Corn and Sorghum Hybrid Test Results in Illinois - 1990

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PERFORMANCE OF COMMERCIAL CORN AND SORGHUM HYBRIDS IN ILLINOIS, 1990

(With 1989 and 1988 Results)

TEST PROGRAM

Selection of entries. Each year, producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of $60 for each hybrid entered at a location ($75 for special trials). Most of these hybrids are commercially available, although a few experimental hybrids are also entered.

Number and location of tests. In 1990, 12 major tests were conducted at 10 locations in the state (see map). These sites represent major soil and climatic areas of the state.

Hybrids. There were 659 hybrids from 80 companies tested in 1990.

Field-plot design. Three replications of an Alpha design were used to give each entry an equal chance to show its merits.

Planting methods. All trials were planted by machine. All test fields except those at DeKalb and Perry were part of larger cornfields and thus were bordered by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was four rows wide and 25 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or sidedressed as needed to ensure top yields.

Method of harvest. All plots were harvested with a custom-built, self-propelled, corn plot combine. Shelled corn from each plot was collected, weighed, and tested for moisture content. No allowance was made for corn that might have been lost in harvest.

PERFORMANCE DATA

Grain yield. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture). An electronic moisture monitor was used in the combine for all moisture readings.

Moisture content. Occasionally, hybrids too late in maturity for a given area are entered in these tests. These hybrids are often high in yield, but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Erect plants. The number of erect plants in each plot of a hybrid was determined at harvest time. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Population. In late June, plants in all plots on all fields were counted and populations computed. Plots with over 100 percent of the desired population were thinned at that time. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or rodents.

SUGGESTIONS FOR COMPARING HYBRIDS

It is impossible to measure performance exactly in any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions may produce variability. Results of repeated tests, like those reported here, are more reliable than those of a single-year or a single-strip test. When one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is real and should be a consideration in choosing a hybrid. When comparing yields, however, grain moisture content, percentage of erect plants, and plant population must also be considered.

A number of statistical tests are available for comparing hybrids within a single trial. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson,[1] is quite simple to apply and is more appropriate than most other tests. When two hybrids are compared and the difference between them is greater than the tabulated L.S.D. value, the hybrids are judged "significantly different."

When the observed mean of hybrid A is larger than that of hybrid B and the difference between them is found to be significant, one of three possibilities has occurred: (1) the mean of hybrid A really is larger than that of hybrid B, and a correct decision has been made; (2) the means of hybrids A and B are really equal, and a Type I statistical error has been made (that is, the means were declared to be unequal when they were actually equal); or (3) the mean of hybrid B is really larger than that of hybrid A, and a reverse decision or Type III statistical error has been made (that is, the mean of A was declared to be greater than that of B, when the reverse is true).

When no significant difference is found between two hybrids, one of two possibilities has occurred: (1) the means are really equal, and a correct decision has been made; or (2) the means are really different, and a Type II statistical error has been made (that is, the means were declared to be equal when they really are different). In a study of the frequencies of occurrence of these three types of statistical errors and their relative seriousness, Carmer[2] found strong arguments for an optimal significance level in the range $a = 0.20$ to 0.40, where a is the Type I statistical error rate for comparisons between means that are really equal. Herein, values of $a = 0.10$ and 0.30 are used in computing the L.S.D. 10- and 30-percent levels shown in the tables. L.S.D. 10 and L.S.D. 30 are not calculated when the overall F test of differences among entries is not significant at the 5 percent level.

To make the best use of the information presented in this circular and to avoid any misunderstanding or misrepresentation of it, the reader should consider an additional caution about comparing hybrids. Readers who compare hybrids in different

trials should be extremely careful, because no statistical tests are presented for that purpose. Readers should note that the difference between a single hybrid's performance at one location and its performance at another is caused primarily by environmental effects and random variability. Furthermore, the difference between the performance of hybrid A in one trial and that of hybrid B in another is the result not only of environmental effects and random variability, but of genetic effects as well.

1990 GROWING CONDITIONS

Dry conditions in late April promoted early planting in Northern Illinois. Most of the corn was planted before the second week of May in the northern two-thirds of Illinois. The southern one-third of Illinois received rain through much of May. Consequently, very little corn was planted before June 1st. Dry conditions in late July and early August in Southern Illinois, contributed to a poor growing season. High temperatures during early September helped corn maturity and harvesting began in early October. Overall, the 1990 corn yield and moisture was above average and the crop was harvested without many weather problems. The Ina Sorghum Trial was not harvested due to herbicide drift from a nearby soybean field.

1990 TEST FIELDS

Woodstock

Location:	Northeastern Illinois (cool, humid).
Soil type:	Proctor silt loam (fertile, deep, well-drained, dark prairie).
Planting date:	May 1.
Harvest date:	October 17.
Cooperators:	Hughes Farms and Seed Company; Robert Hughes and Earl Hughes, Jr.

DeKalb

Location:	University of Illinois, Northern Illinois Research Center, southwest of DeKalb.
Soil type:	Flanagan silt loam (dark brown, adequately drained, highly fertile).
Planting date:	May 1.
Harvest date:	October 16.
Cooperators:	Lyle Paul, research director; David Lindgren, farm foreman.

Dwight

Location:	Livingston County.
Soil type:	Elliott silty clay loam.
Planting date:	April 30.
Harvest date:	October 2.
Cooperator:	Larry Zabel.

Monmouth

Location:	University of Illinois, Northwestern Illinois Agricultural Research and Demonstration Center.
Soil type:	Muscatine silt loam.
Planting date:	April 25.
Harvest date:	October 11 & 12.
Cooperator:	Mike Mainz, research director.

Kilbourne (Irrigated)

Location:	University of Illinois, Illinois River Valley Sand Field, 10 miles west of Kilbourne, Mason County, central Illinois.
Soil type:	Plainfield sand.
Planting date:	May 2.
Harvest date:	October 4.
Cooperator:	Stan Sipp, research director.
Irrigation:	Applied as supplement to rainfall when needed to maintain a total water supply of 1 inch every 4 days. Also supplied 362 total pounds of nitrogen in 4 applications throughout the growing season.

Urbana

Location:	University of Illinois Agronomy South Farm, Champaign County, east central Illinois.
Soil type:	Drummer silt loam.
Planting date:	April 27.
Harvest date:	October 5 & 6.
Cooperators:	Gene Oldham, superintendent; Mike Plotner, farm foreman.

Perry

Location:	Orr Research Center, Pike County, south central Illinois.
Soil type:	Muscatine silt loam (moderately poorly drained).
Planting date:	April 26.
Harvest date:	October 1.
Cooperators:	Glenn Raines, research director; Mike Vose, farm foreman.

Brownstown

Location: University of Illinois, Brownstown Experimental Field, Fayette County, south central Illinois.
Soil type: Cisne silt loam (poorly drained, gray prairie with a well-developed claypan).
Planting date: Corn - June 6; Sorghum - June 13.
Harvest date: Corn - October 23; Sorghum - October 26.
Cooperators: John Sawyer, research director; Jim Carter, farm foreman.

Dixon Springs

Location: University of Illinois Dixon Springs Agricultural Center, Pope County, extreme southern Illinois.
Soil type: Sharon silt loam (light-colored, moderately well drained, medium-textured bottomlands). Alford silt loam (upland soil).
Planting date: Corn - June 5; Sorghum - June 5, replanted July 2.
Harvest date: Corn - October 24; Sorghum - November 9.
Cooperators: Steve Ebelhar, research director; David Wright, foreman; Ron Hines, research specialist.

Ina

Location: Rend Lake College, Jefferson County, south central Illinois.
Soil Type: Cisne silt loam.
Planting date: Corn - June 14; Sorghum - June 14.
Harvest date: Corn - October 30; Sorghum - not harvested.
Cooperator: Dave Scott, Coordinator for Rend Lake College.

GROWING SEASON RAINFALL, 1990

Location	May	June	July	Aug	Sept
Woodstock	5.40	5.00	3.62	4.09	0.76
DeKalb	5.25	5.65	4.19	4.61	1.23
Dwight	5.83	6.90	4.69	4.95	0.65
Monmouth	6.15	8.37	6.48	3.37	1.04
Kilbourne	6.82	11.81	6.99	4.89	1.99
(By irrigation)	0.00	0.00	1.50	4.50	1.50
Urbana	9.06	8.42	3.98	2.51	1.36
Perry	7.45	5.43	5.41	2.12	2.31
Brownstown	10.00	4.76	1.83	1.85	1.97
Ina	11.80	2.80	2.30	1.20	5.10
Dixon Springs	11.11	1.73	2.52	4.13	3.48

SUMMARY OF ILLINOIS HYBRID CORN TESTS, 1990

Field, County, location and number of entries	Date planted	Date harvested	Avg. yld (B/A)	Grain mst. (%)	Erect plants (plt./A)	Avg. pop.
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 152	June 6	Oct. 23	107	30.6	97	17,748
Ina: Jefferson, Ex.S, 88	June 14	Oct. 30	98	30.1	99	20,992
30-inch rows, 24,000 plants per acre						
Woodstock: McHenry, Ex.N, 140	May 1	Oct. 17	147	31.7	99	21,575
DeKalb: DeKalb, N, 230	May 1	Oct. 16	150	23.8	96	21,833
Dwight: Livingston, ENC, 196	April 30	Oct. 2	152	18.7	98	22,442
Monmouth: Warren, WNC 231	April 25	Oct. 11	181	19.3	98	22,088
Urbana: Champaign EC, 308	April 27	Oct. 5-6	161	23.2	99	22,350
Perry: Pike, WSC, 132	April 26	Oct. 1	157	22.6	100	18,403
30-inch rows, 26,000 plants per acre						
Dixon Springs Bottomland: Pope, Ex.S, 112	June 5	Oct. 24	155	29.1	99	19,046
Dixon Springs Upland: Pope, Ex.S, 30	June 5	Oct. 24	148	29.3	99	23,498
30-inch rows, 28,000 plants per acre						
Kilbourne: Mason, C, 88	May 2	Oct. 4	140	20.9	97	22,284
Monmouth Waxy: Warren, WNC, 24	April 25	Oct. 12	173	20.0	97	22,178

Agra-Tech Hybrids, Agratech Seeds, Inc., 5559 N. 500W, McCordsville, IN 46055
Agrigene Hybrids, Agrigene Seed Research, 11331 Aurora Ave., Des Moines, IA 50322
Agrinetics Hybrids, Agrinetics, Inc., 1020 E. Ogden Ave., Box 151, Naperville, IL 60566
Ainsworth Hybrids, Ainsworth Seed Co., R.R. 1, P.O. Box 153, Mason City, IL 62664
Americana Hybrids, Americana Seeds, Inc., Box 275, Bowen, IL 62316
Asgrow Hybrids, Asgrow Seed Co., 7000 Portage Road, Kalamazoo, MI 49001
Asgrow Sorghum Hybrids, Asgrow Seed Co., Box 1945, Plainview, TX 79072
Atlas S-Brand Hybrids, Atlas S-Brans Seed Co., R.R.1, Box 149, Harlan, IA 51537
Augusta Hybrids, Augusta Seed Co., RR2, Box 16B, Mt. Solon, VA 22843
Beck's Hybrids, Beck's Hybrids, 6767 E. 276 St., Atlanta, IN 46031
Betagold Hybrids, Betaseed, Inc., P.O. Box 195, Shakopee, MN 55379
Bo-Jac Hybrids, Bo-Jac Hybrid Corn Co., R.R. 2, Box 11, Mount Pulaski, IL 62548
Burrus Hybrids, Burrus Bros. & As. Growers, R.R. 1, Box 22, Arrenzville, IL 62611
CFS Hybrids, Custom Farm Seed, P.O. Box 160, Momence, IL 60954
Callahan Hybrids, Callahan Seeds, Inc., 1122 E. 169th St., Westfield, IN 46074
Cargill Hybrids, Cargill, Inc., P.O. Box 5645, Minneapolis, MN 55440
Challenger Hybrids, Challenger Seed Co., P.O. Box 747, Cedar Falls, IA 50613
Cornelius Hybrids, Cornelius Seed Corn Co., R.R. 1, Bellevue, IA 52031
Crow's Hybrids, Crow's Hybrid Corn Co., Box 306, Milford, IL 60953
Dairyland Hybrids, Dairyland Seed Co., Inc., P.O. Box 958, West Bend, WI 53095
DeKalb Hybrids, DeKalb Plant Genetics, 3100 Sycamore Road, DeKalb, IL 60115
DeKalb Sorghum Hybrids, DeKalb Genetics Corp., Rt 2, Box 56, Lubbock, TX 79415
Dyna Gro Hybrids, United Agri Products, 419 18th St., Greeley, CO 80632
EK Premium Hybrids, EK Premium, R.R. 1, Berwick, IL 61417
Exseed Hybrids, Exseed Services, P.O. Box 272, Bristol, IL 60512
Federal Hybrids, Federal Hybrids, 5420 35th Ave., Marion, IA 52302
Fontanelle Hybrids, Fontanelle Hybrid Seed Co., R.R. 1, Box 18, Nickerson, NE 68044
Frey Hybrids, Frey Hybrid Corn Co., Inc., P.O. Box 116, Gilman, IL 60938
Funk's G-Hybrids, Ciba-Geigy Seed Division, P.O. Box 18300, Greensboro, NC 27419
Funk's G-Brand Sorghum Hybrids, Ciba-Geigy Seed Division, P.O. Box 18300, Greensboro, NC 27419
Golden Acres Hybrids, Golden Acres Seed Co., 8888 Parsons Rd., P.O. Box 226, Croton, OH 43013
Golden Harvest Hybrids, Golden Seed Co., Inc., 27420 137th Ave. N., Cordova, IL 61242
Golden Harvest Hybrids, Thorp Seed Co., Rt. 3, Box 257, Clinton, IL 61727
Great Lakes Hybrids, Great Lakes Hybrids, Inc., 9915 W. M-21, Ovid, MI 48866
Griffith Pure Line Hybrids, Griffith Seed Co., Box 38, McNabb, IL 61335
Growmark Hybrids, Growmark, Inc., 1701 Towanda Ave., Bloomington, IL 61702-2500
Gutwein Hybrids, Fred Gutwein & Sons, Inc., R.R. 1, Box 40, Francesville, IN 47946
Hawkeye Hybrids, Hawkeye Hybrids, Inc., R.R. 3, Box 416, Pella, IA 50219
Henkel Hybrids, Henkel Seeds, Inc., 107 Cedar Grove Rd., Mendota, IL 61342
Hoblit Hybrids, Hoblit Seed Co., Box 487, Atlanta, IL 61723
Hughes Hybrids, Hughes Hybrids, Inc., 603 N. McKinstry Road, Woodstock, IL 60098
HyPerformer Hybrids, HyPerformer Seed Co, 5100 Poplar, S. 3200, Memphis, TN 38137
Iowa-Missouri Hybrids, Iowa-Missouri Seed Corn Co., Inc., P.O. Box 481, Keosauqua, IA 52565
Jacques Hybrids, Jacques Seed Co., 720 St. Croix, Prescott, WI 54021
Jader Hybrids, Ridgway Seed Co., Box 212, Ridgway, IL 62979
J.M.S. Hybrids, J.M. Schultz Seed Co., 105 Pine St., Dieterich, IL 62424
Jung Hybrids, Jung Farms, Inc., 335 S. High Street, Randolph, WI 53956
Kaltenberg Hybrids, Kaltenberg Seed Farms, Inc., 5506 Highway 19, Box 278, Waunakee, WI 53597
Lewis Hybrids, Lewis Hybrids, Inc., Box 38, Ursa, IL 62376
Lynks Hybrids, Lynks Seeds, P.O. Box 637, Marshalltown, IA 50158
McAllister Hybrids, McAllister Seed Co., Inc., P.O. Box 28, Mt. Pleasant, IA 52641
McCurdy Hybrids, McCurdy Seed Co., 522 E. Main St., Fremont, IA 52561
NobleBear Hybrids, NobleBear, Inc., P.O. Box 529, Gibson City, IL 60936
Northrup-King Hybrids, Northrup-King Co., P.O. Box 959, Minneapolis, MN 55440
Pfister Hybrids, Pfister Hybrid Corn Co., P.O. Box 187, El Paso, IL 61738
Pioneer Hybrids, Pioneer Hi-Bred International, Inc., 1000 W. Jefferson, Tipton, IN 46072
Pocklington Hybrids, Pocklington Seed Co., R.R. 2, Box 78, Girard, IL 62640
Prairie Stream Hybrids, Prairie Stream Farms, Inc., R.R. 3, Box 333, Frankfort, IN 46041
Querna Hybrids, Querna Seed Co., Inc., R.R. 2, Danville, IA 52623
Renk Hybrids, Renk Seed Co., Inc., 6800 Wilburn Rd., Sun Prairie, WI 53590
Ronco Hybrids, Ronco Ag-Genetics, 121 N. First St., Shelbyville, IL 62565
Seedex Hybrids, Seedex, Inc., P.O. Box 231, Sheridan, IN 46069

Shissler GR-8 Hybrids, Shissler Seed Co., R.R. 3, Elmwood, IL 61529
Sieben Hybrids, Sieben Hybrids, Inc., Highway 82N, Geneseo, IL 61254
Southern Cross Hybrids, Miles Seed Co., Inc., 2760 Keller Rd., Owensboro, KY 42301
Sparta Hybrids, Sparta Seed Co., R.R. 5, Box 32A, Galesburg, IL 61401
Specialty Grains Hybrids, Specialty Grains, Inc., 3001 Gill St., Bloomington, IL 61704
Stewart Hybrids, Stewart Hybrids, Inc., Rt. 1, Box 8, Princeville, IL 61559
Stone Hybrids, Stone Seed Farms, Inc., Rt. 2, Pleasant Plains, IL 62677
Sturdy Grow Hybrids, Sturdy Grow Hybrids, Inc., P.O. Box 194, Arcola, IL 61910
Sun Prairie Hybrids, Champaign County Seed Co., Inc., Rt. 2, Box 2, St. Joseph, IL 61873
Super-Crost Hybrids, Edward J. Funk & Sons, Inc., P.O. Box 67, Kentland, IN 47951
Terra Hybrids, Terra International, Inc., 950 S. Broadway, Lima, OH 45804
Triple J. Hybrids, Triple J. Seed Farms, 7615 N. 500 West, McCordsville, IN 46055
Trisler Hybrids, Trisler Seed Farms, Inc., R.R. 1, Box 153, Fairmount, IL 61841
Triumph Hybrids, Triumph Seed Co., Inc., P.O. Box 1050, Ralls, TX 79357
Twin States Hybrids, Twin States Seed Co., R.R. 3, Box 244, Hoopeston, IL 60942
Uphoff Hybrids, Uphoff Seeds, P.O. Box 647, Charleston, IL 61920
Vineyard Hybrids, Vineyard Seed Co., Inc., Rt. 1, Box 147, Homer, IL 61849
Voris Hybrids, Voris Seeds, Inc., P.O. Box 457, Windfall, IN 46076
Watson Hybrids, Watson Seed Farms, R.R. 2, Macomb, IL 61455
Whata Hybrids, Whata Hybrid, Inc., 8908 W. Sabin Church Rd., Pearl City, IL 61062
Whisnand Hybrids, Whisnand Hybrids, R.R. 1, Box 48, Arcola, IL 61910
Wilson Hybrids, Wilson Hybrids, Inc., P.O. Box 391, Harlan, IA 51537
Zimmerman Hybrids, Zimmerman Hybrids, Inc, 5147 W. Franklin, Evansville, IN 47712

WOODSTOCK (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS				1989 RESULTS				1988 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AGRINETICS												
8511	141	29.9	100	18218	143	21.6	95	18730	153	24.9	100	24000
8512	154	32.8	98	23383	126	23.0	97	19515	136	24.2	100	23733
8714	173	32.4	99	22383	126	23.4	97	17361				
ASGROW												
RX578	159	29.5	100	22419	155	22.3	99	20507	159	22.6	100	24000
RX626	149	32.5	100	19330	148	20.9	100	21365	130	21.2	100	24000
RX727	135	35.3	99	22755								
RX746	166	31.3	99	23318	139	24.4	95	22236	155	24.5	100	24000
BETAGOLD												
HANNA	143	27.5	99	21141	144	19.9	96	21676				
KARLA	128	25.2	99	21695	135	17.8	98	20051				
KATRINA	143	26.2	99	22628	145	18.1	100	21857				
MARIA	154	30.4	99	24000	144	21.0	100	19171	143	24.0	100	23333
MARTA	141	32.2	99	22295	132	23.7	99	19225				
CALLAHAN												
21916X	162	29.1	99	23305								
C743	152	25.6	100	23029	135	20.0	98	23577	132	20.5	100	24000
C748	149	31.6	100	23300	129	22.2	100	20839				
C759	162	34.1	98	23068								
C764	158	33.6	100	22963	144	24.3	98	22369				
C765	146	31.7	98	23126	149	22.7	98	21082	162	24.5	100	24000
CARGILL												
4227	143	25.4	100	23592	135	19.4	97	22496	134	20.3	100	24000
4327	125	29.7	100	20608	141	20.3	98	20680				
5327	152	30.1	99	21501								
6227	147	34.1	100	19050	138	24.1	99	23371	150	25.7	100	24000
6927	153	30.3	100	21681	144	21.8	97	21041	152	24.9	100	24000
CORNELIUS												
C434	133	27.1	99	20535	153	20.5	99	22266				
C601	155	34.5	99	21641								
C612A	169	32.5	96	22418	149	20.6	100	23091				
C614	129	34.0	100	22210								
CROW'S												
210	146	27.8	99	23714	124	21.4	97	17621	141	19.7	100	24000
227	128	32.0	99	20372	128	19.6	98	21537				
237	149	30.7	98	23698								
414	135	28.6	99	22980								
449	141	34.5	100	21877	160	26.6	99	22125				
488	127	36.8	98	20088	139	23.8	100	19212	151	25.1	94	24000
DAIRYLAND												
DX1106	126	32.4	99	21628	149	21.3	98	20844	163	22.0	100	24000
DX1110	144	35.9	99	20754	128	23.8	100	21274				
DX1204	138	30.0	100	23156								
DEKALB												
DK-485	160	26.4	98	22407								
DK-535	154	29.0	99	22829	138	20.0	98	21243	153	20.2	100	24000
DK-547	156	29.8	100	21481	124	19.8	100	19749	164	21.8	100	24000
DK-584	156	29.3	100	22957	146	21.4	98	20845				
DK-612	153	31.9	100	22369	134	23.1	99	19025				
DYNA GRO												
5351	132	29.2	100	22230								
5410	135	31.1	100	19473								
5470	148	33.4	100	21495								
EK PREMIUM												
EK7725	129	29.1	100	18403	142	18.6	98	22530				
EK7734	124	32.0	98	18815								
EK7740	133	33.2	97	21671	132	21.7	100	21139				
EK7772	142	32.6	100	22660								
EXSEED												
XS-1042	149	27.1	100	22805								
XS-1052	120	29.0	98	17367	129	19.9	95	20825				
XS-1061	135	30.9	100	22309	134	23.0	98	22538				
XS-1102	159	31.0	100	23941	143	20.5	98	22022	159	25.1	98	24000
XS-1112	143	35.2	99	19859								
XS-1131	155	37.7	98	22627	146	25.7	95	22136	179	32.6	100	24000
XS-1132	129	35.5	96	17701	130	27.4	97	22755	161	28.4	100	24000
XS-1152	141	36.1	98	21853								
FEDERAL												
FX15	109	22.9	97	19056								
FX35	150	31.8	99	21127								
GOLDEN HARVEST												
H-2477	162	31.1	96	23046								
H-2525	158	33.6	97	21924	147	23.8	99	22698				
H-2532	181	32.2	98	23711	157	24.9	96	21603	168	24.7	100	24000
H-2572	156	34.3	99	23299	138	26.7	95	22093	135	27.6	100	24000

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GREAT LAKES												
GL 509	151	29.4	100	22871	152	19.3	98	18684	145	22.2	100	24000
GL 582	157	33.1	99	21358	132	24.2	100	20146	156	23.7	100	23733
GL 590	149	32.4	100	22313	138	22.4	99	20366	138	24.0	100	23867
GL 595	165	33.5	99	23214	134	27.0	97	22032				
GROWMARK												
FS 2166	144	24.5	99	22449								
FS 2368	135	27.5	98	22495	151	20.1	99	21226	139	20.3	100	24000
FS 4624	140	29.1	100	22730								
FS 4710	140	33.3	100	20196	129	21.9	98	22070				
HENKEL												
H-150	149	31.2	99	23892								
H-160	149	32.8	100	22036	85	22.1	96	18088	158	20.9	100	24000
H-175	168	33.3	100	20924	148	23.1	97	21591	153	24.6	100	24000
H-180	160	33.0	100	21807								
H-185	153	31.8	100	20430					153	24.0	100	24000
HUGHES												
3129	125	25.2	100	20255								
3828	144	29.3	100	24000								
3885	151	24.8	100	23823	156	19.7	97	22483	149	19.9	100	23733
5510	160	31.7	99	22255	158	22.2	100	22004	163	21.0	100	24000
5870	153	32.4	100	22516	149	22.8	98	22749	155	23.2	100	24000
D-30	134	32.4	100	15206								
E-120	150	30.3	97	20227								
JACQUES												
6770	149	31.8	100	23410	148	20.7	100	23206				
7770	158	31.9	97	23350	150	22.9	99	23663	162	24.3	100	24000
JUNG												
2782	150	31.4	97	22082	150	21.0	100	18799				
2790	128	32.2	99	20894	139	23.9	98	22441				
2840	132	36.7	98	20112	126	28.2	96	21657				
KALTENBERG												
K 6305	159	31.9	100	23780								
K 6902	151	31.6	99	20931								
K 7000	152	33.8	99	20223					150	23.6	100	24000
LYNKS												
2585	156	30.3	99	20956								
4084	161	26.9	99	22483								
MCCURDY												
4888	156	28.4	99	19424								
4925	159	31.0	100	23026	152	21.4	100	21937	163	20.9	100	23467
5222	149	28.8	99	22179	155	20.0	96	22954				
6222	171	33.8	100	23545	142	23.9	99	20169				
NOBLE-BEAR												
NB422	144	31.5	99	23066								
NB430	158	32.0	100	21593								
NB484	175	33.7	100	21984								
X8500	140	28.6	100	24000								
NORTHRUP KING												
N 4428	135	26.4	99	23777								
N 4545	150	28.4	100	21607	142	20.1	95	23352	134	19.6	100	24000
PFISTER												
2250	163	30.3	99	21418	162	22.1	100	22830	173	20.9	100	24000
2995	154	35.4	99	21459	162	24.8	98	19918				
PIONEER												
3343	149	33.7	100	19636	129	24.6	97	20053	176	26.4	100	23067
3344	143	35.7	99	17615	142	24.3	98	19757				
3362	150	34.3	99	17768	145	26.9	99	19344				
3374	149	31.8	98	20795	107	23.7	100	15759				
3379	164	34.9	100	20392	135	23.5	100	20097	147	27.0	100	23733
3417	139	32.7	100	19439								
3475	158	29.3	97	18953	149	22.1	95	21035	118	21.4	100	24000
3503	142	29.8	97	19140								
3578	159	27.9	99	19646	161	20.1	99	18825				
3751	153	24.0	100	22404	128	17.2	98	18047	145	17.9	100	24000
X9513	164	31.0	99	20165								
X9514	156	30.5	100	17989								
RENK												
RK64	140	31.4	99	21873	159	21.0	97	19151	124	24.3	100	23867
RK646	138	26.5	100	18713								
RK702	144	31.7	100	20489	144	20.8	100	20668				
RK721	158	32.5	100	20973	113	23.8	100	22143	152	23.8	100	24000
RK76	132	34.7	100	22616	138	25.1	100	21383	140	26.9	100	23467
RK803	156	32.8	99	23771	146	23.4	96	21942	150	24.4	100	24000
RK873	164	32.5	96	23026	140	25.5	100	22019	170	23.4	100	24000

WOODSTOCK, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
SHISSLER												
GR-8 150	130	27.1	100	22099								
GR-8 170	163	33.3	99	21036								
LG 2490	134	26.4	100	19675								
LG 2550	169	29.7	99	23258	143	20.4	99	21872				
SUPER CROST												
A3051	146	33.6	100	19940								
TERRA												
TR 1010	136	26.9	100	23162								
TR 1020	153	28.3	99	22524								
TR 1040	148	31.0	100	19565	133	21.7	98	21737				
TR 1090	150	34.6	100	20514								
VINEYARD SEED CO.												
FC 540	129	34.7	99	21254								
V 427W	127	35.9	100	21306								
V 452W	136	35.4	100	22094								
VX 52W	120	35.3	99	17600								
WHATA HYBRID												
4475	129	29.4	100	22578								
4755	139	31.0	99	21956	144	20.3	99	20944				
WILSON												
1170	152	24.4	100	22690								
1400	151	28.2	95	21245								
AVERAGE	147	31.1	99	21575	139	22.1	98	21056	145	23.2	100	23809
L.S.D. 10% LEVEL	21	1.7	2	2449	21	1.2	3	2529	28	1.3	1	569
L.S.D. 30 % LEVEL	13	1.1	1	1543	13	0.8	2	1593	18	0.8	1	359
STD ERR OF CULTIVAR MEAN.	9	0.7	1	1049	9	0.5	1	1084	12	0.5	1	244

DEKALB (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRIGENE												
AG 6450	135	26.1	96	20162	161	19.6	98	21969				
AG 7400	147	26.6	96	21786	171	20.7	99	22334				
AGRINETICS												
8511	142	22.7	98	16153	166	17.7	97	21314	172	24.1	98	24000
8512	169	26.9	97	23397	151	18.8	99	20450	200	24.9	100	24000
8515	176	27.4	97	16054	159	20.1	99	17409	185	25.9	100	22316
8714	142	23.1	99	21348	180	18.1	100	18248				
ASGROW												
RX578	136	21.3	97	22218								
RX626	147	21.4	96	22937	162	17.5	99	20968	192	22.9	100	24000
RX706	164	25.5	98	21946	179	18.2	99	22888				
RX727	151	25.2	98	21873								
RX746	161	24.4	98	23434	177	19.3	99	22719	201	25.2	100	24000
RX788	168	27.9	98	23429	189	20.6	100	22860	198	26.3	100	23965
ATLAS S-BRAND												
SS 57A	127	22.3	100	19259	159	19.4	98	21274	200	24.5	100	23686
SS 60C	158	25.9	95	23064	163	19.7	99	20343	205	25.3	100	24000
SS 62A	170	26.9	91	21528	164	18.9	100	21731	204	28.0	100	23690
BECK'S												
54XA	141	25.7	99	23147	155	17.4	100	21559	190	25.2	100	23314
56X	173	25.5	92	21966	172	18.6	98	19961	192	24.6	100	23688
57X	158	26.4	97	23835								
63X	140	30.1	95	20448	172	20.6	99	21987	206	26.8	100	23943
66X	151	24.8	90	23811								
BETAGOLD												
HANNA	146	18.4	98	22568	159	16.8	99	20041				
KARLA	145	18.1	90	23623	163	16.4	100	23540				
KATRINA	138	17.4	96	23554	146	15.9	100	22012				
MARIA	156	22.1	94	23569	150	17.8	100	22328	174	25.9	100	23256
MARTA	161	24.5	91	23608	150	19.1	100	19009				
BO-JAC												
454	184	25.6	98	24000	163	19.1	99	21622	208	25.5	100	23910
520	137	22.1	98	21012								
602	142	28.0	97	19790	164	20.2	100	21187	202	26.8	100	24000
CALLAHAN												
C748	161	20.2	99	22842	157	17.8	99	24000				
C759	137	22.6	96	21523								
C764	143	22.4	98	20570	145	18.7	100	20988				
C765	161	25.2	93	22044	146	19.7	99	22873	183	25.8	100	23893

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
CARGILL												
4227	145	18.1	95	22875								
4327	150	21.2	95	23339	170	15.9	100	23182				
5327	139	20.8	96	22066								
6227	153	23.5	95	21378	179	18.7	99	22631	190	25.7	100	23994
6927	167	25.6	94	23804	180	19.0	100	22113	195	24.6	100	23980
CFS												
6025	127	21.5	98	19273								
6322	143	23.3	96	23236								
7501	144	27.1	92	21231	176	20.3	98	23181	196	26.5	100	23933
7707	159	26.7	97	22198	179	20.4	99	23086				
CHALLENGER												
CS403	154	21.7	98	23028								
CS405	147	20.7	95	24000	153	17.5	99	20081	174	22.3	100	24000
CS406	155	20.2	97	23756	160	18.3	97	22263	204	23.0	100	23738
CS409	138	23.1	94	20970	160	18.1	100	21647	203	26.3	100	23490
CS410A	171	25.1	96	22606	187	17.9	98	20761				
CS411	158	24.3	95	22426	157	18.9	99	18825	184	26.0	100	23999
CS412	153	27.0	98	20891	176	19.4	100	21166	211	26.6	100	23742
CS414	156	28.0	94	22601								
CS507	144	21.3	95	23594								
CORNELIUS												
C446	132	19.5	94	22587								
C601	142	22.7	93	22773	175	17.9	99	22558	205	25.3	100	24000
C612	162	23.1	92	21545	176	18.9	100	23440	198	25.0	100	24000
CROW'S												
237	144	19.6	89	23290								
414	137	17.2	96	23046								
449	146	22.6	96	22827	191	18.4	99	20973				
482	159	26.0	97	22975	173	18.2	100	16822	195	24.9	100	23984
488	162	24.3	97	21074	176	17.7	100	17881	209	25.8	98	23982
498	152	24.4	98	23461								
669	165	28.7	97	23215	152	21.9	98	16919				
697	178	28.3	99	21695								
DAIRYLAND												
DX1014	154	25.8	94	21619	150	18.4	97	20298	193	25.8	100	23692
DX1015	156	25.1	96	22579	165	21.0	100	21162	192	25.6	100	22685
DX1018	164	30.1	97	23053	172	21.1	100	20428	193	27.8	100	23999
DX1106	137	21.5	99	20186	198	18.1	100	22648	195	23.2	100	23997
DX1110	142	23.8	100	21172	172	18.1	100	20842				
DX1117	146	27.9	96	19528	184	21.2	100	21707				
DX1204	125	19.6	97	23037								
DEKALB												
DK-535	146	20.2	97	23714	164	17.0	100	21363	197	22.1	100	24000
DK-547	101	22.7	99	16094	154	16.7	100	20909	169	22.4	100	24000
DK-570	156	23.1	97	22393								
DK-584	132	22.1	95	19571	174	18.0	98	20128				
DK-612	151	25.0	93	23896	128	19.1	97	21415				
DYNA GRO												
5410	153	23.5	95	19742								
5470	149	23.5	94	22843								
5491	155	25.3	97	22087								
EK PREMIUM												
EK7725	123	19.6	97	15493	158	16.5	100	22040	170	21.4	100	23742
EK7734	131	20.1	97	15586								
EK7736	127	20.5	95	18931								
EK7740	131	26.1	93	22580	172	18.1	98	17363	183	24.8	100	24000
EK7772	160	24.9	92	22951					175	25.8	100	24000
EK7796	134	28.2	92	15243	167	20.7	100	23274				
EK7796NI	146	27.7	94	22521								
EXSEED												
XS-1061	149	19.1	97	23546	166	17.1	100	23358				
XS-1102	142	24.5	96	24000	176	18.2	99	22061	218	25.3	100	23996
XS-1112	160	28.2	95	17474								
XS-1131	147	25.3	89	23362	171	19.3	100	23163	202	30.0	98	24000
XS-1132	144	28.3	98	17953	154	21.1	100	20916	204	26.6	100	23980
XS-1152	158	29.4	98	23308								
FEDERAL												
FX36	131	26.8	96	17630								
FX37	148	22.1	97	23871	172	18.2	99	21179	180	24.5	100	23722
FX37A	141	22.0	96	21376								
FX38B	109	18.6	97	19980								
FUNK'S G BRAND												
G-4385	156	21.0	99	23381								
G-4393	161	20.6	98	23229								
G-4450	131	23.6	96	22577								
G-4485	138	25.0	97	21107								
G-4490	132	25.1	99	22803								

DEKALB, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GOLDEN HARVEST												
H-2477	166	24.4	96	24000								
H-2525	135	23.0	95	24000	160	18.0	99	22673				
H-2532	195	23.7	93	23304	180	18.6	98	20638	211	24.9	100	23930
H-2572	165	26.5	99	22546	183	20.5	99	22067	190	26.4	100	22394
GREAT LAKES												
89823	140	24.0	90	20601								
GL 582	165	22.7	99	22859	172	17.7	100	19553	199	25.5	100	23895
GL 590	161	25.3	94	20553	146	19.1	96	20506	187	25.7	100	21739
GL 595	154	24.0	90	20764	170	18.8	99	21806				
GL 599	146	27.2	95	21189	157	20.5	98	20540				
GRIFFITH PURE LINE												
PL 119	148	20.6	94	20626								
PL 130	145	22.4	98	23121	170	17.6	100	22760	182	26.2	100	23961
PL 2149X	138	20.7	97	22284								
PL 235	149	25.3	91	17393	166	18.6	100	20051	194	25.4	100	23596
PL 280	176	26.8	100	17697	148	20.9	100	22444	212	26.6	100	23984
GROWMARK												
FS 4624	138	20.5	96	23570								
FS 4710	144	20.2	95	20952	155	17.3	100	22115				
FS 6595	146	23.9	97	22346	157	17.9	99	23839				
FS 6774	161	25.7	100	20336								
GUTWEIN												
2191	172	19.8	95	23496								
2425	147	22.2	96	22824								
2484	151	23.4	99	23293								
2605	162	25.6	95	24000								
HENKEL												
H-150	159	22.0	94	24000								
H-160	150	20.3	98	24000	122	18.1	99	21811	193	22.8	100	23842
H-175	148	23.0	97	22710	154	19.0	99	21384	191	24.1	100	23987
H-180	159	22.2	95	21486								
H-185	155	23.9	94	23194	182	18.5	100	22085	201	24.7	100	23963
H-21	159	27.0	99	21552	157	21.0	99	22426	204	26.7	100	23440
HUGHES												
3828	140	20.8	98	24000								
3885	139	19.3	96	22110	156	17.6	100	22807	191	21.2	100	23942
5510	135	20.6	97	17832	177	17.4	99	22564	191	22.3	100	23386
5777	129	24.3	98	21147	139	17.9	99	23641	204	25.6	99	23472
5870	161	25.5	97	22055	163	19.2	100	21264	192	24.6	100	22947
5919	151	23.6	97	22671								
D-30	137	21.3	98	20350								
D-40	169	26.9	98	23376								
E-120	157	24.0	95	20560								
E-70	161	27.8	99	23070								
J.M. SCHULTZ												
SX1051	155	21.4	94	20052								
SX1101	150	22.2	92	23258								
SX9009	146	23.6	96	18088								
JACQUES												
6770	150	20.4	98	23158	165	17.3	100	23065				
7770	157	24.5	95	23365	184	18.8	100	22721	204	25.4	100	23824
7820	147	26.7	97	21541	156	18.6	97	22404	204	26.4	100	24000
7910	158	24.6	94	22956								
JUNG												
2782	155	22.8	94	19215	135	19.1	97	23609				
2790	147	25.3	95	19778	166	21.0	99	22395				
2840	146	28.3	97	22504	181	21.5	97	23418				
KALTENBERG												
K 7000	139	25.5	97	24000								
K 7500	165	25.5	91	23817	166	19.8	100	20554	202	25.0	100	23949
K 7504	174	23.0	96	22056								
LYNKS												
2711	154	22.3	95	21414	135	19.7	98	16709				
2757	155	26.2	96	23953								
MCCURDY												
4925	139	21.1	93	21907	164	18.0	100	23412	180	22.7	100	24000
5222	160	22.1	96	20782	168	18.5	99	21494				
6222	161	22.9	96	23582	166	19.4	100	20567				
6660	157	24.2	99	23149								
NOBLE-BEAR												
NB422	166	25.8	98	23192	180	20.5	98	19728	197	24.7	100	23785
NB430	151	22.2	97	20810	140	18.7	100	21626				
NB484	161	24.2	97	23697	163	18.6	100	22003				
X8500	141	21.2	92	23733								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
NORTHRUP KING												
N 4428	158	20.5	97	23847								
N 4545	140	19.7	99	22444	144	18.2	99	23719	167	21.9	100	23995
N 6330	139	23.2	95	20672								
N 6560	163	25.0	96	22508	166	20.5	99	23091				
PFISTER												
2375	141	22.6	98	23481								
3000	171	24.8	96	22416	161	20.1	98	20826	196	25.8	100	23993
PIONEER												
3343	151	27.1	94	19235	189	19.8	97	20591	166	27.6	100	21811
3344	164	24.5	93	20602	178	18.2	98	20990				
3362	180	24.9	98	20930	150	19.1	98	19684				
3374	141	25.9	99	19581	149	19.3	98	19483				
3379	171	26.8	100	21645	160	18.2	99	20714	203	27.3	100	23987
3417	158	24.3	96	22556								
3475	142	20.5	94	20638	155	19.0	98	20101	192	21.4	100	24000
3503	128	21.9	98	18678								
3578	141	21.1	97	20577	152	18.1	100	20238				
3751	122	16.7	96	20006	135	15.7	98	20014	182	19.0	100	21855
X9513	163	22.9	95	22628								
X9514	158	21.8	97	20317								
POCKLINGTON												
P291	144	19.9	97	22562								
P391	150	24.9	98	22376	179	20.0	97	18133				
P461	150	23.7	96	23045	149	18.4	99	21544				
P491	149	24.4	98	22703	168	18.6	100	23613				
P511	136	28.3	90	21745	167	21.8	97	22008				
PRAIRIE STREAM												
EXP475	157	27.5	96	20867								
SX420	158	22.9	97	22208								
RENK												
RK64	160	23.0	91	23647	152	18.5	98	22691	185	25.1	100	24000
RK646	139	20.4	93	22035								
RK702	151	22.3	97	23723	174	18.9	98	21159				
RK721	160	23.5	95	22565	172	19.4	96	23165	195	24.6	100	23843
RK76	149	28.1	93	21518	166	21.8	97	22594	199	26.4	100	24000
RK803	149	25.1	96	19838	162	21.4	99	23144	190	25.3	100	23890
RK873	144	22.6	95	20314	167	20.3	100	23682	200	24.0	100	23955
SEEDEX												
1090	138	23.8	97	23529								
1120	151	28.3	95	19697	177	21.5	97	21776				
SHISSLER												
GR-8 170	152	22.2	94	20408								
GR-8 173	167	23.8	95	23647	158	19.5	100	22509	195	24.3	100	23441
GR-8 179	144	25.3	97	20166	181	20.2	98	21920				
LG 2550	133	21.7	99	20601	141	19.6	98	22951				
SIEBEN												
25XS	148	23.3	98	21760	154	20.1	99	21588	198	25.1	100	24000
29XS	159	22.6	98	22554								
32XS	149	23.3	99	22105	155	19.4	100	21925	205	24.0	100	23468
37XS	163	25.1	96	23118	158	20.3	98	19424	212	24.4	100	24000
42XS	160	30.2	97	22541	175	21.5	100	19813	188	28.0	100	23972
43XS	164	26.9	98	20359	165	21.7	99	22827	203	26.7	100	23396
SPARTA												
5520	150	26.0	97	23572								
EX536	154	25.3	98	22857								
STEWART												
9106	143	21.9	96	21928								
SUPER CROST												
5415	158	27.4	95	19505	178	20.3	100	22559	203	26.7	100	23985
A3051	154	23.3	97	19915	144	17.8	100	21576	200	24.9	100	23208
TERRA												
TR 1010	153	18.6	95	22695								
TR 1020	128	17.7	99	21984								
TR 1040	145	23.8	95	20712	139	18.3	98	22538	181	24.9	100	24000
TR 1090	149	23.1	97	23448								
TR 1110	140	27.0	96	19798	176	18.7	100	20447	188	27.8	99	23189
TR 1120	152	26.6	98	22467	165	21.7	100	22725	195	27.0	100	23951
TR 1125	178	25.5	95	24000	163	20.5	99	22553	196	25.2	100	24000
UPHOFF												
635	149	25.7	96	23468								
VORIS												
V 2479	142	25.1	96	19947	172	18.7	99	22886				
V 2485	141	23.0	94	21138	163	19.5	100	21810	192	25.0	100	23672

DEKALB, continued

BRAND HYBRID	1990 RESULTS				1989 RESULTS				1988 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
WHATA HYBRID												
4475	138	21.3	96	22160								
4755	140	21.6	96	22812	173	18.2	99	22388				
497	145	26.0	97	20951	169	19.1	100	23873	189	26.7	100	24000
516	152	22.5	98	20561	160	18.6	100	23494				
539	153	25.7	94	21213	160	20.7	95	21885	193	25.3	100	23064
540	166	25.9	97	23136	161	20.2	99	22258				
543	163	22.3	96	22869	192	21.5	99	15777				
WILSON												
1640	151	25.5	93	21025								
2100	162	28.0	94	21631								
DEMAND 110	127	27.2	89	20229								
AVERAGE	150	23.8	96	21833	162	19.1	99	21485	188	24.9	100	23754
L.S.D. 10% LEVEL	21	1.9	4	2831	28	0.9	3	2512	17	1.5	2	825
L.S.D. 30 % LEVEL	13	1.2	3	1785	18	0.6	2	1583	11	0.9	1	520
STD ERR OF CULTIVAR MEAN.	9	0.8	2	1215	12	0.4	1	1076	7	0.6	1	354

DWIGHT (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS				1989 RESULTS				1988 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRINETICS												
8512	153	19.6	100	23207	149	19.1	93	21379	88	20.1	99	23862
8714	150	17.8	99	22294	149	18.1	86	14698				
AINSWORTH												
X-711	173	19.7	98	21827	157	19.6	93	20315	77	19.3	100	24000
X-808	152	17.1	98	19550	156	17.9	94	20008				
X-810	145	18.1	97	19128	176	19.9	91	20470				
ASGROW												
RX626	144	16.7	99	21683	159	17.6	98	21080	44	18.9	100	24000
RX727	146	20.0	96	23773								
RX746	145	19.8	98	19592	162	19.8	95	21556	69	20.2	100	24000
ATLAS S-BRAND												
SS 57A	152	18.7	99	20804	147	17.8	93	18970	45	20.7	100	23310
SS 60C	156	19.8	99	22608	153	19.1	94	18151	71	19.3	99	23862
SS 62A	138	19.6	97	22805	169	19.8	89	22247	62	21.7	98	24000
AUGUSTA SEED												
613	156	20.2	96	23565								
BECK'S												
56X	168	20.0	98	23376	152	19.5	91	19712	72	20.7	100	24000
57X	160	18.0	98	23151								
63X	176	21.4	100	22874					24	16.7	100	23724
74X	163	23.1	98	24000								
BO-JAC												
125	135	15.1	97	21749	153	15.7	94	20989				
454	165	19.6	98	22997	185	19.4	93	21504	60	20.0	100	24000
520	158	17.6	100	23258								
602	147	20.9	99	21205	181	20.5	86	22762	40	22.3	100	24000
X323	159	16.2	96	19310								
CALLAHAN												
C748	145	16.3	98	23109	155	17.5	92	19176				
C759	160	18.5	99	22939								
C764	153	17.0	99	23970	146	17.5	83	21201				
C765	167	19.6	98	23403	178	18.9	96	19465	46	19.7	99	24000
C771	153	20.6	99	23857	158	19.3	95	22942	38	22.7	99	23724
CARGILL												
6227	149	17.0	99	23710	131	17.4	91	21593	47	21.4	97	23310
6927	160	19.6	98	22243	154	18.8	92	20203	67	20.1	100	24000
7993	152	20.7	100	22023								
8027	114	20.7	100	20349								
8127	178	22.6	98	22969								
CFS												
6322	157	17.9	100	23784								
7501	154	20.8	98	21871	171	20.5	91	20424	42	21.1	100	23862
7615	143	19.9	100	23186					69	20.6	99	24000
W6057	144	17.7	100	22878								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
CHALLENGER												
CS403	153	15.3	97	21731								
CS405	143	15.8	100	23582	169	17.0	88	21593	61	17.5	91	24000
CS406	142	16.1	96	23983	144	18.9	87	18400	57	16.2	98	24000
CS409	147	17.8	100	22773	151	17.6	92	21742	86	19.8	95	23448
CS410A	155	17.8	97	22537	162	19.9	90	22812				
CS411	160	19.4	97	23028	163	18.8	96	18575	62	20.5	99	24000
CS412	151	20.8	99	22764	133	20.1	92	15270	51	22.3	100	20414
CS414	145	21.2	100	23226								
CS507	137	18.0	97	22131								
CORNELIUS												
C612	155	19.1	97	22699	168	19.3	90	20205	55	20.0	100	24000
CROW'S												
227	137	14.9	98	19594	147	17.3	88	17635				
237	150	14.4	97	24000								
414	126	13.4	92	23652								
449	140	18.1	96	23047	164	19.8	88	21300				
482	146	17.0	98	21361	154	19.9	96	16534	68	19.7	94	21379
488	197	17.4	99	24000	149	18.8	89	16441	51	20.1	97	24000
498	169	18.5	97	21408								
697	156	22.8	97	22830								
DAIRYLAND												
DX1014	157	20.1	99	23790	182	19.7	95	20882	71	19.6	100	24000
DX1018	165	22.1	99	22668	182	21.5	94	20184	54	21.0	99	24000
DX1110	144	18.3	97	20469	136	17.7	91	21948				
DX1117	143	21.4	97	22429	162	19.9	91	21576				
DEKALB												
DK-535	141	14.8	97	23627	141	16.6	95	20382				
DK-570	168	16.7	100	23243								
DK-584	159	16.2	98	24000								
DK-612	150	20.5	98	23560	177	19.4	96	21320				
DK-636	161	21.2	99	24000	165	19.8	94	20520	37	22.1	100	24000
DYNA GRO												
5470	131	17.2	97	21434								
5491	166	19.3	97	23615								
5550	137	22.1	99	22419								
EK PREMIUM												
EK7734	130	16.2	95	17993								
EK7740	136	18.6	99	22828	132	17.6	96	19243	38	18.7	100	24000
EK7772	152	19.2	96	23363					33	18.8	100	24000
FUNK'S G BRAND												
G-4385	149	16.2	100	23598								
G-4393	156	16.2	97	23172								
G-4450	137	17.3	98	21556								
G-4485	173	20.2	94	23727								
G-4490	163	19.7	99	23588								
G-4530	150	20.9	99	23624								
GOLDEN HARVEST												
H-2525	156	17.9	95	21985	148	17.9	91	21286				
H-2532	156	19.1	97	23819	167	19.0	91	21789				
H-2537	138	17.6	99	22550								
GREAT LAKES												
89823	166	18.3	97	20730								
GL 582	159	17.4	97	23641	146	18.4	88	16307	48	19.8	100	24000
GL 590	161	19.5	98	22551	168	19.4	96	20778	79	20.6	100	24000
GL 595	157	19.1	99	24000	161	20.3	92	21679				
GL 599	164	21.6	99	23935	163	20.2	89	17636	85	22.2	100	24000
GRIFFITH PURE LINE												
PL 119	131	17.6	98	21402								
PL 130	172	18.2	99	23146	143	17.1	92	22492	43	19.6	99	24000
PL 2149X	144	16.6	99	21551								
PL 235	156	19.2	98	23347	173	19.8	93	21575	72	20.2	100	23862
PL 280	150	21.0	99	20462	157	20.8	95	20042	43	23.1	100	24000
GROWMARK												
FS 4624	148	17.4	93	23407								
FS 4710	128	16.6	98	22233								
FS 6595	136	16.6	96	21478	144	17.5	89	21664				
FS 6774	168	19.5	99	20494	170	19.4	87	21351	49	19.6	100	23862
FS 6933	124	20.7	99	23689								
GUTWEIN												
2484	141	17.3	100	23377	143	17.3	89	21906				
2605	154	19.7	94	23254	169	19.2	94	19981				
2660	151	21.2	100	23830	176	20.5	94	22623				
2664	172	19.4	97	24000								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
HENKEL												
H-160	148	16.0	100	21897								
H-175	161	17.5	97	20250	178	17.8	92	22428				
H-180	163	19.4	98	22099								
H-185	151	19.2	98	23739	145	19.2	90	18080				
H-21	149	21.1	99	20351								
HUGHES												
5870	155	19.4	100	21069	157	19.3	93	20634	82	19.9	100	24000
5919	153	19.2	100	23056								
D-30	153	17.4	91	17379								
D-40	167	17.3	99	23808								
E-120	176	18.2	97	22923								
E-70	169	22.3	96	22097								
J.M. SCHULTZ												
SX1051	146	18.0	96	20833								
SX1101	154	16.6	98	22751								
SX9009	146	17.3	100	20071	175	17.7	95	21862				
JACQUES												
7770	187	20.0	98	24000	182	19.1	94	23241	73	20.8	100	23586
7910	141	20.8	98	19588								
LEWIS												
3945	146	15.7	95	23129								
LYNKS												
2711	139	17.3	97	21911	162	18.3	98	21239				
2757	165	18.3	99	23602								
2810	137	21.8	99	21141	136	20.0	89	21593				
MCCURDY												
6222	135	17.0	98	22162								
6660	158	19.5	97	22840	155	19.3	94	21259	77	19.9	98	24000
7300	135	20.3	100	24000								
NOBLE-BEAR												
NB2562	153	21.4	100	23023	165	19.9	93	17516	49	22.8	100	24000
NB422	165	19.9	96	21530	175	18.8	93	18979	55	20.5	99	22759
NB430	130	15.6	98	20621	142	17.1	90	20937				
NB484	139	17.3	97	22341	150	17.7	92	20787				
X8500	140	18.0	97	22968								
NORTHRUP KING												
N 4545	165	15.8	98	23547								
N 6330	154	18.3	100	23408								
N 6560	158	19.5	96	22237					62	20.4	98	23724
PFISTER												
2375	161	17.7	97	22671	155	17.6	93	20595				
3000	153	20.1	91	23680	168	19.2	92	17866	72	20.9	99	24000
PIONEER												
3343	156	17.5	98	20611	160	18.8	89	17892	43	21.8	99	21379
3344	184	16.1	100	22546	173	19.0	94	17965				
3362	147	17.0	97	18814	164	19.1	97	18948				
3374	136	18.9	100	20577	155	19.9	89	15684				
3379	155	17.5	100	22662	158	18.5	90	20990	58	23.4	100	24000
3417	166	17.1	97	23228								
3475	172	17.1	100	20461	148	18.8	91	17829	46	15.5	100	24000
3503	129	18.8	96	19697								
3578	130	16.0	96	20628	123	17.5	92	16791				
RENK												
RK803	175	20.5	98	22560	153	19.6	91	20543				
RK893	170	21.1	100	24000	177	21.9	90	19784	60	19.6	100	24000
RK950	163	21.8	94	22110	167	23.5	94	20864	40	23.1	100	23310
SHISSLER												
GR-8 170	167	18.2	98	22229	135	17.7	90	20357				
GR-8 173	141	18.2	99	23863								
GR-8 179	149	19.8	98	22921	166	20.0	94	22387	54	19.8	100	23448
GR-8 186	180	21.6	99	23350								
SIEBEN												
25XS	177	17.6	96	20371	180	17.8	94	21099	58	20.4	100	24000
29XS	154	17.6	97	20972								
32XS	135	17.0	99	23298	127	18.0	93	20650	65	21.1	100	22207
37XS	147	19.5	99	21548	180	19.2	91	20913	66	19.9	99	24000
42XS	156	20.9	98	23706	153	22.8	90	17667	54	20.8	100	24000
43XS	159	20.7	99	23154	164	20.0	89	19541	35	23.0	100	23448
49XS	130	21.3	99	22867	135	20.6	96	21635	60	21.3	100	23862
53XS	138	18.3	98	21188								
STEWART												
8909	163	19.0	100	21863	158	20.4	91	19517				
9010	163	19.9	98	21910	146	21.1	90	18395				
9106	150	16.5	99	23714	145	19.1	92	21840				

DWIGHT, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
SUN PRAIRIE												
96110	134	21.4	97	21484								
SP2107	166	17.6	99	21750								
SP2258	151	19.9	100	18729	170	19.4	90	20467	75	20.2	95	24000
SUPER CROST												
4386	168	20.1	96	22722	167	19.3	87	18205	43	19.8	100	24000
A3051	134	17.3	99	22743	157	17.5	92	22237	69	20.9	100	21379
TERRA												
TR 1010	151	15.5	99	21921								
TR 1020	129	13.7	99	23594								
TR 1040	146	17.4	100	23669	127	17.1	89	20989	43	18.4	98	24000
TR 1090	157	17.3	96	23440								
TR 1110	130	16.2	99	22529	152	18.5	95	21335	60	20.2	98	22345
TR 1120	161	20.5	99	21819	155	20.4	89	21724	57	23.2	99	24000
TR 1125	169	19.7	99	23548	155	18.5	87	19864	48	18.8	100	24000
TRIPLE J												
4975	159	17.3	97	22774								
5614	154	17.3	94	22919								
6601	149	21.2	100	19850								
CX56A	156	19.5	94	19608								
X5680	141	19.7	99	22550								
TRISLER												
T-2980	153	18.0	96	23521								
T-2995	144	18.9	96	23695	160	20.1	91	20955	74	18.9	97	24000
T-5230	150	20.1	98	23343	156	19.7	97	20175	67	19.6	98	23724
T-5240	163	17.2	100	23719	181	18.0	92	19393	29	17.5	100	24000
T-5330	157	21.8	96	20658	158	20.3	96	20667	55	22.7	100	24000
T-5350	157	21.8	95	22821	183	23.0	94	21675				
TWIN STATES												
TS 3244	136	16.7	98	20625								
TS 3303	154	19.2	97	22939								
TS 3343	146	18.4	99	22173								
TS 3375	153	20.9	100	20945								
UPHOFF												
635	170	19.7	99	21306								
VINEYARD SEED CO.												
FC 540	136	21.3	98	23716	134	20.5	89	18301				
V 424W	145	20.8	97	23405								
V 427W	134	20.8	94	23897								
V 452W	151	18.9	95	24000								
VX 52W	139	19.4	97	22211								
VX 91204	131	20.7	99	23255								
VORIS												
V 2485	161	17.7	100	23306	156	17.8	95	21593	60	20.2	99	23586
V 2495	175	19.8	96	24000	174	21.3	98	20957	58	21.9	99	24000
V 2503	155	16.9	98	23639								
WHATA HYBRID												
539	158	20.7	98	22684	176	20.0	95	21872	78	21.5	100	23034
WILSON												
1640	161	19.8	93	23617								
1890	153	22.7	97	22119								
AVERAGE	152	18.7	98	22442	155	19.0	92	20310	53	20.2	98	23674
L.S.D. 10% LEVEL	23	1.0	3	2520	22	0.9	8	2666	23	1.7	5	994
L.S.D. 30 % LEVEL	14	0.7	2	1588	14	0.5	5	1680	14	1.1	3	626
STD ERR OF CULTIVAR MEAN.	10	0.4	1	1081	10	0.4	3	1143	10	0.7	2	426

MONMOUTH (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRIGENE												
AG 6450	172	19.0	92	20802	80	18.9		22933				
AG 7400	198	20.8	100	23981	72	17.9		20267				
AG 7450	193	20.5	98	23566								
AINSWORTH												
X-415	180	19.9	100	21216	84	20.1		17867	127	21.3	84	23773
X-416	186	21.2	98	21336								
X-711	180	18.9	95	21204	86	19.4		21467				
X-808	182	18.9	100	23068								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX706	178	18.7	100	22632	59	16.0		21600				
RX727	173	18.9	100	23415								
RX746	184	19.0	96	22735	80	20.5		20267	132	19.0	87	23988
RX788	176	20.7	100	23066	42	15.9		23867	99	20.6	83	24000
ATLAS S-BRAND												
CB 1180	154	20.4	96	22407								
SS 1180	180	21.4	99	20671								
SS 638	169	19.8	96	22740	74	15.7		20400	118	21.3	90	24000
AUGUSTA SEED												
613	199	20.5	99	23970								
BO-JAC												
454	182	19.0	100	22986	97	19.9		21467	115	18.3	83	23994
520	209	18.6	98	23821								
X467	179	19.6	100	18845								
X585	190	19.4	99	21113								
BURRUS												
BX59	185	18.3	99	23855	59	15.5		21467	127	18.9	87	23934
BX70	204	19.3	98	23127								
BX85	184	18.0	97	23567	74	16.4		23733	135	20.9	83	23998
CALLAHAN												
C759	172	18.5	100	23769								
C764	203	18.4	99	23866	66	16.1		22400				
C765	199	19.5	99	23880	75	19.3		22400	113	18.8	93	23965
C771	197	21.3	95	23052	74	17.3		22267	99	21.3	94	23815
CARGILL												
6227	201	18.7	100	22807	60	16.3		23467				
6927	166	19.0	93	19891	93	20.1		22533	119	19.2	97	24000
7993	192	20.6	100	21735	55	17.8		22800	107	21.3	90	23965
8027	182	20.6	100	22356	66	18.6		20267	119	20.7	83	23998
8127	180	19.6	100	21478	82	17.7		20133				
CFS												
6322	183	18.0	100	23961								
7501	187	20.5	98	23650	59	17.2		22400	117	21.6	89	23813
7615	151	18.6	100	22477	60	17.1		19467				
7707	190	20.1	97	23085	61	17.3		22400	106	20.6	82	23955
CHALLENGER												
CS403	167	15.8	97	21559								
CS405	167	16.6	97	23405					98	14.8	52	23601
CS406	149	16.3	99	22296								
CS409	191	18.5	100	22201	67	16.9		22800	119	18.4	56	23469
CS410A	178	18.2	97	20431	59	15.4		22400				
CS411	156	19.2	92	20918	98	19.9		18933				
CS412	168	20.8	99	20495	70	16.6		17067	118	21.8	69	21388
CS414	199	20.8	99	23631	46	15.3		21067	129	21.8	83	24000
CS416	194	19.7	99	20916								
CORNELIUS												
C612	182	18.8	96	22881								
C795	204	20.1	99	23006								
CROW'S												
227	156	16.0	99	18866								
414	161	15.8	95	22122								
442	161	17.5	98	20658	101	15.8		15733	130	17.6	70	23219
449	168	17.4	99	21912	58	18.6		22933				
482	182	17.2	99	23065	96	16.5		16800	113	17.9	36	22216
488	188	17.2	97	22791	89	15.4		18800	103	18.2	33	23195
498	152	19.3	96	20742								
697	198	20.0	98	22881								
DAIRYLAND												
DX1014	156	18.9	95	21234	71	17.6		21333	116	19.0	92	23986
DX1015	199	21.0	98	23033	83	17.5		17600	111	21.6	70	23122
DX1110	198	18.3	100	22952	71	16.1		20400				
DX1117	166	21.1	99	18870	60	17.7		20933				
DEKALB												
DK-535	181	16.2	100	23091	83	13.5		21467				
DK-584	187	17.8	99	20420								
DK-612	175	19.4	99	22635	66	18.3		22667				
DK-636	188	20.8	99	22927	88	16.8		22133	117	21.5	77	23972
DK-677	181	20.6	98	22411								
DYNA GRO												
5470	190	18.7	99	23082								
5491	169	19.3	98	22710								
5550	184	21.0	100	22144								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
EK PREMIUM												
EK7734	130	15.8	98	16928								
EK7736	142	16.7	100	16531								
EK7740	155	18.7	95	21030	70	14.4		20400	92	17.0	47	23610
EK7772	164	20.8	97	23646								
EK7796	183	21.4	99	19910	48	14.3		21600	122	20.9	78	20362
EK7796MIN	191	20.8	97	23900								
EK7796NC	166	20.4	95	21045								
EK7796NI	140	20.4	98	20472								
EK8805	162	20.5	97	22025	48	16.2		22133	104	21.1	73	23959
EK8805SI	177	19.9	100	16993								
EXSEED												
XS-1092	173	20.6	99	22765								
XS-1152	152	18.9	97	20866								
FEDERAL												
FT44	124	17.3	89	19665								
FX39B	197	20.7	94	22860	62	14.9		21333	100	20.2	68	23663
FX40A	157	19.3	98	17330	58	14.1		16000				
FX67	188	17.9	94	21227	37	21.1		21733				
FUNK'S G BRAND												
G-4385	184	17.0	97	22674								
G-4393	171	15.8	100	23434								
G-4450	205	18.4	100	24000								
G-4485	168	19.6	100	21669								
G-4490	188	19.4	97	23901								
G-4530	184	19.7	100	23157								
G-4543	194	20.9	99	23063								
GOLDEN HARVEST												
H-2532	195	18.6	97	22511	65	16.3		21733	131	19.1	71	23947
H-2537	183	17.6	98	23595								
H-2572	179	21.1	97	21817	56	16.8		21733	122	20.2	96	23691
H-2647	188	21.5	99	23011								
GREAT LAKES												
GL 582	195	19.0	98	23853	61	16.4		18800	105	19.2	92	23833
GL 590	170	19.0	98	23073	83	19.8		20533	123	19.1	89	23443
GL 595	178	17.5	97	21858								
GL 599	180	20.5	100	23935	89	17.5		18133	120	20.4	68	24000
GRIFFITH PURE LINE												
PL 235	201	18.8	97	23352	72	19.0		20800	145	19.1	88	24000
PL 280	194	19.3	99	21264	64	16.9		21067	139	20.5	88	23993
PL 302	162	20.7	98	18489								
GROWMARK												
FS 6595	204	18.5	99	23779	76	16.8		22400				
FS 6774	170	18.9	95	20959	77	19.3		20267	121	18.6	90	23912
FS 6933	186	20.7	97	22807	51	15.9		20533	118	21.2	77	23976
HAWKEYE												
SX61	179	21.2	99	22749								
SX75	199	21.0	97	24000								
HOBLIT												
422	200	18.8	100	22939								
423	197	18.8	92	23074	80	18.8		20400				
HUGHES												
5870	204	19.5	100	24000	107	18.9		21200				
5919	165	18.6	99	19655								
D-40	192	18.3	100	21456								
E-70	204	21.1	99	21604								
IOWA-MISSOURI												
SX 16	181	20.9	96	22978	56	16.9		23333	117	21.3	70	23967
SX 65	156	19.7	99	20642								
J.M. SCHULTZ												
SX1101	194	17.2	96	22976								
SX1151	169	19.5	97	18405								
SX1181	181	21.1	100	22244								
SX9009	181	18.3	100	21619	77	16.9		22533				
JACQUES												
7910	184	20.6	97	20988								
8210	192	21.2	98	22594	92	21.5		21733	109	22.1	77	24000
KALTENBERG												
K 7400	166	20.6	97	21246								
K 7401	193	21.3	98	22956								
K 7500	178	19.0	98	23160								
K 7504	167	17.8	97	24000								
LEWIS												
3327	186	18.7	99	23755	59	14.4		19467	117	18.1	66	24000
3945	197	19.5	99	24000								
4685	184	19.3	97	23183	71	18.8		20667	89	19.8	91	23548
5910	191	20.3	97	22448	61	17.1		20533	115	21.0	92	23684

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
LYNKS												
2711	183	18.8	98	22016	83	17.3		22133				
2757	190	19.7	99	22074								
2810	184	21.0	100	21172	63	17.4		22533				
MCALLISTER												
SX8310	192	20.7	99	23173	55	17.1		21200	118	21.1	62	24000
SX8408	202	20.4	96	22850	70	17.9		20000	93	22.7	90	23901
SX8611	220	19.5	99	24000	95	19.6		21467	136	18.7	89	24000
SX9009	197	18.7	97	24000	63	16.6		19867				
SX9118	185	21.0	98	23430								
MCCUROY												
7300	189	20.9	97	23935								
7372	186	20.4	99	22001	63	16.9		22267				
7400	187	19.4	100	19488	64	18.9		22667				
7477	178	21.8	100	21933								
NORTHRUP KING												
N 6330	179	18.8	100	22751								
N 6560	177	18.9	99	23991	63	18.8		22800	122	19.2	97	24000
N 6873	160	19.9	99	23033	79	15.4		19200				
S 7751	187	21.1	100	22115	73	17.9		21333	117	21.3	89	23944
PFISTER												
3000	162	18.0	95	22310	72	18.0		17200	123	18.8	73	23910
3340	170	20.7	99	17460	71	18.4		21067	120	20.9	97	23731
PIONEER												
3162	181	19.8	97	18143								
3180	179	18.6	98	20976								
3189	169	20.1	98	18237								
3319	168	19.4	100	19908	57	14.7		19333				
3343	169	17.6	99	21035	67	16.6		20400	110	19.2	91	22074
3344	189	15.5	96	18628	73	15.7		20000				
3362	181	17.3	98	19147	70	16.6		18933				
3374	170	18.7	99	19838	58	16.6		20933				
3379	175	17.0	99	20112	73	14.3		19867	134	19.8	61	23817
3417	185	18.0	98	22576								
X9628	169	19.5	98	20053								
X9629	200	19.3	100	22971								
3245	169	19.3	98	20012								
POCKLINGTON												
P391	163	18.8	99	22372					100	19.2	91	24000
P491	176	18.1	99	23305	60	14.4		19333				
P511	195	21.4	97	23082	52	15.9		21067				
P551	192	20.8	97	23961	73	16.9		23333				
QUERNA												
7290	168	17.7	99	19835	61	16.3		21600				
7310	156	19.2	94	16757	70	17.6		19467	112	18.7	70	23945
7618	151	19.5	96	20024								
7670	172	20.5	99	18432	69	17.4		18133	128	21.2	86	23976
7870	185	21.7	98	21227								
RENK												
RK803	190	19.7	95	22693	75	19.3		23733	128	19.7	83	22972
RK893	198	19.8	99	21547	79	18.4		20000	130	19.6	95	23772
RK950	180	21.8	91	22716	56	21.9		22267	108	23.0	91	23502
SHISSLER												
GR-8 170	170	18.4	99	21032								
GR-8 179	182	19.3	98	22389	101	19.6		23733				
GR-8 186	197	21.0	98	23640	60	17.5		22267	98	22.4	81	23927
GR-8 189	189	20.1	100	23384	64	18.6		23333				
SIEBEN												
29XS	175	18.3	99	22503								
32XS	190	18.5	98	23756	60	16.7		22267	143	19.2	66	22290
37XS	188	19.6	95	23440	96	20.2		20667	123	19.1	100	23995
42XS	173	20.0	100	23462	74	18.6		19733	132	19.5	93	23903
43XS	183	20.7	95	22589	68	17.2		21867	105	21.3	79	23766
49XS	181	20.7	99	21449	62	16.8		22667	114	20.9	93	23858
53XS	190	20.0	98	21801								
58XS	200	20.1	98	22317	49	16.4		23333	129	21.8	76	24000
SPARTA												
5520	181	19.9	98	23939								
5550	197	21.4	94	23026								
5570	221	20.9	99	23965	94	19.2		21200				
5600	198	20.8	99	22087								
EX536	161	17.5	94	20227								
EX602	197	19.8	98	21113								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
STEWART												
7355	174	19.9	96	21641					102	22.4	58	24000
8809	170	18.4	100	22940					119	19.9	78	23296
8909	187	18.6	98	21502	85	19.7		18933				
9010	172	20.2	98	22807	76	19.1		18933				
9012	176	20.8	98	22330	69	21.0		19200				
STONE SEED FARMS												
SX259	179	18.6	98	22473	59	16.2		18267	133	18.8	93	24000
SX338	180	20.9	99	22566	82	21.1		19600				
SUN PRAIRIE												
SP2107	185	18.0	99	22112								
SP2258	177	19.4	95	21645	92	18.6		22667	147	18.4	83	24000
SP2430	183	18.2	99	23372	73	17.0		21733				
SUPER CROST												
4386	183	18.9	97	21170	73	19.3		22267	131	18.9	80	23919
TERRA												
TR 1010	141	16.5	92	21549								
TR 1020	156	15.5	96	23113								
TR 1040	169	17.6	95	23071	60	13.3		22000				
TR 1090	176	18.4	99	22137								
TR 1110	195	17.6	98	20017	52	14.5		20667				
TR 1120	178	21.3	100	21103	64	17.4		21200				
TR 1125	184	18.9	100	23848	74	18.5		19067				
TRISLER												
T-5230	163	18.9	97	23796								
T-90-4	206	19.9	100	24000								
TWIN STATES												
TS 3244	186	18.2	99	22338								
TS 3303	176	19.5	93	23231								
TS 3343	193	17.9	96	21253								
TS 3371	185	20.9	98	23289								
TS 3375	170	20.4	99	22187								
UPHOFF												
635	177	18.6	97	20913								
640	196	20.5	100	19104	79	17.0		20933	103	21.4	75	24000
645	190	21.1	99	23946	50	15.3		21067	104	21.5	86	23861
645A	165	20.5	99	21486	69	17.2		22533				
VORIS												
V 2495	192	18.1	100	23092	82	17.3		20267	139	18.6	75	23782
V 2503	203	18.0	100	23554								
V 2519	184	20.5	97	23662	82	19.7		22933				
WATSON SEED FARMS												
W-327	176	18.1	100	22849	81	16.2		19733	113	19.3	80	23988
W-360	193	19.1	95	22813								
W-377	171	19.5	98	23204	80	16.1		23333				
W-400	179	21.3	98	22189	81	18.2		18267	124	21.8	95	23971
WILSON												
1640	173	18.9	95	21700								
1700	169	20.8	96	22342								
1890	201	21.3	98	23444	59	20.0		21867				
2100	195	21.2	97	23621								
DEMAND 110	176	19.5	96	20988								
AVERAGE	181	19.3	98	22088	68	17.2	***	21004	115	19.9	76	23694
L.S.D. 10% LEVEL	25	0.8	4	2257	26	1.9	***	2372	28	1.2	23	691
L.S.D. 30 % LEVEL	16	0.5	2	1423	16	1.2	***	1495	18	0.8	15	436
STD ERR OF CULTIVAR MEAN.	11	0.4	2	968	11	0.8	***	1018	12	0.5	10	296

MONMOUTH WAXY CORN TRIAL (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS
CFS											
EW06055	153	20.3	97	23067							
EW06057	170	19.4	96	23600	87	17.1		15144			
EW06063	154	21.9	98	22400							
EW06064	167	18.7	99	23333							
EW07051	197	20.2	99	23067							
EW07052	196	20.8	98	22533	100	17.8		19763	93	26.5	76
EW07065	175	21.0	96	22000	96	17.9		20785			
EW07066	186	21.0	96	22267	100	17.6		18155			
EW07067	176	20.4	97	23600	108	18.1		19015			
W6057	163	16.2	99	23067							
W6253	150	18.0	96	18533	96	16.7		20488	88	22.5	45
W7551	178	21.3	98	23733	101	17.7		19048	102	25.8	75
W7651	168	16.7	97	23867	116	18.0		18769	100	23.9	64
W7877	193	20.8	99	24000	117	17.5		21863			
W8052	186	19.7	94	24000	96	17.6		20616			
CORNELIUS											
WX612	160	21.1	98	23333							
DEKALB											
112 WX	167	17.9	97	22933	101	17.9		21971	117	24.8	55
EXSEED											
XS-1121	176	21.0	98	18000	106	18.8		11983			
NORTHRUP KING											
N 6440WX	167	21.8	95	23200							
S 7838WX	173	21.8	97	23600	106	18.9		19300	104	26.0	74
PIONEER											
3312E	185	18.2	94	18000	95	16.5		19658	125	20.8	31
3508E	152	18.0	100	22267							
SPECIALTY GRAINS											
SGI 1300	180	21.8	94	22667	90	18.7		17313			
SGI 3100	171	22.0	96	15200							
AVERAGE	173	20.0	97	22178	100	18.5	***	18896	99	26.4	50
L.S.D. 10% LEVEL	20	0.7	4	1621	20	0.7	***	2132	18	1.0	19
L.S.D. 30 % LEVEL	13	0.4	2	1013	12	0.5	***	1336	11	0.7	12
STD ERR OF CULTIVAR MEAN.	9	0.3	2	683	8	0.3	***	903			

KILBOURNE, IRRIGATED (28,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
118X	153	22.9	95	20513								
X-416	149	23.4	97	22619								
X-516A	135	21.3	97	21947	173	20.2		23358	187	22.7	100	27658
X-810	146	18.3	96	22507	148	19.0		25783				
ASGROW												
RX860	138	22.0	96	22336	147	19.3		22856				
RX908	159	22.3	96	25310	126	22.6		22978				
AUGUSTA SEED												
413	147	19.4	95	23485								
BO-JAC												
602	146	22.3	99	23901					185	22.7	100	27924
676	146	22.7	98	22761	135	20.7		24461				
X585	143	19.7	95	20809								
X642	158	24.4	97	25180								
BURRUS												
BX59	152	18.5	96	24045	113	16.5		23406				
BX68	131	19.7	96	22917	115	19.2		22943	188	21.6	100	27762
BX91	173	22.6	97	23039								
CALLAHAN												
24439X	141	18.5	97	24174								
C771	125	22.7	91	22467								
CARGILL												
6227	121	19.0	98	20917	167	19.6		24842				
6927	140	18.5	98	24184								
7993	144	21.8	98	22359	107	19.0		23586	180	23.0	100	27400
8027	146	22.7	97	21054	119	18.6		24415	191	22.2	100	27562
8127	130	20.6	99	21208	102	20.4		25935				
CFS												
6322	140	19.3	99	23617								
7615	128	19.1	96	22460								
7707	134	23.0	98	22763								

KILBOURNE, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
CHALLENGER												
CS412	124	21.8	96	22359								
CS414	149	22.7	96	23204								
CS416	128	20.8	96	19793								
CS518	144	23.6	99	20227								
CS519	152	23.3	95	23196								
CROW'S												
449	139	18.1	100	25612								
482	132	16.6	98	23772	125	20.0		20371	196	20.8	100	24142
488	138	16.3	100	23170	114	17.0		19960	184	19.6	100	27996
498	150	18.6	95	22204								
670	147	22.3	97	26040	134	21.6		22024				
682	143	20.3	95	23178	133	19.9		21017	214	24.3	100	25585
697	167	21.5	98	24465	114	21.0		22407				
DAIRYLAND												
DX1014	114	18.3	97	18392								
DX1018	156	21.6	97	21496								
DX1117	131	22.7	98	17376								
DYNA GRO												
5470	149	19.0	99	22764								
5491	99	18.7	95	22192								
5561	151	22.2	98	22186								
EK PREMIUM												
EK7796	132	21.3	97	20361	107	18.8		23904				
EK7796MIN	125	21.2	94	22898								
EK7796SI	125	18.7	95	17097								
EK8805	157	23.5	98	23891	134	18.7		22567				
EK8805SI	135	22.1	100	17685								
GOLDEN HARVEST												
H-2583	145	22.5	94	22195	123	18.6		20950	197	22.2	100	27778
H-2647	145	24.0	99	20919	153	21.2		26093				
GROWMARK												
FS 6774	106	18.7	97	22202	119	18.9		23095	170	22.0	100	27434
FS 6933	133	22.1	95	24471	110	19.5		26103	174	22.3	100	27426
FS 6992	133	22.4	96	24328	126	19.4		25634	201	21.3	100	27684
KALTENBERG												
K 7400	130	21.3	93	22469								
K 7401	149	23.9	98	21386								
K 7500	136	18.7	94	22493								
K 7504	132	17.8	99	21345								
LEWIS												
7288	158	22.5	97	22202								
LYNKS												
2757	120	19.0	96	19506								
2810	154	22.7	99	22189	113	19.0		24280				
NORTHRUP KING												
COKER 8625	141	22.6	95	22895	92	19.0		20340	194	21.7	100	27758
N 6330	146	18.9	99	24325								
PFISTER												
3000	123	18.2	96	23614	132	19.3		20891				
PIONEER												
3162	140	22.9	95	19934								
3180	141	21.7	98	20924	127	19.5		23277				
3189	119	22.1	98	19649	102	18.8		21851				
3343	149	20.0	98	18242	111	18.2		21797	168	23.0	100	23722
3344	132	14.1	97	21494	111	19.4		21816				
3362	139	17.9	98	23349	153	19.2		20370				
3374	154	20.0	99	19804	117	17.8		19418				
3379	127	17.0	100	20081	107	17.7		21414	206	22.0	100	26501
POCKLINGTON												
P481	139	23.3	99	22349								
P491	125	19.0	98	24452	131	18.2		26062				
P61	120	23.8	97	20636								
SHISSLER												
GR-8 173	133	17.6	100	23754	141	20.0		25459				
GR-8 186	140	21.7	98	21657	110	18.7		24780				
STEWART												
37L3L	139	20.3	96	21212								
8815	171	25.6	100	25320								
TERRA												
TR 1090	152	19.3	98	23622								
TR 1120	134	21.6	97	22055					187	22.5	100	27929
TR 1125	128	18.4	96	22764					203	21.2	100	27209
TR 1180	149	24.9	96	22488								
TR 1190	173	24.4	96	22621								
TR 59	139	22.8	97	21920								

KILBOURNE, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
TWIN STATES												
TS 3244	140	19.2	99	23341								
TS 3303	132	18.5	92	21340								
TS 3343	156	18.7	97	24620								
WILSON												
1890	139	24.1	98	21513	148	21.0		20856				
EXP 1352	151	23.9	97	25175	158	21.1		22267				
AVERAGE	140	20.9	97	22284	124	19.5	***	23100	185	21.4	100	27164
L.S.D. 10% LEVEL	28	1.2	4	2491	33	1.7	***	3797	22	1.0	1	1306
L.S.D. 30 % LEVEL	17	0.8	3	1568	21	1.1	***	2391	14	0.6	1	822
STD ERR OF CULTIVAR MEAN.	12	0.5	2	1065	14	0.7	***	1624	10	0.4	1	559

URBANA (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRATECH												
1700	155	27.5	100	22093								
825	162	25.8	98	23428	139	22.6	99	20189				
GK 750	148	24.6	97	23188	135	20.7	100	19909	143	27.1	100	23706
WS 2490	161	22.8	98	23453								
WS 2510	166	24.1	97	22636	155	20.3	96	21544	138	26.6	100	24000
AINSWORTH												
117X	174	23.9	99	23596								
X-416	168	24.3	99	21850	134	19.9	95	21941	130	26.4	100	23998
X-516A	163	25.2	99	22224	137	20.2	94	21249	141	27.0	100	24000
X-810	170	23.2	98	22921	157	20.7	98	19063				
ASGROW												
RX706	149	20.7	99	23579								
RX727	157	21.5	97	23601								
RX746	179	23.2	97	23616	120	18.9	98	21020	131	25.7	100	23731
RX788	160	23.5	98	21158	140	20.8	98	21177	129	27.1	100	23971
ATLAS S-BRAND												
CB 1180	174	24.6	99	22470								
SS 1180	174	24.6	97	21359								
SS 638	185	23.8	98	21441	152	19.9	95	18193	116	27.3	100	24000
AUGUSTA SEED												
613	182	23.0	100	22919								
BECK'S												
54XA	169	21.0	99	22091	143	18.0	98	18650	123	26.4	100	24000
57X	179	21.7	99	22936								
63X	173	24.2	100	23595	135	21.2	97	21232	109	26.6	100	24000
74X	177	28.0	100	23613								
BO-JAC												
454	170	23.0	99	23333	138	20.4	100	20262	145	24.7	100	24000
520	160	21.6	98	22624								
602	178	23.4	99	22786	150	20.5	98	20199	127	26.4	100	24000
X443	150	19.7	100	19953								
X585	153	21.4	99	21162								
BURRUS												
BX26	168	24.0	97	23460	137	21.1	92	20258	119	27.0	100	23994
BX59	134	21.2	99	22375	131	18.5	92	20267				
BX68	142	23.8	99	22254	135	19.5	100	22423	139	24.5	100	24000
BX70	164	22.2	100	23467								
BX85	173	22.2	91	23572	120	19.8	97	19527	146	32.2	100	24000
CALLAHAN												
24455X	165	26.1	99	22357								
24460X	176	24.7	100	23339								
24560X	173	25.4	99	22402								
C759	176	21.5	99	23582								
C764	156	20.8	99	22094	122	17.3	94	18454				
C765	170	23.7	99	23600	135	18.9	97	20876	127	25.0	100	23961
C771	159	24.7	98	22229	140	21.0	97	19584				
CARGILL												
6227	162	20.3	99	21020								
6927	150	22.5	99	21169								
7993	182	23.8	99	21686	124	20.5	98	20177	133	27.2	100	24000
8027	159	25.2	94	22502	157	20.0	97	21561	121	26.9	100	23723
8127	155	24.8	99	23591	136	21.1	96	21733				

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
CFS												
6322	159	20.9	98	23321								
7501	173	23.5	100	21140	144	20.2	95	21992	144	26.9	100	24000
7615	163	22.3	98	22647	158	20.1	99	19793				
7707	155	23.3	99	21553	149	21.1	95	21288	141	27.4	100	24000
CHALLENGER												
CS403	147	18.6	98	22782								
CS409	161	20.9	99	21160	136	18.5	95	20739	122	26.8	100	22261
CS410A	147	22.0	95	23591	131	18.6	91	19899				
CS411	169	23.7	100	23172	110	18.0	96	16567				
CS412	160	23.5	98	19802	106	19.8	99	16611	146	26.8	100	23989
CS414	161	23.5	98	23454	135	20.6	96	18875	137	26.8	100	23703
CS416	165	22.7	99	21692								
CROW'S												
414	135	17.2	97	23589								
449	150	21.3	97	23614	193	19.3	100	20571				
482	167	20.8	98	23580					130	23.7	100	23958
498	157	22.7	100	22526								
669	154	27.0	99	20320	156	22.2	100	18763				
682	170	22.2	98	22242	126	20.7	93	15716	158	30.4	100	23728
697	174	25.0	99	23592	124	21.0	99	17679				
DAIRYLAND												
DX1014	169	22.9	100	22895	131	19.5	100	19960	132	25.5	100	23999
DX1015	167	23.9	100	22515	137	20.5	97	17048	141	26.4	100	24000
DX1018	180	25.3	100	22102	134	20.2	96	18575	130	27.5	100	24000
DX1110	155	21.2	99	22235	152	18.5	99	19608				
DX1117	157	24.3	97	21572	140	20.4	98	20863				
DEKALB												
DK-535	155	17.6	100	23177	136	15.6	100	19299				
DK-570	164	19.2	98	22784								
DK-584	158	20.3	99	22621								
DK-612	157	23.3	100	19785	152	18.1	94	19626				
DK-636	183	23.9	99	23308	146	20.8	99	21766	134	24.9	100	24000
DYNA GRO												
5470	159	21.2	100	23602								
5491	166	23.6	99	23607								
5550	153	24.1	97	23454								
5561	156	23.7	98	21975								
5655	178	25.9	100	23059								
EK PREMIUM												
EK7734	127	19.0	98	18160								
EK7736	128	18.8	100	20608								
EK7740	151	23.2	96	21155	122	18.2	97	18427	125	26.0	100	24000
EK7772	135	22.6	98	23188								
EK7796	155	23.8	99	20487	148	20.3	100	20257	119	27.3	100	24000
EK7796MIN	178	23.8	98	23055								
EK7796NC	157	23.8	100	20217								
EK7796SI	176	22.4	97	20910								
EK8805	166	24.0	99	20602	131	18.9	88	20300	135	28.7	100	23733
EK8805SI	154	23.9	100	19398								
EXSEED												
XS-1092	179	23.4	97	23586	143	21.3	97	21142	147	27.0	100	24000
XS-1112	156	24.0	99	19394								
XS-1131	184	24.6	95	23580	143	20.5	84	20231	154	31.7	100	24000
XS-1132	174	24.0	98	19124	140	20.5	94	18765	129	26.9	100	24000
XS-1152	162	27.4	100	20741								
FONTANELLE												
4435	178	21.7	98	23307								
X1220	166	22.5	100	23450								
FREY												
FX46	151	22.9	99	23302	121	18.7	97	19850	131	25.1	100	23597
FX69	163	23.7	97	23328	142	20.8	98	19481	146	27.2	100	23991
FUNK'S G BRAND												
G-4385	169	20.0	100	23318								
G-4393	143	19.2	99	23324								
G-4450	160	21.8	98	23601								
G-4485	178	22.8	100	19110								
G-4490	167	23.2	100	23206								
G-4530	149	23.0	100	23594								
G-4543	163	23.8	100	23581								
G-4626	171	24.3	100	23342								

BRAND HYBRID	1990 RESULTS				1989 RESULTS				1988 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GOLDEN HARVEST												
EX 453	150	22.0	100	23587								
EX 461	139	21.3	98	22926								
EX 478	156	23.1	97	23587	145	18.4	97	19242				
H-2465	149	21.5	97	21840	150	17.3	97	18421	115	25.6	100	23994
H-2525	154	21.1	95	23579	163	19.7	98	21809	150	25.6	100	23991
H-2532	189	21.6	99	23582	158	18.0	97	20468	143	25.2	100	24000
H-2537	167	23.2	100	22375	109	17.4	93	19832				
H-2540	150	22.6	97	23466	116	18.8	100	19959				
H-2572	154	24.0	99	22258	145	20.1	96	20372	129	27.0	100	24000
H-2583	161	24.2	99	22761	147	20.2	94	18887	122	27.1	100	24000
H-2607	162	24.7	99	22123	110	20.1	100	16074	135	27.1	100	23973
H-2647	161	25.9	98	21412								
GREAT LAKES												
GL 582	133	20.7	98	22767	125	18.0	96	17270	140	25.4	100	23994
GL 595	159	21.9	100	22642								
GL 599	167	23.7	99	23572	120	20.4	100	16477	141	27.0	100	23986
GL 639	180	23.5	97	23331	132	21.1	99	17015				
GRIFFITH PURE LINE												
PL 235	169	22.8	99	23607	140	19.4	100	20667	121	24.8	100	23982
PL 280	170	24.2	96	22382	143	20.5	95	20547	146	27.0	100	23872
PL 302	158	24.3	99	21303								
GROWMARK												
FS 6595	152	21.0	99	23589								
FS 6774	182	22.5	99	21955	124	19.0	100	20417	145	24.8	100	24000
FS 6933	150	24.0	100	23168	142	20.2	96	19607	141	26.9	100	23999
FS 6992	159	24.4	98	23327	145	20.7	98	19931	120	27.5	100	23996
GUTWEIN												
2484	146	20.6	100	23305	138	18.4	96	20956				
2605	155	23.2	100	23577	129	19.1	98	16530				
2660	177	24.3	97	23478	115	21.3	92	21913				
2664	178	22.2	98	22009								
HOBLIT												
422	161	21.9	96	23615					122	26.6	100	23999
423	165	22.9	100	23178	149	19.2	100	19996				
426	157	22.0	94	23592	142	18.9	87	21803	147	32.3	100	23722
439	183	24.1	99	22360	152	20.4	100	22010	130	27.7	100	24000
HYPERFORMER												
HS-59	161	23.6	99	21560								
HS-9663	150	23.7	100	22369								
HS-X9492	154	23.4	100	21953								
HS-X9592	155	24.1	96	23596								
HS-X9641	159	23.3	100	23569								
J.M. SCHULTZ												
SX1101	161	21.1	98	23592								
SX1151	165	23.5	100	22230								
SX8408	162	23.7	99	23594	141	20.2	95	18422				
SX9009	155	21.1	98	22646	152	18.9	98	21471				
JACQUES												
7820	163	24.0	99	23192	131	20.8	94	21644	140	27.3	100	23973
7910	163	24.3	97	21422								
8210	147	24.9	98	21682	138	22.8	95	22743	154	27.7	100	23990
LEWIS												
3945	133	21.9	97	23336								
4685	153	22.5	99	23454	149	19.0	98	21251	151	24.3	100	23999
LYNKS												
2711	152	21.7	100	23587	131	18.9	97	17646				
2757	177	22.3	100	23599								
2810	161	23.9	98	22616	146	21.0	99	19306				
MCCURDY												
7300	176	23.9	99	23570								
7400	169	24.7	99	23623	154	20.5	96	21102	144	27.0	100	24000
7477	172	24.6	99	21686	152	21.2	96	20012				
NOBLE-BEAR												
NB2562	135	23.0	99	21554	126	20.5	95	18687	132	27.9	100	24000
NB422	146	23.3	99	22605	133	17.8	100	15831	154	25.9	100	24000
NB484	164	20.6	100	22296								
NB855	170	24.1	99	23530	133	21.1	98	21457				
X8630	154	21.7	99	22983								
NORTHRUP KING												
N 6330	167	21.3	99	23881								
N 6560	158	22.9	98	20906	123	18.7	100	21185	145	25.2	100	24000
N 6873	181	22.1	100	22808	137	18.4	93	20586				
PFISTER												
2375	155	20.2	99	22929								
3000	162	22.7	100	22432	156	19.0	100	19086				

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
PIONEER												
3180	160	25.0	98	19921	161	20.4	96	19248				
3189	176	27.8	100	18513	116	20.8	93	17949				
3417	170	20.9	100	22543								
3343	159	23.3	98	21134	135	17.8	98	18166	128	27.8	100	24000
3344	165	21.3	97	20055	150	19.9	91	18857				
3362	158	20.1	99	19721	135	18.7	99	15372				
3374	138	21.9	100	20754	120	17.2	97	14546				
3379	169	21.5	100	20852	128	19.0	98	16718	148	31.2	100	24000
X9628	158	22.0	99	20430								
X9629	172	23.3	98	23472								
3245	166	22.0	99	19915								
POCKLINGTON												
P391	137	23.0	98	21955								
P481	173	25.3	100	22790	146	19.9	96	21210				
P491	157	20.8	100	21613	140	18.7	100	19431				
P511	178	23.7	100	23136	207	20.4	99	21070				
P51A	164	23.9	98	22866	139	22.3	96	19976	127	28.7	100	24000
P551	166	23.6	97	20241	157	20.2	95	21382				
PRAIRIE STREAM												
M7000	156	24.1	98	22917	140	22.7	99	20661				
SX555	172	23.2	100	23605	131	19.6	96	22068	150	27.8	100	24000
SX703	171	24.0	100	23768	140	19.1	98	21843				
SX704	184	23.8	95	23436	150	19.7	96	20203				
SX725	159	23.5	95	22967	143	20.3	97	21848	138	27.0	100	24000
SX726	160	30.4	99	21646	132	23.7	96	20861				
QUERNA												
7290	146	19.4	99	19905	139	18.0	95	19649				
7310	157	23.6	100	21288	126	18.6	98	16694	144	25.8	100	24000
7618	152	23.8	100	21685								
7670	166	23.0	100	18768	150	19.0	97	20787	142	28.7	100	23333
7870	171	25.3	99	20731								
RONCO												
259	138	20.7	99	18372								
26	173	24.3	98	23560								
SEEDEX												
1090	149	20.7	98	22930								
1120	176	23.5	100	19505	130	19.7	100	19304	142	26.4	100	23467
1135	179	27.0	100	23342								
3209X	162	24.9	100	21080								
SHISSLER												
GR-8 170	160	22.1	100	23279								
GR-8 179	162	23.0	100	22132	141	18.6	100	20443				
GR-8 186	180	22.9	98	23581	132	20.1	97	19425				
GR-8 189	163	23.9	99	23040	147	20.7	98	22295	133	28.3	100	23333
SIEBEN												
32XS	139	20.1	98	22373								
37XS	176	22.9	99	23654								
42XS	158	24.6	99	22254								
43XS	161	23.3	99	22649								
49XS	164	24.0	99	22105								
53XS	154	22.3	98	23067								
58XS	163	24.1	98	23469								
SPARTA												
EX602	167	22.6	99	21238								
STEWART												
7355	158	25.0	98	22696								
8423	168	28.9	97	22011					138	31.8	100	22133
8815	170	28.2	100	23071	111	22.8	93	21687	139	33.1	100	24000
9012	155	25.0	99	22293	144	22.0	90	19397				
STONE SEED FARMS												
SX256	136	21.1	99	22551								
SX259	158	21.1	100	23117	152	17.4	96	19185	114	26.2	100	23733
SX260	154	20.8	99	23009	133	18.5	97	21853				
SX338	177	23.8	99	23255	156	20.3	97	16874				
SX350	162	25.2	100	19882	144	20.3	100	21421	116	28.1	100	24000
SX36	153	24.6	100	18461	121	19.0	100	16506	141	26.5	100	23867
SX365	196	24.0	100	21523								
STURDY-GROW												
625	165	21.7	100	23111	120	17.6	97	16008				
814	145	23.1	97	22180								
815	154	24.2	99	21574	130	19.4	100	17338	129	26.8	100	23200
828	186	24.4	99	22469	109	21.0	99	20716				

URBANA, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
SUN PRAIRIE												
96110	169	25.0	100	23432								
SP2107	145	20.1	98	23122								
SP2258	162	23.1	99	21759	139	18.6	100	19302	132	25.6	100	24000
SP2278	164	22.2	98	21638	140	20.2	93	18546	168	24.7	100	24000
SP2430	154	21.3	98	23110	135	17.8	95	22254				
SP2850	153	25.2	100	20398	110	21.3	96	20532				
SUPER CROST												
4386	154	22.2	99	23507	150	18.2	100	22684	159	25.4	100	23733
5460	163	25.0	100	20188	140	19.2	98	21044	138	27.2	100	24000
A4040	168	22.8	96	23588	155	20.9	97	20788	149	27.9	100	24000
TERRA												
TR 1040	169	21.9	100	23337	121	17.1	95	20412	124	25.1	100	24000
TR 1090	154	21.5	99	21887								
TR 1110	164	21.2	99	21535	142	18.9	96	18999	132	27.9	100	24000
TR 1120	156	24.1	100	19706	139	20.0	97	20040	113	26.3	100	24000
TR 1125	168	23.0	99	23602	128	18.5	100	20570	142	24.9	100	24000
TR 59	177	23.7	97	23482								
TRIPLE J												
4975	138	21.4	99	20189	139	18.5	99	19360				
5614	159	22.1	99	21924								
6601	148	24.3	100	22961								
6602	164	23.9	100	19682	137	20.0	98	17934				
6700	147	25.7	100	14389	132	23.4	93	21191				
6780	148	25.6	96	23418								
6800	146	22.6	100	18199								
CX56A	161	23.4	100	20337	153	18.9	99	22137				
X5680	162	23.3	99	23192								
TRISLER												
T-2980	148	19.6	97	20827								
T-2995	145	21.1	100	22475	145	17.4	95	20864	124	26.8	100	24000
T-5230	168	23.2	99	23490	129	18.0	99	22215	149	24.8	100	20933
T-5240	155	21.1	99	23312	157	18.6	98	20367	135	25.8	100	24000
T-5330	170	24.0	99	23508	135	19.7	94	18422	136	27.4	100	23867
T-5350	163	24.9	99	23174	145	22.2	98	18955				
T-5380	159	23.6	100	23015	141	19.6	97	21849	129	27.9	100	24000
T-5530	169	24.3	99	22734	149	19.5	96	21499				
T-90-3	162	27.3	99	21997								
TWIN STATES												
TS 3244	151	20.8	100	22664								
TS 3303	170	23.3	100	22819								
TS 3343	164	21.9	93	23482								
TS 3371	177	24.1	96	23486								
TS 3375	166	23.8	100	22166								
TS 3396	170	24.4	99	23802								
UPHOFF												
635	162	23.2	99	23489								
640	153	23.6	99	21693	129	20.6	94	18011	134	26.1	100	23200
645	152	23.4	98	22769	136	20.4	98	20338	140	27.1	100	24000
645A	155	23.3	98	22384	150	19.3	100	21266				
672	147	24.7	95	22498								
VINEYARD SEED CO.												
FC 540	159	22.6	99	23674	121	18.6	98	22013	141	26.4	100	24000
FC 550	159	24.0	100	23354	127	20.5	100	20268	126	27.0	100	24000
FCX 1420	159	26.0	99	23522								
FCX 1432	175	26.1	100	23246								
FCX 560	149	25.3	100	21392								
FCX 91361	152	23.3	99	20420								
V 423W	154	25.2	100	23112					111	34.1	100	24000
V 424W	169	25.0	100	22195	138	20.6	97	20248	125	27.8	100	24000
V 427W	161	24.7	100	21856	104	19.1	97	20583	110	30.3	100	24000
V 452W	143	22.5	96	21759	120	18.8	93	18625				
VX 458W	156	23.7	97	23766								
VX 52W	137	22.3	99	21980								
VX 91177	144	24.8	100	23317								
VX 91204	127	23.0	99	23503								
VX 91206	143	27.7	100	22397								
VX 91207	159	23.3	99	20417								
VX 91272	121	25.9	99	19898								
VORIS												
V 2503	159	21.4	97	19949								
V 2531	176	23.7	100	23195	145	20.7	98	21203	134	27.9	100	24000
V 2563	165	24.8	98	23091								

URBANA, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE
WATSON SEED FARMS												
W-360	162	23.4	100	22274								
W-377	160	21.0	100	21584	130	19.0	96	22791				
W-390	156	20.6	100	22472					128	31.5	100	24000
W-400	154	24.3	100	22050	155	19.5	100	17803	141	28.5	100	24000
W-436	157	25.0	97	22065	128	21.8	96	18250				
WHISNAND												
56W	152	25.9	93	22064	134	23.2	87	18451				
73W	155	27.8	96	23572	130	26.1	91	20370	107	34.4	100	24000
85	184	24.8	100	23334	140	19.6	99	20899	131	26.8	100	24000
86	164	26.2	100	23935	152	20.7	99	22175	138	29.5	100	24000
87	146	22.6	97	22349								
WILSON												
1640	155	22.5	99	23137								
1890	157	26.4	97	22129								
2100	161	24.1	99	23028								
DEMAND 110	140	22.0	95	23038								
ZIMMERMAN												
Z-17-W	129	24.5	99	23305	99	27.9	96	20630				
Z-61-W	138	24.6	100	22593	133	25.7	97	18515				
AVERAGE	161	23.2	99	22350	134	19.8	97	19719	128	27.0	100	23882
L.S.D. 10% LEVEL	22	1.4	3	1999	26	1.3	6	2509	19	1.4	***	691
L.S.D. 30 % LEVEL	14	0.9	2	1260	17	0.8	3	1581	12	0.9	***	435
STD ERR OF CULTIVAR MEAN.	10	0.6	1	857	11	0.6	2	1075	8	0.6	***	296

PERRY (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST- URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE
AGRIGENE												
AG 7400	153	22.7	100	15836								
AG 7450	155	23.1	100	18526								
AG 7720	201	23.4	100	18975								
AINSWORTH												
118X	181	23.8	100	19918								
X-416	153	22.3	100	17145	141	21.2		18546				
X-717	137	22.6	100	20074					168	22.9	100	21357
X-810	142	22.6	99	17233	161	21.8		19913				
ASGROW												
RX788	161	22.1	100	17003	132	21.6		21727	149	21.6	100	23523
RX860	177	24.6	100	18223	157	24.4		20962	103	23.9	100	22190
RX908	208	24.5	98	20067	176	24.9		20593				
ATLAS S-BRAND												
CB 1180	135	22.8	100	17092								
SS 1180	171	23.8	100	17437								
SS 63B	153	22.1	99	18774	157	22.1		20473	150	21.2	100	23271
BO-JAC												
601	175	22.5	100	18605	151	21.8		20033				
X585	149	22.3	100	18716								
X645	125	25.1	100	13740								
BURRUS												
BX26	143	22.0	100	19291	141	21.8		20374	148	21.3	100	24000
BX59	188	20.3	98	17748	149	21.4		19957				
BX85	150	22.4	100	17038	148	22.3		21158	141	21.0	100	24000
BX91	167	25.4	100	19217								
BX94	178	23.7	100	19254	145	23.8		20899	114	22.8	100	23091
CARGILL												
7993	170	22.5	100	19209	120	21.4		21652	136	22.0	100	23632
8027	129	22.6	100	20598	138	22.2		19344	174	21.1	100	23814
8127	146	21.9	100	19250	120	22.4		17018				
8427	157	23.8	99	20647								
8527	134	24.3	100	20241	149	24.0		20445				
CROW'S												
449	174	20.5	100	17014								
482	151	21.1	98	18275	139	18.9		13385	160	18.3	100	19133
498	112	22.2	100	17003								
669	146	23.7	100	20043	150	23.4		16292				
682	155	23.5	100	21188	154	20.5		18865	174	20.8	100	20234
DEKALB												
DK-636	151	22.4	100	19230	137	21.6		19799	150	22.0	100	23094
DK-677	167	23.7	100	19598								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
DYNA GRO												
5655	154	23.4	100	17808								
5671	156	23.9	99	17941								
5687	118	23.6	100	16239								
EK PREMIUM												
EK7740	139	21.1	100	17423					143	17.7	100	23129
EK7796	149	23.0	100	17619	146	22.3		21057	146	21.3	100	18128
EK8805	171	22.1	99	19273	155	22.3		19930	122	21.3	98	22817
EK8805SI	140	21.5	100	17469								
FUNK'S G BRAND												
G-4490	100	21.6	99	17758								
G-4530	160	22.3	99	20012								
G-4543	178	23.2	100	22098								
GOLDEN HARVEST												
H-2532	171	20.9	99	18857	160	21.1		22273	112	19.9	100	23386
H-2537	136	20.3	100	17039	160	21.1		17750				
H-2572	175	21.5	100	17963	169	21.7		22801	123	21.8	100	23076
H-2647	182	24.5	100	20443								
GROWMARK												
FS 6774	163	19.9	100	18210	141	21.4		18715				
FS 6933	163	21.9	100	16278	168	21.4		20254	154	21.6	100	21469
FS 6992	155	23.2	100	19907	147	22.0		20110	132	22.0	100	21098
FS 8455	169	24.1	98	17919								
HOBLIT												
426	177	23.1	100	17084	162	22.5		20707	158	21.0	100	23930
J.M. SCHULTZ												
SX1101	160	20.3	100	18401								
SX1151	168	22.5	100	14802								
SX1171	133	24.3	100	17617								
SX1181	146	23.5	100	16349								
SX8408	149	21.8	100	16901	128	21.8		15470				
SX9009	141	20.0	100	16500								
JACQUES												
7820	180	22.6	100	18718	152	21.6		22523	147	21.1	100	23790
7910	130	22.5	100	20050								
8210	203	24.1	100	21444	152	23.5		22362	95	22.4	100	23112
KALTENBERG												
K 7400	138	22.2	99	16534								
K 7401	155	21.9	100	19542								
K 7500	136	22.1	100	17356								
K 7504	155	21.4	99	16844								
LEWIS												
5595	142	22.4	100	15977	160	21.6		21816				
5910	168	22.7	100	18017	153	21.7		22299	152	20.8	97	21286
6370	168	23.7	100	21731								
7288	155	22.8	99	20408								
LYNKS												
2711	146	20.7	100	17017	156	20.8		19750				
2810	134	23.1	100	19936	145	21.6		20084				
2875	167	24.2	100	17543								
MCALLISTER												
SX8310	139	23.0	100	18905								
SX8408	149	22.6	98	18591								
SX8611	128	21.7	99	17649								
SX9009	133	20.7	100	16354								
SX9118	156	23.4	100	19806								
MCCURDY												
7477	211	23.7	99	20760	175	24.1		20523				
7660	152	23.6	98	16917								
7777	143	26.7	100	17241	170	24.4		21641	146	24.3	100	19900
NOBLE-BEAR												
NB2562	187	22.4	99	17277	128	21.4		17045	141	21.6	100	23936
NB422	120	21.6	100	18072	141	21.8		15841				
NB672	144	20.2	98	19465	151	21.1		21022				
NB855	140	24.2	99	22166	145	23.4		20581				
X8630	145	20.0	99	19217								
NORTHRUP KING												
COKER 8625	177	22.1	99	21788	136	22.2		22461	142	21.9	100	23670
N 6330	164	19.8	100	15321								

PERRY, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
PIONEER												
3180	167	22.9	100	18169	156	22.7		19596				
3189	164	23.6	99	18297	137	22.1		16400				
3319	120	21.8	100	17810								
3343	182	21.8	100	18205	157	21.0		19123	149	19.2	100	20222
3344	186	20.8	100	19469	135	19.6		19343				
3374	139	21.7	99	17941	144	20.7		16876				
3379	128	20.5	100	19450	142	20.3		19142	145	19.1	100	22568
3394	133	20.8	100	16457								
3245	186	22.8	100	19102								
POCKLINGTON												
P391	133	21.6	100	17294	154	20.7		16828				
P481	153	22.3	100	15660								
P51A	162	22.9	100	19863	149	21.3		21334	151	21.3	100	22041
P551	147	22.0	99	17396								
P61	134	22.5	100	18353								
SHISSLER												
GR-8 186	158	22.2	99	16364	150	22.2		19889				
GR-8 189	155	21.9	100	19082	137	22.2		19571	152	20.1	100	23515
GR-8 192	164	21.8	99	20063	144	23.3		21914				
STEWART												
37HLY	159	25.5	100	20115								
37L3L	168	21.3	99	15301								
7355	142	23.4	100	19830								
8423	151	25.2	100	19822								
8432	213	24.9	100	20015								
8815	175	26.5	100	20317	149	25.5		22715				
9012	175	23.2	98	19661	138	24.1		18218				
STONE SEED FARMS												
SX259	155	20.1	100	19346	158	20.5		17546	164	19.3	100	22514
SX260	182	20.5	100	19739	120	20.4		19262				
TERRA												
TR 1090	162	20.7	100	18993								
TR 1120	151	21.1	100	19479								
TR 1125	138	21.8	99	18422								
TR 1180	191	24.4	100	19010								
TR 1190	191	24.7	100	18285								
TR 59	171	23.3	100	16954								
TRISLER												
T-5330	161	22.8	99	22016	153	21.4		19874	138	21.8	100	22980
T-90-3	184	25.5	100	16921								
UPHOFF												
640	122	21.8	100	16889	150	21.7		20379	152	20.9	100	20992
645	155	23.3	99	14750	139	22.4		19450	129	21.3	100	21401
645A	149	22.4	100	19265	131	21.5		20974				
WATSON SEED FARMS												
W-351	159	20.3	100	20336	140	21.0		19076	148	18.8	100	21820
W-360	120	22.2	99	16073								
W-377	168	21.3	99	18569	164	21.5		21134				
W-400	121	22.3	100	16958	142	21.1		17916	152	21.8	100	23592
W-407	153	23.5	100	16612	147	22.9		19216				
W-436	170	25.6	100	16020	154	23.5		17863				
WILSON												
1890	194	23.8	100	20797	135	22.8		19694				
EXP 1352	161	24.4	100	18965	131	22.7		19134				
AVERAGE	157	22.6	100	18403	145	22.0	***	19645	139	21.2	100	21999
L.S.D. 10% LEVEL	27	1.4	1	4196	21	1.0	***	3068	34	0.9	1	2493
L.S.D. 30 % LEVEL	17	0.9	1	2644	13	0.6	***	1933	21	0.6	1	1571
STD ERR OF CULTIVAR MEAN.	12	0.6	1	1797	9	0.4	***	1314	14	0.4	0	1068

BROWNSTOWN (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRATECH												
1700	96	33.1	98	14860								
1730	118	31.0	100	16379								
825	116	29.7	97	19647	87	24.0		22000	67	22.5	100	21791
GK 750	139	27.9	99	21162	97	21.7		22000	66	21.8	100	18152

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
117X	105	31.5	99	20920								
119X	99	30.6	98	15465								
X-416	94	29.5	99	17633	102	21.5		21728	67	20.9	100	21343
ASGROW												
RX860	100	32.6	100	17239	108	23.0		21864	36	21.2	100	21509
RX908	98	38.1	95	17778	88	26.3		21457				
RX911	95	34.7	99	18523								
ATLAS S-BRAND												
CB 1180	119	29.0	96	20883								
SS 1180	121	29.0	99	18692								
SS 63B	129	28.5	97	17524	96	22.1		21457	109	18.3	100	19385
BECK'S												
72X	99	33.2	93	17066	111	23.7		22000				
81X	92	33.2	99	14232								
90XS	95	38.2	100	20234	104	26.8		22000				
BO-JAC												
601	100	29.2	98	15079	100	22.5		21864				
676	105	31.6	100	17174	107	23.0		22000				
X585	98	28.0	93	19527								
X645	97	34.7	98	16300								
CALLAHAN												
24455X	102	30.7	99	16448								
24460X	63	31.5	98	14379								
24560X	114	31.7	97	19303								
C773A	119	29.4	91	21889								
C776	80	33.5	100	20033	89	24.4		20506				
C781	118	33.2	99	21170	103	24.7		21321	62	21.7	100	21261
CARGILL												
7993	105	27.6	98	18877	86	21.1		21864	59	20.6	100	20414
8027	116	28.7	97	19154	76	21.8		21593	66	20.6	100	19647
8127	131	31.1	99	20089	84	23.1		22000				
8427	106	32.1	100	18406								
8527	98	32.6	100	19228	102	24.8		22000				
CFS												
A7900	86	34.7	98	17503								
CHALLENGER												
CS412	109	27.9	98	15243								
CS414	106	28.8	97	18367								
CS416	113	30.5	96	15645								
CS518	99	30.3	98	13751								
CS519	99	28.5	98	15224								
CROW'S												
449	117	25.3	99	18320								
482	140	27.0	99	15765								
488	103	25.1	94	15395								
498	89	26.5	99	14953								
669	107	31.0	99	19388	99	23.5		18877				
682	121	26.9	94	16789	103	21.5		16160				
697	130	31.1	99	18777	90	23.1		16296				
DEKALB												
DK-636	110	28.9	94	15871	82	21.7		22000	50	21.5	100	19118
DK-677	100	36.1	97	18932								
DK-711	107	33.1	94	19438	93	24.6		21593	60	23.9	100	20475
DYNA GRO												
5655	116	29.5	96	16919								
5671	116	33.9	100	11082								
5687	102	32.1	94	14911								
EK PREMIUM												
EK7796MIN	100	26.9	96	21333								
EK7796SI	118	27.0	100	15433								
FUNK'S G BRAND												
G-4490	84	26.3	98	19262								
G-4530	113	26.5	96	18301								
G-4543	105	30.1	95	19614								
G-4666	86	35.8	99	19299								
GOLDEN ACRES												
GA 9586	169	32.1	95	16893								
GROWMARK												
FS 6774	118	26.7	99	14687	63	19.4		20778				
FS 6933	105	27.4	93	20386	77	21.0		21593	65	20.9	100	20349
FS 6992	131	29.1	99	19501	104	21.9		21593	51	20.1	100	21314
FS 8455	123	30.7	98	18526	106	24.5		21864				
HOBLIT												
640	128	29.5	98	19731	103	24.8		22000				

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
HYPERFORMER												
HS-59	116	28.6	88	16237								
HS-9663	124	27.4	94	16037								
HS-9773	94	33.5	89	14022								
HS-9911	122	32.7	99	19139								
HS-X9492	96	26.3	99	14571								
HS-X9592	123	28.5	98	19408								
HS-X9641	86	26.1	97	17005								
J.M. SCHULTZ												
SX1101	118	27.9	92	20277								
SX1151	111	32.1	96	19494								
SX1171	136	30.5	98	16784								
SX8408	112	28.2	96	17849	94	22.5		22000				
SX9009	86	26.7	98	19686								
JACQUES												
8510	98	29.4	88	20617								
JADER												
115	113	29.3	99	19357	98	22.2		20235				
316	101	28.0	97	19465	128	22.6		20778				
LEWIS												
6370	116	31.5	99	15824								
7288	108	28.3	100	19318								
LYNKS												
2810	122	29.2	99	18244	98	21.0		21864				
2875	112	32.0	98	17438	103	23.6		22000				
MCCURDY												
7400	117	29.1	98	16798	104	22.9		22000	66	21.8	100	21676
7660	99	30.5	93	17032								
7777	112	32.8	96	19396	111	27.2		22000	82	26.5	99	19682
NOBLE-BEAR												
NB672	105	23.4	97	20209								
NB855	119	30.8	98	18651	120	23.0		22000				
X8630	103	25.4	99	17546								
NORTHRUP KING												
COKER 8625	110	28.6	99	18139	105	22.0		21728	78	20.7	99	21491
N 8727	115	33.1	99	13532								
PFISTER												
3380	106	30.2	98	16506	110	21.2		22000	59	19.9	100	21227
3910	121	32.1	96	17011	113	24.2		21457				
PIONEER												
3140	132	30.6	100	20587	109	25.1		22000	75	23.8	100	18723
3180	97	35.2	95	17557	99	23.0		19284				
3189	86	35.4	96	15168	86	22.9		16568				
3241	120	29.5	96	16728	74	22.5		19012				
3319	115	29.9	99	18081								
3343	122	31.8	97	14733	81	21.7		19148	51	22.9	100	20910
3379	91	29.6	99	14436	100	20.8		19284	66	19.0	100	18733
3394	125	29.0	100	20577								
X9629	94	31.8	91	18480								
3245	108	34.0	98	16677								
POCKLINGTON												
P481	106	29.1	99	19417								
P511	96	29.4	98	20221	95	21.2		22000				
P61	100	30.2	96	14692								
P71	87	31.1	99	10151	109	23.8		22000	53	24.2	100	19056
SEEDEX												
1120	123	27.7	98	16152	97	22.9		20778	71	21.3	100	15041
1135	127	32.1	97	17353								
3209X	104	29.9	98	15031								
STONE SEED FARMS												
SX259	126	26.4	97	20071	104	20.3		19963				
SX36	98	28.7	99	19306	118	21.3		19556	64	21.4	100	18107
SX365	121	29.8	100	15863								
SUPER CROST												
5460	110	31.0	93	18072	101	20.3		22000	43	22.0	100	19894
6465	118	31.5	99	17990	102	22.8		20642				
7121	113	36.3	91	21708	109	24.4		13988				
A4040	115	28.8	97	19559	92	21.9		21864	57	20.1	99	19073
TERRA												
TR 1180	100	34.7	99	16774								
TR 1190	97	35.3	99	16934								
TR 59	126	27.7	96	19073								
TRIPLE J												
6602	96	28.8	94	14318	109	21.9		17790				
6780	111	34.9	89	21098								
6800	89	29.9	92	15237								
6901	127	33.2	99	13142								
8901	76	33.3	97	14012	90	23.5		21457				

BROWNSTOWN, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	MISS. DATA	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
TRISLER												
T-5330	111	27.9	90	19054	93	22.1		20914	62	21.2	100	22000
T-5350	95	30.1	92	20378								
T-5380	107	31.4	98	18851	94	20.7		22000	85	20.6	100	22000
T-6360A	85	32.3	99	17889	106	24.0		21321				
T-6850	95	34.9	100	19876	105	25.3		21321	62	20.8	100	20464
T-7530	87	31.0	85	17445	95	24.6		18605	65	23.5	95	20821
T-90-1	100	33.9	99	19089								
T-90-3	85	34.4	99	17660								
T-90-4	109	30.8	100	17475								
TRIUMPH												
1595	101	27.5	93	16570	94	21.6		22000				
1610	82	34.7	94	19584								
1660	112	39.4	69	17578								
TWIN STATES												
TS 3303	105	26.8	99	19119								
TS 3343	146	25.4	98	18290								
TS 3371	75	27.4	95	17383								
TS 3375	118	29.3	99	21099								
TS 3396	104	29.5	99	17024								
UPHOFF												
640	152	27.4	97	17731								
645	107	28.6	89	21022	96	22.1		21864	55	20.2	100	21692
645A	102	29.5	99	19031	81	21.5		21864				
671	105	33.6	100	16380								
672	100	35.2	100	18962								
VORIS												
V 2519	92	31.7	100	19683	109	23.1		18469				
V 2573	95	32.9	99	16803								
V 2575	88	33.9	99	16209	122	24.6		19148	55	23.7	100	15443
ZIMMERMAN												
Z-27	99	33.1	82	19425	87	25.9		22000	62	31.2	100	21575
Z-36	96	32.3	100	18377	88	23.6		22000				
AVERAGE	107	30.6	97	17748	94	22.8	***	20757	58	21.2	100	20497
L.S.D. 10% LEVEL	19	2.1	5	2653	21	1.2	***	1654	23	2.2	3	2588
L.S.D. 30 % LEVEL	12	1.3	3	1672	13	0.8	***	1042	14	1.4	2	1631
STD ERR OF CULTIVAR MEAN.	8	0.9	2	1137	9	0.5	***	709	10	0.9	1	1109

INA 1990 AND CARBONDALE 1989, 1988 (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRATECH												
1700	99	31.7	100	20471								
888	107	34.9	100	20735	74	27.3	99	21656	106	22.3	100	21418
GK 750	99	27.6	99	20228	79	23.8	99	21927				
ASGROW												
RX727	72	26.2	100	21628								
RX860	82	29.4	100	21133	37	23.5	100	22000	97	23.5	96	20764
RX908	90	35.2	99	21426	98	28.5	98	21960				
RX911	105	34.4	100	22000								
AUGUSTA SEED												
413	97	33.0	97	20691								
513	119	29.6	99	21993								
613	107	28.5	99	21943								
BO-JAC												
676	105	31.1	99	20913	87	27.3	99	22000				
X585	83	29.0	96	22000								
X645	92	31.8	100	20266								
CALLAHAN												
24455X	100	30.2	100	21786								
24460X	99	28.0	100	22000								
24560X	86	30.1	100	22000								
C773A	92	27.9	95	19740								
C776	103	29.7	100	21929	75	25.9	100	21225				
C781	90	35.3	100	20731	62	28.6	100	21362	106	21.8	98	19791
CARGILL												
7993	88	27.5	99	19863	62	23.3	100	22000	108	19.8	100	21955
8027	90	27.7	98	18726	57	24.6	100	22000	112	19.5	100	20097
8127	104	30.1	100	21361								
8427	109	30.4	100	21985								
8527	97	35.5	100	21597	61	28.6	99	21978				

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
CFS												
A7900	83	30.6	96	21467								
CROW'S												
449	84	25.8	100	21350								
482	119	27.1	100	21988					85	18.2	97	19774
488	102	26.2	98	22000								
669	103	29.9	100	21197	84	26.2	99	19740				
670	110	33.3	99	21383	63	28.4	99	21933				
682	96	29.2	99	21145	92	23.5	99	16403	98	19.8	99	18439
697	106	28.7	100	19497	60	25.6	99	19130				
DEKALB												
DK-636	88	27.3	99	20365	84	24.0	100	20670				
DK-677	89	32.0	100	21972								
DK-711	133	30.1	100	21985	75	27.4	100	21967				
DYNA GRO												
5655	106	29.2	100	21715								
5671	77	35.0	100	20495								
5687	107	29.4	99	14177								
FUNK'S G BRAND												
G-4490	84	25.9	100	20406								
G-4530	87	26.4	99	21502								
G-4543	82	27.7	100	21351								
G-4666	116	34.6	100	21952								
GOLDEN ACRES												
GA 9586	109	33.2	98	20548								
GROWMARK												
FS 6933	107	26.8	100	21507					112	19.0	98	18985
FS 6992	114	26.7	100	20901	45	24.2	100	22000	95	20.6	97	21558
FS 8455	99	30.8	100	21943	96	26.4	100	21798				
HOBLIT												
640	107	31.0	100	22000	117	26.0	100	22000				
J.M. SCHULTZ												
SX1101	99	28.3	99	22000								
SX1151	93	30.4	99	20825								
SX1171	89	30.8	100	18806								
SX8408	99	26.8	99	22000	92	26.2	99	21709				
JADER												
115	109	26.5	99	21999	93	24.3	99	21293				
316	108	27.1	100	20894	88	25.0	100	22000	87	21.4	96	19775
218	105	29.8	100	21622								
MCCURDY												
7660	117	30.7	100	19522								
7777	93	34.6	98	21996	100	29.7	98	21907	100	24.4	98	20207
NORTHRUP KING												
N 8318	99	33.0	99	20095								
N 8727	69	31.1	100	21997								
PFISTER												
3910	95	31.3	100	17791	89	26.7	100	21976				
PIONEER												
3140	115	29.4	100	19973	93	28.7	99	21930	134	23.2	99	18667
3180	100	32.7	99	19925	57	28.1	99	20464				
3189	101	32.5	100	20003	56	28.1	98	19060				
3241	100	27.0	97	18689	89	24.5	100	19238				
3319	85	27.9	100	21524								
3343	97	28.3	100	22000	86	24.4	99	20832	112	19.7	100	18625
3379	104	28.0	100	20306	85	25.3	100	20895	130	19.7	99	21525
3245	100	31.6	100	20764								
RONCO												
26	85	28.0	100	20851								
364	107	30.3	100	16852								
SOUTHERN CROSS												
411	101	28.0	100	21912	103	20.5	99	19039				
511	88	30.1	88	20373								
611	99	33.3	98	22000	79	27.7	98	22000				
STONE SEED FARMS												
SX260	89	26.4	100	21990								
TERRA												
TR 1180	94	34.8	100	21972								
TR 1190	91	37.5	100	22000								
TR 59	99	27.7	99	21855								
TRISLER												
T-6360A	111	30.3	100	21686								
T-6850	98	34.9	100	20242	65	28.5	100	21256	93	21.1	93	20162
TRIUMPH												
1595	89	28.3	98	21951	93	24.8	99	21889				

INA AND CARBONDALE, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
UPHOFF												
640	85	26.5	100	19023								
645	89	27.8	96	21941	75	22.3	100	21992	95	20.6	98	21946
645A	105	26.7	99	22000	66	24.5	99	21424				
671	97	32.1	99	20429								
672	101	35.8	100	20792								
WILSON												
1890	104	29.5	100	21965								
EXP 1352	98	31.0	97	20755								
ZIMMERMAN												
Z-27	99	31.7	98	21975	57	27.3	99	21682	115	21.6	87	22000
Z-36	92	31.0	99	21459	74	25.0	99	22000				
AVERAGE	98	30.1	99	20992	76	26.0	99	21006	100	20.6	96	20658
L.S.D. 10% LEVEL	19	1.7	2	2114	22	1.7	2	1460	23	1.3	7	2073
L.S.D. 30 % LEVEL	12	1.1	2	1331	14	1.1	1	919	15	0.8	4	1305
STD ERR OF CULTIVAR MEAN.	8	0.7	1	904	9	0.7	1	624	10	0.6	3	887

DIXON SPRINGS BOTTOMLAND (26,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRATECH												
1725	159	28.8	100	16318								
825	158	29.6	100	21035	191	23.3	100	22073	162	26.5	100	24480
888	132	30.4	96	14047	148	22.9	98	20448				
ASGROW												
RX860	158	29.4	100	22608	162	22.6	93	24917	168	27.6	100	25822
RX908	174	32.1	100	23252	167	21.4	98	20719				
RX911	152	31.2	100	16494								
RX947	181	33.2	97	20909								
AUGUSTA SEED												
413	167	31.1	95	20938								
BECK'S												
72X	195	31.5	100	19624	180	22.1	100	23969				
81X	136	28.5	100	14187								
90XS	161	33.7	99	16871	153	24.2	98	23021				
BO-JAC												
601	134	26.3	100	17178	169	22.1	100	25865				
675	150	28.7	99	18083	163	22.5	98	24104				
676	170	29.2	99	21866	170	22.6	100	24375				
X585	128	27.6	99	13590								
X645	147	29.4	100	15514								
CARGILL												
7993	157	25.9	100	19713	172	22.5	99	24781	150	23.9	99	26000
8027	130	26.3	99	15866	168	21.8	100	20854	143	25.4	100	25807
8127	141	28.5	100	19991								
8427	164	28.8	100	22157								
8527	162	31.1	99	18755	142	22.0	100	22344				
CROW'S												
449	141	24.9	100	19709								
482	139	24.2	99	17925	150	20.4	98	17740	136	23.0	99	21829
669	164	29.0	97	18930	151	22.9	100	19229				
670	143	33.8	100	17620	153	21.4	99	20177				
682	181	27.8	99	19692	146	21.3	99	15167	149	26.4	100	25619
697	152	28.6	100	17641	145	20.9	100	15979				
DEKALB												
DK-636	142	25.4	100	18621	162	22.3	98	24781	143	25.8	100	23964
DK-677	151	29.4	99	18186								
DK-711	174	29.6	99	21708	145	24.3	99	23969	165	27.9	99	25855
DYNA GRO												
5561	153	26.5	100	20962								
5655	177	27.6	98	17868								
5671	137	30.7	100	15883								
5687	141	28.7	99	14302								
HYPERFORMER												
HS-59	155	27.1	98	20009								
HS-9663	160	27.5	100	18743								
HS-9773	182	30.2	96	21836								
HS-9911	153	30.3	99	17646								
HS-X9492	119	23.6	98	16555								
HS-X9592	139	26.9	100	16510								
HS-X9641	132	25.3	100	17749								

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
J.M. SCHULTZ												
SX1151	137	27.6	98	18009								
SX1171	136	29.2	99	15086								
SX8408	130	26.0	100	16439	168	21.7	99	21125				
JADER												
115	148	26.7	99	20391	160	21.9	99	20990				
218	135	28.7	98	16275								
316	149	26.1	100	18699	141	21.2	100	14896	153	26.4	100	24695
MCCURDY												
7400	178	28.9	100	21531								
7477	153	27.9	100	18868								
7660	166	28.0	100	16577								
7777	163	31.4	99	16178	173	23.4	99	21531				
NORTHRUP KING												
N 8318	141	31.8	99	18213								
N 8727	129	30.7	100	16490	193	23.4	100	21937				
S 8645	137	29.6	100	15271	158	23.0	97	23833	157	28.4	100	24538
PIONEER												
3140	144	30.3	100	19462	201	23.3	100	22208	175	25.4	100	24298
3165	163	36.3	100	19268	152	22.4	98	19771	173	32.7	100	24737
3180	169	27.8	97	18774	144	18.6	97	18687				
3189	139	29.3	100	16297	140	20.4	99	15031				
3241	153	27.1	100	21493	159	20.8	100	18958				
3319	141	27.2	99	19505								
3343	150	26.4	99	17679	179	19.2	99	15708	150	25.6	100	22440
3379	149	24.0	98	15239	169	17.9	100	18958	146	21.7	100	24200
3245	168	28.3	100	19248								
X9823	167	29.8	98	16861								
POCKLINGTON												
P481	162	26.9	100	18350								
P511	153	26.2	98	20579								
P51A	163	27.7	99	18777					133	25.8	97	25759
P61	116	29.3	100	20644								
P71	166	28.3	100	21361	146	22.1	98	22885	166	27.2	97	24536
SOUTHERN CROSS												
411	142	26.2	99	17687	153	21.4	98	18417				
511	155	28.6	99	18271								
611	202	29.8	98	22459	168	20.7	99	19635				
SUPER CROST												
5460	142	28.8	100	17123	157	22.7	100	24240	163	27.2	100	26000
EXP 7219	153	29.9	99	22889								
TERRA												
TR 1180	139	30.9	99	17716								
TR 1190	140	31.7	99	15901								
TR 59	156	26.7	99	18260								
TRIPLE J												
6780	175	30.6	99	19891								
6800	152	26.5	100	19837								
6901	153	29.3	98	18488	177	20.7	100	21396				
8901	169	30.2	99	23194	161	23.8	100	21937				
8950	170	30.5	100	17915								
TRISLER												
T-5330	153	27.0	99	16343	131	21.6	100	18958	150	25.6	100	26000
T-5590	157	28.7	100	14802	168	23.2	99	22885	171	27.5	100	26000
T-6360A	150	29.5	99	18673	140	23.4	100	22885				
T-7530	178	29.4	96	19453	194	23.7	98	22885	174	27.8	97	26000
T-90-1	142	31.4	100	17480								
TRIUMPH												
1595	144	26.2	96	17732	159	22.3	100	22479				
UPHOFF												
645A	166	27.0	100	18483								
672	152	30.4	100	20276								
VINEYARD SEED CO.												
FC 540	159	25.8	100	21705	163	21.9	100	22615				
V 58W	177	30.2	98	24238					135	28.3	99	23597
V 68AW	161	34.3	100	24167	134	25.5	100	24510	162	31.1	99	25469
V 68W	180	32.5	97	23803	159	24.2	100	24781	153	30.1	100	23969
VX 458W	173	27.7	99	24528								
VX 91190W	174	30.3	100	21732								
VX 91255W	146	31.0	100	20232								
WHISNAND												
56W	174	30.7	100	20689								
73W	173	31.2	100	23369	174	24.6	98	21396	160	30.7	90	26000
85	159	27.5	99	19676	165	21.4	99	20312	157	25.7	99	25738
86	152	29.4	100	19565	161	22.7	100	24104	160	27.0	100	25702

DIXON SPRINGS BOTTOMLAND, continued

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1989 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1988 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
WILSON												
1890	172	28.1	100	19578								
EXP 1352	145	29.7	100	19432								
ZIMMERMAN												
Z-14-W	147	35.5	98	21778	182	23.5	94	24510	147	30.1	85	26000
Z-16-W	159	33.7	97	23566	163	26.9	100	22479	152	30.0	98	23746
Z-17-W	156	30.6	98	21850	142	22.2	98	24510	143	25.8	87	24764
Z-27	167	30.0	99	17951	186	23.5	99	24104	137	28.7	88	25665
Z-36	169	28.0	100	21923	152	21.6	96	23156				
Z-38	151	28.0	98	16693	188	23.1	100	23833				
Z-54-W	154	36.5	100	21174	186	24.5	97	25594	166	30.7	99	25555
Z-61-W	163	33.5	100	21136								
Z-63-W	168	34.0	98	22887								
AVERAGE	155	29.1	99	19046	158	22.3	99	21047	148	26.6	98	24933
L.S.D. 10% LEVEL	22	1.6	2	3383	25	1.0	4	3544	32	1.8	6	1962
L.S.D. 30 % LEVEL	14	1.0	1	2131	16	0.6	2	2232	20	1.1	4	1235
STD ERR OF CULTIVAR MEAN.	9	0.7	1	1448	11	0.4	2	1517	14	0.7	3	839

DIXON SPRINGS UPLAND (26,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1990 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW				
RX860	137	28.5	99	22548
RX908	154	34.0	100	21832
RX911	158	30.2	98	21781
RX947	216	32.5	100	24720
BECK'S				
81X	142	29.5	99	22469
BO-JAC				
601	154	26.6	99	24964
X645	154	29.1	100	23401
J.M. SCHULTZ				
SX1101	170	25.4	99	25726
SX1151	136	29.2	100	23054
SX1171	129	28.8	98	24294
SX8408	143	26.1	99	22910
NORTHRUP KING				
N 8318	118	32.9	97	24521
N 8727	162	32.5	100	24611
PIONEER				
3140	174	32.2	100	23419
3165	160	39.0	100	23030
3180	139	31.9	99	24201
3189	158	30.4	95	22675
3241	131	28.2	98	23037
3319	122	26.7	98	23158
3343	161	28.5	99	24682
3379	136	25.2	98	19509
3245	126	27.9	97	24070
X9823	170	31.3	100	24432
POCKLINGTON				
P51A	139	25.9	100	23414
P61	144	28.3	98	23923
P71	129	29.5	99	23396
STONE SEED FARMS				
SX260	121	24.5	98	23201
SX338	143	29.4	99	23185
AVERAGE	148	29.3	99	23498
L.S.D. 10% LEVEL	23	2.4	2	2522
L.S.D. 30 % LEVEL	14	1.5	1	1580
STD ERR OF CULTIVAR MEAN.	10	1.0	1	1067

1990 ILLINOIS GRAIN SORGHUM RESULTS
BROWNSTOWN SORGHUM HYBRIDS

Company	Hybrid	Yield	Moist	Height	Head Exsert.	Head Compact.	1989 Yield	1988 Yield
AGRATECH	GK 712G	71.2	18.0	35	4	2		154
AGRATECH	GK 802G	69.4	17.2	35	1	1		168
AGRATECH	805 WG	43.8	18.8	33	1	1		
ASGROW	TOPAZ	91.5	18.3	40	4	2		
ASGROW	SENECA	64.3	15.5	37	5	1	118	
ASGROW	GS 712	61.1	18.0	35	1	1		
CARGILL	607E	57.0	17.6	34	1	1		
CARGILL	618Y	52.4	15.9	34	1	2		
CARGILL	630	64.8	17.3	34	1	1		
CARGILL	1022	64.7	18.9	35	1	2		
CARGILL	575	53.1	20.9	34	2	2		
CARGILL	70	59.6	17.9	33	2	1	133	147
DEKALB	DK-66	41.7	27.3	33	0	1		
DEKALB	DK-56	45.2	22.2	33	1	1		
DEKALB	DK-48	26.6	21.6	30	0	1		
FS BRAND	4009-R	55.6	20.0	34	0	1	126	158
FS BRAND	4012-R	49.6	18.0	33	1	1	128	141
TERRA	TR 4580	27.2	16.0	31	0	1		
TERRA	TR 4680DR	62.8	21.0	37	1	1		
TRIUMPH	TWO 64 YG	45.1	17.1	32	1	1		
TRIUMPH	TWO 80-D	53.1	19.9	35	0	1	126	
TRIUMPH	TR 60-G	64.5	16.8	36	3	1		
	AVERAGE	55.7	18.8	34	1.4	1.2	127	112
	LSD (0.10)	24.8	2.2	4.0	1.8	0.6	9	24
	CV (%)	32.5	8.4	8	93	32	6	16

1990 ILLINOIS GRAIN SORGHUM RESULTS
DIXON SPRING SORGHUM HYBRIDS

Company	Hybrid	Yield	Moist	Height	Head Exsert.	Head Compact.	1989 Yield	1988 Yield
AGRATECH	GK 712G	53.8	17.0	52	4	1	93	149
AGRATECH	GK 802G	51.2	15.9	53	3	1	71	106
AGRATECH	805 WG	59.1	18.4	55	7	2		
ASGROW	TOPAZ	58.8	16.9	57	5	1		
ASGROW	SENECA	62.3	17.2	45	5	1	88	
ASGROW	GS 712	64.5	17.1	59	4	1		
CARGILL	607E	74.4	15.9	49	5	1		
CARGILL	618Y	65.4	16.9	49	7	2		
CARGILL	630	62.0	15.7	52	3	1		
CARGILL	1022	76.7	15.1	54	6	1		
CARGILL	575	49.8	20.2	57	8	2		
CARGILL	70	50.8	16.2	53	5	2		129
DEKALB	DK-66	60.1	14.9	60	4	1		
DEKALB	DK-56	52.3	19.8	60	6	2		
DEKALB	DK-48	57.3	16.4	57	9	2		
FS BRAND	4009-R	57.9	18.9	59	2	1		
FS BRAND	4012-R	55.6	16.3	51	6	1		
NORTHRUP-KING	KS 710	65.9	18.1	54	9	1		
NORTHRUP-KING	KS 714Y	58.3	19.2	58	4	2		
SUPER-CROST	SC 30	48.2	18.1	58	7	2		
SUPER-CROST	SC 43	64.6	16.3	53	3	1		
SUPER-CROST	SC 40	62.4	15.8	56	3	1		
SUPER-CROST	SC 46	59.6	18.8	58	2	1		
TERRA	TR 4580	59.2	16.0	58	6	1		
TERRA	TR 4680DR	63.9	19.1	59	4	1		
TRIUMPH	TWO 64 YG	65.3	13.5	52	6	1		
TRIUMPH	TWO 80-D	63.1	19.4	59	4	1	68	
TRIUMPH	TR 60-G	75.1	18.3	53	4	1		
	Average	60.6	17.2	55	5.0	1.3	81	131
	LSD (.10)	12.9	ns	3.6	3.0	0.4	23	24
	CV (%)	15.6	14.2	4.9	43.6	23.0	20	14