LAA	12					
CÉCOC	1.00	PMV	12					



TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMATU	ZEAMD	AMATU	AMATU
	RATE	UNIT	TM	CON % 06-05-96	CON % 06-05-96	CON % 07-17-96	CON % 07-17-96	CON % 08-12-96
25A£PERMIT B ATRAZINE 90DF (WG) C£COC	0.031 1.00 1.00	LAA LAA PMV	12 12 12	0	0	0	70	78
26A£PERMIT B ATRAZINE 90DF (WG) C£COC	0.031 1.5 1.00	LAA LAA PMV	12 12 12	0	0	0	72	82
27A£PERMIT B£COC	0.047 1.00	LAA PMV	12 12	0	0	0	73	75
28A£PERMIT B ATRAZINE 90DF (WG) C£COC	0.047 0.75 1.00	LAA LAA PMV	12 12 12	0	0	0	73	72
29A£PERMIT B ATRAZINE 90DF (WG) C£COC	0.047 1.00 1.00	LAA LAA PMV	12 12 12	0	0	0	58	68
30A£PERMIT B ATRAZINE 90DF (WG) C£COC	0.047 1.5 1.00	LAA LAA PMV	12 12 12	0	0	0	67	73
31A£PERMIT B BANVEL (4SL) C£ACTIVATE PLUS	0.031 0.188 0.25	LAA LAA PMV	12 12 12	0	0	0	77	80
32A ATRAZINE 90DF (WG) B£COC	1.00 1.00	LAA PMV	12 12	0	0	0	48	57
33A ATRAZINE 90DF (WG) B£COC	1.5 1.00	LAA PMV	12 12	0	0	0	52	63
34A MARKSMAN (3.2SC)	1.4	LAA	12	0	0	0	87	85
35A£SCORPION III 84.3WG B£ACTIVATE PLUS C FERTILIZER - 28%JAN	0.21 0.25 2.5	LAA PMV PMV	12 12 12	0	0	0	95	93
36A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
37A CLARITY (4SL) B£ACTIVATE PLUS	0.125 0.25	LAA PMV	12 12	0	0	0	77	78
38A CLARITY (4SL) B PURSUIT (2SL) C£ACTIVATE PLUS	0.125 0.063 0.25	LAA LAA PMV	12 12 12	0	0	0	92	90
39A CLARITY (4SL) B£ACTIVATE PLUS	0.1875 0.25	LAA PMV	12 12	0	0	0	70	77
40A£TOUGH 5EC B£COC	0.468 1.00	LAA PMV	12 12	0	0	0	91	85
41A£TOUGH 5EC B£COC	0.937 1.00	LAA PMV	12 12	0	0	0	99	93
42A£TOUGH 5EC B ATRAZINE 90DF (WG) C£COC	0.468 1.00 1.00	LAA LAA PMV	12 12 12	0	0	0	99	92
	LSD (0.05)			0.0	0.3	0.0	14.6	9.1
	STANDARD DEVIATION			0.0	42.1	0.0	23.5	20.6

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 2.4  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 25 FEET

DESIGN: RCB  
REPS: 3  
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	07-16-96	MDY
AIR TEMPERATURE	89	89	½F
% REL. HUMIDITY	75	56	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	3.0	5.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
RRS AG36001	****/****	5.00/6.00	IN
06-17-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/19	
	****/****	4.00/8.00	IN

\* TIMING CODES

09 = PREEMERGENCE  
12 = POST

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA	
	RATE	UNIT	TM	CON % 07-11-96	CON % 07-11-96	CON % 07-23-96	CON % 07-23-96	CON % 08-08-96	CON % 08-08-96	
1A EAXIOM	0.68	LAA	9	3	82	3	70	0	57	
B PURSUIT (2SL)	0.063	LAA	12							
C SUNIT II	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
2A EAXIOM	0.77	LAA	9	13	77	3	58	0	57	
B PURSUIT (2SL)	0.063	LAA	12							
C SUNIT II	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
3A DUAL II (7.8EC)	1.95	LAA	9	0	90	0	67	0	60	
B PURSUIT (2SL)	0.063	LAA	12							
C SUNIT II	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
4A FRONTIER 6.0EC	1.29	LAA	9	3	92	0	65	2	67	
B PURSUIT (2SL)	0.063	LAA	12							
C SUNIT II	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
5A TURBO 8EC	2.5	LAA	9	12	87	0	60	0	63	
6A SQUADRON (2.33EC)	0.87	LAA	9	8	75	0	57	0	55	
7A SQUADRON (2.33EC)	0.87	LAA	9	15	83	3	55	0	55	
B SENCOR DF (75WG)	0.38	LAA	9							
8A PROWL 3.3EC	1.03	LAA	9	20	50	10	33	5	33	
B PURSUIT (2SL)	0.063	LAA	12							
C SUNIT II	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
9A PROWL 3.3EC	1.03	LAA	9	10	78	0	53	3	43	
B SENCOR DF (75WG)	0.38	LAA	9							
C PURSUIT (2SL)	0.063	LAA	12							
D SUNIT II	1.00	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
10A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	10.1	17.7	7.5	22.5	2.2	7.9
				STANDARD DEVIATION	7.9	27.4	4.8	22.2	2.0	19.1

£ = SUPPLEMENTAL CHEMICAL

IMIS IN ROUNDUP-READY SOYS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 2.4  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 25 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	07-16-96	MDY
AIR TEMPERATURE	85	93	½F
% REL.HUMIDITY	70	65	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	3.0	2.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/12	
RRS AG3001	****/****	5.00/6.00	IN
06-17-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/16	
	****/****	3.00/5.00	IN
PANICUM, FALL	HGH/NA	HGH/13	
	****/****	2.00/4.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
 12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	AMATA	PANDI	GLXMA	AMATA
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 08-08-96	CON % 08-08-96
1A PROWL 3.3EC	1.03	LAA	9	0	47	63	0	57
B PURSUIT (2SL)	0.063	LAA	12					
CESUNIT II	1.00	PMV	12					
D FERTILIZER - 28%JAN	2.5	PMV	12					
2A PROWL 3.3EC	1.03	LAA	9	23	93	92	3	93
B PURSUIT (2SL)	0.063	LAA	12					
CSTATUS 2EC	0.125	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
3A PROWL 3.3EC	1.03	LAA	9	23	95	90	3	96
B PURSUIT (2SL)	0.063	LAA	12					
CSTATUS 2EC	0.156	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
4A PROWL 3.3EC	1.03	LAA	9	25	99	87	5	99
B PURSUIT (2SL)	0.063	LAA	12					
CSTATUS 2EC	0.187	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
5A PROWL 3.3EC	1.03	LAA	9	30	98	95	3	96
B PURSUIT (2SL)	0.063	LAA	12					
CSTATUS 2EC	0.218	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
6A PROWL 3.3EC	1.03	LAA	9	17	47	75	8	67
BERAPTOR 1AS	0.031	LAA	12					
CESUNIT II	1.00	PMV	12					
D FERTILIZER - 28%JAN	2.5	PMV	12					
7A PROWL 3.3EC	1.03	LAA	9	25	96	88	5	92
BERAPTOR 1AS	0.031	LAA	12					
CSTATUS 2EC	0.125	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
8A PROWL 3.3EC	1.03	LAA	9	27	98	90	10	95
BERAPTOR 1AS	0.031	LAA	12					
CSTATUS 2EC	0.187	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
9A PROWL 3.3EC	1.03	LAA	9	22	94	83	5	95
BERAPTOR 1AS	0.031	LAA	12					
CSTATUS 2EC	0.25	LAA	12					
DESUNIT II	1.00	PMV	12					
E FERTILIZER - 28%JAN	2.5	PMV	12					
10AERAPTOR 1AS	0.039	LAA	12	0	33	75	0	27
BESUNIT II	1.00	PMV	12					
C FERTILIZER - 28%JAN	2.5	PMV	12					
11AERAPTOR 1AS	0.039	LAA	12	18	92	88	5	93
BESTATUS 2EC	0.125	LAA	12					
CESUNIT II	1.00	PMV	12					
D FERTILIZER - 28%JAN	2.5	PMV	12					
12AERAPTOR 1AS	0.039	LAA	12	23	95	87	8	96
BESTATUS 2EC	0.187	LAA	12					
CESUNIT II	1.00	PMV	12					
D FERTILIZER - 28%JAN	2.5	PMV	12					
13AERAPTOR 1AS	0.039	LAA	12	28	95	87	10	93
BESTATUS 2EC	0.25	LAA	12					
CESUNIT II	1.00	PMV	12					
D FERTILIZER - 28%JAN	2.5	PMV	12					
14A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
15AESTEEL CP	0.00	LAA	9	7	47	85	3	37
B PURSUIT PLUS (2.9EC)	0.91	LAA	9					
C SCEPTER 70DG (WG)	0.063	LAA	9					
D PROWL 3.3EC	0.206	LAA	9					

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	AMATA	PANDI	GLXMA	AMATA	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 08-08-96	CON % 08-08-96	
16A STEEL CP	0.00	LAA	9	12	95	88	2	91	
B PURSUIT PLUS (2.9EC)	0.91	LAA	9						
C SCEPTER 70DG (WG)	0.063	LAA	9						
D PROWL 3.3EC	0.206	LAA	9						
E STATUS 2EC	0.125	LAA	12						
F SUNIT II	1.00	PMV	12						
17A PROWL 3.3EC	1.03	LAA	9	0	43	75	2	43	
B LOROX DF (50WG)	0.25	LAA	9						
C PURSUIT (2SL)	0.063	LAA	12						
D SUNIT II	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
18A PROWL 3.3EC	1.03	LAA	9	0	38	80	3	43	
19A PROWL 3.3EC	1.03	LAA	9	3	37	50	2	37	
B LOROX DF (50WG)	0.5	LAA	9						
20A PURSUIT (2SL)	0.063	LAA	12	0	23	47	0	22	
B SUNIT II	1.00	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
				LSD (0.05)	6.9	13.0	12.9	4.3	10.1
				STANDARD DEVIATION	11.8	32.3	22.6	3.8	31.6

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 2.4  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 25 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	07-16-96	MDY
AIR TEMPERATURE	85	89	½F
% REL. HUMIDITY	65	56	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	5.0	5.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
RRS AG3001	****/****	5.00/6.00	IN
06-17-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/19	
	****/****	4.00/8.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
12 = POST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	AMATA	GLXMA	AMATA	
	RATE	UNIT	TM	CON % 07-23-96	CON % 07-23-96	CON % 08-08-96	CON % 08-08-96	
1A DUAL II (7.8EC)	1.95	LAA	9	3	70	2	78	
B CANOPY (75WG)	0.188	LAA	9					
2A DUAL II (7.8EC)	1.95	LAA	9	7	53	2	65	
B LOROX DF (50WG)	0.5	LAA	9					
3A CANOPY (75WG)	0.141	LAA	9	10	60	2	53	
B LOROX DF (50WG)	0.5	LAA	9					
C ASSURE II (0.88EC)	0.055	LAA	12					
D ECOC	1.00	PMV	12					
4A LOROX DF (50WG)	0.5	LAA	9	3	72	0	68	
B ASSURE II (0.88EC)	0.055	LAA	12					
C ECOC	1.00	PMV	12					
5A CANOPY (75WG)	0.234	LAA	9	23	47	3	53	
B ASSURE II (0.88EC)	0.055	LAA	12					
C ECOC	1.00	PMV	12					
6A LASSO MICRO-TECH (4CS)	2.5	LAA	9	7	80	2	87	
B LOROX DF (50WG)	0.5	LAA	9					
7A DUAL II (7.8EC)	1.95	LAA	9	22	90	2	96	
B FLEXSTAR 1.88ME	0.313	LAA	12					
C EMSO	1.25	LAA	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
8A CANOPY (75WG)	0.234	LAA	9	13	68	7	75	
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
9A LASSO MICRO-TECH (4CS)	2.5	LAA	9	0	88	0	90	
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
10A SENCOR DF (75WG)	0.375	LAA	9	5	85	2	85	
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
11A LOROX DF (50WG)	0.5	LAA	9	7	83	3	87	
B ROUNDUP (3SL)	0.56	LAA	12					
C ACTIVATE PLUS	0.5	PMV	12					
12A CONCERT (25WG)	0.0078	LAA	12	27	30	10	63	
B ASSURE II (0.88EC)	0.048	LAA	12					
C ECOC	1.00	PMV	12					
13A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
14A ROUNDUP (3SL)	0.375	LAA	12	5	75	3	77	
B ACTIVATE PLUS	0.5	PMV	12					
15A ROUNDUP (3SL)	0.56	LAA	12	0	87	0	83	
B ACTIVATE PLUS	0.5	PMV	12					
16A ROUNDUP (3SL)	0.75	LAA	12	3	83	2	90	
B ACTIVATE PLUS	0.5	PMV	12					
				LSD (0.05)	9.5	11.0	4.6	10.1
				STANDARD DEVIATION	9.4	24.4	3.4	23.0

£ = SUPPLEMENTAL CHEMICAL



## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.3  
%OM: 2.4  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-21-96	06-21-96	MDY
AIR TEMPERATURE	84	87	½F
% REL. HUMIDITY	83	90	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	4.0	2.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/14	
PIONEER 3417IR	****/****	6.00/8.00	IN
05-21-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/18	
	****/****	2.00/5.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
12 = POST

## \* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMATA	ZEAMD	AMATA
	RATE	UNIT	TM	CON % 07-05-96	CON % 07-05-96	CON % 08-12-96	CON % 08-12-96
1A PURSUIT (2SL)	0.063	LAA	9	0	17	0	10
2A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	3	72	0	67
3A ATRAZINE 90DF (WG)	0.75	LAA	9	0	96	0	93
4A ATRAZINE 90DF (WG)	1.00	LAA	9	0	97	0	94
5A ATRAZINE 90DF (WG)	1.25	LAA	9	0	95	0	92
6A ATRAZINE 90DF (WG)	1.5	LAA	9	0	97	0	95
7A PURSUIT (2SL)	0.063	LAA	9	0	86	0	89
B ATRAZINE 90DF (WG)	1.00	LAA	9				
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0
9A PURSUIT (2SL)	0.063	LAA	9	3	98	0	96
B ATRAZINE 90DF (WG)	1.5	LAA	9				
10A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	98	0	96
B ATRAZINE 90DF (WG)	1.00	LAA	9				
11A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	97
B ATRAZINE 90DF (WG)	1.5	LAA	9				
12A PURSUIT (2SL)	0.063	LAA	12	7	97	0	97
B ATRAZINE 90DF (WG)	0.75	LAA	12				
C ECOC	1.00	PMV	12				
13A PURSUIT (2SL)	0.063	LAA	12	0	0	0	0
B ECOC	1.00	PMV	12				
14A PURSUIT (2SL)	0.063	LAA	12	0	99	0	98
B ATRAZINE 90DF (WG)	1.00	LAA	12				
C ECOC	1.00	PMV	12				
15A PURSUIT (2SL)	0.063	LAA	12	0	98	0	96
B ATRAZINE 90DF (WG)	1.25	LAA	12				
C ECOC	1.00	PMV	12				
16A PURSUIT (2SL)	0.063	LAA	12	0	99	0	98
B ATRAZINE 90DF (WG)	1.5	LAA	12				
C ECOC	1.00	PMV	12				
17AERESOLVE	0.25	LAA	12	3	99	0	97
BACTIVATE PLUS	0.25	PMV	12				
18A BEACON (75WG)	0.036	LAA	12	0	13	0	22
B ECOC	1.00	PMV	12				
19A BEACON (75WG)	0.036	LAA	12	0	99	0	99
B ATRAZINE 90DF (WG)	0.75	LAA	12				
C ECOC	1.00	PMV	12				
20A BEACON (75WG)	0.036	LAA	12	0	99	0	98
B ATRAZINE 90DF (WG)	1.00	LAA	12				
C ECOC	1.00	PMV	12				
21A BEACON (75WG)	0.036	LAA	12	0	99	0	97
B ATRAZINE 90DF (WG)	1.5	LAA	12				
C ECOC	1.00	PMV	12				
22A BEACON (75WG)	0.036	LAA	12	0	96	0	92
B BANVEL (4SL)	0.188	LAA	12				
C ACTIVATE PLUS	0.25	PMV	12				
23AEPERMIT	0.031	LAA	12	0	20	0	10
B ECOC	1.00	PMV	12				
24AEPERMIT	0.031	LAA	12	0	99	0	98
B ATRAZINE 90DF (WG)	0.75	LAA	12				
C ECOC	1.00	PMV	12				

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMATA	ZEAMD	AMATA	
	RATE	UNIT	TM	CON % 07-05-96	CON % 07-05-96	CON % 08-12-96	CON % 08-12-96	
25A£PERMIT	0.031	LAA	12	0	99	0	97	
B ATRAZINE 90DF (WG)	1.00	LAA	12					
C£COC	1.00	PMV	12					
26A£PERMIT	0.031	LAA	12	0	99	0	98	
B ATRAZINE 90DF (WG)	1.5	LAA	12					
C£COC	1.00	PMV	12					
27A£PERMIT	0.047	LAA	12	0	13	0	7	
B£COC	1.00	PMV	12					
28A£PERMIT	0.047	LAA	12	0	98	0	97	
B ATRAZINE 90DF (WG)	0.75	LAA	12					
C£COC	1.00	PMV	12					
29A£PERMIT	0.047	LAA	12	0	93	0	91	
B ATRAZINE 90DF (WG)	1.00	LAA	12					
C£COC	1.00	PMV	12					
30A£PERMIT	0.047	LAA	12	0	99	0	98	
B ATRAZINE 90DF (WG)	1.5	LAA	12					
C£COC	1.00	PMV	12					
31A£PERMIT	0.031	LAA	12	0	99	0	96	
B BANVEL (4SL)	0.188	LAA	12					
C£ACTIVATE PLUS	0.25	PMV	12					
32A ATRAZINE 90DF (WG)	1.00	LAA	12	0	98	0	97	
B£COC	1.00	PMV	12					
33A ATRAZINE 90DF (WG)	1.5	LAA	12	0	99	0	99	
B£COC	1.00	PMV	12					
34A MARKSMAN (3.2SC)	1.4	LAA	12	13	99	0	95	
35A£SCORPION III 84.3WG	0.21	LAA	12	22	96	0	93	
B£ACTIVATE PLUS	0.25	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
36A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
37A CLARITY (4SL)	0.125	LAA	12	0	98	0	93	
B£ACTIVATE PLUS	0.25	PMV	12					
38A CLARITY (4SL)	0.125	LAA	12	0	93	0	89	
B PURSUIT (2SL)	0.063	LAA	12					
C£ACTIVATE PLUS	0.25	PMV	12					
39A CLARITY (4SL)	0.1875	LAA	12	5	97	0	96	
B£ACTIVATE PLUS	0.25	PMV	12					
40A£TOUGH 5EC	0.468	LAA	12	0	99	0	97	
B£COC	1.00	PMV	12					
41A£TOUGH 5EC	0.937	LAA	12	0	99	0	98	
B£COC	1.00	PMV	12					
42A£TOUGH 5EC	0.468	LAA	12	7	99	0	98	
B ATRAZINE 90DF (WG)	1.00	LAA	12					
C£COC	1.00	PMV	12					
				LSD (0.05)	4.5	12.2	0.0	11.1
				STANDARD DEVIATION	4.7	33.8	0.0	33.8

£ = SUPPLEMENTAL CHEMICAL

SHATTERCANE CONTROL IN IR CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 4  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	09	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-21-96	05-21-96	06-20-96	MDY
AIR TEMPERATURE	83	83	92	½F
% REL.HUMIDITY	60	60	70	
WIND DIRECTION	SOUTH	SOUTH	WEST	
WIND SPEED	5.0	5.0	4.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT PIONEER 3395IR 05-21-28	HGH/NA ****/****	HGH/NA ****/****	HGH/12 3.00/5.00	IN
*** PEST *** SHATTERCANE, SOR	HGH/NA ****/****	HGH/NA ****/****	HGH/12 3.00/5.00	IN

## \* TIMING CODES

07 = PPI  
 09 = PRE  
 12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SORVU	ZEAMD	SORVU	ZEAMD	SORVU	
	RATE	UNIT	TM	CON % 06-20-96	CON % 06-20-96	CON % 06-27-96	CON % 06-27-96	CON % 07-03-96	CON % 07-03-96	
1A PURSUIT (2SL)	0.063	LAA	12	0	0	0	93	0	97	
BESUNIT II	1.00	PMV	12							
C FERTILIZER - 28%UAN	4.00	PMV	12							
2A ACCENT (75WG)	0.031	LAA	12	0	0	0	91	0	96	
BECOC	1.00	PMV	12							
C FERTILIZER - 28%UAN	4.00	PMV	12							
3A PURSUIT (2SL)	0.063	LAA	12	0	0	0	92	0	97	
BESUNIT II	1.00	PMV	12							
C FERTILIZER - 28%UAN	4.00	PMV	12							
4A DOUBLEPLAY (7EC)	5.25	LAA	7	0	95	0	93	0	84	
5A LASSO MICRO-TECH (4CS)	2.00	LAA	9	0	88	0	89	0	76	
6A ACCENT (75WG)	0.031	LAA	12	0	0	0	95	0	96	
BECOC	1.00	PMV	12							
C FERTILIZER - 28%UAN	4.00	PMV	12							
7A PURSUIT (2SL)	0.063	LAA	12	0	0	0	96	0	98	
BESUNIT II	1.00	PMV	12							
C FERTILIZER - 28%UAN	4.00	PMV	12							
8A DOUBLEPLAY (7EC)	5.25	LAA	7	0	96	0	97	0	88	
9A ACCENT (75WG)	0.031	LAA	12	0	0	0	93	3	96	
BECOC	1.00	PMV	12							
C FERTILIZER - 28%UAN	4.00	PMV	12							
10A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	0.0	3.6	0.0	5.0	2.3	3.9
				STANDARD DEVIATION	0.0	42.7	0.0	28.1	1.6	28.4

£ = SUPPLEMENTAL CHEMICAL

DOUBLEPLAY IN SHATTERCANE APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	UNIT
TIMINGS	07	
TYPE	LIQMXSPR	
APPLICATION DATE	05-21-96	MDY
AIR TEMPERATURE	83	½F
% REL.HUMIDITY	84	
WIND DIRECTION	SOUTH	
WIND SPEED	3.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
PIONEER 3395IR	****/****	IN
05-21-96		
*** PEST ***		
SHATTERCANE, SOR	HGH/NA	
	****/****	IN

\* TIMING CODES

07 = PPI

\* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	SORVU	ZEAMD	SORVU	ZEAMD	SORVU	
	RATE	UNIT	TM	CON % 06-20-96	CON % 06-20-96	CON % 06-27-96	CON % 06-27-96	CON % 07-03-96	CON % 07-03-96	
1AETOPNOTCH	2.00	LAA	7	0	93	0	87	0	85	
2AEDOUBLEPLAY	4.38	LAA	7	0	98	0	96	0	93	
3AEDOUBLEPLAY	5.25	LAA	7	0	99	0	99	0	96	
				LSD (0.05)	0.0	2.7	0.0	4.0	0.0	11.5
				STANDARD DEVIATION	0.0	2.9	0.0	5.4	0.0	6.7

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: BROWNSTOWN

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-23-96	MDY
AIR TEMPERATURE	85	1/2 F
% REL. HUMIDITY	35	
WIND DIRECTION	SOUTH	
WIND SPEED	8.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
PIONEER 3394	****/****	IN
05-23-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
PIGWEEED, SMOOTH	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
JIMSONWEED	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

## \* TIMING CODES

09 = PRE

NA = NOT APPLICABLE / NOT AVAILABLE





TRT COMPOUND NUM TESTED	DOSAGE		TM	ABUTH	ZEAMD	SETFA	DATST	POLPY	AMACH	
	RATE	UNIT		CON % 06-26-96	CON % 07-16-96	CON % 07-16-96	CON % 07-16-96	CON % 07-16-96	CON % 07-16-96	
1AEXP31130A	0.071	LAA	9	93	0	91	55	93	93	
2AEXP31130A	0.094	LAA	9	99	0	93	83	98	93	
3AEXP31130A	0.12	LAA	9	99	0	96	87	98	93	
4A DUAL II (7.8EC)	1.00	LAA	9	73	0	98	68	68	70	
5A DUAL II (7.8EC)	1.25	LAA	9	57	0	98	83	80	98	
6A DUAL II (7.8EC)	1.5	LAA	9	80	0	99	72	83	98	
7A UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0	
8A ATRAZINE 90DF (WG)	1.00	LAA	9	99	0	96	99	99	99	
9A ATRAZINE 90DF (WG)	1.5	LAA	9	99	2	98	99	99	99	
10AEXP31130A	0.094	LAA	9	96	0	99	95	93	98	
B DUAL II (7.8EC)	1.00	LAA	9							
11AEXP31130A	0.094	LAA	9	98	0	98	96	91	98	
B DUAL II (7.8EC)	1.25	LAA	9							
12AEXP31130A	0.094	LAA	9	99	0	98	98	98	99	
B DUAL II (7.8EC)	1.5	LAA	9							
13AEXP31130A	0.094	LAA	9	99	0	98	99	99	99	
B ATRAZINE 90DF (WG)	1.00	LAA	9							
14AEXP31130A	0.094	LAA	9	99	2	98	99	99	99	
B ATRAZINE 90DF (WG)	1.5	LAA	9							
15AEXP31130A	0.094	LAA	9	99	0	99	99	99	99	
B DUAL II (7.8EC)	1.00	LAA	9							
D ATRAZINE 90DF (WG)	1.00	LAA	9							
16AEXP31130A	0.094	LAA	9	99	2	98	99	99	99	
B DUAL II (7.8EC)	1.00	LAA	9							
D ATRAZINE 90DF (WG)	1.5	LAA	9							
17AEXP31130A	0.094	LAA	9	99	0	98	98	99	99	
B DUAL II (7.8EC)	1.25	LAA	9							
D ATRAZINE 90DF (WG)	1.00	LAA	9							
18AEXP31130A	0.094	LAA	9	99	0	99	99	99	99	
B DUAL II (7.8EC)	1.25	LAA	9							
D ATRAZINE 90DF (WG)	1.5	LAA	9							
19AEXP31130A	0.094	LAA	9	99	0	99	98	99	99	
B DUAL II (7.8EC)	1.5	LAA	9							
D ATRAZINE 90DF (WG)	1.00	LAA	9							
20AEXP31130A	0.094	LAA	9	99	0	98	99	99	99	
B DUAL II (7.8EC)	1.5	LAA	9							
D ATRAZINE 90DF (WG)	1.5	LAA	9							
21AEXP31130A	0.094	LAA	9	98	0	99	83	92	95	
B SURPASS (6.4EC)	1.00	LAA	9							
22AEXP31130A	0.094	LAA	9	96	0	98	96	98	99	
B SURPASS (6.4EC)	1.2	LAA	9							
23A BICEP II (6SC)	3.6	LAA	9	99	0	99	99	99	99	
24A HAND WEDED	0.00	NA	0	99	0	99	99	99	99	
				LSD (0.05)	8.2	1.7	4.3	10.3	5.2	4.6
				STANDARD DEVIATION	21.8	1.0	19.7	22.2	20.5	20.3

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 07-16-96	ABUTH CON % 07-16-96
1AEXP31130A	0.071	LAA	9	98	98
2AEXP31130A	0.094	LAA	9	99	98
3AEXP31130A	0.12	LAA	9	98	99
4A DUAL II (7.8EC)	1.00	LAA	9	78	40
5A DUAL II (7.8EC)	1.25	LAA	9	68	60
6A DUAL II (7.8EC)	1.5	LAA	9	73	70
7A UNTREATED CHECK	0.00	NA	9	0	0
8A ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
9A ATRAZINE 90DF (WG)	1.5	LAA	9	99	99
10AEXP31130A	0.094	LAA	9	99	98
B DUAL II (7.8EC)	1.00	LAA	9		
11AEXP31130A	0.094	LAA	9	99	96
B DUAL II (7.8EC)	1.25	LAA	9		
12AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.5	LAA	9		
13AEXP31130A	0.094	LAA	9	99	99
B ATRAZINE 90DF (WG)	1.00	LAA	9		
14AEXP31130A	0.094	LAA	9	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	9		
15AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.00	LAA	9		
D ATRAZINE 90DF (WG)	1.00	LAA	9		
16AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.00	LAA	9		
D ATRAZINE 90DF (WG)	1.5	LAA	9		
17AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.25	LAA	9		
D ATRAZINE 90DF (WG)	1.00	LAA	9		
18AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.25	LAA	9		
D ATRAZINE 90DF (WG)	1.5	LAA	9		
19AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.5	LAA	9		
D ATRAZINE 90DF (WG)	1.00	LAA	9		
20AEXP31130A	0.094	LAA	9	99	99
B DUAL II (7.8EC)	1.5	LAA	9		
D ATRAZINE 90DF (WG)	1.5	LAA	9		
21AEXP31130A	0.094	LAA	9	99	99
B SURPASS (6.4EC)	1.00	LAA	9		
22AEXP31130A	0.094	LAA	9	99	98
B SURPASS (6.4EC)	1.2	LAA	9		
23A BICEP II (6SC)	3.6	LAA	9	99	99
24A£HAND WEDED	0.00	NA	0	99	99
	LSD (0.05)			8.3	7.5
	STANDARD DEVIATION			21.4	23.9

£ = SUPPLEMENTAL CHEMICAL

COMMON WATERHEMP CONTROL IN CORN  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-25-96	07-02-96	MDY
AIR TEMPERATURE	85	76	90	½F
% REL. HUMIDITY	50	53	55	
WIND DIRECTION	NORTHEAST	NORTHEAST	SOUTHWEST	
WIND SPEED	3.0	10.0	4.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP *** CORN, DENT DEKALB 592SR 05-23-96	HGH/NA ****/****	HGH/13 5.00/6.00	HGH/14 6.00/8.00	IN
*** PEST *** WATERHEMP, COMMO	HGH/NA ****/****	HGH/16 3.00/4.00	HGH/19 3.00/6.00	IN
RAGWEED, COMMON	HGH/NA ****/****	HGH/14 2.00/3.00	HGH/16 3.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA ****/****	HGH/17 2.00/3.00	HGH/19 3.00/5.00	IN
MORNINGGLORY, TA	HGH/NA ****/****	HGH/14 2.00/2.00	HGH/16 3.00/4.00	IN

## \* TIMING CODES

09 = PRE  
 12 = POST  
 13 = LPOST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMATA	AMBEL	CHEAL	PHBPU	ZEAMD
	RATE	UNIT	TM	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-23-96
1A SURPASS (6.4EC)	2.00	LAA	9	0	62	58	95	91	0
2A SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	0
BELADDOK S12	1.04	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
3A SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	0
BELADDOK S12	1.5	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
4A EXTRAZINE II DF (90WG)	3.00	LAA	9	0	99	99	99	99	0
BELADDOK S12	1.04	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
5A EXTRAZINE II DF (90WG)	3.00	LAA	9	0	99	99	99	99	0
BELADDOK S12	1.5	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	0
B BUSTRIL GEL (4EC)	0.25	LAA	12						
C ATRAZINE 90DF (WG)	0.5	LAA	12						
8A EXTRAZINE II DF (90WG)	3.00	LAA	9	0	99	99	99	99	0
B BUSTRIL GEL (4EC)	0.25	LAA	12						
C ATRAZINE 90DF (WG)	0.5	LAA	12						
9AELADDOK S12	1.04	LAA	12	0	98	99	99	99	0
B FERTILIZER - 28%UAN	2.5	PMV	12						
C POAST PLUS (1EC)	0.188	LAA	13						
DECOC	1.25	PMV	13						
10AELADDOK S12	1.5	LAA	12	0	96	96	99	99	0
B FERTILIZER - 28%UAN	2.5	PMV	12						
C POAST PLUS (1EC)	0.188	LAA	13						
DECOC	1.25	PMV	13						
11AELADDOK S12	1.04	LAA	12	0	96	95	99	99	0
B BANVEL (4SL)	0.125	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
EECOC	1.25	PMV	13						
12AELADDOK S12	1.04	LAA	12	0	96	99	99	99	0
B BANVEL (4SL)	0.25	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
EECOC	1.25	PMV	13						
13AELADDOK S12	1.04	LAA	12	0	98	96	99	99	0
BE2,4-D LVE	0.125	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
EECOC	1.25	PMV	13						
14AELADDOK S12	1.04	LAA	12	0	98	99	99	99	0
BE2,4-D LVE	0.25	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
EECOC	1.25	PMV	13						
15AELADDOK S12	1.04	LAA	12	0	99	99	99	99	0
BETOUGH 5EC	0.46	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
EECOC	1.25	PMV	13						
16AELADDOK S12	1.04	LAA	12	0	95	98	99	99	0
B ATRAZINE 90DF (WG)	0.5	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
EECOC	1.25	PMV	13						

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	AMATA	AMBEL	CHEAL	PHBPU	ZEAMD
	RATE	UNIT	TM	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-02-96	CON % 07-23-96
17AELADDOK S12	1.04	LAA	12	0	98	98	99	96	0
B SENCOR DF (75WG)	0.094	LAA	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
D POAST PLUS (1EC)	0.188	LAA	13						
E ECOC	1.25	PMV	13						
18A MARKSMAN (3.2SC)	1.4	LAA	12	0	96	98	99	99	0
B POAST PLUS (1EC)	0.188	LAA	13						
C ECOC	1.25	PMV	13						
			LSD (0.05)	0.0	4.1	4.3	1.8	3.4	0.0
			STANDARD DEVIATION	0.0	23.5	23.9	22.7	22.7	0.0

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMATA	AMBEL	CHEAL	PHBPU
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1A SURPASS (6.4EC)	2.00	LAA	9	63	75	99	92
2A SURPASS (6.4EC)	2.00	LAA	9	99	99	99	99
BELADDOK S12	1.04	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
3A SURPASS (6.4EC)	2.00	LAA	9	99	99	99	99
BELADDOK S12	1.5	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
4A EXTRAZINE II DF (90WG)	3.00	LAA	9	99	99	99	99
BELADDOK S12	1.04	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
5A EXTRAZINE II DF (90WG)	3.00	LAA	9	99	99	99	99
BELADDOK S12	1.5	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0
7A SURPASS (6.4EC)	2.00	LAA	9	99	98	99	99
B BUCTRIL GEL (4EC)	0.25	LAA	12				
C ATRAZINE 90DF (WG)	0.5	LAA	12				
8A EXTRAZINE II DF (90WG)	3.00	LAA	9	99	99	99	98
B BUCTRIL GEL (4EC)	0.25	LAA	12				
C ATRAZINE 90DF (WG)	0.5	LAA	12				
9AELADDOK S12	1.04	LAA	12	98	99	99	98
B FERTILIZER - 28%UAN	2.5	PMV	12				
C POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
10AELADDOK S12	1.5	LAA	12	99	99	99	99
B FERTILIZER - 28%UAN	2.5	PMV	12				
C POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
11AELADDOK S12	1.04	LAA	12	99	99	99	98
B BANVEL (4SL)	0.125	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
12AELADDOK S12	1.04	LAA	12	99	99	99	99
B BANVEL (4SL)	0.25	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
13AELADDOK S12	1.04	LAA	12	99	99	99	99
B E2,4-D LVE	0.125	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
14AELADDOK S12	1.04	LAA	12	99	99	99	98
B E2,4-D LVE	0.25	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
15AELADDOK S12	1.04	LAA	12	99	99	99	99
B ETOUGH 5EC	0.46	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
16AELADDOK S12	1.04	LAA	12	99	99	99	99
B ATRAZINE 90DF (WG)	0.5	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				

TRT COMPOUND NUM TESTED	DOSAGE		TM	AMATA	AMBEL	CHEAL	PHBPU
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
17AELADDOK S12	1.04	LAA	12	99	99	99	99
B SENCOR DF (75WG)	0.094	LAA	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
D POAST PLUS (1EC)	0.188	LAA	13				
E ECOC	1.25	PMV	13				
18A MARKSMAN (3.2SC)	1.4	LAA	12	99	99	99	99
B POAST PLUS (1EC)	0.188	LAA	13				
C ECOC	1.25	PMV	13				
				LSD (0.05) 5.0	2.1	0.0	1.9
				STANDARD DEVIATION 23.8	23.0	22.7	22.6

£ = SUPPLEMENTAL CHEMICAL



SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	84	85	1/2 F
% REL.HUMIDITY	75	50	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/13	
PIONEER 3163	3.00/4.00	4.00/5.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/12	HGH/14	
	1.00/1.00	2.00/2.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/15	
	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	2.00/3.00	3.00/4.00	IN

\* TIMING CODES

11 = EPOST  
 12 = POST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT COMPOUND NUM TESTED	DOSAGE		UNIT	TM	ZEAMD CON % 06-27-96	CHEAL CON % 06-27-96	AMBEL CON % 06-27-96	AMATA CON % 06-27-96	ZEAMD CON % 07-23-96
	RATE								
1AERESOURCE BECOC	0.027 0.5	LAA PMV	11 11		0	67	67	77	8
2AERESOURCE BECOC	0.04 0.5	LAA PMV	11 11		0	75	92	88	7
3AERESOURCE BECOC	0.054 0.5	LAA PMV	11 11		0	85	98	98	8
4AERESOURCE B ATRAZINE 90DF (WG) CECOC	0.027 0.5 0.5	LAA LAA PMV	11 11 11		0	99	99	99	7
5AERESOURCE B ACCENT (75WG) CECOC	0.027 0.031 0.5	LAA LAA PMV	11 11 11		0	85	90	93	5
6AERESOURCE B BANVEL 4S (SL)	0.027 0.25	LAA LAA	11 11		0	95	99	99	10
7AERESOURCE BE2,4-D LVE	0.027 0.25	LAA LAA	11 11		0	96	99	96	10
8AERESOURCE B ATRAZINE 90DF (WG) C ACCENT (75WG) DECOC	0.027 0.5 0.031 0.5	LAA LAA LAA PMV	11 11 11 11		0	99	99	99	5
9AERESOURCE B BEACON (75WG) CECOC D FERTILIZER - 28%UAN	0.027 0.018 0.5 2.5	LAA LAA PMV PMV	11 11 11 11		0	82	94	99	7
10AERESOURCE B CLARITY (4SL) CEACTIVATE PLUS	0.027 0.25 0.25	LAA LAA PMV	11 11 11		0	90	99	99	7
11AERESOURCE B ACCENT (75WG) C BEACON (75WG) DECOC E FERTILIZER - 28%UAN	0.027 0.016 0.018 0.5 2.5	LAA LAA LAA PMV PMV	11 11 11 11 12		0	93	99	99	7
12AERESOURCE B MARKSMAN (3.2SC)	0.027 0.8	LAA LAA	11 11		0	99	99	99	8
13AERESOURCE B CLARITY (4SL) C ACCENT (75WG) EEACTIVATE PLUS	0.027 0.125 0.031 0.25	LAA LAA LAA PMV	11 11 11 11		0	90	99	90	5
14A MARKSMAN (3.2SC)	1.4	LAA	11		0	98	99	93	7
15AERESOURCE II 0.86EC BECOC	0.027 1.00	LAA PMV	12 12		0	77	70	70	8
16A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0
		LSD (0.05)			0.0	9.5	5.8	9.0	4.0
		STANDARD DEVIATION			0.0	23.9	24.9	24.5	3.1

TRT COMPOUND NUM TESTED	DOSAGE		TM	CHEAL	AMBEL	AMATA
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96
1AÆRESOURCE BÆCOC	0.027 0.5	LAA PMV	11 11	73	94	94
2AÆRESOURCE BÆCOC	0.04 0.5	LAA PMV	11 11	85	95	95
3AÆRESOURCE BÆCOC	0.054 0.5	LAA PMV	11 11	94	95	96
4AÆRESOURCE B ATRAZINE 90DF (WG) CÆCOC	0.027 0.5 0.5	LAA LAA PMV	11 11 11	98	97	98
5AÆRESOURCE B ACCENT (75WG) CÆCOC	0.027 0.031 0.5	LAA LAA PMV	11 11 11	94	98	98
6AÆRESOURCE B BANVEL 4S (SL)	0.027 0.25	LAA LAA	11 11	98	98	98
7AÆRESOURCE BÆ2,4-D LVE	0.027 0.25	LAA LAA	11 11	99	99	98
8AÆRESOURCE B ATRAZINE 90DF (WG) C ACCENT (75WG) DÆCOC	0.027 0.5 0.031 0.5	LAA LAA LAA PMV	11 11 11 11	98	94	99
9AÆRESOURCE B BEACON (75WG) CÆCOC D FERTILIZER - 28%UAN	0.027 0.018 0.5 2.5	LAA LAA PMV PMV	11 11 11 11	96	99	98
10AÆRESOURCE B CLARITY (4SL) CÆACTIVATE PLUS	0.027 0.25 0.25	LAA LAA PMV	11 11 11	97	99	99
11AÆRESOURCE B ACCENT (75WG) C BEACON (75WG) DÆCOC E FERTILIZER - 28%UAN	0.027 0.016 0.018 0.5 2.5	LAA LAA LAA PMV PMV	11 11 11 11 12	88	99	97
12AÆRESOURCE E MARKSMAN (3.2SC)	0.027 0.8	LAA LAA	11 11	99	99	99
13AÆRESOURCE B CLARITY (4SL) C ACCENT (75WG) EÆACTIVATE PLUS	0.027 0.125 0.031 0.25	LAA LAA LAA PMV	11 11 11 11	82	98	96
14A MARKSMAN (3.2SC)	1.4	LAA	11	98	96	98
15AÆRESOURCE II 0.86EC BÆCOC	0.027 1.00	LAA PMV	12 12	82	95	96
16A UNTREATED CHECK	0.00	NA	0	0	0	0
		LSD (0.05)		6.6	6.0	4.2
		STANDARD DEVIATION		23.8	23.8	23.7

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	85	85	½F
% REL.HUMIDITY	87	50	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/	MINMAXSZ	
*** CROP ***			
CORN, DENT	HGH/12	HGH/13	
DEKALB 592SR	3.00/4.00	5.00/6.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/12	HGH/14	
	1.00/1.00	2.00/2.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/2.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/15	
	1.00/1.00	2.00/3.00	IN
MORNINGGLORY, IV	HGH/10	HGH/12	
	1.00/1.00	1.00/2.00	IN
COCKLEBUR, COMMO	HGH/11	HGH/12	
	1.00/1.00	2.00/2.00	IN

## \* TIMING CODES

11 = EPOST  
12 = POST

## \* STAGE CODE

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)  
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED



TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	CHEAL	AMBEL	XANST	AMATA	IPOHE	
	RATE	UNIT		CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	CON % 07-23-96	
1A BUSTRIL GEL (4EC)	0.25	LAA	12	3	99	98	88	47	82	
2A BUSTRIL GEL (4EC)	0.25	LAA	12	5	99	99	99	99	85	
B ATRAZINE 90DF (WG)	0.5	LAA	12							
3A BUSTRIL GEL (4EC)	0.188	LAA	12	7	99	99	99	99	92	
B EXCEED	0.008	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
4A BUSTRIL GEL (4EC)	0.188	LAA	12	0	99	99	99	99	95	
B EXCEED	0.016	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
5A BUSTRIL GEL (4EC)	0.25	LAA	12	2	99	99	99	96	90	
B EXCEED	0.008	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
6A BUSTRIL GEL (4EC)	0.25	LAA	12	8	99	99	99	99	98	
B EXCEED	0.016	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
7A BUSTRIL GEL (4EC)	0.188	LAA	12	0	99	99	99	93	85	
B PERMIT	0.008	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
8A BUSTRIL GEL (4EC)	0.188	LAA	12	2	99	99	99	87	88	
B PERMIT	0.016	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
9A BUSTRIL GEL (4EC)	0.25	LAA	12	10	88	92	94	88	72	
B PERMIT	0.008	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
10A BUSTRIL GEL (4EC)	0.25	LAA	12	7	90	93	99	77	72	
B PERMIT	0.016	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
11A SENCOR DF (75WG)	0.094	LAA	11	0	99	99	96	98	96	
B WEEDONE 638 (2.8EC)	0.18	LAA	11							
12A SENCOR DF (75WG)	0.094	LAA	11	2	99	99	95	99	95	
B MARKSMAN (3.2SC)	0.8	LAA	11							
13A SENCOR DF (75WG)	0.094	LAA	11	0	99	99	99	99	96	
B CLARITY (4SL)	0.5	LAA	11							
14A SENCOR DF (75WG)	0.094	LAA	12	2	99	98	99	98	88	
B LADDOK S-12 (5SC)	0.83	LAA	12							
C FERTILIZER - 28%UAN	2.00	PMV	12							
15A SENCOR DF (75WG)	0.094	LAA	12	2	99	99	99	98	87	
B BUSTRIL GEL (4EC)	0.25	LAA	12							
16A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	6.2	2.4	2.3	8.4	5.7	8.4
				STANDARD DEVIATION	4.6	23.9	23.8	24.1	25.9	23.0

£ = SUPPLEMENTAL CHEMICAL

SHATTERCANE CONTROL IN SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 4  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-21-96	06-20-96	MDY
AIR TEMPERATURE	83	85	½F
% REL.HUMIDITY	55	50	
WIND DIRECTION	SOUTHWEST	NORTHEAST	
WIND SPEED	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
DEKALB 469C	****/****	5.00/6.00	IN
05-21-96			
*** PEST ***			
SHATTERCANE, SOR	HGH/NA	HGH/15	
	****/****	6.00/6.00	IN

## \* TIMING CODES

09 = PRE  
 12 = POST

## \* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SORVU	GLXMA	SORVU	GLXMA	SORVU
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
				06-20-96	06-20-96	06-27-96	06-27-96	07-03-96	07-03-96
1A PURSUIT (2SL)	0.063	LAA	12	0	0	3	90	3	95
BESUNIT II	1.00	PMV	12						
C FERTILIZER - 28%JAN	4.00	PMV	12						
2A PURSUIT (2SL)	0.063	LAA	12	0	0	3	91	0	96
BESUNIT II	1.00	PMV	12						
C FERTILIZER - 28%JAN	4.00	PMV	12						
3A PROWL 3.3EC	1.00	LAA	9	5	89	5	98	0	99
B PURSUIT (2SL)	0.063	LAA	12						
CESUNIT II	1.00	PMV	12						
D FERTILIZER - 28%JAN	4.00	PMV	12						
4A PURSUIT (2SL)	0.063	LAA	12	0	0	4	91	0	96
BESUNIT II	1.00	PMV	12						
C FERTILIZER - 28%JAN	4.00	PMV	12						
5A PURSUIT (2SL)	0.063	LAA	12	0	0	5	91	0	95
BESUNIT II	1.00	PMV	12						
C FERTILIZER - 28%JAN	4.00	PMV	12						
6A FUSILADE DX (2EC)	0.187	LAA	12	0	0	0	96	0	96
BECOC	1.00	PMV	12						
7A FUSILADE DX (2EC)	0.187	LAA	12	0	0	0	93	0	98
BECOC	1.00	PMV	12						
8A FUSILADE DX (2EC)	0.187	LAA	12	0	0	3	94	0	97
BECOC	1.00	PMV	12						
9A PROWL 3.3EC	1.00	LAA	9	0	90	0	90	0	83
10A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
				LSD (0.05)	4.6	2.2	5.9	3.7	2.3
				STANDARD DEVIATION	3.1	35.8	5.3	28.0	1.6
									3.0
									28.8

£ = SUPPLEMENTAL CHEMICAL



WEED CONTROL IN ROUNDUP-READY SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-17-96	06-21-96	MDY
AIR TEMPERATURE	85	88	88	½F
% REL. HUMIDITY	50	65	75	
WIND DIRECTION	NORTHEAST	SOUTH	WEST	
WIND SPEED	3.0	10.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
RRS AG3001	****/****	3.00/4.00	4.00/5.00	IN
05-23-96				
*** PEST ***				
WATERHEMP, COMMO	HGH/NA	HGH/11	HGH/12	
	****/****	0.50/1.00	1.00/2.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/13	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	1.00/3.00	2.00/5.00	IN

## \* TIMING CODES

09 = PRE  
11 = EPOST  
12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE





TRT COMPOUND NUM TESTED	DOSAGE			DIGSA	POLPY	AMATA
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
1A SQUADRON (2.33EC)	0.875	LAA	9	70	90	99
2A SQUADRON (2.33EC)	0.875	LAA	9	96	99	99
B ROUNDUP ULTRA	0.38	LAA	12			
3A £DETAIL	1.03	LAA	9	57	99	99
4A £DETAIL	1.03	LAA	9	95	99	99
B ROUNDUP ULTRA	0.38	LAA	12			
5A £DETAIL	1.03	LAA	11	99	99	98
B ROUNDUP ULTRA	0.38	LAA	11			
6A £STEEL CP	0.00	LAA	9	95	99	99
B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9			
C SCEPTER 70DG (WG)	0.063	LAA	9			
7A £STEEL CP	0.00	LAA	9	98	99	99
B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9			
C SCEPTER 70DG (WG)	0.063	LAA	9			
D ROUNDUP ULTRA	0.38	LAA	12			
8A SCEPTER 70DG (WG)	0.125	LAA	9	91	99	98
B ROUNDUP ULTRA	0.38	LAA	12			
9A PURSUIT PLUS EC (2.9EC)	0.91	LAA	9	90	96	99
10A PURSUIT PLUS (2.9EC)	0.91	LAA	9	97	99	99
B ROUNDUP ULTRA	0.38	LAA	12			
11A PROWL 3.3EC	1.25	LAA	9	96	99	98
B ROUNDUP ULTRA	0.38	LAA	12			
12A £AUTHORITY	0.313	LAA	9	90	99	99
B ROUNDUP ULTRA	0.56	LAA	12			
13A £AUTHORITY	0.313	LAA	9	85	99	99
B SENCOR DF (75WG)	0.188	LAA	9			
C ROUNDUP ULTRA	0.56	LAA	12			
14A £AUTHORITY	0.375	LAA	9	90	99	98
B SENCOR DF (75WG)	0.225	LAA	9			
C ROUNDUP ULTRA	0.38	LAA	12			
15A £AUTHORITY	0.2	LAA	9	96	99	99
B EF6025	0.04	LAA	9			
C ROUNDUP ULTRA	0.56	LAA	12			
16A £AUTHORITY	0.26	LAA	9	97	99	99
B EF6025	0.052	LAA	9			
C ROUNDUP ULTRA	0.38	LAA	12			
17A ROUNDUP ULTRA	0.56	LAA	12	98	90	96
18A ROUNDUP ULTRA	0.75	LAA	12	96	99	82
19A ROUNDUP ULTRA	0.56	LAA	11	93	99	93
B ROUNDUP ULTRA	0.38	LAA	12			
20A UNTREATED CHECK	0.00	NA	0	0	0	0
				LSD (0.05)		
				10.2	4.2	3.4
				STANDARD DEVIATION	21.6	21.6

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-31-96	05-31-96	06-19-96	06-25-96	MDY
AIR TEMPERATURE	72	72	86	87	½F
% REL. HUMIDITY	85	85	88	90	
WIND DIRECTION	SOUTH	SOUTH	SOUTH	SOUTH	
WIND SPEED	2.0	2.0	4.0	0.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/11	HGH/12	
PIONEER 9392	****/****	****/****	3.00/4.00	5.00/6.00	IN
05-31-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/13	HGH/15	
	****/****	****/****	2.00/2.00	3.00/4.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/NA	HGH/16	HGH/18	
	****/****	****/****	2.00/4.00	2.00/5.00	IN
RAGWEED, COMMON	HGH/NA	HGH/NA	HGH/12	HGH/14	
	****/****	****/****	2.00/2.00	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/15	HGH/17	
	****/****	****/****	1.00/2.00	2.00/3.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/NA	HGH/13	HGH/15	
	****/****	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/12	HGH/13	
	****/****	****/****	1.00/3.00	2.00/4.00	IN

\* TIMING CODES

07 = PPI

APPLICATIONS

\* TIMING CODES

09 = PRE  
11 = EPOST  
12 = POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			TM	GLXMA	SETFA	AMBEL	CHEAL	AMATA	PHBPU
	RATE	UNIT			CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96
1A TREFLAN EC (4EC)	1.00	LAA	7		17	94	82	90	93	85
BEEPERT	0.07	LAA	12							
CDEACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
2A TREFLAN EC (4EC)	1.00	LAA	7		23	88	87	96	95	92
BEEPERT	0.06	LAA	12							
CDEACTION	0.0035	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
3A DUAL II (7.8EC)	2.00	LAA	9		12	96	82	93	95	82
BEEPERT	0.07	LAA	12							
CDEACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
4A UNTREATED CHECK	0.00	NA	0		0	0	0	0	0	0
5A DUAL II (7.8EC)	2.00	LAA	9		13	97	87	98	98	96
BEEPERT	0.06	LAA	12							
CDEACTION	0.0035	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
6A TURBO 8EC	2.25	LAA	9		3	98	96	98	97	80
BEEPERT	0.07	LAA	12							
CDEACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
7A TURBO 8EC	2.25	LAA	9		13	99	96	99	99	96
BEEPERT	0.06	LAA	12							
CDEACTION	0.0035	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
8A ASSURE II (0.88EC)	0.055	LAA	11		3	96	75	80	87	78
BDEACTIVATE PLUS	0.25	PMV	11							
CDEEPERT	0.07	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
9A ASSURE II (0.88EC)	0.055	LAA	12		12	82	75	80	90	77
BEEPERT	0.06	LAA	12							
CDEACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
10A ASSURE II (0.88EC)	0.055	LAA	12		20	80	82	93	95	87
BEEPERT	0.06	LAA	12							
CDEACTION	0.0035	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
11A TURBO 8EC	2.25	LAA	9		0	97	85	96	96	63
12A DUAL II (7.8EC)	2.00	LAA	9		28	98	82	97	97	82
BEEPERT	0.07	LAA	12							
C PINNACLE (25WG)	0.004	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
13A DUAL II (7.8EC)	2.00	LAA	9		30	99	93	99	99	95
BEEPERT	0.06	LAA	12							
CDEACTION	0.0035	LAA	12							
D PINNACLE (25WG)	0.004	LAA	12							
EDEACTIVATE PLUS	0.25	PMV	12							
F FERTILIZER - 28%UAN	2.5	PMV	12							
14A PROWL 3.3EC	1.25	LAA	9		28	97	67	96	96	82
B PURSUIT (2SL)	0.063	LAA	12							
CDEACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
15A PROWL 3.3EC	1.25	LAA	9		32	96	77	96	95	88
B PURSUIT (2SL)	0.063	LAA	12							
C PINNACLE (25WG)	0.002	LAA	12							
DDEACTIVATE PLUS	0.25	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	AMBEL	CHEAL	AMATA	PHBPU
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96
16AEHAND WEDED	0.00	NA	0	0	99	99	99	99	99
				LSD (0.05) 7.6	6.0	6.0	7.2	3.5	8.0
				STANDARD DEVIATION 11.6	23.7	22.3	23.8	23.4	22.8



TRT COMPOUND NUM TESTED	DOSAGE			ABUTH	GLXMA	SETFA	AMBEL	CHEAL	AMATA
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96
1A TREFLAN EC (4EC)	1.00	LAA	7	90	13	88	92	92	93
BEXPERT	0.07	LAA	12						
CDEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
2A TREFLAN EC (4EC)	1.00	LAA	7	95	13	78	70	92	92
BEXPERT	0.06	LAA	12						
CDEACTION	0.0035	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
3A DUAL II (7.8EC)	2.00	LAA	9	93	3	95	90	95	95
BEXPERT	0.07	LAA	12						
CDEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A DUAL II (7.8EC)	2.00	LAA	9	97	8	95	82	95	95
BEXPERT	0.06	LAA	12						
CDEACTION	0.0035	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
6A TURBO 8EC	2.25	LAA	9	96	0	99	99	99	99
BEXPERT	0.07	LAA	12						
CDEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
7A TURBO 8EC	2.25	LAA	9	99	13	99	93	99	99
BEXPERT	0.06	LAA	12						
CDEACTION	0.0035	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
8A ASSURE II (0.88EC)	0.055	LAA	11	90	0	96	90	88	96
BDEACTIVATE PLUS	0.25	PMV	11						
CDEEXPERT	0.07	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
9A ASSURE II (0.88EC)	0.055	LAA	12	83	3	78	88	93	95
BEXPERT	0.06	LAA	12						
CDEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
10A ASSURE II (0.88EC)	0.055	LAA	12	95	7	63	82	92	92
BEXPERT	0.06	LAA	12						
CDEACTION	0.0035	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
11A TURBO 8EC	2.25	LAA	9	92	0	95	78	90	90
12A DUAL II (7.8EC)	2.00	LAA	9	96	18	98	90	97	97
BEXPERT	0.07	LAA	12						
C PINNACLE (25WG)	0.004	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A DUAL II (7.8EC)	2.00	LAA	9	98	23	96	93	96	96
BEXPERT	0.06	LAA	12						
CDEACTION	0.0035	LAA	12						
D PINNACLE (25WG)	0.004	LAA	12						
EDEACTIVATE PLUS	0.25	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
14A PROWL 3.3EC	1.25	LAA	9	96	25	92	80	93	93
B PURSUIT (2SL)	0.063	LAA	12						
CDEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
15A PROWL 3.3EC	1.25	LAA	9	95	28	93	83	97	96
B PURSUIT (2SL)	0.063	LAA	12						
C PINNACLE (25WG)	0.002	LAA	12						
DDEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE			ABUTH	GLXMA	SETFA	AMBEL	CHEAL	AMATA
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96	CON % 07-11-96
16AEHAND WEDED	0.00	NA	0	99	0	99	99	99	99
				LSD (0.05) 3.2	11.6	8.1	6.2	5.1	3.0
				STANDARD DEVIATION 23.2	11.0	24.3	22.6	23.2	23.2

TRT COMPOUND NUM TESTED	DOSAGE			PHBPU CON % 07-11-96	ABUTH CON % 07-11-96	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	AMBEL CON % 07-19-96	CHEAL CON % 07-19-96
	RATE	UNIT	TM						
1A TREFLAN EC (4EC)	1.00	LAA	7	92	93	8	92	90	88
BEEPERT	0.07	LAA	12						
CEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
2A TREFLAN EC (4EC)	1.00	LAA	7	92	93	7	82	73	96
BEEPERT	0.06	LAA	12						
CEACTION	0.0035	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
3A DUAL II (7.8EC)	2.00	LAA	9	92	95	7	96	92	90
BEEPERT	0.07	LAA	12						
CEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A DUAL II (7.8EC)	2.00	LAA	9	93	95	5	96	83	97
BEEPERT	0.06	LAA	12						
CEACTION	0.0035	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
6A TURBO 8EC	2.25	LAA	9	90	97	5	97	99	99
BEEPERT	0.07	LAA	12						
CEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
7A TURBO 8EC	2.25	LAA	9	98	99	8	98	96	99
BEEPERT	0.06	LAA	12						
CEACTION	0.0035	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
8A ASSURE II (0.88EC)	0.055	LAA	11	88	96	5	97	95	82
BEACTIVATE PLUS	0.25	PMV	11						
CEEXPERT	0.07	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
9A ASSURE II (0.88EC)	0.055	LAA	12	90	90	10	53	90	87
BEEPERT	0.06	LAA	12						
CEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
10A ASSURE II (0.88EC)	0.055	LAA	12	92	93	8	27	72	96
BEEPERT	0.06	LAA	12						
CEACTION	0.0035	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
11A TURBO 8EC	2.25	LAA	9	47	90	7	97	65	98
12A DUAL II (7.8EC)	2.00	LAA	9	93	97	15	96	92	98
BEEPERT	0.07	LAA	12						
C PINNACLE (25WG)	0.004	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A DUAL II (7.8EC)	2.00	LAA	9	96	96	20	96	85	98
BEEPERT	0.06	LAA	12						
CEACTION	0.0035	LAA	12						
D PINNACLE (25WG)	0.004	LAA	12						
EEACTIVATE PLUS	0.25	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
14A PROWL 3.3EC	1.25	LAA	9	83	93	18	96	80	98
B PURSUIT (2SL)	0.063	LAA	12						
CEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
15A PROWL 3.3EC	1.25	LAA	9	88	96	18	96	85	98
B PURSUIT (2SL)	0.063	LAA	12						
C PINNACLE (25WG)	0.002	LAA	12						
DEACTIVATE PLUS	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE			PHBPU	ABUTH	GLXMA	SETFA	AMBEL	CHEAL
	RATE	UNIT	TM	CON % 07-11-96	CON % 07-11-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
16AEHAND WEEDED	0.00	NA	0	99	99	0	99	99	99
				LSD (0.05) 8.0	3.1	4.5	8.4	9.4	9.1
				STANDARD DEVIATION 24.7	23.2	6.4	28.9	23.5	23.9

TRT COMPOUND NUM TESTED	DOSAGE			AMATA	PHBPU	ABUTH
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
1A TREFLAN EC (4EC)	1.00	LAA	7	96	96	98
BEEPERT	0.07	LAA	12			
CEACTIVATE PLUS	0.25	PMV	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
2A TREFLAN EC (4EC)	1.00	LAA	7	96	95	97
BEEPERT	0.06	LAA	12			
CEACTION	0.0035	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			
3A DUAL II (7.8EC)	2.00	LAA	9	98	95	96
BEEPERT	0.07	LAA	12			
CEACTIVATE PLUS	0.25	PMV	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
4A UNTREATED CHECK	0.00	NA	0	0	0	0
5A DUAL II (7.8EC)	2.00	LAA	9	99	95	98
BEEPERT	0.06	LAA	12			
CEACTION	0.0035	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			
6A TURBO 8EC	2.25	LAA	9	99	91	98
BEEPERT	0.07	LAA	12			
CEACTIVATE PLUS	0.25	PMV	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
7A TURBO 8EC	2.25	LAA	9	99	96	98
BEEPERT	0.06	LAA	12			
CEACTION	0.0035	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			
8A ASSURE II (0.88EC)	0.055	LAA	11	90	92	98
BDEACTIVATE PLUS	0.25	PMV	11			
CEEPERT	0.07	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			
9A ASSURE II (0.88EC)	0.055	LAA	12	92	92	96
BEEPERT	0.06	LAA	12			
CEACTIVATE PLUS	0.25	PMV	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
10A ASSURE II (0.88EC)	0.055	LAA	12	99	95	97
BEEPERT	0.06	LAA	12			
CEACTION	0.0035	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			
11A TURBO 8EC	2.25	LAA	9	98	68	82
12A DUAL II (7.8EC)	2.00	LAA	9	99	95	99
BEEPERT	0.07	LAA	12			
C PINNACLE (25WG)	0.004	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			
13A DUAL II (7.8EC)	2.00	LAA	9	99	95	96
BEEPERT	0.06	LAA	12			
CEACTION	0.0035	LAA	12			
D PINNACLE (25WG)	0.004	LAA	12			
EACTIVATE PLUS	0.25	PMV	12			
F FERTILIZER - 28%UAN	2.5	PMV	12			
14A PROWL 3.3EC	1.25	LAA	9	99	93	98
B PURSUIT (2SL)	0.063	LAA	12			
CEACTIVATE PLUS	0.25	PMV	12			
D FERTILIZER - 28%UAN	2.5	PMV	12			
15A PROWL 3.3EC	1.25	LAA	9	99	93	99
B PURSUIT (2SL)	0.063	LAA	12			
C PINNACLE (25WG)	0.002	LAA	12			
DEACTIVATE PLUS	0.25	PMV	12			
E FERTILIZER - 28%UAN	2.5	PMV	12			

TRT COMPOUND NUM TESTED	DOSAGE			AMATA	PHBPU	ABUTH
	RATE	UNIT	TM	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96
16A€HAND WEDED	0.00	NA	0	99	99	99
			LSD (0.05)	3.3	4.9	2.9
			STANDARD DEVIATION	23.8	23.5	23.8

€ = SUPPLEMENTAL CHEMICAL

IMIS FOR WEED CONTROL IN STS SOYBEANS  
APPLICATIONS

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV. CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-19-96	MDY
AIR TEMPERATURE	85	86	½F
% REL. HUMIDITY	50	72	
WIND DIRECTION	NORTHEAST	SOUTH	
WIND SPEED	3.0	2.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/11	
ASGROW 4045STS	****/****	3.00/4.00	IN
05-23-96			
*** PEST ***			
RAGWEED, COMMON	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/12	
	****/****	1.00/1.00	IN
PANICUM, FALL	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN

## \* TIMING CODES

09 = PREEMERGENCE  
 11 = EPOST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	PANDI	PHBPU	AMBEL	DIGSA	GLXMA	
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-19-96	
1A PROWL 3.3EC	1.24	LAA	9	15	87	95	98	88	7	
B PURSUIT (2SL)	0.063	LAA	11							
C STATUS 2EC	0.156	LAA	11							
D ECOC	1.25	PMV	11							
E FERTILIZER - 28%UAN	1.25	PMV	11							
2A GALAXY (3.67SL)	0.92	LAA	11	10	83	93	98	80	8	
B POAST PLUS (1EC)	0.25	LAA	11							
C ECOC	1.25	PMV	11							
3A ERAPTOR 1AS	0.039	LAA	11	10	72	98	98	78	7	
B STATUS 2EC	0.156	LAA	11							
C ECOC	1.25	PMV	11							
D FERTILIZER - 28%UAN	1.25	PMV	11							
4A CONCERT (25WG)	0.0078	LAA	11	5	78	82	82	70	5	
B ASSURE II (0.88EC)	0.055	LAA	11							
C ECOC	1.25	PMV	11							
D FERTILIZER - 28%UAN	2.5	PMV	11							
5A CLASSIC (25WG)	0.005	LAA	11	10	70	96	98	70	7	
B PINNACLE (25WG)	0.0028	LAA	11							
C COBRA (2EC)	0.063	LAA	11							
D ASSURE II (0.88EC)	0.055	LAA	11							
E ECOC	1.25	PMV	11							
F FERTILIZER - 28%UAN	2.5	PMV	11							
6A CLASSIC (25WG)	0.01	LAA	11	8	78	95	95	80	3	
B PINNACLE (25WG)	0.0034	LAA	11							
C COBRA (2EC)	0.063	LAA	11							
D ASSURE II (0.88EC)	0.055	LAA	11							
E ECOC	1.25	PMV	11							
F FERTILIZER - 28%UAN	2.5	PMV	11							
7A PROWL 3.3EC	1.24	LAA	9	15	82	95	99	85	12	
B PURSUIT (2SL)	0.063	LAA	11							
C PINNACLE (25WG)	0.002	LAA	11							
D STATUS 2EC	0.156	LAA	11							
E ECOC	1.25	PMV	11							
F FERTILIZER - 28%UAN	1.25	PMV	11							
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	4.4	7.3	6.1	4.6	13.3	7.6
				STANDARD DEVIATION	5.1	26.7	31.3	32.0	27.6	5.2



TRT COMPOUND NUM TESTED	DOSAGE		TM	PANDI	PHBPU	AMBEL	DIGSA	
	RATE	UNIT		CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	
1A PROWL 3.3EC	1.24	LAA	9	92	94	91	88	
B PURSUIT (2SL)	0.063	LAA	11					
C ESTATUS 2EC	0.156	LAA	11					
D ECOC	1.25	PMV	11					
E FERTILIZER - 28%UAN	1.25	PMV	11					
2A GALAXY (3.67SL)	0.92	LAA	11	73	95	98	82	
B POAST PLUS (1EC)	0.25	LAA	11					
C ECOC	1.25	PMV	11					
3A ERAPTOR 1AS	0.039	LAA	11	85	98	99	70	
B ESTATUS 2EC	0.156	LAA	11					
C ECOC	1.25	PMV	11					
D FERTILIZER - 28%UAN	1.25	PMV	11					
4A CONCERT (25WG)	0.0078	LAA	11	88	93	97	80	
B ASSURE II (0.88EC)	0.055	LAA	11					
C ECOC	1.25	PMV	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
5A CLASSIC (25WG)	0.005	LAA	11	78	95	95	68	
B PINNACLE (25WG)	0.0028	LAA	11					
C COBRA (2EC)	0.063	LAA	11					
D ASSURE II (0.88EC)	0.055	LAA	11					
E ECOC	1.25	PMV	11					
F FERTILIZER - 28%UAN	2.5	PMV	11					
6A CLASSIC (25WG)	0.01	LAA	11	85	95	93	80	
B PINNACLE (25WG)	0.0034	LAA	11					
C COBRA (2EC)	0.063	LAA	11					
D ASSURE II (0.88EC)	0.055	LAA	11					
E ECOC	1.25	PMV	11					
F FERTILIZER - 28%UAN	2.5	PMV	11					
7A PROWL 3.3EC	1.24	LAA	9	88	93	96	92	
B PURSUIT (2SL)	0.063	LAA	11					
C PINNACLE (25WG)	0.002	LAA	11					
D ESTATUS 2EC	0.156	LAA	11					
E ECOC	1.25	PMV	11					
F FERTILIZER - 28%UAN	1.25	PMV	11					
8A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
				LSD (0.05)	10.4	8.2	7.3	14.2
				STANDARD DEVIATION	28.9	31.6	31.9	28.4

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	05-23-96	MDY
AIR TEMPERATURE	85	½F
% REL.HUMIDITY	50	
WIND DIRECTION	NORTHEAST	
WIND SPEED	3.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
ASGROW 4045STS	****/****	IN
05-23-96		
*** PEST ***		
WATERHEMP, COMMO	HGH/NA	
	****/****	IN

## \* TIMING CODES

12 = POST

## \* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	AMATA	GLXMA	AMATA	
	RATE	UNIT	TM	CON % 07-03-96	CON % 07-03-96	CON % 07-19-96	CON % 07-19-96	
1A SYNCHRONY STS 42DF	0.013	LAA	12	18	99	13	99	
B COBRA (2EC)	0.063	LAA	12					
C ECOC	0.62	PMV	12					
2A SYNCHRONY STS 42DF	0.013	LAA	12	23	99	15	99	
B COBRA (2EC)	0.094	LAA	12					
C ECOC	0.62	PMV	12					
3A SYNCHRONY STS 42DF	0.013	LAA	12	27	99	20	99	
B COBRA (2EC)	0.125	LAA	12					
C ECOC	0.62	PMV	12					
4A SYNCHRONY STS 42DF	0.013	LAA	12	7	99	12	99	
B ECOC	0.62	PMV	12					
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
6A COBRA (2EC)	0.063	LAA	12	13	99	5	99	
B ECOC	0.5	PMV	12					
7A COBRA (2EC)	0.094	LAA	12	23	99	28	99	
B ECOC	0.5	PMV	12					
8A COBRA (2EC)	0.125	LAA	12	20	99	18	99	
B ECOC	0.5	PMV	12					
9A COBRA (2EC)	0.156	LAA	12	33	99	25	99	
B ECOC	0.5	PMV	12					
10A SELECT (2EC)	0.094	LAA	12	7	72	10	70	
B SYNCHRONY STS 42DF	0.013	LAA	12					
C ECOC	0.5	PMV	12					
11A SELECT (2EC)	0.094	LAA	12	18	95	8	98	
B COBRA (2EC)	0.063	LAA	12					
C SYNCHRONY STS 42DF	0.013	LAA	12					
D ECOC	0.5	PMV	12					
12A SELECT (2EC)	0.125	LAA	12	2	78	7	83	
B SYNCHRONY STS 42DF	0.013	LAA	12					
C ECOC	0.5	PMV	12					
13A SELECT (2EC)	0.125	LAA	12	37	99	20	99	
B COBRA (2EC)	0.063	LAA	12					
C SYNCHRONY STS 42DF	0.013	LAA	12					
D ECOC	0.5	PMV	12					
14A SELECT (2EC)	0.094	LAA	12	25	99	12	99	
B COBRA (2EC)	0.063	LAA	12					
C SYNCHRONY STS 42DF	0.013	LAA	12					
D ECOC	0.62	PMV	12					
15A SELECT (2EC)	0.094	LAA	12	33	99	13	99	
B COBRA (2EC)	0.125	LAA	12					
C SYNCHRONY STS 42DF	0.013	LAA	12					
D ECOC	0.62	PMV	12					
				LSD (0.05)	7.3	5.1	10.5	4.9
				STANDARD DEVIATION	11.7	25.2	9.2	25.3

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: \*\*\*  
PLOT WIDTH: 7.5 X 40 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-19-96	06-25-96	MDY
AIR TEMPERATURE	85	84	76	½F
% REL. HUMIDITY	50	60	53	
WIND DIRECTION	NORTHEAST	SOUTHWEST	NORTHEAST	
WIND SPEED	3.0	2.0	10.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY / STAGE / MIN MAX SIZE				
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/13	
ASGROW 4045STS	****/****	3.00/4.00	5.00/6.00	IN
05-23-96				
*** PEST ***				
WATERHEMP, COMMO	HGH/NA	HGH/12	HGH/15	
	****/****	1.00/1.00	2.00/3.00	IN
RAGWEED, COMMON	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	2.00/3.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/11	HGH/12	
	****/****	2.00/2.00	3.00/4.00	IN
MORNINGGLORY, IV	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/1.00	2.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	4.00/6.00	IN

## \* TIMING CODES

09 = PRE  
11 = EPOST  
12 = POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	DIGSA	AMBEL	IPOHE	AMATA	
	RATE	UNIT		CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	CON % 07-03-96	
1A AUTHORITY BEF6025	0.16 0.032	LAA LAA	9 9	10	77	73	82	72	90	
2A AUTHORITY BEF6025	0.2 0.04	LAA LAA	9 9	15	92	88	95	93	95	
3A AUTHORITY BEF6025	0.23 0.046	LAA LAA	9 9	17	92	90	96	94	97	
4A CANOPY (75WG)	0.28	LAA	9	17	80	75	88	83	88	
5A PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	12	85	85	72	83	88	
6A AUTHORITY BEF6025 C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	7	93	92	95	95	96	
7A AUTHORITY BEF6025 CESYNCHRONY STS 42DF DECOC	0.16 0.04 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	13	90	88	95	95	95	
8A PURSUIT DG (70WG) B PINNACLE (25WG) CEACTIVATE PLUS D FERTILIZER - 28%UAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	22	92	93	96	95	96	
9A PURSUIT DG (70WG) B BLAZER (2SL) CESUNIT II D FERTILIZER - 28%UAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	33	92	92	96	93	96	
10A PROWL (4EC) B PURSUIT DG (70WG) CESUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	23	96	97	94	92	97	
11A HAND WEEDED	0.00	NA	0	0	99	99	99	99	99	
12A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	8.2	5.3	6.4	12.2	10.5	4.9
				STANDARD DEVIATION	10.1	25.7	25.8	27.1	26.5	26.4

TRT COMPOUND NUM TESTED	DOSAGE		TM	GLXMA	SETFA	DIGSA	AMBEL	IPOHE	AMATA	
	RATE	UNIT		CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	CON % 07-19-96	
1A AUTHORITY BEF6025	0.16 0.032	LAA LAA	9 9	3	63	70	75	57	90	
2A AUTHORITY BEF6025	0.2 0.04	LAA LAA	9 9	8	80	82	90	90	87	
3A AUTHORITY BEF6025	0.23 0.046	LAA LAA	9 9	8	77	72	85	92	95	
4A CANOPY (75WG)	0.28	LAA	9	12	63	65	88	72	90	
5A PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	5	78	75	63	83	88	
6A AUTHORITY BEF6025 C DUAL II (7.8EC)	0.2 0.04 1.5	LAA LAA LAA	9 9 9	7	87	87	90	95	92	
7A AUTHORITY BEF6025 C SYNCHRONY STS 42DF DECOC	0.16 0.04 0.013 1.00	LAA LAA LAA PMV	9 9 12 12	10	93	92	96	93	96	
8A PURSUIT DG (70WG) B PINNACLE (25WG) C ACTIVATE PLUS D FERTILIZER - 28%UAN	0.063 0.002 0.25 1.25	LAA LAA PMV PMV	11 11 11 11	13	85	82	87	87	87	
9A PURSUIT DG (70WG) B BLAZER (2SL) C SUNIT II D FERTILIZER - 28%UAN	0.063 0.25 0.75 1.25	LAA LAA PMV PMV	11 11 11 11	27	82	83	88	96	96	
10A PROWL (4EC) B PURSUIT DG (70WG) C SUNIT II D FERTILIZER - 28%UAN	1.25 0.063 0.75 1.25	LAA LAA PMV PMV	9 11 11 11	12	92	90	80	92	83	
11A HAND WEEDED	0.00	NA	0	0	99	99	99	99	99	
12A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	8.6	12.0	10.0	15.0	12.4	8.2
				STANDARD DEVIATION	8.1	25.5	25.0	26.3	27.3	25.9

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF FIRST RATE FOR WEED CONTROL IN SOYBEANS APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3  
 LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-31-96	05-31-96	06-26-96	06-28-96	MDY
AIR TEMPERATURE	78	78	86	0	1/2 F
% REL.HUMIDITY	40	40	32	0	
WIND DIRECTION	SOUTH	SOUTH	SOUTHWEST	SOUTHWEST	
WIND SPEED	12.0	12.0	7.0	0.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-31-96				MDY
INC. START	01:30				24H
INC. END	02:00				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/12	HGH/13	
05-31-96	****/****	****/****	4.00/5.00	5.00/6.00	IN
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	2.00/3.00	3.00/4.00	IN
RAGWEED, COMMON	HGH/NA	HGH/NA	HGH/15	HGH/16	
	****/****	****/****	2.00/4.00	3.00/5.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	2.00/3.00	3.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	3.00/4.00	4.00/5.00	IN

\* TIMING CODES  
 07 = PPI  
 09 = PRE  
 12 = POST  
 13 = LPOST

\* STAGE CODE  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMBEL	ABUTH	GLXMA
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-30-96
1A FIRST RATE B TREFLAN EC (4EC)	0.031 1.00	LAA LAA	7 7	0	83	88	99	95	0
2A FIRST RATE B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	7 12 12 12	0	95	90	95	96	0
3A FIRST RATE B BLAZER (2SL) C SELECT (2EC) D ECOC E FERTILIZER - 28%UAN	0.031 0.25 0.094 1.00 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12	8	98	93	99	99	0
4A TREFLAN MTF (4EC) B FIRST RATE C ACTIVATE PLUS D FERTILIZER - 28%UAN	1.00 0.016 0.25 2.5	LAA LAA PMV PMV	7 12 12 12	2	72	77	95	96	0
5A TREFLAN MTF (4EC) B FIRST RATE C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12	10	68	83	98	99	0
6A DUAL II (7.8EC) B FIRST RATE	1.5 0.031	LAA LAA	9 9	0	90	96	99	94	0
7A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE	1.5 0.188 0.031	LAA LAA LAA	9 9 9	2	90	99	98	93	0
8A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE	1.5 0.375 0.031	LAA LAA LAA	9 9 9	0	93	98	99	96	0
9A FIRST RATE B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	9 12 12 12	0	95	90	99	93	0
10A FIRST RATE B SELECT (2EC) C BLAZER (2SL) D ECOC E FERTILIZER - 28%UAN	0.031 0.094 0.25 1.00 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12	7	98	98	98	98	0
11A DUAL II (7.8EC) B FIRST RATE C ACTIVATE PLUS D FERTILIZER - 28%UAN	1.5 0.016 0.25 2.5	LAA LAA PMV PMV	9 12 12 12	2	92	75	92	99	0
12A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.5 0.188 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12	2	90	87	95	98	0
13A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.5 0.375 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12	2	93	95	94	99	0
14A DUAL II (7.8EC) B FIRST RATE C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.5 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12	3	90	80	88	99	0
15A FIRST RATE B ACTIVATE PLUS C FERTILIZER - 28%UAN D SELECT (2EC) F ECOC G FERTILIZER - 28%UAN	0.016 0.25 2.5 0.094 1.00 2.5	LAA PMV PMV LAA PMV PMV	12 12 12 13 13 13	0	85	55	93	98	2



TRT COMPOUND NUM TESTED	DOSAGE			GLXMA	SETFA	CHEAL	AMBEL	ABUTH	GLXMA	
	RATE	UNIT	TM	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-08-96	CON % 07-30-96	
16AEFIRST RATE	0.016	LAA	12	2	87	47	96	98	0	
B SELECT (2EC)	0.094	LAA	12							
C ECOC	1.00	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
17AEFIRST RATE	0.016	LAA	12	8	75	82	99	99	3	
B BLAZER (2SL)	0.25	LAA	12							
C ACTIVATE PLUS	0.25	PMV	12							
D FERTILIZER - 28%UAN	2.5	PMV	12							
E SELECT (2EC)	0.094	LAA	13							
G ECOC	1.00	PMV	13							
H FERTILIZER - 28%UAN	2.5	PMV	13							
18AEFIRST RATE	0.016	LAA	12	8	95	93	99	99	0	
B BLAZER (2SL)	0.25	LAA	12							
C SELECT (2EC)	0.094	LAA	12							
D ECOC	1.00	PMV	12							
E FERTILIZER - 28%UAN	2.5	PMV	12							
19AEHAND WEDED	0.00	NA	0	0	99	99	99	99	0	
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0	
				LSD (0.05)	3.5	6.1	10.4	5.6	5.9	2.4
				STANDARD DEVIATION	3.8	28.1	29.2	21.4	21.5	1.4

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	CHEAL	AMBEL	ABUTH
	RATE	UNIT		CON % 07-30-96	CON % 07-30-96	CON % 07-30-96	CON % 07-30-96
1A FIRST RATE B TREFLAN EC (4EC)	0.031 1.00	LAA LAA	7 7	60	80	80	90
2A FIRST RATE B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	7 12 12 12	87	68	94	83
3A FIRST RATE B BLAZER (2SL) C SELECT (2EC) D ECOC E FERTILIZER - 28%UAN	0.031 0.25 0.094 1.00 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12	83	78	91	93
4A TREFLAN MTF (4EC) B FIRST RATE C ACTIVATE PLUS D FERTILIZER - 28%UAN	1.00 0.016 0.25 2.5	LAA LAA PMV PMV	7 12 12 12	43	67	94	98
5A TREFLAN MTF (4EC) B FIRST RATE C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.00 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	7 12 12 12 12	43	73	83	96
6A DUAL II (7.8EC) B FIRST RATE	1.5 0.031	LAA LAA	9 9	82	88	96	83
7A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE	1.5 0.188 0.031	LAA LAA LAA	9 9 9	80	85	87	77
8A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE	1.5 0.375 0.031	LAA LAA LAA	9 9 9	78	90	95	77
9A FIRST RATE B SELECT (2EC) C ECOC D FERTILIZER - 28%UAN	0.031 0.094 1.00 2.5	LAA LAA PMV PMV	9 12 12 12	82	67	91	68
10A FIRST RATE B SELECT (2EC) C BLAZER (2SL) D ECOC E FERTILIZER - 28%UAN	0.031 0.094 0.25 1.00 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12	73	75	95	99
11A DUAL II (7.8EC) B FIRST RATE C ACTIVATE PLUS D FERTILIZER - 28%UAN	1.5 0.016 0.25 2.5	LAA LAA PMV PMV	9 12 12 12	85	37	93	98
12A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.5 0.188 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12	78	70	96	98
13A DUAL II (7.8EC) B SENCOR DF (75WG) C FIRST RATE D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.5 0.375 0.016 0.25 2.5	LAA LAA LAA PMV PMV	9 9 12 12 12	87	80	98	96
14A DUAL II (7.8EC) B FIRST RATE C BLAZER (2SL) D ACTIVATE PLUS E FERTILIZER - 28%UAN	1.5 0.016 0.25 0.25 2.5	LAA LAA LAA PMV PMV	9 12 12 12 12	78	60	93	98
15A FIRST RATE B ACTIVATE PLUS C FERTILIZER - 28%UAN D SELECT (2EC) F ECOC G FERTILIZER - 28%UAN	0.016 0.25 2.5 0.094 1.00 2.5	LAA PMV PMV LAA PMV PMV	12 12 12 13 13 13	83	33	98	98

TRT COMPOUND NUM TESTED	DOSAGE		TM	SETFA	CHEAL	AMBEL	ABUTH	
	RATE	UNIT		CON % 07-30-96	CON % 07-30-96	CON % 07-30-96	CON % 07-30-96	
16A£FIRST RATE	0.016	LAA	12	95	32	99	99	
B SELECT (2EC)	0.094	LAA	12					
C£COC	1.00	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
17A£FIRST RATE	0.016	LAA	12	88	82	96	98	
B BLAZER (2SL)	0.25	LAA	12					
C£ACTIVATE PLUS	0.25	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
E SELECT (2EC)	0.094	LAA	13					
G£COC	1.00	PMV	13					
H FERTILIZER - 28%UAN	2.5	PMV	13					
18A£FIRST RATE	0.016	LAA	12	87	80	96	96	
B BLAZER (2SL)	0.25	LAA	12					
C SELECT (2EC)	0.094	LAA	12					
D£COC	1.00	PMV	12					
E FERTILIZER - 28%UAN	2.5	PMV	12					
19A£HAND WEEDED	0.00	NA	0	99	99	99	99	
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	
				LSD (0.05)	10.6	17.5	10.4	10.7
				STANDARD DEVIATION	22.8	25.5	21.6	22.5

£ = SUPPLEMENTAL CHEMICAL

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: S  
 PH: 6.5  
 %OM: 0.4  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: \*\*\*  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 3  
 LOCATION: SAND FARM

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-25-96	05-29-96	06-07-96	MDY
AIR TEMPERATURE	64	68	70	1/2 F
% REL.HUMIDITY	70	75	65	
WIND DIRECTION	SOUTHWEST	NORTHWEST	NORTH	
WIND SPEED	5.0	7.0	3.0	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
CORN, DENT	HGH/NA	HGH/13	HGH/15	
PIONEER 3394	****/****	6.00/8.00	10.0/12.0	IN
04-25-96				

\* TIMING CODES

09 = PRE  
 11 = EPOST  
 12 = POST

\* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE			ZEAMD	ZEAMD	ZEAMD
	RATE	UNIT	TM	CON % 06-13-96	CON % 06-20-96	CON % 07-11-96
1A ACCENT (75WG) B DEACTIVATE PLUS C FERTILIZER - 28%UAN	0.031 0.25 5.00	LAA PMV PMV	12 12 12	0	0	0
2A ACCENT (75WG) B BEACON (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	0.016 0.018 0.25 5.00	LAA LAA PMV PMV	12 12 12 12	10	5	0
3A EXCEED B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	0.036 0.016 0.25 5.00	LAA LAA PMV PMV	12 12 12 12	12	5	2
4A BASIS (75WG) B DEACTIVATE PLUS C FERTILIZER - 28%UAN	0.015 0.25 5.00	LAA PMV PMV	11 11 11	13	7	3
5A UNTREATED CHECK	0.00	NA	0	0	0	0
6A EXCEED B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	0.036 0.031 0.25 5.00	LAA LAA PMV PMV	12 12 12 12	10	5	0
7A PERMIT (75WG) B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	0.036 0.031 0.25 5.00	LAA LAA PMV PMV	12 12 12 12	12	8	8
8A ESCORPION III 84.3WG B DEACTIVATE PLUS C FERTILIZER - 28%UAN	0.21 0.25 5.00	LAA PMV PMV	12 12 12	2	0	0
9A ESCORPION III 84.3WG B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	0.21 0.031 0.25 5.00	LAA LAA PMV PMV	12 12 12 12	7	0	0
10A BROADSTRIKE + DUAL (7.67SC) B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	2.4 0.031 0.25 5.00	LAA LAA PMV PMV	9 12 12 12	3	0	0
11A BROADSTRIKE PLUS CORN PRE/PP1	0.26	LAA	11	2	0	0
12A COUNTER 15G INFUR B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	8.00 0.031 0.25 5.00	OMF LAA PMV PMV	0 12 12 12	10	5	3
13A COUNTER 20CR BAND B ACCENT (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	6.00 0.031 0.25 5.00	OMF LAA PMV PMV	0 12 12 12	3	0	0
14A COUNTER 20CR BAND B ACCENT (75WG) C BEACON (75WG) D DEACTIVATE PLUS E FERTILIZER - 28%UAN	6.00 0.016 0.018 0.25 5.00	OMF LAA LAA PMV PMV	0 12 12 12 12	17	10	2
15A COUNTER 20CR BAND B EXCEED C ACCENT (75WG) D DEACTIVATE PLUS E FERTILIZER - 28%UAN	6.00 0.036 0.016 0.25 5.00	OMF LAA LAA PMV PMV	0 12 12 12 12	10	5	0
16A COUNTER 20CR BAND B BASIS (75WG) C DEACTIVATE PLUS D FERTILIZER - 28%UAN	6.00 0.015 0.25 5.00	OMF LAA PMV PMV	0 11 11 11	38	30	27
17A COUNTER 20CR BAND B EXCEED C ACCENT (75WG) D DEACTIVATE PLUS E FERTILIZER - 28%UAN	6.00 0.036 0.031 0.25 5.00	OMF LAA LAA PMV PMV	0 12 12 12 12	10	5	3

TRT COMPOUND NUM TESTED	DOSAGE		TM	ZEAMD	ZEAMD	ZEAMD	
	RATE	UNIT		CON %	CON %	CON %	
				06-13-96	06-20-96	07-11-96	
18AECOUNTER 20CR BAND	6.00	OMF	0	2	0	0	
B PERMIT (75WG)	0.031	LAA	12				
C ACCENT (75WG)	0.031	LAA	12				
DEACTIVATE PLUS	0.25	PMV	12				
E FERTILIZER - 28%UAN	5.00	PMV	12				
19AECOUNTER 20CR BAND	6.00	OMF	0	2	0	0	
B ESCORPION III 84.3WG	0.21	LAA	12				
C DEACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	5.00	PMV	12				
20AECOUNTER 20CR BAND	6.00	OMF	0	2	2	0	
B ESCORPION III 84.3WG	0.21	LAA	12				
C ACCENT (75WG)	0.031	LAA	12				
DEACTIVATE PLUS	0.25	PMV	12				
E FERTILIZER - 28%UAN	5.00	PMV	12				
21AECOUNTER 20CR BAND	6.00	OMF	0	2	2	0	
B BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9				
C ACCENT (75WG)	0.031	LAA	12				
DEACTIVATE PLUS	0.25	PMV	12				
E FERTILIZER - 28%UAN	5.00	PMV	12				
22AECOUNTER 20CR BAND	6.00	OMF	0	0	0	0	
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	11				
23AECOUNTER 15G INFUR	8.00	OMF	0	18	20	18	
B EBASIS	0.015	LAA	11				
C FERTILIZER - 28%UAN	5.00	PMV	11				
24A£HAND WEDED	0.00	NA	0	0	0	0	
				LSD (0.05)	9.1	7.2	6.0
				STANDARD DEVIATION	9.6	7.9	7.0

£ = SUPPLEMENTAL CHEMICAL

## SOIL INFORMATION

TEXTURE: S  
PH: 6.5  
%OM: 0.4  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: \*\*\*  
PLOT WIDTH: 10 X 30 FEET

## TRIAL INFORMATION

DESIGN: RCB  
REPS: 3  
LOCATION: SAND FARM

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-25-96	05-17-96	05-29-96	MDY
AIR TEMPERATURE	68	76	77	½F
% REL. HUMIDITY	70	75	33	
WIND DIRECTION	NORTHWEST	WEST	SOUTH	
WIND SPEED	5.0	7.0	8.0	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
DENSITY /STAGE / MIN MAX SIZE				
*** CROP ***				
CORN, DENT	HGH/NA	HGH/14	HGH/16	
DEKALB 592SR	****/****	5.00/5.00	7.00/8.00	IN
04-25-96				
*** PEST ***				
RAGWEED, COMMON	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	3.00/4.00	IN
SANDBUR, LONGSPI	HGH/NA	HGH/13	HGH/15	
	****/****	3.00/3.00	4.00/5.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/2.00	3.00/3.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	3.00/5.00	IN
NIGHTSHADE, EAST	HGH/NA	HGH/13	HGH/15	
	****/****	2.00/3.00	3.00/4.00	IN
PUNCTUREVINE	HGH/NA	HGH/13	HGH/15	
	****/****	2.00/3.00	3.00/5.00	IN

## \* TIMING CODES

09 = PRE  
11 = EPOST  
12 = POST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
NA = NOT APPLICABLE / NOT AVAILABLE





TRT COMPOUND NUM TESTED	DOSAGE		TM	SOLPT CON % 06-24-96
	RATE	UNIT		
1A PROWL 3.3EC	0.83	LAA	9	43
2A PROWL 3.3EC	1.03	LAA	9	60
3A PROWL 3.3EC	0.83	LAA	9	70
B ACCENT (75WG)	0.023	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
4A PROWL 3.3EC	0.83	LAA	11	80
B ACCENT (75WG)	0.023	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
5A PROWL 3.3EC	0.83	LAA	9	92
B BEACON (75WG)	0.026	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
6A PROWL 3.3EC	0.83	LAA	11	72
B BEACON (75WG)	0.026	LAA	11	
CεACTIVATE PLUS	0.25	PMV	11	
D FERTILIZER - 28%UAN	2.5	PMV	11	
7AεAXIOM	0.55	LAA	9	60
B POAST PLUS (1EC)	0.188	LAA	12	
8A UNTREATED CHECK	0.00	NA	0	0
9A POAST PLUS (1EC)	0.14	LAA	11	0
B POAST PLUS (1EC)	0.14	LAA	12	
10A POAST PLUS (1EC)	0.188	LAA	11	96
B MARKSMAN (3.2SC)	0.8	LAA	11	
11A POAST PLUS (1EC)	0.188	LAA	12	95
B ATRAZINE 90DF (WG)	1.00	LAA	12	
12A POAST PLUS (1EC)	0.188	LAA	11	93
B CLARITY (4SL)	0.5	LAA	11	
13A POAST PLUS (1EC)	0.14	LAA	11	47
B PROWL 3.3EC	0.83	LAA	12	
14AεBASIS	0.016	LAA	11	63
BεCULTIVATE 14DAT	0.00	NA	0	
15A PROWL 3.3EC	0.83	LAA	9	83
B POAST PLUS (1EC)	0.14	LAA	11	
16A POAST PLUS (1EC)	0.14	LAA	12	0
17A POAST PLUS (1EC)	0.188	LAA	12	0
18A PROWL 3.3EC	0.83	LAA	12	73
B POAST PLUS (1EC)	0.14	LAA	12	
19A PROWL 3.3EC	0.83	LAA	12	62
B POAST PLUS (1EC)	0.188	LAA	12	
20A POAST PLUS (1EC)	0.188	LAA	12	85
BεLADDOK S12	1.04	LAA	12	
21A POAST PLUS (1EC)	0.188	LAA	12	72
BεFRONTIER 6.0EC	0.84	LAA	12	
22A POAST PLUS (1EC)	0.188	LAA	12	68
B DUAL II (7.8EC)	1.71	LAA	12	
	LSD (0.05)			18.2
	STANDARD DEVIATION			32.6

ε = SUPPLEMENTAL CHEMICAL

**REPORTS OF THE FOLLOWING INDIVIDUAL STUDIES CAN BE PROVIDED UPON REQUEST.**

URBANA

345 ROUNDUP SURFACTANT STUDY

DEKALB

\*714 WEED CONTROL IN STS SOYBEANS

PONTIAC

\*801 WOOLLY CUPGRASS CONTROL IN POAST COMPATIBLE CORN I

\*802 WOOLLY CUPGRASS CONTROL IN POAST COMPATIBLE CORN I

\*803 WOOLLY CUPGRASS CONTROL IN CORN

\*804 EVALUATION OF EXP31130A FOR WOOLLY CUPGRASS CONTROL IN CORN

\*805 ACCENT ADJUVANT EVALUATION ON WO. CUPGRASS CONTROL IN CORN

GREENVILLE

440 WATERHEMP CONTROL WITH COBRA+SYNCHRONY IN SOYBEANS

442 WATERHEMP CONTROL WITH POSTEMERGENCE COMBO'S IN SOYBEANS

428 WATERHEMP CONTROL WITH EXPERT IN SOYBEANS

BROWNSTOWN

433 ALS OP-INSECTICIDE INTERACTIONS III

434 ALS OP-INSECTICIDE INTERACTIONS IV

436 ALS OP-INSECTICIDE INTERACTIONS WITH COUNTER 20 CR II

404 PREEMERGENCE VS. POSTEMERGENCE GRASS WEED CONTROL

445 PROWL WITH IMI'S AND BLAZER ON CO. WATERHEMP IN SOYS

\*SEVERE ENVIRONMENTAL CONDITIONS LIMITED DATA COLLECTION.

Multi-species evaluation of preemergence herbicide treatments. Baird, Dale L., Matt P. Montgomery, Jeffery C. West, Montie E. Milner, Lyle E. Paul, and Ellery L. Knake. The purpose of this study was to evaluate crop tolerance and herbicide efficacy for herbicides surface-applied preemergence. The study included most all common crops and many of the weeds common to Illinois.

Location :	DeKalb SW800	Soil pH:	6.3	Planting date:	May 3, 1996
Plot size:	10 X 150 ft	Soil type:	Drummer silty clay	Row spacing:	30 inch & 5 ft
Drainage:	Fair		loam		
Organic Matter:	5 to 6%	Slope:	1 to 2%		

Tillage: A mold-board plow was used November 9, 1995 and on April 12, 1996 the area was tilled twice with a mulch finisher that had one set of disk blades, and a four bar field cultivator unit follow by a harrow. The corn and soybeans were planted with a John Deere Max Emerge 2 four row planter using a plateless meter for the corn and bean cups for the soybeans. Wheat and oats were seeded in 7.5 inch rows with a grain drill. All other crops and weeds were seeded with a Brillion seeder. Corn and soybeans were in 30 inch rows with a corn population of 22,000 to 34,000 and a soybean population of approximately 200,000 with some variation according to cultivar and size of seed. The only fertilizer applied for 1996 was 160 lb/A nitrogen as 28% liquid UAN on the corn. Crops and weeds were seeded in a north-south direction and herbicides applied in an east-west direction.

An IHC 274 tractor with a front mounted spray boom and compressed air unit was used spraying at 3 mph with 30 psi and 8004 flat fan nozzle tips to give 25 gpa. Width of spray was 10 feet broadcast with nozzles spaced 20 inches apart and 20 inches above the soil surface. Spray was applied to the soil surface immediately after crops and weeds were seeded. Rain followed soon after herbicide application was completed and moist conditions followed for several weeks.

Ratings were made June 5 for corn, soybeans, wheat, oats, alfalfa, red clover, giant foxtail, yellow foxtail, green foxtail, barnyardgrass, redroot pigweed and velvetleaf. Sorghym, shattercane, fall panicum, waterhemp, giant ragweed, woolly cupgrass, eastern black nightshade, prickly sida, ivyleaf morningglory and jimsonweed were rated June 6. Large crabgrass and common lambsquarters were rated June 16. Common ragweed, ladysthumb smartweed, and hairy nightshade were rated July 12. The smartweed was from a natural infestation. Common waterhemp and hairy nightshade were seeded for the first time this year. The eastern black nightshade was from seeding in previous years. Both the new seeding and weeds from seeding in previous years were considered for many of the weed ratings.

Date of spraying	May 3, 1996
Time:	2:00 - 5:00 PM
Treatment:	Preemergence
Temperature (F)	
air:	55.2 to 59.4
soil (2 inch):	54°
Soil Moisture:	Moist
Wind (mph)	2.6 to 11.4 NE (31 to 80 degrees)
Sky (% overcast):	80%
Relative humidity %	61.7 to 81.1
Rainfall (inch)	
Previous week:	2.44
following week:	1.95

(Dept. of Crop Sciences, University of Illinois, Urbana.)

Table 1. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	IPSA Corn Inbreds							
		12632	16841	11064	11956	16570	16860	16891	18433
		corn injury							
		%	%	%	%	%	%	%	%
	lb/A								
Prowl 3.3EC	3 pt	10	10	10	30	20	10	20	10
Partner 65WDG	4.62 lb	0	0	0	20	20	0	10	0
Dual II 7.8E	2.56 pt	0	10	10	20	10	0	10	0
Magnum 7.62E	1 qt	0	10	10	20	10	0	10	0
Surpass 6.4E	2.5 pt	0	10	10	20	10	0	0	0
Topnotch 3.2 CS	2.5 qt	0	10	10	20	10	0	0	0
Harness 7E	2.25 pt	0	10	10	20	10	0	0	0
Frontier 6E	30 oz	10	10	10	20	10	10	10	10
Bullet 4SC	1 gal	10	10	10	20	20	10	10	0
Bicep II 5.9L	3 qt	0	10	20	20	10	10	10	0
Surpass 100 5L	3 qt	0	10	0	10	10	10	10	0
Harness Xtra 5.6L	2.5 qt	0	10	10	10	10	10	10	0
Check		0	0	0	0	0	0	0	0
Guardsman 5L	5 pt	0	10	10	20	20	10	10	0
Broadstrike+Dual 7.67SC	2.5 pt	0	10	20	20	10	20	10	20
Broadstrike Plus 85.6WG	0.25 lb	0	10	20	20	10	10	10	0
Firstrate 84WG	0.046 lb	0	10	10	10	10	10	10	10
Firstrate 84WG+	0.046 lb+	0	20	20	20	20	20	20	20
Prowl 3.3EC	3 pt								
Pursuit 70 DG	1.44 oz	20	20	30	30	20	20	20	20
Scepter 1.5AS	0.67 pt	30	30	30	40	30	30	30	30
Raptor 1.0AC	5 oz	20	40	40	50	40	40	40	40
Pursuit Plus 2.9E	2.5 pt	30	30	40	70	40	40	40	40
Pursuit 70 DG+	1.44 oz+	30	30	40	60	40	40	40	40
Dual II 7.8E	1.25 pt								
Contour 3.38SC	1.33 pt	30	30	10	40	30	30	30	20
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	50	50	50	70	60	60	50	60
Axiom 68DF	22 oz	20	40	30	50	60	70	60	20
Balance 75WDG	2 oz	20	20	30	40	30	30	30	20
Canopy 75DF	7 oz	50	60	50	70	40	60	70	60
Sencor 75DF	0.5 lb	50	50	50	70	40	60	70	60
Command 4E	1 qt	90	80	80	80	80	80	90	90
Command 3ME	1.33 qt	90	80	80	80	80	80	90	80
Authority 75DF	0.266 lb	60	60	60	70	50	40	50	60
Check		0	0	0	0	0	0	0	0
Authority 75DF	0.416 lb	70	70	70	80	60	50	60	70
Authority 75DF	0.5 lb	80	80	80	90	70	60	70	80
Command 3E+	1.33 qt +	90	80	80	90	80	70	70	90
Authority 75DF	0.5 lb								
Authority 75DF+	0.266 lb +	70	80	80	80	70	70	70	70
F6025 25DF	0.16 lb								
Authority 75DF+	0.35 lb +	80	90	90	90	80	80	80	80
F6025 25DF	0.21 lb								
Pursuit Plus 2.9E+	2.5 pt+	80	80	80	80	80	80	80	80
Authority 75DG	0.35 lb								
Firstrate 84WG+	0.046 lb+	80	80	90	90	80	80	90	80
Authority 75DF	0.35 lb								
AAAtrex 90DG	2.2 lb	0	0	0	0	0	0	0	0
Bladex 90DG	2.2 lb	0	10	0	20	10	0	0	0
AAAtrex 90DG+	1.1 lb+	0	10	0	20	10	0	0	0
Bladex 90DG	3.3 lb								
AAAtrex 90DG+	2.2 lb+	0	10	0	20	10	0	0	0
Bladex 90DG	2.2 lb								
Reflex 2LC	1.5 pt	90	90	80	90	90	80	80	90
Select 2E	8 oz	90	80	90	95	80	80	80	90
Assure II 0.88E	8 oz	80	70	80	90	80	60	70	80
Fusion 2.66E	8 oz	80	70	80	90	80	70	70	80
Poast Plus 1.0E	24 oz	80	70	80	90	80	70	70	80
Exceed 57WG	1.0 oz	20	10	10	20	10	10	10	10



Table 3. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Soybeans			Red			
		Asgrow	Asgrow	Asgrow	Wheat	Oats	Clover	Alfalfa
		A2704 STS	A3322 LL	AG3001 RR	Howell	Ogle	Scarlett	Magnum IV
		crop injury						
	lb/A	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	0	0	0	10	20	60	60
Partner 65WDG	4.62 lb	0	0	0	50	70	85	75
Dual II 7.8E	2.56 pt	0	0	0	60	60	80	70
Magnum 7.62E	1 qt	0	0	0	70	60	80	70
Surpass 6.4E	2.5 pt	30	30	30	80	95	100	80
Topnotch 3.2 CS	2.5 qt	30	30	30	80	90	100	80
Harness 7E	2.25 pt	30	30	30	80	90	100	80
Frontier 6E	30 oz	10	10	10	70	60	90	80
Bullet 4SC	1 gal	80	80	80	80	95	100	100
Bicep II 5.9L	3 qt	80	80	80	80	90	100	100
Surpass 100 5L	3 qt	80	80	80	90	95	100	100
Harness Xtra 5.6L	2.5 qt	80	80	80	90	95	100	100
Check		0	0	0	0	0	0	0
Guardman 5L	5 pt	80	80	80	80	80	100	100
Broadstrike+Dual 7.67SC	2.5 pt	10	10	10	60	40	80	70
Broadstrike Plus 85.6WG	0.25 lb	80	80	80	20	40	100	100
Firstrate 84WG	0.046 lb	0	0	0	40	40	80	80
Firstrate 84WG+	0.046 lb+	0	0	0	50	60	80	80
Prowl 3.3EC	3 pt							
Pursuit 70 DG	1.44 oz	0	0	0	60	80	70	70
Scepter 1.5AS	0.67 pt	0	0	0	50	40	70	70
Raptor 1.0AC	5 oz	0	0	0	60	70	60	70
Pursuit Plus 2.9E	2.5 pt	10	10	10	70	85	70	70
Pursuit 70 DG+	1.44 oz+	0	0	0	60	80	80	80
Dual II 7.8E	1.25 pt							
Contour 3.38SC	1.33 pt	10	10	10	70	85	90	80
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	10	10	10	70	85	80	80
Axiom 68DF	22 oz	20	20	20	60	70	100	100
Balance 75WDG	2 oz	80	80	80	30	30	100	100
Canopy 75DF	7 oz	0	10	10	75	80	100	90
Sencor 75DF	0.5 lb	0	10	10	30	80	100	100
Command 4E	1 qt	0	0	0	90	90	95	100
Command 3ME	1.33 qt	0	0	0	80	80	90	95
Authority 75DF	0.266 lb	10	10	10	10	40	90	100
Check		0	0	0	0	0	0	0
Authority 75DF	0.416 lb	20	20	20	30	60	95	95
Authority 75DF	0.5 lb	30	30	30	40	70	100	100
Command 3E+	1.33 qt+	40	30	40	80	90	100	100
Authority 75DF	0.5 lb							
Authority 75DF+	0.266 lb +	50	30	50	80	80	100	100
F6025 25DF	0.16 lb							
Authority 75DF+	0.35 lb +	90	30	100	85	85	100	100
F6025 25DF	0.21							
Pursuit Plus 2.9E+	2.5 pt +	90	30	80	80	80	100	100
Authority 75DG	0.35 lb							
Firstrate 84WG+	0.046 lb +	90	30	90	70	70	100	100
Authority 75DF	0.35 lb							
AAtrex 90DG	2.2 lb	90	90	90	90	100	100	100
Bladex 90DG	2.2 lb	70	70	70	80	80	100	100
AAtrex 90DG+	1.1 lb+	90	90	90	80	100	100	100
Bladex 90DG	3.3 lb							
AAtrex 90DG+	2.2 lb+	90	90	90	90	100	100	100
Bladex 90DG	2.2 lb							
Reflex 2LC	1.5 pt	20	10	20	70	70	100	100
Select 2E	8 oz	0	0	0	80	90	10	10
Assure II 0.88E	8 oz	0	0	0	50	50	10	10
Fusion 2.66E	8 oz	0	0	0	50	50	10	10
Poast Plus 1.0E	24 oz	0	0	0	50	70	10	10
Exceed 57WG	1.0 oz	80	50	60	80	75	90	90

Table 5. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Rrpw	Colq	Vele	Jiwe	Iimg	Corw	Girw
		control						
	lb/A	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	90	99	10	0	90	0	50
Partner 65WDG	4.62 lb	100	95	20	50	50	10	80
Dual II 7.8E	2.56 pt	100	85	20	50	50	0	80
Magnum 7.62E	1 qt	98	90	30	50	60	0	98
Surpass 6.4E	2.5 pt	100	100	40	100	70	100	98
Topnotch 3.2 CS	2.5 qt	100	99	30	100	60	80	98
Harness 7E	2.25 pt	100	100	30	100	60	80	98
Frontier 6E	30 oz	100	98	20	90	60	70	98
Bullet 4SC	1 gal	100	100	98	100	100	100	98
Bicep II 5.9L	3 qt	100	100	98	90	100	100	98
Surpass 100 5L	3 qt	100	100	99	99	100	100	98
Harness Xtra 5.6L	2.5 qt	100	100	99	100	100	100	98
Check		0	0	0	0	0	0	0
Guardman 5L	5 pt	100	100	99	100	100	100	98
Broadstrike+Dual 7.67SC	2.5 pt	100	100	85	99	70	0	80
Broadstrike Plus 85.6WG	0.25 lb	100	100	85	100	70	100	80
Firstrate 84WG	0.046 lb	100	100	98	50	85	100	95
Firstrate 84WG+	0.046 lb+	100	100	96	50	85	100	90
Prowl 3.3EC	3 pt							
Pursuit 70 DG	1.44 oz	100	100	98	50	70	20	80
Scepter 1.5AS	0.67 pt	100	100	98	50	80	90	80
Raptor 1.0AC	5 oz	100	98	98	50	80	0	20
Pursuit Plus 2.9E	2.5 pt	100	100	99	50	85	20	80
Pursuit 70 DG+	1.44 oz+	100	100	99	50	80	20	80
Dual II 7.8E	1.25 pt							
Contour 3.38SC	1.33 pt	100	100	99	50	80	0	80
Steel (Scepter 1.5 AS +	0.33 pt +	100	100	99	50	85	70	50
Pursuit Plus 2.9E)	2.5 pt							
Axiom 68DF	22 oz	100	100	99	80	80	100	50
Balance 75WDG	2 oz	100	100	100	10	100	100	10
Canopy 75DF	7 oz	100	100	100	100	70	100	90
Sencor 75DF	0.5 lb	100	100	100	50	40	100	80
Command 4E	1 qt	98	100	100	100	10	100	80
Command 3ME	1.33 qt	97	100	100	98	10	100	50
Authority 75DF	0.266 lb	100	100	100	100	99	0	60
Check		0	0	0	0	0	0	0
Authority 75DF	0.416 lb	100	100	100	100	100	0	70
Authority 75DF	0.5 lb	100	100	100	100	100	0	100
Command 3E+	1.33 qt+	100	100	100	100	100	100	90
Authority 75DF	0.5 lb							
Authority 75DF+	0.266 lb+	100	100	100	100	99	100	80
F6025 25DF	0.16 lb							
Authority 75DF+	0.35 lb+	100	100	100	100	100	100	80
F6025 25DF	0.21 lb							
Pursuit Plus 2.9E+	2.5 pt+	100	100	100	100	100	100	70
Authority 75DG	0.35 lb							
Firstrate 84WG+	0.046 lb+	100	100	100	100	100	100	80
Authority 75DF	0.35 lb							
AAtrex 90DG	2.2 lb	100	100	99	99	100	100	95
Bladex 90DG	2.2 lb	100	100	70	99	100	100	95
AAtrex 90DG+	1.1 lb+	100	100	99	100	100	100	95
Bladex 90DG	3.3 lb							
AAtrex 90DG+	2.2 lb+	100	100	100	100	100	100	95
Bladex 90DG	2.2 lb							
Reflex 2LC	1.5 pt	100	100	80	20	85	100	100
Select 2E	8 oz	0	0	0	0	0	0	0
Assure II 0.88E	8 oz	0	0	0	0	0	0	0
Fusion 2.66E	8 oz	0	0	0	0	0	0	0
Poast Plus 1.0E	24 oz	0	0	0	0	0	0	0
Exceed 57WG	1.0 oz	100	100	50	100	80	100	50

Table 4. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Gift	Yeft	Grft	Lacg	Bygr	Wocg	Fapa	Shca
		control							
	lb/A	%	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	90	90	90	99	70	90	90	90
Partner 65WDG	4.62 lb	100	100	100	99	100	100	100	100
Dual II 7.8E	2.56 pt	100	100	100	99	100	100	100	95
Magnum 7.62E	1 qt	100	100	100	100	100	100	100	95
Surpass 6.4E	2.5 pt	100	100	100	100	100	100	100	99
Topnotch 3.2 CS	2.5 qt	100	100	100	100	100	100	100	99
Harness 7E	2.25 pt	100	100	100	100	100	100	100	100
Frontier 6E	30 oz	100	100	100	100	100	100	100	99
Bullet 4SC	1 gal	100	100	100	100	100	100	100	99
Bicep II 5.9L	3 qt	100	100	100	100	100	100	100	99
Surpass 100 5L	3 qt	100	100	100	100	100	100	100	100
Harness Xtra 5.6L	2.5 qt	100	100	100	100	100	100	100	99
Check		0	0	0	0	0	0	0	0
Guardzman 5L	5 pt	100	100	100	100	100	100	100	100
Broadstrike+Dual 7.67SC	2.5 pt	100	100	100	100	100	100	100	99
Broadstrike Plus 85.6WG	0.25 lb	50	50	50	0	0	40	20	90
Firstrate 84WG	0.046 lb	40	40	40	50	70	40	20	97
Firstrate 84WG+	0.046 lb+	70	70	70	80	85	60	90	100
Prowl 3.3EC	3 pt								
Pursuit 70 DG	1.44 oz	80	80	80	90	85	90	95	99
Scepter 1.5AS	0.67 pt	60	60	60	10	70	80	80	85
Raptor 1.0AC	5 oz	70	70	70	0	80	95	90	90
Pursuit Plus 2.9E	2.5 pt	98	98	98	98	100	98	99	100
Pursuit 70 DG+	1.44 oz+	100	100	100	100	100	98	99	99
Dual II 7.8E	1.25 pt								
Contour 3.38SC	1.33 pt	98	98	98	95	98	80	99	95
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	98	98	98	100	100	98	99	99
Axiom 68DF	22 oz	100	100	100	100	100	98	100	100
Balance 75WDG	2 oz	95	95	95	97	100	80	95	99
Canopy 75DF	7 oz	95	95	95	99	100	90	97	99
Sencor 75DF	0.5 lb	95	95	95	100	99	60	97	98
Command 4E	1 qt	100	100	100	100	100	100	100	99
Command 3ME	1.33 qt	97	97	97	100	100	100	100	98
Authority 75DF	0.266 lb	95	95	95	20	90	60	95	96
Check		0	0	0	0	0	0	0	0
Authority 75DF	0.416 lb	100	100	100	70	100	99	98	97
Authority 75DF	0.5 lb	100	100	100	85	100	100	100	98
Command 3E+	1.33 qt+	100	100	100	99	100	100	100	100
Authority 75DF	0.5 lb								
Authority 75DF+	0.266 lb+	90	90	90	99	96	95	99	99
F6025 25DF	0.16 lb								
Authority 75DF+	0.35 lb+	95	95	95	99	100	100	99	100
F6025 25DF	0.21 lb								
Pursuit Plus 2.9E+	2.5 pt+	100	100	100	99	100	100	100	100
Authority 75DG	0.35 lb								
Firstrate 84WG+	0.046 lb+	98	98	98	100	100	100	99	100
Authority 75DF	0.35 lb								
AAtrex 90DG	2.2 lb	99	99	99	95	100	100	99	97
Bladex 90DG	2.2 lb	99	99	99	99	100	100	100	99
AAtrex 90DG+	1.1 lb+	100	100	100	100	100	100	100	100
Bladex 90DG	3.3 lb								
AAtrex 90DG+	2.2 lb+	100	100	100	100	100	100	100	100
Bladex 90DG	2.2 lb								
Reflex 2LC	1.5 pt	99	99	99	100	80	100	100	100
Select 2E	8 oz	97	97	97	95	100	80	90	90
Assure II 0.88E	8 oz	30	30	30	95	40	50	50	70
Fusion 2.66E	8 oz	40	40	40	95	80	50	50	70
Poast Plus 1.0E	24 oz	40	40	40	95	80	50	50	70
Exceed 57WG	1.0 oz	80	80	80	80	60	90	80	100



Table 6. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Lath	Prsi	Cowh	Ebns	Hans
		-----control-----				
	lb/A	%	%	%	%	%
Prowl 3.3EC	3 pt	0	0	20	100	50
Partner 65WDG	4.62 lb	0	10	100	100	100
Dual II 7.8E	2.56 pt	0	50	100	100	50
Magnum 7.62E	1 qt	0	70	100	100	50
Surpass 6.4E	2.5 pt	100	99	99	100	100
Topnotch 3.2 CS	2.5 qt	98	99	100	100	100
Harness 7E	2.25 pt	100	98	100	100	100
Frontier 6E	30 oz	98	98	100	100	100
Bullet 4SC	1 gal	100	99	100	100	100
Bicep II 5.9L	3 qt	100	97	100	100	100
Surpass 100 5L	3 qt	100	95	100	100	100
Harness Xtra 5.6L	2.5 qt	100	90	100	100	100
Check		0	0	0	0	0
Guardsman 5L	5 pt	100	95	100	100	100
Broadstrike+Dual 7.67SC	2.5 pt	30	90	100	100	100
Broadstrike Plus 85.6WG	0.25 lb	99	90	80	100	100
Firstrate 84WG	0.046 lb	95	90	50	80	100
Firstrate 84WG+	0.046 lb+	95	97	80	100	100
Prowl 3.3EC	3 pt					
Pursuit 70 DG	1.44 oz	100	98	0	100	100
Scepter 1.5AS	0.67 pt	95	98	10	100	100
Raptor 1.0AC	5 oz	100	99	0	100	100
Pursuit Plus 2.9E	2.5 pt	100	98	20	100	99
Pursuit 70 DG+	1.44 oz+	100	99	30	100	100
Dual II 7.8E	1.25 pt					
Contour 3.38SC	1.33 pt	100	99	10	100	100
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	100	99	20	100	100
Axiom 68DF	22 oz	100	97	100	100	100
Balance 75WDG	2 oz	100	99	90	100	100
Canopy 75DF	7 oz	100	99	100	50	100
Sencor 75DF	0.5 lb	100	99	100	60	90
Command 4E	1 qt	100	100	10	100	98
Command 3ME	1.33 qt	100	100	0	100	98
Authority 75DF	0.266 lb	100	99	100	100	100
Check		0	0	0	0	0
Authority 75DF	0.416 lb	100	99	100	100	100
Authority 75DF	0.5 lb	100	100	100	100	100
Command 3E+	1.33 qt+	100	100	100	100	100
Authority 75DF	0.5 lb					
Authority 75DF+	0.266 lb+	100	99	100	100	100
F6025 25DF	0.16 lb					
Authority 75DF+	0.35 lb+	100	99	100	100	100
F6025 25DF	0.21 lb					
Pursuit Plus 2.9E+	2.5 pt+	100	100	100	100	100
Authority 75DG	0.35 lb					
Firstrate 84WG+	0.046 lb+	100	100	100	100	100
Authority 75DF	0.35 lb					
AAtrex 90DG	2.2 lb	100	99	80	100	100
Bladex 90DG	2.2 lb	100	99	10	100	100
AAtrex 90DG+	1.1 lb+	100	99	40	100	100
Bladex 90DG	3.3 lb					
AAtrex 90DG+	2.2 lb+	100	99	60	100	100
Bladex 90DG	2.2 lb					
Reflex 2LC	1.5 pt	100	97	100	100	100
Select 2E	8 oz	0	0	0	0	0
Assure II 0.88E	8 oz	0	0	0	0	0
Fusion 2.66E	8 oz	0	0	0	0	0
Poast Plus 1.0E	24 oz	0	0	0	0	0
Exceed 57WG	1.0 oz	100	88	20	100	100

Multi-species evaluation of postemergence herbicide treatments. Baird, Dale L., Jeffery C. West, Matt P. Montgomery, Montie E. Milner, Lyle E. Paul, and Ellery L. Knake. The purpose of this study was to evaluate degree of crop tolerance and herbicide efficacy for herbicides applied postemergence. The study was conducted at the Northern Illinois Agronomy Research Center near DeKalb, Illinois and included most all common crops and many of the weeds common to Illinois.

Location:	DeKalb SW700	Soil Type:	Drummer silty clay loam
Plot size:	10 X 150 ft	Slope:	1 to 2%
Drainage:	Fair	Planting date:	May 3, 1996
Organic Matter:	5 to 6%	Row spacing:	30 inch and 5 ft
Soil pH:	6.3		

Tillage: A mold-board plow was used November 9, 1995 and on April 12, 1996 the area was tilled twice with a mulch finisher that had one set of disk blades and a four bar field cultivator unit followed by a harrow. The corn and soybeans were planted with a John Deere Max Emerge 2 four row planter using a plateless meter for the corn and bean cups for the soybeans. Wheat and oats were seeded in 7.5 inch rows with a grain drill. All other crops and weeds were seeded with a Brillion seeder. Corn and soybeans were in 30 inch rows with a corn population of 22,000 to 34,000 depending on the seed characteristics of the inbred or hybrid. Soybeans were seeded at a population of about 200,000 but varied according to the cultivar and size of seed. The soil was in a high state of fertility and the only fertilizer used was 160 lb/A nitrogen as 28% liquid UAN on the corn. Crops and weeds were seeded in a north-south direction and herbicides were applied in an east-west direction.

An International 274 tractor with a front mounted spray boom and compressed air unit was used spraying at 3 mph with 37 psi and flat fan, extended range XR-8003 VS nozzle tips to give 25 gpa. Width of spray was 10 feet broadcast with nozzles spaced 20 inches apart and 26 inches above the soil surface or approximately 20 inches above the vegetation.

Ratings were made July 1, for corn, soybeans, giant foxtail, yellow foxtail, green foxtail, large crabgrass, and barnyardgrass. On July 2, ratings were made for redroot pigweed, common lambsquarters, velvetleaf, jimsonweed, ivyleaf morningglory, eastern black nightshade, hairy nightshade, prickly sida, and woolly cupgrass. On July 3, ratings were made for ladysthumb smartweed, giant ragweed, fall panicum, waterhemp, shattercane, sorghum, wheat, oats, alfalfa, and clover.

The smartweed was from a natural infestation. Common waterhemp and hairy nightshade were seeded for the first time this year. The eastern black nightshade was from seeding in previous years. Both the new seeding and weeds from seeding in previous years were considered for many of the weed ratings. The waterhemp appeared to be tolerant to some ALS inhibiting herbicides.

Date of spraying:	June 21, 1996
Time:	9:00 AM to Noon
Treatment:	Postemergence
Temperature (F):	
air	77.9 to 81.4
soil 4 inch	69.0 to 74.1
Soil moisture:	Moist
Wind (mph):	9.9 to 13.9 SW (197 to 205 degrees)
Sky (% overcast):	70%
Relative humidity (%):	88.9 to 92.9
Rainfall (inch):	
previous week	1.72
following week	1.25



The following measurements were taken near the time of the postemergence applications (heights free standing).

Corn inbreds		Giant foxtail		Redroot pigweed	
leaf no.	3 to 7	leaf no.	6	leaf no.	4
height(inch)	5 to 8	height(inch)	9	height(inch)	1.5
Corn hybrids		Yellow foxtail		Common lambsquarters	
leaf no.	6 to 7	leaf no.	4	leaf no.	6
height(inch)	9 to 15	height(inch)	7	height(inch)	1.5
Soybean		Green foxtail		Velvetleaf	
leaf no.	3 trif	leaf no.	4	leaf no.	4
height(inch)	10	height(inch)	7	height(inch)	4.5
Sorghum		Large crabgrass		Jimsonweed	
leaf no.	6	leaf no.	3	leaf no.	5
height(inch)	7	height(inch)	2	height(inch)	2
Wheat		Barnyardgrass		Ivyleaf morningglory	
leaf no.	27	leaf no.	3	leaf no.	9
height(inch)	11	(7 tillers)		height(inch)	9
Oats		height(inch)	11	Giant ragweed	
leaf no.	6	Woolly cupgrass		leaf no.	8
height(inch)	16	leaf no.	6	height(inch)	6
Alfalfa		height(inch)	6	Common waterhemp	
leaf no.	5 trif	Fall panicum		leaf no.	11
height(inch)	3	leaf no.	10	height(inch)	5
Red Clover		height(inch)	8	Eastern black nightshade	
leaf no.	4 trif	Shattercane		leaf no.	5
height(inch)	4	leaf no.	5	height(inch)	3
		height(inch)	5		

Hairy nightshade, common ragweed, and ladythumb smartweed were either not emerged or not observed for measurement.

(Dept. of Crop Sciences, University of Illinois, Urbana.)

















Table 5. Multi-species evaluation of postmergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Rrpw	Colq	Vele	Jiwe	Iimg	Lath
		control					
	lb/A	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	95	99	30	100	30	70
Roundup Ultra 4E	1.0 qt	100	100	70	100	50	100
Touchdown 6E+	0.67 pt	100	100	90	100	30	80
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Touchdown 6E+	1.33 pt	100	100	100	100	50	100
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Liberty 1.67E+	38.3 oz	100	100	90	100	100	100
AMS	4.25 lb						
Liberty 1.67E+	76.6 oz	100	100	100	100	100	100
AMS	4.25 lb						
Liberty 1.67E+	28.7 oz	100	100	99	100	100	100
AAtrex 90DF+	1.67 lb						
AMS	4.25 lb						
Accent 75DF+	0.33 oz	95	70	50	100	30	100
Beacon 75DF+	0.38 oz						
COC	1.0 qt						
Accent 75DF+	0.5 oz	98	80	40	100	50	100
Exceed 57WG+	1.0 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	95	60	50	100	30	100
Exceed 57WG+	0.5 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	100	95	100	100	100
Marksman 3.2L+	3.5 pt						
Activate Plus+	1.0 pt						
UAN	1.0 qt						
Accent 75DF+	0.67 oz	100	100	98	100	80	100
Buctril 2L+	1.0 pt						
AAtrex 90DF+	0.55 lb						
COC	1.0 qt						
Check		0	0	0	0	0	0
Permit 75DF+	1.0 oz	100	0	90	90	10	100
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	30	70	90	40	100
Permit 75DF+	0.67 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	80	60	100	30	100
Pinnacle 25DF+	0.25 oz						
COC	1.0 qt						
Basis 75DF+	0.33 oz	99	100	60	80	30	80
COC+	1.0 qt						
UAN	1.0 qt						
Resource 0.86E+	6 oz	100	20	100	95	70	10
COC	1.0 qt						
Action 4.75WP+	1.2 oz	70	80	100	100	70	0
COC	1.0 pt						
Expert 75WG+	1.5 oz	95	95	80	100	70	50
Activate Plus	1.0 pt						
Action 75 WP+	1.2 oz	100	100	100	100	80	50
Expert 75WP+	1.3 oz						
COC	1.0 qt						
Tough 3.75E+	1.0 qt	100	100	100	100	80	90
Aatrex 90DF+	2.2 lb						
COC	1.0 qt						
Buctril 2L	1.0 pt	50	100	80	100	30	100
Buctril 2L	1.5 pt	60	100	98	100	40	100
CA 1216 20%WP	1.5 lb	50	100	80	100	30	100
CA 1216 20%WP	2.25 lb	90	100	100	100	40	100
CA 1797 80%WG	0.5 lb	70	100	90	100	30	100
CA 1797 80%WG	0.75 lb	80	100	98	100	40	100
SAN 1269H 70WG+	0.375 lb	100	100	90	100	50	90
Activate Plus+	0.5 pt						
UAN	1.25 qt						
FMC F8426 50DF+	0.5 oz	60	80	100	100	80	5

Table 5. Multi-species evaluation of postmergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued.

Treatment	Rate	Rrpw	Colq	Vele	Jiwe	Iimg	Lath
		control					
	lb/A	%	%	%	%	%	%
FMC F8426 50DF+	1.0 oz	80	100	100	100	90	10
Activate Plus	0.5 pt						
Broadstrike Plus 85.6WG+	0.25 lb	80	80	40	100	60	50
Activate Plus	0.5 pt						
Scorpion III 84.3WG+	4.0 oz	80	90	70	100	80	80
Activate Plus	0.5 pt						
Check		0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	10	10	40	90	10	50
Activate Plus+	0.25 pt						
UAN	2.5 qt						
Twister 1.82ME+	2.25 pt	100	90	100	100	70	100
Sunit II+	1.0 qt						
UAN	2.5 qt						
Pursuit 70DG+	1.44 oz	100	70	70	100	50	40
Sunit II+	1.5 pt						
UAN	1.0 qt						
Raptor 1AC+	5.0 oz	97	80	60	100	60	50
Sunit II+	1.5 pt						
UAN	1.0 qt						
Poast Plus 1.0E+	1.5 pt	0	0	0	0	0	0
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	90	99	95	100	70	100
Laddok S-12 5L+	1.67 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	98	100	70	90
AAtrex 90DF+	2.2 lb						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	95	100	50	50	100	20
2,4-D LVE 3.8E+	8.4 oz						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	100	100	100	100
Marksman 3.2L+	3.5 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	98	100	90	90
Clarity 4.0E+	1.0 pt						
UAN	2.0 qt						
Stellar 3.1E+	5.0 oz	100	100	99	100	95	10
COC	1.0 pt						
Select 2.0E+	6.0 pt	0	0	0	0	0	0
COC	1.0 pt						
Stellar 3.1E+	5.0 oz	100	100	100	100	85	10
Select 2.0E+	6.0 oz						
COC	1.0 pt						
Pursuit 70DG+	1.44 oz	100	100	98	100	90	40
2,4-DB 2S+	3.0 oz						
Sunit II 4L+	1.5 pt						
UAN	1.0 qt						
Synchrony 42DF+	0.5 oz	100	100	98	100	50	50
Assure II 0.88E+	8.0 oz						
COC+	1.0 qt						
UAN	4.0 qt						
Synchrony 42DF+	0.5 oz	99	100	98	100	50	50
Poast Plus 1.0E+	1.0 pt						
COC+	1.0 qt						
UAN	4.0 qt						

Table 6. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Corw	Girw	Prsi	Cowh	Ebns	Hans
		control					
	lb/A	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	100	100	100	99	100	98
Roundup Ultra 4E	1.0 qt	100	100	100	100	100	100
Touchdown 6E+	0.67 pt	100	100	100	98	100	100
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Touchdown 6E+	1.33 pt	100	100	100	100	100	100
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Liberty 1.67E+	38.3 oz	90	100	100	99	95	100
AMS	4.25 lb						
Liberty 1.67E+	76.6 oz	100	100	100	100	100	100
AMS	4.25 lb						
Liberty 1.67E+	28.7 oz	100	100	100	100	100	100
AAtrex 90DF+	1.67 lb						
AMS	4.25 lb						
Accent 75DF+	0.33 oz	90	30	10	50	50	70
Beacon 75DF+	0.38 oz						
COC	1.0 qt						
Accent 75DF+	0.5 oz	100	80	10	50	50	50
Exceed 57WG+	1.0 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	90	70	10	40	20	50
Exceed 57WG+	0.5 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	90	100	70	100	100
Marksman 3.2L+	3.5 pt						
Activate Plus+	1.0 pt						
UAN	1.0 qt						
Accent 75DF+	0.67 oz	100	100	99	80	100	100
Buctril 2L+	1.0 pt						
AAtrex 90DF+	0.55 lb						
COC	1.0 qt						
Check		0	0	0	0	0	0
Permit 75DF+	1.0 oz	100	85	0	40	20	0
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	80	10	30	10	80
Permit 75DF+	0.67 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	90	10	10	20	20	20
Pinnacle 25DF+	0.25 oz						
COC	1.0 qt						
Basis 75DF+	0.33 oz	100	10	10	50	0	0
COC+	1.0 qt						
UAN	1.0 qt						
Resource 0.86E+	6 oz	90	50	100	60	80	20
COC	1.0 qt						
Action 4.75WP+	1.2 oz	10	40	80	40	80	20
COC	1.0 pt						
Expert 75WG+	1.5 oz	100	75	0	30	0	0
Activate Plus	1.0 pt						
Action 75 WP+	1.2 oz	10	70	80	75	80	20
Expert 75WP+	1.3 oz						
COC	1.0 qt						
Tough 3.75E+	1.0 qt	100	99	100	90	100	100
Aatrex 90DF+	2.2 lb						
COC	1.0 qt						
Buctril 2L	1.0 pt	100	99	0	10	100	100
Buctril 2L	1.5 pt	100	100	0	10	100	100
CA 1216 20%WP	1.5 lb	100	100	0	70	100	100
CA 1216 20%WP	2.25 lb	100	100	0	70	100	100
CA 1797 80%WG	0.5 lb	100	95	0	60	100	100
CA 1797 80%WG	0.75 lb	100	98	0	60	100	100
SAN 1269H 70WG+	0.375 lb	100	98	100	70	100	100
Activate Plus+	0.5 pt						
UAN	1.25 qt						
FMC F8426 50DF+	0.5 oz	10	10	0	70	100	70
Activate Plus	0.5 pt						

Table 6. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued

Treatment	Rate lb/A	control					
		Corw %	Girw %	Prsi %	Cowh %	Ebns %	Hans %
FMC F8426 50DF+	1.0 oz	10	20	0	70	100	100
Activate Plus	0.5 pt						
Broadstrike Plus 85.6WG+	0.25 lb	100	85	20	60	20	20
Activate Plus	0.5 pt						
Scorpion III 84.3WG+	4.0 oz	100	90	50	70	30	50
Activate Plus	0.5 pt						
Check		0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	100	90	10	25	0	10
Activate Plus+	0.25 pt						
UAN	2.5 qt						
Twister 1.82ME+	2.25 pt	100	100	80	99	98	98
Sunit II+	1.0 qt						
UAN	2.5 qt						
Pursuit 70DG+	1.44 oz	100	85	10	20	100	70
Sunit II+	1.5 pt						
UAN	1.0 qt						
Raptor 1AC+	5.0 oz	100	60	20	10	100	90
Sunit II+	1.5 pt						
UAN	1.0 qt						
Poast Plus 1.0E+	1.5 pt	0	0	0	0	0	0
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	30	50	99	15	90	90
Laddok S-12 5L+	1.67 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	90	50	100	30	100	100
AAtrex 90DF+	2.2 lb						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	98	20	75	50	70
2,4-D LVE 3.8E+	8.4 oz						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	100	75	100	100
Marksman 3.2L+	3.5 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	97	100	80	100	100
Clarity 4.0E+	1.0 pt						
UAN	2.0 qt						
Stellar 3.1E+	5.0 oz	100	99	100	100	100	100
COC	1.0 pt						
Select 2.0E+	6.0 pt	0	0	0	0	0	0
COC	1.0 pt						
Stellar 3.1E+	5.0 oz	100	100	99	98	100	100
Select 2.0E+	6.0 oz						
COC	1.0 pt						
Pursuit 70DG+	1.44 oz	90	95	30	30	100	100
2,4-DB 2S+	3.0 oz						
Sunit II 4L+	1.5 pt						
UAN	1.0 qt						
Synchrony 42DF+	0.5 oz	90	80	0	50	0	0
Assure II 0.88E+	8.0 oz						
COC+	1.0 qt						
UAN	4.0 qt						
Synchrony 42DF+	0.5 oz	90	80	0	50	0	0
Poast Plus 1.0E+	1.0 pt						
COC+	1.0 qt						
UAN	4.0 qt						

## WEED NAMES AND ABBREVIATIONS

Abbreviation	Common Name	Scientific Name
Bucu	Burcucumber	<u>Sicyos angulatus</u>
Bygr	Barnyardgrass	<u>Echinochloa crus-galli</u>
Cath	Canada thistle	<u>Cirsium arvense</u>
Cocb	Common cocklebur	<u>Xanthium strumarium</u>
Coch	Common chickweed	<u>Stellaria media</u>
Colq	Common lambsquarters	<u>Chenopodium album</u>
Corw	Common ragweed	<u>Ambrosia artemisiifolia</u>
Cosf	Common sunflower	<u>Helianthus annuus</u>
Cowh	Common waterhemp	<u>Amaranthus rudis</u>
Dali	Dandelion	<u>Taraxacum officinale</u>
Dafl	Daisy fleabane	<u>Erigeron sp.</u>
Ebns	Eastern black nightshade	<u>Solanum ptycanthum</u>
Fapa	Fall panicum	<u>Panicum dichotomiflorum</u>
Fipw	Field peperweed	<u>Lepidium campestre</u>
Gift	Giant foxtail	<u>Setaria faberi</u>
Girw	Giant ragweed	<u>Ambrosia trifida</u>
Grft	Green foxtail	<u>Setaria viridis</u>
Hans	Hairy nightshade	<u>Solanum sarrachoides</u>
Howe	Horseweed	<u>Conyza canadensis</u>
Hvmw	Honeyvine milkweed	<u>Ampelamus albidus</u>
Iimg	Ivyleaf morningglory	<u>Ipomoea hederacea</u>
Jiwe	Jimsonweed	<u>Datura stramonium</u>
Kocz	Kochia	<u>Kochia scoparia</u>
Lacg	Large crabgrass	<u>Digitaria sanguinalis</u>
Lath	Ladysthumb smartweed	<u>Polygonum persicaria</u>
Pesw	Pennsylvania smartweed	<u>Polygonum pennsylvanicum</u>
Prle	Prickly lettuce	<u>Lactuca serriola</u>
Prpw	Prostrate pigweed	<u>Amaranthus blitoides</u>
Prsi	Prickly sida	<u>Sida spinosa</u>
Rrpw	Redroot pigweed	<u>Amaranthus retroflexus</u>
Shca	Shattercane	<u>Sorghum bicolor</u>
Shpu	Shepherdspurse	<u>Capsella bursa-pastoris</u>
Smgc	Smooth groundcherry	<u>Physalis subglabrata</u>
Smpw	Smooth pigweed	<u>Amaranthus hybridus</u>
Tawh	Tall waterhemp	<u>Amaranthus tuberculatus</u>
Tamg	Tall morningglory	<u>Ipomoea purpurea</u>
Vele	Velvetleaf	<u>Abutilon theophrasti</u>
Vema	Venice mallow	<u>Hibiscus trionum</u>
Wocg	Woolly cupgrass	<u>Eriochloa villosa</u>
Yeft	Yellow foxtail	<u>Setaria glauca</u>
Yens	Yellow nutsedge	<u>Cyperus esculentus</u>



## APPENDIX A

HERBICIDES EVALUATED IN 1996

TRADE NAME	COMMON NAME	EXP. #	COMPANY
AAtrex	atrazine	--	several
Accent	nicosulfuron	DPX-V9360	Dupont
Action	--	CGA 248757	CIBA
Assure II	quizalofop	DPX-Y6202-38	DuPont
Authority	sulfentrazone	F6285	FMC
Axiom	thiaflumide + metribuzin	FOE5043	Bayer
Balance	--	EXP31130A	Rhone-Poulenc
Banvel	dicamba	--	Sandoz
Basagran	bentazon	--	BASF
Basis	nicosulfuron + rimsulfuron	KV141	Dupont
Basis Gold	nico. + rimsulf. + atrazine	--	Dupont
Battalion	halosulfuron	MON12000 + safener	Monsanto
Beacon	primisulfuron	CGA-136876	CIBA
Bicep II	metolachlor + atrazine	--	CIBA
Bicep Lite II	metolachlor + atrazine	--	CIBA
Bladex	cyanazine	--	DuPont
Blazer	acifluorfen	--	BASF
Broadstrike Plus	flumetsulam + clopyralid	NAF-72	DowElanco
Broadstrike + Dual	flumetsulam + metolachlor	--	DowElanco
Broadstrike + Treflan	flumetsulam + trifluralin	XRM-5313	DowElanco
Buctril	bromoxynil	--	Rhone-Poulenc
Bullet	alachlor + atrazine	--	Monsanto
Butyrac	2,4-DB	--	Rhone-Poulenc
Canopy	chlorimuron + metribuzin	--	Dupont
Clarity	dicamba	--	Sandoz
Classic	chlorimuron-ethyl	--	DuPont
Cobra	lactofen	--	Valent
Command	clomazone	--	FMC
Commence	clomazone + trifluralin	--	FMC
Concert	chlorimuron + thifensulf.	--	Dupont
Contour	imazethapyr + atrazine	--	Am Cyanamid
Cypro	cyanazine	--	Griffin
DoublePlay	EPTC/safener + acetochlor	--	Zeneca
Dual II	metolachlor + CGA154281	--	CIBA
Dual II Magnum	metolachlor + CGA154281	--	CIBA
Eradicane Extra	EPTC + safener + extender	--	Zeneca
Exceed	prosulfuron + primisulfuron	--	CIBA
Expert	--	CGA 277476	CIBA
Extrazine II	cyanazine + atrazine	--	Dupont
First Rate	chloransulam-methyl	NAF75	DowElanco
Flexstar	fomesafen	--	Zeneca

-continued-

## APPENDIX A (Cont'd)

**HERBICIDES EVALUATED IN 1996**

TRADE NAME	COMMON NAME	EXP. #	COMPANY
Frontier	dimethenamid	SAN-582H	Sandoz
Fusilade DX	fluazifop-butyl	--	Zeneca
Fusion	fluazifop + fenoxaprop	BRC-602	Zeneca
Galaxy	acifluorfen + bentazon	--	BASF
Gramoxone Extra	paraquat	--	Zeneca
Guardman	dimethenamid + atrazine	--	Sandoz
Harness	acetochlor + safener	--	Monsanto
Harness Extra	acetochlor + atrazine	--	Monsanto
Laddok S12	atraz. + bentazon	--	BASF
Lasso Micro-Tech	alachlor	--	Monsanto
Liberty	glufosinate + surfactant	HOE-39866 + surf.	AgrEvo
Lightning	imazethapyr + imazapyr	--	Am Cyanamid
Lorox	linuron	--	Dupont
Marksman	atrazine + dicamba	--	Sandoz
Moxynil	bromoxynil	--	Riverside/Terra
Option II	fenoxaprop	--	AgrEvo
Permit	halosulfuron	MON12037	Monsanto
Pinnacle	thifensulfuron	DPX-M6316	Dupont
Poast	sethoxydim	--	BASF
Poast Plus	sethoxydim + Dash	--	BASF
Preview	chlorimuron + metribuzin	--	Dupont
Prowl	pendimethalin	--	Am Cyanamid
Pursuit	imazethapyr	--	Am Cyanamid
Pursuit/Atrazine	imazethapyr + atrazine	--	Am Cyanamid
Pursuit Plus	imazeth. + pendimethalin	--	Am Cyanamid
Raptor	--	AC299,263	Am Cyanamid
Reflex	fomesafen	--	Zeneca
Resolve	imazethapyr + dicamba	--	Am Cyanamid
Resource	flumiclorac	V-23031	Valent
Resource II	flumiclorac	--	Valent
Roundup	glyphosate	--	Monsanto
Roundup Ultra	glyphosate + surfactant	--	Monsanto
Salute	trifl. + metribuzin	--	Bayer
Savage	2,4-D amine	--	United Ag. Prod.
Scepter	imazaquin	--	Am Cyanamid
Scorpion III	flumets. + clopyr. + 2,4-D	NAF-73	DowElanco
Select	clethodim	--	Valent
Sencor	metribuzin	--	Bayer
Shotgun	atrazine + 2,4-D amine	--	United Ag. Prod.

-continued-

## APPENDIX A (Cont'd)

HERBICIDES EVALUATED IN 1996

TRADE NAME	COMMON NAME	EXP. #	COMPANY
Squadron	pendim. + imazaquin	--	Am Cyanamid
Status	acifluorfen	--	Am Cyanamid
Stellar	flumiclorac + lactofen	--	Valent
Stinger	clopyralid	--	DowElanco
Storm	bentazon + acifluorfen	--	BASF
Surpass	acetochlor + dcmd	--	Zeneca
Surpass100	acetochlor/dcmd + atrazine	--	Zeneca
Synchrony STS	chlorimuron + thifensulf.	DPX-KU253-12	Dupont
Topnotch	acetochlor(encaps) + dcmd	ICIA5676	Zeneca
Tornado	fomesafen + fluazi./fenox.	--	Zeneca
Touchdown	sulfosate	--	Zeneca
Tough	pyridate	--	Sandoz
Treflan	trifluralin	--	DowElanco
Turbo	metol. + metribuzin	--	Bayer
Twister	fluaz./fenox. + fomesafen	--	Zeneca
--	2,4-D	--	Rhone-Poulenc
--	insecticide	AC513,918	Am Cyanamid
--	--	AC513,996	Am Cyanamid
--	BAS 514	--	BASF
--	--	F8426	FMC
--	dicamba	SAN-821H	Sandoz
--	--	SAN-1269H	Sandoz
--	--	SAN-1412H	Sandoz

## APPENDIX B

## ADDITIVES EVALUATED IN 1996

ADDITIVE	CLASSIFICATION	COMPANY
Activate Plus	surfactant	Riverside/Terra
Activator 90	surfactant	United Suppliers
Actimaster	nitrogen additive	United Ag. Prod.
Chem Surf	nitrogen additive	United Suppliers
Chem Surf 90	nitrogen additive	United Suppliers
COC (Prime Oil)	petroleum crop oil concentrate	Terra
COC Premium	oil additive	United Suppliers
Crop Oil Plus	oil additive	Wilfarm
Dash HC	oil + surfactant	BASF
Dyne-Amic	surfactant	United Suppliers
Eth-N-ate	surfactant	Wilfarm
Eth-N-gard	surfactant	Wilfarm
Hasten	surfactant	Wilfarm
HM9207A	surfactant	Wilfarm
HM9315	surfactant	Wilfarm
HM9327	surfactant	Wilfarm
HM9327A	surfactant	Wilfarm
HM9331	surfactant	Wilfarm
HM9331A	surfactant	Wilfarm
HM9417	surfactant	Wilfarm
HM9537A	surfactant	Wilfarm
HM9626	surfactant	Wilfarm
HM9627	surfactant	Wilfarm
HM9628	surfactant	Wilfarm
HM9629	surfactant	Wilfarm
HM9633	surfactant	Wilfarm
Induce	surfactant	United Suppliers
Kinetic	surfactant	Helena
Li 700	surfactant	United Ag. Prod.
Meth-Oil	methyated seed oil + surfactant	Terra
Methyl-N	surfactant	United Suppliers
MSO	methyated seed oil + surfactant	United Ag. Prod.
Nutrition Plus	nitrogen additive	Wilbur-Ellis
Optima	surfactant	United Suppliers
Persist	surfactant	Precision Labs
Persist LWV	surfactant	Precision Labs
Persist RTS	surfactant	Precision Labs
P-28	nitrogen additive	Precision Labs
Pen-A-trate II	surfactant	Precision Labs
Prime Oil	petroleum crop oil concentrate	Terra

-continued-

## APPENDIX B (Cont'd)

ADDITIVES EVALUATED IN 1996

ADDITIVE	CLASSIFICATION	COMPANY
PXC050	oil additive	Precision Labs
PX-3096B	oil additive	Precision Labs
PX-6528	oil additive	Precision Labs
PX-764	oil additive	Precision Labs
Quest	surfactant	Helena
R-11	surfactant	Wilbur-Ellis
Rivet	surfactant	Terra
Silken	surfactant	Terra
Succeed	surfactant	United Suppliers
Sunit II	methyated seed oil + surfactant	American Cyanamid
Sylgard 309	surfactant	Wilbur-Ellis
TRA0051	surfactant	Terra
21% Ammonium sulfate	nitrogen additive	several
28% N	fluid fertilizer	several
Vigor	oil additive	Precision Labs
W3955	surfactant	Wilfarm
W4963	surfactant	Wilfarm
W4964	surfactant	Wilfarm
W4965	surfactant	Wilfarm
W4969	surfactant	Wilfarm
W9361	surfactant	Wilfarm

## APPENDIX C

**HERBICIDE LOCATER INDEX**

TRADE NAME	PAGE OF STUDY
Accent	12,32,43,48,56,81,90,94,100,104,108,242,259,282,285, 290,369,372,385,420,423
Action	27,73,160,235,275,397
Assure II	148,164,169,195,203,217,231,329,332,335,340,342,353, 367,397,407
Atrazine	1,7,16,23,27,32,39,43,56,68,73,76,84,90,96,100,108,245, 248,253,256,259,266,270,282,290,359,369,376,380,385, 388,423
Authority	110,131,135,184,195,199,203,207,297,308,311,314,322, 393,412
Axiom	1,12,23,27,87,135,138,160,242,245,259,266,280,314,356, 362,423
Banvel	4,7,27,32,43,68,73,76,104,108,122,259,270,282,293,359, 369,380,385
Basagran	63,76,148,164,223,228,233,305,338
Basis	32,43,108,282,420,423
Battalion	169
Beacon	32,359,369,385,420,423
Bicep II	1,7,16,23,27,32,39,48,84,100,245,248,253,256,259,266, 285,376
Blazer	141,148,153,160,184,311,317,412,415
Broadstrike + Dual	1,23,27,110,131,135,245,259,297,308,314,359,369,420
Broadstrike + Treflan	131,308
Broadstrike Plus	1,23,27,48,68,90,245,259,266,270,285,290,420
Buctril Gel	27,32,43,56,68,76,90,100,104,108,259,270,282,290,380, 388
Buctril + Atrazine	27,32,43,56,63,68,259,270,282

-continued-

### HERBICIDE LOCATER INDEX

TRADE NAME	PAGE OF STUDY
Canopy	110,116,119,125,131,135,138,184,188,207,297,302,308, 311,314,322,367,412
Clarity	23,27,32,43,48,63,68,90,96,100,259,270,275,285,290, 359,369,385,388,423
Classic	110,125,135,138,160,169,184,188,195,199,203,212,223, 228,297,311,314,353,393,407,412
Cobra	138,153,160,169,176,179,190,223,228,345,353,407,410
Command	110,135,195,199,203,293,297,314,380
Commence	131,308
Concert	148,164,169,195,199,203,217,329,332,335,342,353,367, 407
Contour	104
CY-PRO	23
Detail	393
Doubleplay	23,266,372,374
Dual II	1,12,16,23,27,32,39,48,56,84,87,100,108,110,135,138, 141,160,184,188,238,210,242,245,248,253,256,259,266, 280,282,285,293,297,311,314,317,356,362,367,376,397, 412,415,423
Dual II Magnum	12,23,87,242,266,280
Exceed	23,27,32,43,68,76,81,90,259,270,290,388,420
Expert	160,164,207,235,322,342,397
Extrazine II	1,23,43,48,245,259,285,380
Firstrate	110,131,135,141,160,195,199,203,207,297,308,314,317, 322,329,332,335,345,415
Flexstar	148,164,212,342,356,367
Frontier	4,12,23,27,32,48,87,100,122,138,188,207,242,259,266, 280,285,322,356,362

-continued-

## APPENDIX C (cont'd)

**HERBICIDE LOCATER INDEX**

<b>TRADE NAME</b>	<b>PAGE OF STUDY</b>
Fusilade DX	231,340,391
Fusion	119,148,164,231,302,305,340,342
Galaxy	110,131,135,148,153,164,169,192,195,199,203,212,217, 223,228,297,305,308,314,329,332,335,342,353,407
Gramoxone Extra	119,302
Guardsman	1,4,23,48,245,259,266,285
Harness, Harness Plus	27,32,48,87,96,104,259,266,280,285
Harness Extra	1,23,27,32,96,104,245,259
Laddok S12	32,48,56,63,68,76,90,259,270,290,380,388,423
Lasso Micro-Tech	128,138,207,238,240,322,367,369,372
Liberty	100,192
Lightning	104
Lorox	364,367
Marksman	1,23,27,32,48,56,63,68,73,90,245,259,270,275,285,290, 359,369,380,385,388,423
Permit	27,32,48,68,90,96,259,270,285,290,359,369,388,420
Pinnacle	148,160,164,169,184,192,195,199,203,212,217,223,228, 233,235,305,311,329,332,335,338,342,353,397,407,412
Poast	12,48,56,90,148,192,195,199,203,285,290,305,329,332, 335,
Poast Plus	56,63,81,110,128,135,148,153,169,217,233,297,314,338, 353,380,407,423
Prowl	43,104,110,116,131,135,138,160,169,184,192,195,199, 203,207,217,293,297,308,311,314,322,329,332,335,353, 356,362,364,391,393,397,407,412,423

-continued-



## APPENDIX C (cont'd)

**HERBICIDE LOCATER INDEX**

TRADE NAME	PAGE OF STUDY
Pursuit	32,131,135,148,153,160,164,169,176,179,184,190,192,195,199,203,207,212,217,223,228,231,235,293,308,311,322,329,332,335,340,342,345,353,356,359,362,364,369,372,391,397,407,412
Pursuit Plus	110,131,135,184,297,308,311,314,364,393,412
Raptor	110,164,169,217,231,297,340,342,348,353,364,407
Reflex	164,212,342
Resolve	104,359,369
Resource	32,43,73,76,90,148,179,212,235,259,275,290,305,385
Resource II	235,385
Roundup	4,7,125,195,199,203,207,293,322,329,332,335,367
Roundup Ultra	96,116,119,122,302,393
Scepter	110,125,131,188,223,231,297,308,340,364,393
Scorpion III	27,32,43,63,68,90,259,270,290,359,369,420
Select	116,119,125,141,148,153,176,212,228,231,302,317,340,410,415
Sencor	1,27,63,68,76,110,116,119,125,131,135,138,141,160,188,192,245,259,270,297,302,308,314,317,356,362,367,380,388,393,415
Squadron	356,362,393
Status	217,353,364,407
Steel	110,131,297,308,364,393
Stellar	179,223
Storm	148,212,305
Surpass	23,27,39,48,56,104,238,240,256,266,285,376,380

-continued-

## APPENDIX C (cont'd)

**HERBICIDE LOCATER INDEX**

<b>TRADE NAME</b>	<b>PAGE OF STUDY</b>
Surpass100	1,23,48,104,245,259,266,285
Synchrony STS	169,176,179,184,190,311,410,412
Topnotch	1,12,16,84,87,242,245,248,253,266,280,374
Touchdown	119,302
Tough	27,63,68,259,270,359,369,380
Treflan	131,141,195,199,203,308,317,329,332,335,397,415
Turbo	356,362,397
Twister	164,342
2,4-D	4,7,27,32,56,63,68,73,116,119,122,125,259,270,293,302,380,385,388
DPX-79406	7,43,108,282
EXP31130A	16,39,84,248,253,256,376
F8426	73,275
GX413	23
GX414	23
ICIA 5676/Atrazine	1,245,266
MON8435	96
MON58420	96
Moxynil	27,43
Moxynil/Atrazine	27,43
San 1269H	27,68,259,270
San 1412	4,122
V 53482	125,188

## APPENDIX D

## ADDITIVE LOCATER INDEX

ADDITIVE	PAGE OF STUDY
Activate Plus	7,12,27,32,43,48,56,68,73,76,90,100,104,108,116,119,125,141,148,160,164,169,184,207,217,235,242,259,270,275,282,290,293,302,311,317,342,345,359,367,369,388,397,412,415,420,423
Activator 90	195,199,203,322,329,332,335
Al-2857	94
At Plus S-12	94
At Plus S-14	94
At Plus 411	94
At Plus 467	94
COC (Prime Oil)	7,23,27,32,43,48,56,68,73,76,90,108,110,116,125,128,131,135,141,148,153,160,164,169,176,179,184,190,192,195,199,203,212,223,228,231,235,259,270,275,282,285,290,293,297,302,305,308,311,314,317,329,332,335,340,348,353,359,367,369,372,380,385,391,407,410,415
Counter	420
ETH-N-ATE	164
ETH-N-GARD	164
HASTEN	164
Hm 8802-A	81
Hm 9327	81
Meth-Oil	342
MSO	164,190,212,356,367
Persist	348
Persist LWV	348

-continued-

## APPENDIX D

ADDITIVE LOCATER INDEX

ADDITIVE	PAGE OF STUDY
Persist RTS	348
PX 3096	348
Sunit II	104,110,131,135,148,153,160,169,184,192,195,199,203, 217,293,297,308,311,314,329,332,335,345,348,356,362, 364,372,391,412
Sylgard 309	164,169
21% Ammon.sulfate	100,116,119,192,302
28% N	7,23,27,32,43,56,63,68,81,100,104,108,110,116,128,131, 135,141,148,153,160,164,169,179,184,190,195,199,203, 207,212,217,223,228,233,235,259,266,270,275,282,293, 297,305,308,311,314,317,322,329,332,335,338,342,345, 350,353,356,359,362,364,367,369,372,380,385,391,397, 407,412,415,420,423

## APPENDIX E

CORN HERBICIDE PREMIXES

HERBICIDE	COMPONENTS	RATIO
Basis 75DF	Rimsulfuron + thifensulfuron	2:1
Basis Gold 89.5DF	Rimsulfuron + thifensulfuron + Atrazine	1:1:65
Bicep II 5.9L	Metolachlor/safener + Atrazine	5:4
Bicep Lite II 4.9L	Metolachlor/safener + Atrazine	2:1
Broadstrike + Dual 7.67E	Metolachlor + Flumetsulam	37.4:1
Broadstrike Plus 85.6WG	Clopyralid + Flumetsulam	2.7:1
Bronco 3.64E	Alachlor + Glyphosate	5:2
Buctril/Atrazine 3L	Bromoxynil + Atrazine	1:2
Bullet 4ME	Alachlor + Atrazine	5:3
Contour 3.38L	Imazethapyr + Atrazine	1:8
Doubleplay 7L	EPTC + Acetochlor	4:3
Extrazine II 90DF, 4L	Atrazine + Cyanazine	1:3
Guardzman 5L	Dimethenamid + Atrazine	7:8
Harness Extra 6L	Acetochlor/safener + Atrazine	1.2:1
Laddok 3.3L	Bentazon + Atrazine	1:1
Lariat 4L	Alachlor + Atrazine	5:3
Lightning 70DG	Imazethapyr + Imazapyr	3:1
Marksman 3.2L	Dicamba + Atrazine	1.1:2.1
Resolve SG	Imazethapyr + Dicamba	1:3
Scorpion III 84.3WG	2,4-D + Clopyralid + Flumetsulam	5.4:2.7:1
Surpass 100 5L	Acetochlor + Atrazine	7.5:6

SOYBEAN HERBICIDE PREMIXES

HERBICIDE	COMPONENTS	RATIO
Broadstrike + Treflan 3.65E	Flumetsulam + Trifluralin	1:13.6
Canopy 75DF	Chlorimuron + Metribuzin	1:6
Commence 5.25E	Clomazone + Trifluralin	3:4
Concert 25DF	Chlorimuron + Thifensulfuron	1:1
Detail 4.1E	Imazaquin + Dimethenamid	1:7
Freedom 3E	Alachlor + Trifluralin	8:1
Fusion 2.67E	Fluazifop + Fenoxaprop	3:1
Galaxy 3.67S	Bentazon + Acifluorfen	9:2
Lorox Plus 60DG	Linuron + Chlorimuron	18.4:1
Passport 2.6E	Imazethapyr + Trifluralin	1:12
Preview 75DF	Chlorimuron + Metribuzin	1:10
Pursuit Plus 2.9E	Imazethapyr + Pendimethalin	1:13.5
Scepter O.T. 2.5E	Imazaquin + Acifluorfen	1:4
Squadron 2.33E	Imazaquin + Pendimethalin	1:6
Steel CP	Pendimethalin + Imazethapyr + Imazaquin	13.3:1:1
Stellar 3.1E	Lactofen + Flumiclorac	12:3.5
Storm 4S	Bentazon + Acifluorfen	2:1
Synchrony STS 42DF	Chlorimuron + Thifensulfuron	10:3.2
Tornado 1.75E	Fluazifop + Fomesafen	3.75:5
Tri-Scept 3E	Imazaquin + Trifluralin	1:6
Turbo 8E	Metolachlor + Metribuzin	9:2

## APPENDIX F

INDEX OF WEED SPECIES REPORTED

ABBREVIATION	COMMON NAME	SCIENTIFIC NAME
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
AMACH	Smooth Pigweed	<i>Amaranthus hybridus</i>
AMARE	Redroot Pigweed	<i>Amaranthus retroflexus</i>
AMATA	Common Waterhemp	<i>Amaranthus rudis</i>
AMATU	Tall Waterhemp	<i>Amaranthus tuberculatus</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
CCHPA	Longspine Sandbur	<i>Cenchrus longispinus</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DATST	Jimsonweed	<i>Datura stramonium</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
ERBVI	Woolly Cupgrass	<i>Eriochloa villosa</i>
ERICA	Horseweed	<i>Conyza canadensis</i>
IPOHE	Ivyleaf Morningglory	<i>Ipomoea hederacea</i>
HIBTR	Venice Mallow	<i>Hibiscus trionum</i>
MOLVE	Carpetweed	<i>Mollugo verticillata</i>
PHBPU	Tall Morningglory	<i>Ipomoea purpurea</i>
POLCO	Wild Buckwheat	<i>Polygonum convolvulus</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SRTRE	Trailing Wildbean	<i>Strophostyles helvola</i>
STEME	Common Chickweed	<i>Stellaria media</i>
TAROF	Dandelion	<i>Taraxacum officinale</i>
TRBTE	Puncturevine	<i>Tribulis terrestris</i>
XANST	Common Cocklebur	<i>Xanthium strumarium</i>

## APPENDIX G (DECODING)

## \* APPLICATION EQUIPMENT

BAC = BACKPACK SPRAYER

## \* APPLICATION METHOD

SP = SPRAY

## \* APPLICATION PLACE

BC = BROADCAST

## \* APPLICATION TYPE

L = LIQUID MIXTURE TO SPRAY

## \* CONCENTRATION UNITS

LG = POUNDS PER GALLON

PC = PERCENT

NA = NOT APPLICABLE

## \* CULT CODE

FG = FIELD GROWN

## \* DILUENT

WAT = WATER

## \* EVALUATION METHOD

% = PERCENT (0-99% SCALE)

## \* EVALUATION SYMPTOM

CON = CONTROL/KILL    PHY = PHYTOTOXICITY

## \* FORMULATION TYPES

CS = CAPSULE SUSPENSION

DF = DRY FLOWABLE

DG = DISPERSIBLE GRANULE

EC = EMULSIFIABLE CONCENTRATE

GR = GRANULE

L = LIQUID

NA = NOT APPLICABLE

OF = OIL MISCIBLE FLOWABLE

OL = OIL MISCIBLE LIQUID

SC = SUSPENSION CONCENTRATE

SL = SOLUBLE CONCENTRATE

WG = WATER DISPERSIBLE GRANULE

WP = WETTABLE POWDER

XX = OTHER

## \* INCORPORATION EQUIPMENT

CFD = FAST FINISH FIELD CULTIVATOR

## \* LEAF MOISTURE

D = DRY

W = WET

NA = NOT APPLICABLE

## \* NOZZLE

FF = FLATFAN

8002 FF = POST

8003 FF = PRE, PPI

80015 FF = 10 G.P.A.

## \* POPULATION DESCRIPTI

IND = INDIVIDUALS (PLANTS)

## APPENDIX G (cont'd)

## \* POPULATION GENERAL

H = HIGH                      M = MEDIUM                      L = LOW                      A = ACRE

## \* PROPELLANT

CO2 = COMPRESSED CO2

## \* RATE UNIT CODES

GAA = GRAMS ACTIVE/ACRE	NA = NOT APPLICABLE
LAA = POUNDS ACTIVE/ACRE	PMG = % MATERIAL WEIGHT/VOL
OAA = OZ (DRY) ACTIVE/ACRE	PMV = % MATERIAL VOL/VOL
OMF = OZ MAT'L/1000 FOOT ROW	PMW = % MATERIAL WT/WT

## \* ROOT MOISTURE

D = DRY                                      M = MOIST                                      W = WET

## \* SKY CONDITION

C = CLOUDY                                      P = PARTLY CLOUDY                                      S = CLEAR

## \* SOIL TEXTURE

SIL = SILT LOAM      SIX = SILTY CLAY LOAM      S = SAND      CL = CLAY LOAM

## \* SPECIES TYPE

P = PLANTS (CROPS AND WEEDS)

## \* TARGET

C = CROP                                      P = PEST

## \* TIMING CODES

01 = FALL APPLIED	09 = PREEMERGENCE
02 = EARLY PREPLANT 60 DAYS BEFORE PLANTING	10 = VERY EARLY POSTEMER.
03 = EARLY PREPLANT 45 DAYS BEFORE PLANTING	11 = EARLY POSTEMERGENCE
04 = EARLY PREPLANT 30 DAYS BEFORE PLANTING	12 = POSTEMERGENCE
05 = EARLY PREPLANT 15 DAYS BEFORE PLANTING	13 = LATE POSTEMERGENCE
06 = EARLY PREPLANT 7 DAYS BEFORE PLANTING	14 = VERY LATE POSTEMERG.
07 = PREPLANT INCORPORATED	15 = POST DIRECTED
08 = PREEMERGENCE DRILL & DRAG	

## \* WIND DIRECTION

E = EAST	N = NORTH	NE = NORTHEAST
NW = NORTHWEST	S = SOUTH	SE = SOUTHEAST
SW = SOUTHWEST	W = WEST	



## APPENDIX H

## PRECIPITATION SUMMARY FOR THE MONTH OF MARCH 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	---	---	---	---
2	---	---	---	---
3	---	---	0.01	---
4	---	---	---	---
5	0.16	0.20	0.94	0.68
6	0.04	---	0.03	0.05
7	---	---	---	---
8	---	---	---	---
9	---	---	---	---
10	---	---	---	---
11	---	---	0.01	---
12	---	---	---	---
13	---	---	---	---
14	---	---	---	---
15	---	---	---	---
16	---	---	---	---
17	---	0.04	---	0.01
18	---	---	---	---
19	0.03	0.01	---	0.15
20	0.03	---	---	---
21	---	---	---	---
22	---	---	---	---
23	0.17	---	---	0.02
24	0.50	0.65	0.46	0.12
25	0.03	0.04	0.02	0.01
26	---	---	---	---
27	---	---	---	---
28	0.01	---	---	0.15
29	---	---	0.01	---
30	---	---	---	1.00
31	1.61	0.04	---	---
<b>TOTAL</b>	<b>2.58</b>	<b>0.98</b>	<b>1.48</b>	<b>2.19</b>

## APPENDIX H (cont'd)

**PRECIPITATION SUMMARY FOR THE MONTH OF APRIL 1996**

<b>DATE</b>	<b>BROWNSTOWN</b>	<b>DEKALB</b>	<b>KILBOURNE</b>	<b>URBANA</b>
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	---	---	---	---
2	---	---	---	---
3	---	---	---	---
4	---	---	---	0.02
5	---	---	---	---
6	---	---	---	---
7	---	0.01	---	---
8	---	---	---	---
9	---	---	---	---
10	---	---	0.01	---
11	---	---	---	---
12	0.36	---	---	---
13	0.07	---	---	0.03
14	---	0.25	0.71	---
15	0.14	0.52	0.30	0.30
16	---	---	---	---
17	---	---	---	---
18	---	0.40	0.18	0.08
19	0.51	---	---	0.45
20	---	---	---	---
21	0.04	0.03	0.13	0.25
22	1.99	0.20	0.13	0.98
23	0.41	---	---	---
24	---	---	---	---
25	---	0.05	---	0.08
26	---	---	---	---
27	---	---	---	---
28	2.62	---	0.14	1.21
29	0.31	0.46	0.15	0.18
30	---	0.03	---	---
<b>TOTAL</b>	<b>6.45</b>	<b>1.95</b>	<b>1.75</b>	<b>3.58</b>

## APPENDIX H (cont'd)

## PRECIPITATION SUMMARY FOR THE MONTH OF MAY 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	0.02	—	—	—
2	—	—	—	0.03
3	0.37	0.25	0.04	0.59
4	0.41	—	0.13	0.17
5	1.40	0.01	—	0.02
6	—	0.21	0.31	—
7	0.51	0.18	0.20	0.23
8	0.29	0.98	2.05	1.36
9	—	0.32	—	—
10	0.26	—	0.34	2.04
11	0.01	—	—	—
12	—	—	0.01	—
13	0.06	—	—	0.21
14	0.40	0.05	—	0.10
15	0.04	0.05	—	0.16
16	—	0.01	—	—
17	—	0.02	—	—
18	—	—	—	—
19	—	—	—	—
20	—	0.75	—	0.07
21	0.21	—	—	—
22	—	—	—	—
23	—	0.65	0.15	0.12
24	—	0.29	0.21	1.16
25	0.20	0.34	0.44	0.30
26	0.06	0.03	0.56	0.90
27	0.54	0.44	0.99	0.74
28	—	2.09	—	0.06
29	—	—	—	—
30	—	—	—	—
31	—	—	—	—
<b>TOTAL</b>	<b>4.78</b>	<b>6.70</b>	<b>5.43</b>	<b>8.26</b>

## APPENDIX H (cont'd)

**PRECIPITATION SUMMARY FOR THE MONTH OF JUNE 1996**

<b>DATE</b>	<b>BROWNSTOWN</b>	<b>DEKALB</b>	<b>KILBOURNE</b>	<b>URBANA</b>
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	0.20	0.78	0.41	0.50
2	0.02	0.20	0.01	0.35
3	0.15	—	—	0.02
4	—	—	—	—
5	—	0.05	—	—
6	0.80	1.15	—	0.20
7	—	0.03	—	—
8	0.22	—	—	0.17
9	0.17	0.05	0.01	0.32
10	0.89	0.12	—	0.50
11	0.04	0.04	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	—	—	—	—
16	—	0.20	—	2.39
17	0.25	1.50	—	0.11
18	—	0.02	—	—
19	—	—	—	—
20	—	—	—	—
21	—	—	—	—
22	—	—	—	0.14
23	—	1.25	0.10	0.91
24	—	—	—	0.04
25	—	—	—	—
26	—	—	0.20	—
27	—	—	0.15	—
28	—	—	0.38	—
29	—	—	—	—
30	—	—	0.78	—
<b>TOTAL</b>	<b>2.74</b>	<b>5.39</b>	<b>2.04</b>	<b>5.65</b>

## APPENDIX H (cont'd)

## PRECIPITATION SUMMARY FOR THE MONTH OF JULY 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	0.90	—	—	—
2	—	0.13	0.65	—
3	—	—	—	—
4	—	—	—	—
5	—	—	—	—
6	—	—	0.62	—
7	—	—	—	—
8	—	—	0.05	—
9	—	—	—	0.02
10	—	—	0.22	—
11	—	—	0.51	—
12	—	0.02	0.73	—
13	—	—	0.08	—
14	0.23	0.01	0.96	0.36
15	—	0.02	0.54	—
16	—	—	0.06	0.06
17	—	3.00	0.54	—
18	—	4.01	0.03	—
19	0.09	—	—	—
20	0.28	—	0.62	—
21	0.06	0.12	1.21	1.62
22	—	0.02	0.09	—
23	—	0.02	—	0.14
24	—	0.50	0.48	0.34
25	—	—	0.59	—
26	—	0.01	—	—
27	—	0.31	0.57	—
28	0.10	0.07	0.55	0.66
29	—	0.03	—	—
30	—	0.18	0.64	0.12
31	—	—	—	—
<b>TOTAL</b>	<b>1.66</b>	<b>8.54</b>	<b>9.74</b>	<b>3.32</b>

## APPENDIX H (cont'd)

**PRECIPITATION SUMMARY FOR THE MONTH OF AUGUST 1996**

<b>DATE</b>	<b>BROWNSTOWN</b>	<b>DEKALB</b>	<b>KILBOURNE</b>	<b>URBANA</b>
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	—	—	—	—
2	—	—	—	—
3	—	—	0.30	—
4	—	—	—	—
5	0.01	1.45	—	—
6	—	0.90	—	—
7	—	—	—	—
8	0.01	—	—	—
9	—	—	—	—
10	—	—	—	—
11	—	—	—	—
12	—	0.01	—	—
13	—	—	—	—
14	—	—	0.20	—
15	0.01	—	—	—
16	—	—	0.53	—
17	—	—	1.46	0.53
18	0.09	0.21	1.34	0.40
19	—	0.04	—	—
20	—	—	—	—
21	0.16	—	0.31	—
22	—	0.84	0.49	—
23	0.18	—	—	0.16
24	0.01	—	0.48	—
25	—	—	0.49	—
26	0.16	0.03	—	0.25
27	—	—	—	0.08
28	—	—	0.53	—
29	—	—	—	—
30	—	—	0.50	—
31	0.01	—	0.52	—
<b>TOTAL</b>	<b>0.64</b>	<b>3.48</b>	<b>7.15</b>	<b>1.42</b>

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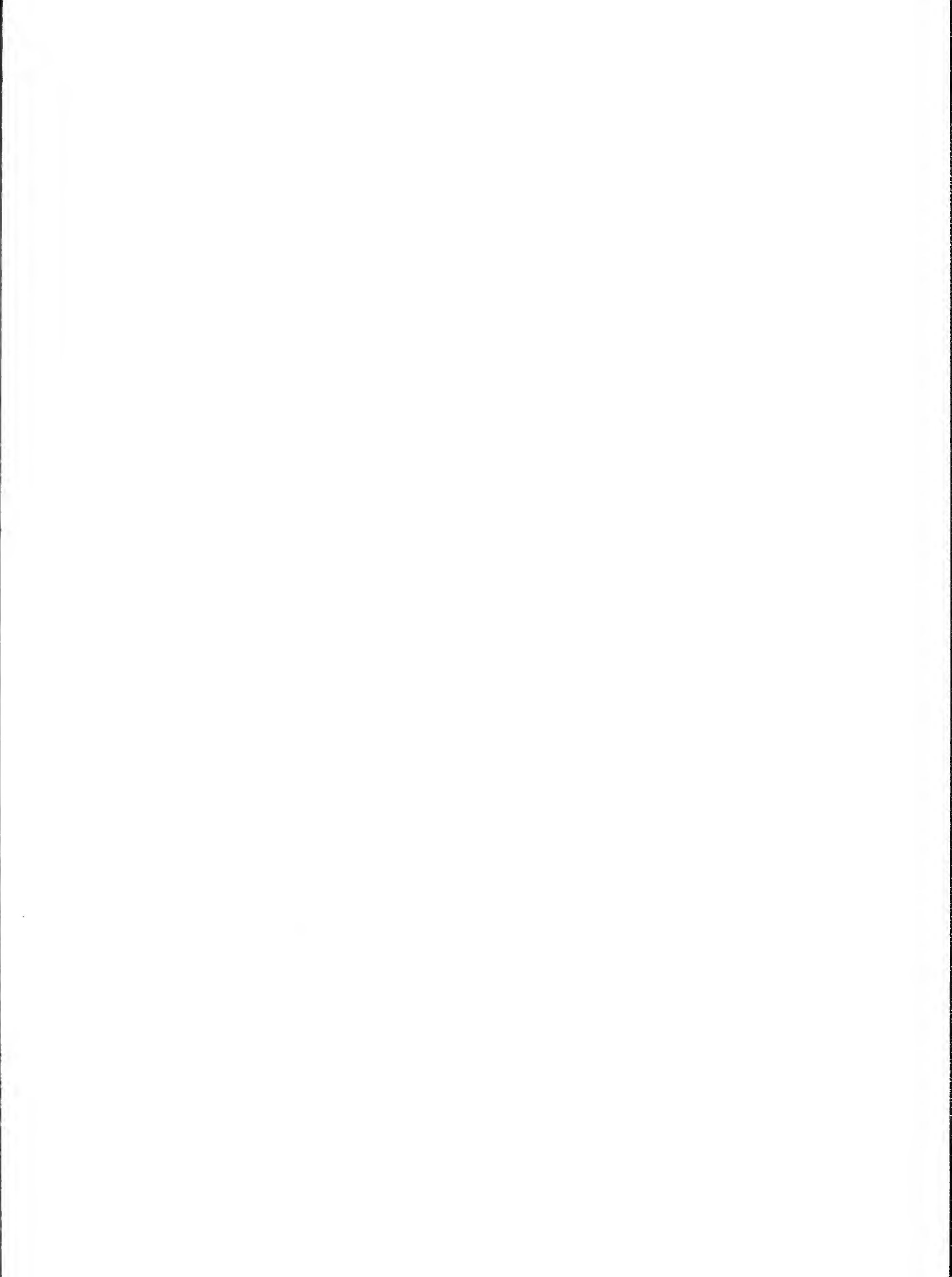


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