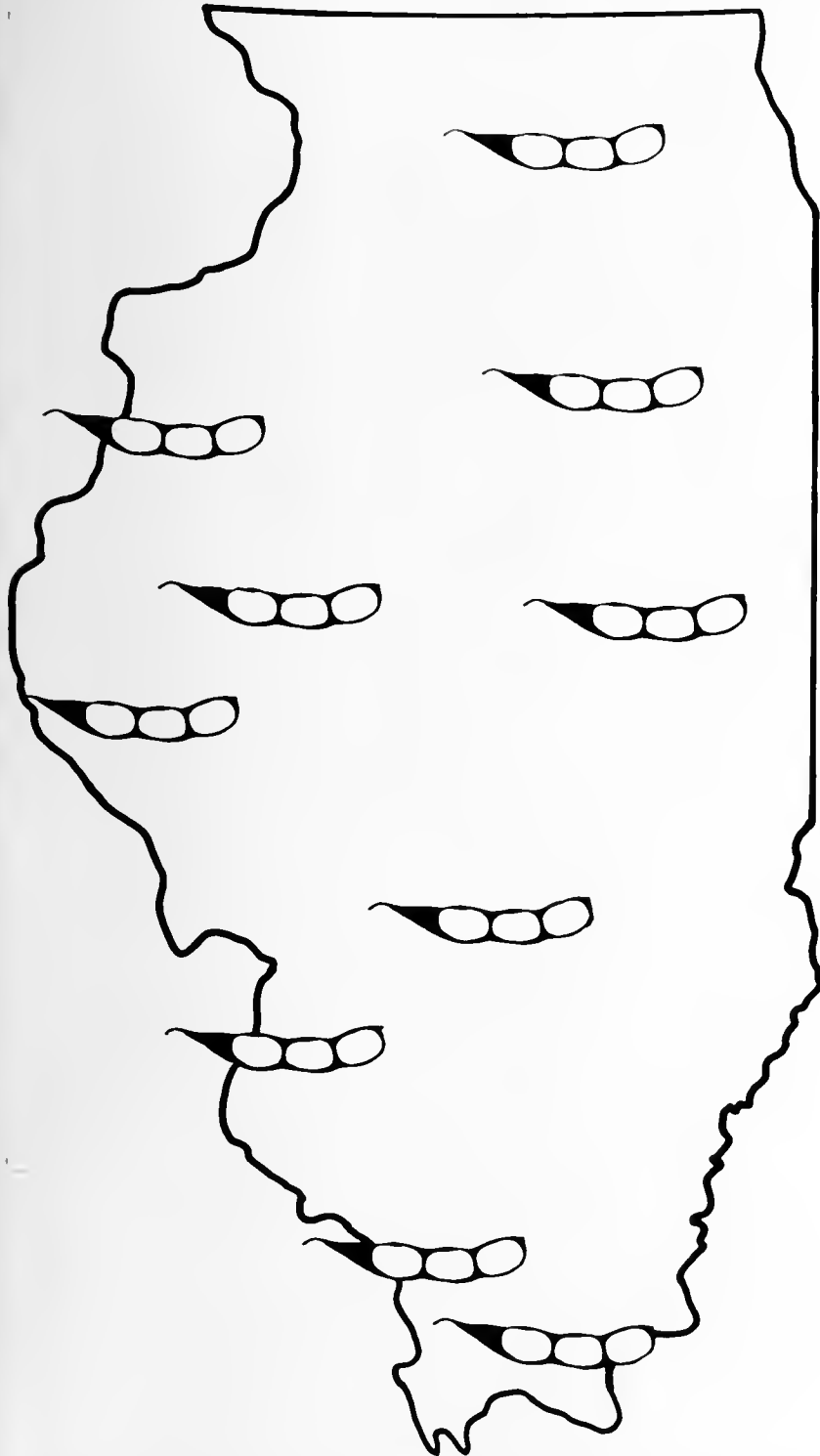


Soybean Variety Test Results in Illinois - 1991



*Performance
Information Provided by*

*Dept. of Agronomy
College of Agriculture
at the
University of Illinois*

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PERFORMANCE OF COMMERCIAL SOYBEANS IN ILLINOIS

THE UNIVERSITY OF ILLINOIS commercial soybean testing program was started in 1969 as a result of requests by seedsmen that their private varieties be tested. The number of individuals participating has increased each year since the start of the program.

The purpose of this commercial soybean testing program is to provide unbiased, objective, and accurate testing of all varieties entered. The tests are conducted on as uniform a soil as is available in the testing area. Small plots are used to reduce the chance of soil and climatic variations occurring between one variety plot and another.

The results of these tests should help you judge the merits of varieties in comparison with other private and public varieties. Because your soils and management may differ from those of the test location, you may wish to plant variety strips of the higher-performing varieties on your farm. The results printed in this circular should help you decide which varieties to try.

TEST PROGRAM

Selection of entries. Soybean producers in Illinois and surrounding states were invited to enter varieties, brands, or blends in the 1991 Illinois soybean performance trials. Entrants were required to enter all nonirrigated, 30-inch-row-width trials on a regional basis (entry in a minimum of two locations required). To help finance the testing program, a fee of \$60 per location was charged for each entry entered by the seed producer. Most of these varieties, brands, or blends are commercially available, but some experimental varieties were also entered.

A total of 1,922 entries were tested in 1991. **Number and location of tests.** In 1991, tests were conducted at 9 locations in the state (see map). These sites represent the major soils and maturity zones of the state.

Nonirrigated, 30-inch-row-width trials were conducted on a regional basis. The regions are as follows:

- Regional I DeKalb and Dwight
- Regional II Monmouth and Urbana
- Regional III Monmouth and Perry
- Regional IV Urbana and Perry
- Regional V Brownstown and Belleville
- Regional VI Carbondale and Dixon Springs

Seven-inch-row-width trials were conducted at Dwight, Urbana, and Brownstown.

Field plot design. Entries of each test were replicated three times in a randomized complete block or alpha lattice design. The 30-inch-row trial plots consisted of four rows, each 20.5 feet long. The center two rows of each plot were harvested to measure yield. The 7-inch-row trial plots consisted of eight rows, each 20.5 feet long. The center six rows were harvested to measure yield. All plots were end-trimmed prior to harvest.

Fertility and weed control. All test locations were at a high level of fertility. Herbicides were used at all test locations for weed control. All plots were also weeded by hand.

Method of planting and harvesting. The 30-inch-row variety trials were planted with a modified bean planter. A custom-built, cone type, narrow-row drill was used to plant the 7-inch trials. Harvesting was done with a small-plot combine. No allowances were made for beans that may have been lost as a result of combining or shattering.

PERFORMANCE DATA

Yield. Soybean yield was measured in bushels (60 pounds) per acre at a moisture content of 12.5 percent. An electronic moisture monitor was used on the combine for all moisture readings.

Maturity. Maturity was stated as the date when approximately 95 percent of the pods were ripe.

Lodging. The amount of lodging was rated at harvest time. The following scale was used:

- 1 - Almost all plants erect
- 2 - All plants leaning slightly or a few plants down
- 3 - All plants leaning moderately (45°), or 25 to 50 percent of the plants down
- 4 - All plants leaning considerably, or 50 to 80 percent of the plants down
- 5 - Almost all plants down

Height. Height was measured shortly before harvest as the average length of plants from the ground to the tip of the main stem.

Shattering. The percentage of open pods was estimated at harvest time. The following scale was used:

- 1 - No shattering
- 2 - 1 to 10% of pods open
- 3 - 10 to 25% of pods open
- 4 - 25 to 50% of pods open
- 5 - Over 50% of pods open

SUGGESTIONS FOR COMPARING ENTRIES

It is impossible to obtain an exact measure of performance when conducting 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 are more reliable than those of a single year or a single-strip test. When one variety 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 considered in selecting a variety. However, yield is not the only indicator. You should also consider maturity, lodging, and germination.

As an aid in comparing soybean varieties, brands, and blends within a single trial, certain statistical tests have been devised. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson¹ is quite simple to apply and is more appropriate than most other tests. When two entries are compared and the difference

between them is greater than the tabulated L.S.D. value, the entries are judged to be "significantly different."

When the observed mean of entry A is larger than that of entry B and the difference between them is found to be significant, then either (1) the mean of entry A really is larger than that of entry B, and a correct decision has been made regarding the means; (2) the means of entries 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 entry B is really larger than that of entry A, and a reverse decision or Type II statistical error has been made (that is, the mean of entry A was declared to be greater than that of entry B, when the reverse is true).

When no significant difference is found between two entries, then either (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, Carmer² found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40 , where α is the Type I statistical error rate for comparisons between means that are really equal. Herein, values of $\alpha = 0.10$ and 0.30 are used in computing the L.S.D. 10- and 30-percent levels shown in the tables.

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

¹Carmer, S.G. and M.R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." *Journal of American Statistical Association* 68:66-74. 1973.

²Carmer, S.G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." *Crop Science* 16:95-99, 1976.

1991 TEST FIELDS

DeKalb

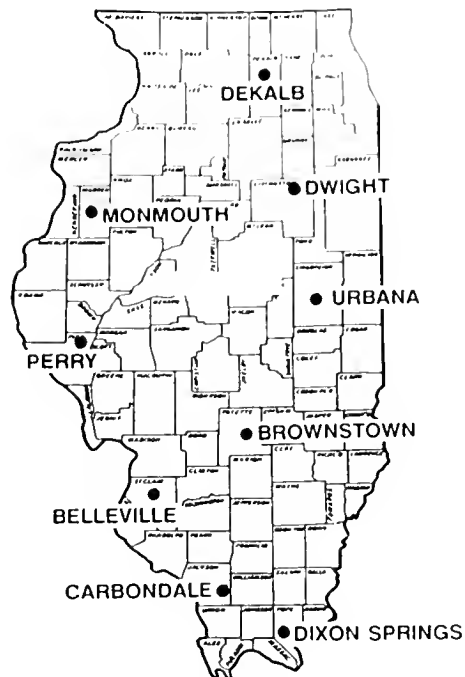
Location: University of Illinois, Northern Illinois Research Center, southwest of DeKalb.

Soil type: Flanagan silt loam (dark brown, adequately drained, highly fertile).

Cooperators: Dave Lindgren, farm foreman; Lyle Paul, research director.

Planting date: May 9.

Harvest dates: September 11 & October 1.



1991 TEST FIELDS (con't.)

Dwight

Location: Livingston County.

Soil type: Elliott silty clay loam.

Cooperator: Larry Zabel.

Planting date: May 10.

Harvest dates: August 30, September 9, 11 & 18.

Monmouth

Location: University of Illinois, Northwestern Illinois Agricultural Research and Demonstration Center, northwest of Monmouth.

Soil type: Muscatine silt loam.

Cooperators: Mike Mainz, agronomist; Roland Caulkins, farm foreman.

Planting date: May 1.

Harvest dates: September 20, October 2 & 8.

Urbana

Location: University of Illinois Agronomy South Farm, Champaign County, east central Illinois.

Soil type: Flanagan silt loam (dark brown, adequately drained).

Cooperators: M.G. Oldham, farm manager; Mike Plotner, farm foreman.

Planting dates: May 3.

Harvest dates: September 13, 16, 19, 23 & 28.

Perry

Location: Orr Research Center, near Perry, Pike County, south central Illinois.

Soil type: Muscatine silt loam (moderately poorly drained).

Cooperators: Glenn Raines, research director; Mike Vose, farm foreman.

Planting date: April 30.

Harvest dates: September 10 & 30.

1991 TEST FIELDS (con't.)

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).

Cooperators: Jim Carter, farm foreman; John Sawyer, research director.

Planting date: May 2.

Harvest dates: September 17 & 25.

Belleville

Location: Southern Illinois University Research Center, east of Belleville, St. Clair County.

Soil type: Ebbert silt loam.

Cooperators: Ron Krausz, researcher; George Kapusta, research director.

Planting date: May 2.

Harvest date: September 27 & October 9.

Carbondale

Location: Southern Illinois University Agronomy Research Center, extreme southern Illinois.

Soil type: Weir silt loam (shallow, silty loam over claypan).

Cooperators: Paul Pinnon, field manager; George Kapusta, agronomist.

Planting date: May 14.

Harvest dates: September 26 & October 11.

Dixon Springs

Location: University of Illinois Dixon Springs Agricultural Center, Pope County, extreme southern Illinois.

Soil type: Belknap silt loam (light-colored, moderately well-drained, medium-textured bottomland).

Cooperators: Steve Ebelhar, research director; Ron Hines, research specialist.

Planting date: May 8.

Harvest dates: September 26 & October 16.

GROWING SEASON RAINFALL, 1991

Location	May	June	July	Aug	Sept
DeKalb	7.63	2.61	0.77	1.16	4.56
Dwight	3.20	0.20	0.50	1.30	1.80
Monmouth	3.96	0.96	4.19	3.65	2.89
Urbana	9.06	0.68	2.82	2.10	2.18
Perry	14.19	0.84	3.67	3.48	2.77
Brownstown	2.88	3.54	2.63	2.96	1.30
Belleville	3.35	1.16	5.07	6.50	4.90
Carbondale	5.34	0.62	1.83	2.23	2.42
Dixon Springs	3.52	0.71	1.44	1.58	4.66

1991 GROWING SEASON COMMENTS

Soybeans were planted by May 14th. The growing season was driest in eastern locations of the state.

Yields at Monmouth and Belleville were excellent and other western locations had good yields. Eastern locations had lower yields due to dry weather.

The 1991 yield results reveal the spotty nature of the rainfall across the state. The harvest season was completed very early and with few problems.

SOURCES OF SEED

Agrigene, Agrigene Seed Research, 11331 Aurora Ave., Des Moines, IA 50322

Agrinetics, Agrinetics, Inc., P.O. Box 151, Naperville, IL 60566

Ainsworth, Ainsworth Seed Co., R.R. 1, P.O. Box 153, Mason City, IL 62664

Asgrow, Asgrow Seed Co., P.O. Box 460, Parkersburg, IA 50665

Baird, Baird Seed Co., R.R. 1, Williamsfield, IL 61489

Baker, Baker Seed Co., 610 W. Seminary, West Salem, IL 62476

Belleville, Belleville Seed House, 3400 S. Illinois St., Belleville, IL 62220

Bergmann-Taylor, Bergmann-Taylor Seeds, Inc., P. O. Box 317, St. Jacob, IL 62281

Bio-Delt, Bio-Delt Ltd., 4735 Sergeant Rd., Waterloo, IA 50701

Brown, Brown Seeds, Rt. 1, P.O. Box 358 A, Neoga, IL 62447

Butzow Seed, Butzow Seed Farm, P.O. Box 84, Sidney, IL 61877

Callahan, Callahan Enterprises, Inc., 1122 E. 169th St., Westfield, IN 46074

Cargill, Cargill, Inc., 15407 McGinty Rd. W., Minnetonka, MN 55345

Caverndale, Caverndale Farms, Inc., 1921 Bluegrass Rd., Danville, KY 40422

Challenger, Challenger Seed Co., P. O. Box 747, Cedar Falls, IA 50613

Ciba-Geigy, Ciba-Geigy Seed Division, 3615 S. Hilton Ln., Peoria, IL 61607

Dairyland, Dairyland Seed Co., Inc., P.O. Box 958, 3470 Hwy H, West Bend, WI 53095

DeKalb, DeKalb Plant Genetics, 3100 Sycamore Road, DeKalb, IL 60115

Deraedt, Deraedt Seeds, P.O. Box 115, Plato Center, IL 60170

Diener, Diener Bros., Inc., R.R. 1, P.O. Box 16A, Reynolds, IN 47980

Eagle, Eagle Seed Co., P.O. Box 308, Weiner, AR 72479

Exseed, Exseed Services, 43 Oak St., P.O. Box 272, Bristol, IL 60512

Furrow, Furrow Seed Co., Rt. 51 S., Box 227, El Paso, IL 61738

Garst-Diamond, Garst, P.O. Box 300, Coon Rapids, IA 50058

Golden Harvest, Garwood Seed Co., R.R. 1, P.O. Box 20, Stonington, IL 62567

Golden Harvest, Golden Seed Co., 27420 137th Ave. N., Cordova, IL 61242

Golden Harvest, Sommer Bros. Seed Co., P.O. Box 248, Pekin, IL 61554

Golden Harvest, Thorp Seed Co., R.R. 3, P.O. Box 257, Clinton, IL 61727

Great Lakes, Great Lakes Hybrids, 9915 W. M-21, Ovid, MI 48866

Griffith, Griffith Seed Co., P.O. Box 38, McNabb, IL 61335
Growmark, Growmark Inc., 1701 Towanda Ave., Box 2500, Bloomington, IL 61702-2500
Henkel, Henkel Seeds, Inc., 107 Cedar Grove Rd., Mendota, IL 61342
Hoblit, Hoblit Seed Co., P.O. Box 487, Atlanta, IL 61723
HyPerformer, HyPerformer Seed Co., 6075 Poplar, Suite 500, Memphis, TN 38119
Jacob Hartz, Jacob Hartz Seed Co., Inc., P.O. Box 946, 901 N. Park Ave., Stuttgart, AR 72160
Jacques, Jacques Seed Co., Hwy. 10-E, Lincoln, IL 61704
J.M. Schultz, J.M. Schultz Seed Co., P.O. Box 211, Dieterich, IL 62424
Kaiser Estech, Kaiser Estech, 2007 W. Hwy. 50, Fairview Heights, IL 62208
Kaltenberg, Kaltenberg Seed Farms, Inc., 5506 Hwy. 19, P.O. Box 278, Waunakee, WI 53597-0278
Kitchen, Kitchen Seed Co., Inc., P.O. Box 286, N. Vine St., Arthur, IL 61911
Kruger, Kruger Seed Co., P.O. Box A, Hwy. 20 E., Dike, IA 50624
Lewis, Lewis Hybrids, Inc., P. O. Box 38, Ursa, IL 62376
Lynks, Lynks Seeds, P. O. Box 637, 1562 Taylor Ave., Marshalltown, IA 50158
McAllister, McAllister Seed Co., Old Hwy. 218 N., Box 28, Mt. Pleasant, IA 52641
Merschman, Merschman Seeds, 103 Ave. D, West Point, IA 52656
Midwest Oilseeds, Midwest Oilseeds, Inc., 2225 Laredo Trail, Adel, IA 50003
Midland Soybean, MSDA, P.O. Box 379, Garden City, MO 64747
Muirhead, Muirhead Farms, 42W814 Rohrsen Rd., Plato Center, IL 60170
NobleBear, NobleBear, Inc., 523 S. Sangamon, Box 529, Gibson City, IL 60936
Northrup King, Northrup King Co., 1324 E. Empire St., Bloomington, IL 61701
Payco Seeds, Payco Seeds, P.O. Box 70, Dassel, MN 55325
Pioneer, Pioneer Hi-Bred International, Inc., 1000 West Jefferson St., Tipton, IN 46072
Plant Breeding Consultants, Plant Breeding Consultants, P.O. Box 972, Urbana, IL 61801
Prairie Stream, Prairie Stream Farms, Inc., R.R. 3, P.O. Box 333, Frankfort, IN 46041
Princeton, Princeton Farms, P.O. Box 319, Princeton, IN 47670
ProfiSeed, ProfiSeed, Inc., Rt. 2, Hampton, IA 50452
Pro-Seed, Pro-Seed, 236 Sugar St., P.O. Box 55, Blissfield, MI 49228
Public Varieties, Illinois Foundation Seeds, Inc., P. O. Box 722, Champaign, IL 61820
Renk, Renk Seed Co., 6800 Wilborn Rd., Sun Prairie, WI 53590
Ridgway, Ridgway Seed Co., P. O. Box 212, Ridgway, IL 62979
Shissler, Shissler Seed Co., R.R. 3, Elmwood, IL 61529
Sieben, Sieben Hybrids, Inc., Hwy. 82 N., Geneseo, IL 61254
Southern Cross Seeds, Miles Seed Co., 2760 Keller Rd., Owensboro, KY 42301

Southern States, Southern States Coop., P.O. Box 26234, Richmond, VA 23260
Sparta, Sparta Seed Co., Rt. 5, Box 32A, Galesburg, IL 61401
Stewart, Stewart Hybrids Inc., R.R. 1, Box 8, Princeville, IL 61559
Stine, Stine Seed Farm, Inc., 2225 Laredo Trail, Adel, IA 50003
Stone, Stone Seed Farms, Inc., R.R. 2, Pleasant Plains, IL 62677
Terra, Terra International, Inc., Terra Centre, 600 4th St., Sioux City, IA 51101
Tri-County Stockdale, Tri-County Stockdale Co., 25512 Black Rd., Joliet, IL 60435
Trisler, Trisler Seed Farms, Inc., R.R. 1, Box 153, Fairmount, IL 61841
Twin States, Twin States Seed Co., R.R. 3, P.O. Box 428, Hoopeston, IL 60942
U.A.P. Seed Co., United Agri-Products, 2514 82nd St., Suite H, Lubbock, TX 79423
Uphoff, Uphoff Seeds, Box 647, W. Rt. 316, Charleston, IL 61920
Voris, Voris Seeds, Inc., P.O. Box 457, Windfall, IN 46076
Wildy Seed, Wildy Seed, Inc., R.R. 1, New Athens, IL 62264
Wilken, Wilken Seed Grains, Inc., P.O. Box 770, Pontiac, IL 61764
Wilson, Wilson Hybrids, Inc., P.O. Box 391, Harlan, IA 51537

1991 ENTRIES

ENTRY

	BRAND (X)	CERTIFIED (C)	
	BLEND (B)	PROTECTED (P)	
	EXPERIMENTAL (E)		
	VARIETY (V)	MATURITY TRIALS	
	RELEASED (R)	GROUP ENTERED*	
AGRIGENE			
AG 228	(V)(R)(P)	II	1
AG 435	(V)(R)(P)	III	3
AG 439	(V)(R)(P)	III	4
AGRINETICS			
AGRISOY 155	(V)(R)(P)	I	1
AGRISOY 2209	(V)(R)(P)	II	1
AGRISOY 222	(V)(R)(P)	II	1
AGRISOY 224	(V)(R)(P)	II	1
AGRISOY 235	(V)(R)(P)	II	1
AGRISOY 240	(V)(R)(P)	II	1
AINSWORTH			
2A-77	(V)(R)	II	2,3,4
2A-88	(V)(R)	II	3
DISCOVERY	(V)(R)	II	2,3,4
3A-21	(V)(R)	III	3
3A-55	(V)(R)	III	4
3A-69	(V)(R)	III	2
TITAN	(V)(R)	III	4
3A-89N	(V)(R)	III	3
ASGROW			
A 1929	(V)(R)(P)	I	1
A 2234	(V)(R)(P)	II	1
A 2396	(V)(R)(P)	II	1,2

*See page 11 for key to trial locations

1991 ENTRIES

ENTRY		BRAND (X)	CERTIFIED (C)	BLEND (B)	PROTECTED (P)	EXPERIMENTAL (E)	VARIETY (V)	MATURITY TRIALS	RELEASED (R)	GROUP ENTERED*
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ASGROW (CONTINUED)

A 2543 (V)(R)(P)	II	1
A 2872 (V)(R)(P)	II	1,2
A 3322 (V)(R)(P)	III	2,3,4
A 3242 (V)(R)(P)	III	2,3,4
A 3427 (V)(R)(P)	III	2,3,4
A 3733 (V)(R)(P)	III	4,5
A 3935 (V)(R)(P)	III	4,5
A 4393 (V)(R)(P)	IV	5,6
A 4595 (V)(R)(P)	IV	5,6
A 4715 (V)(R)(P)	IV	5,6
BAIRD		
B-2290 (X)(V)(R)(P)	II	2
B-2893 (X)(V)(E)(P)	II	2
B-2990 (X)(V)(E)(P)	II	2
B-3082 (X)(V)(R)(P)	III	2
B-3292 (X)(V)(R)(P)	III	2
B-3392 (X)(V)(R)(P)	III	2
B-3491 (X)(V)(R)(P)	III	2
BAKER		
3900 (V)(R)	III	5
3905-SCN (V)(R)	III	5
4500 (V)(R)	IV	5
4215-SCN (V)(R)	IV	5
BELLEVILLE SEED		
BSH 399 NR (V)(R)	III	5,B
BSH 440 (V)(R)	IV	5
BERGMANN-TAYLOR		
BT 399 C (V)(R)	III	5
BT 379 (V)(R)	III	5
BT 392 C (V)(R)	III	5
BT 471 (V)(R)	IV	5,6
BT 500 C (V)(R)	IV	5,6
BIO-DELT		
2146 (X)(V)(R)	IV	6
2157 (X)(V)(E)	V	6
BROWN		
ARISE 362 (V)(R)	III	4,5
ARISE 382 C (V)(R)	III	4,5
ARISE 341 (V)(R)	III	U
BUTZOW		
3629 (V)(E)	III	4
3152 (V)(E)	III	4
CALLAHAN		
2200 X (B)(E)	II	1
2215 X (B)(E)	II	1
9222 (B)(R)	II	1
2232 X (B)(E)	II	1
8252 (V)(R)	II	1
2255 X (B)(E)	II	1
9270 (V)(R)	II	1,4
1288 (V)(R)	II	1

1991 ENTRIES

ENTRY		BRAND (X)	CERTIFIED (C)	BLEND (B)	PROTECTED (P)	EXPERIMENTAL (E)	VARIETY (V)	MATURITY TRIALS	RELEASED (R)	GROUP ENTERED*
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CALLAHAN (CONTINUED)

1290 (V)(R)	II	1,4
2292 X (B)(E)	II	1,4
1330 (V)(R)	III	1,4
9350 (V)(R)	III	1,4
2366 X (V)(E)	III	4,5
1365 X (V)(E)	III	4,5
1380 N (V)(R)	III	4,5
7390 (V)(R)	III	4,5
1393 NX (B)(E)	III	4,5
2383 X (V)(E)	III	4,5
1410 (V)(R)	IV	5,6
1414 NX (B)(E)	IV	5,6
8464 (V)(R)	IV	5,6
1466 N (B)(R)	IV	5,6
1490 X (V)(E)	IV	6
2502 NX (B)(E)	V	6
7510 N (V)(R)	V	6
CARGILL		
277 (V)(R)	II	2
325 (V)(R)	III	4
368 (V)(R)	III	5
445 (V)(R)	IV	6
CAVERNDALE		
CF 450-A (V)(R)	IV	5
CF 490 (V)(R)	IV	6
CHALLENGER		
CSV 267 (V)(R)(P)	II	1,2
CSV 285 (V)(R)(P)	II	2
CSV 2200 (V)(R)(P)	II	1
CSV 2600 (V)(R)(P)	II	1
CSV 3500 (V)(R)(P)	III	2
CIBA-GEIGY		
3197 (V)(R)(C)	I	1
3258 (V)(R)(C)	II	1,2,3,4,U
3311 (V)(R)(C)	III	1,2,3,4,U
3344 (V)(R)(C)	III	2,3,4,U
3385 (V)(R)(C)	III	2,3,4,6,U
3388 (V)(R)(C)	III	2,3,4,6,U
3411 (V)(R)(C)	IV	2,3,4,6
DAIRYLAND		
DSR-262 (V)(R)(CP)	II	1,2,D,U
DSR-288 (V)(R)(CP)	II	1,2,D,U
DSR-305 (V)(R)(CP)	III	2,D,U
DSR-317 (V)(R)(CP)	III	2,U
DSR-333 (V)(R)(CP)	III	2,U
DSR-373 (V)(R)(CP)	III	2,U
DST 3113 (V)(E)	III	2
DSR-217 (V)(R)(CP)	II	1
DEKALB		
CX 210 (V)(R)	II	1
CX 259 (V)(R)	II	1,2

*See page 11 for key to trial locations

1991 ENTRIES

ENTRY			
BRAND (X)	CERTIFIED (C)		
BLEND (B)	PROTECTED (P)		
EXPERIMENTAL (E)			
VARIETY (V)	MATURITY TRIALS		
RELEASED (R)	GROUP ENTERED*		

DEKALB (CONTINUED)

CX 291 (V)(R)	II	1,2	
CX 298 (V)(R)	II	1,2	
CX 329 (V)(R)	III	1,2	
CX 340 C (V)(R)	III	5	
CX 366 (V)(R)	III	2,3,4,5	
CX 415 (V)(R)	IV	5,6	
CX 458 (V)(R)	IV	5,6	
CX 469 C (V)(R)	IV	5,6	
CX 267 (V)(R)	II	1	
DERAEDT			
1860 (X)(V)(R)	I	1,D	
1899 (X)(V)(E)	I	1,D	
2020 (X)(V)(R)	II	1,D	
2101 (X)(V)(E)	II	1,D	
2155 (X)(V)(R)	II	1,D	
DIENER BROS.			
DB-277 (V)(R)(P)	II	1	
DB-308 (V)(R)(P)	III	1	
DB-311 (V)(R)(P)	III	1	
DB-387 A (V)(R)(P)	III	2	
DB-369 (V)(R)(P)	III	2	
EAGLE			
LB 90-1 (V)(E)	IV	6	
LB 90-9 (V)(E)	IV	6	
LB 90-31 (V)(E)	IV	6	
LB 90-39 (V)(E)	IV	6	
LB 90-40 (V)(E)	IV	6	
LB 90-41 (V)(E)	IV	6	
LB 90-42 (V)(E)	IV	6	
LB 90-43 (V)(E)	IV	6	
LB 90-44 (V)(E)	IV	6	
LB 90-45 (V)(E)	IV	6	
RIVERSIDE 499 (V)(R)	IV	6	
LB 90-46 (V)(E)	IV	6	
LB 90-48 (V)(E)	IV	6	
LB 90-65 (V)(E)	IV	6	
LB 90-66-1 (V)(E)	IV	6	
LB 90-66 (V)(E)	IV	6	
LB 90-67 (V)(E)	IV	6	
LB 90-68 (V)(E)	IV	6	
MB 90-6 (V)(E)	IV	6	
SB 90-123 (V)(E)	IV	6	
SB 90-225 (V)(E)	IV	6	
EXSEED			
XS-2422 (V)(R)	II	1	
XS-3542 (V)(R)	III	1,2	
FURROW			
ST-2220 (V)(R)(P)	II	2	
ST-2995 (V)(R)(P)	II	2	
ST-3108 (V)(R)(P)	II	2	

1991 ENTRIES

ENTRY			
BRAND (X)	CERTIFIED (C)		
BLEND (B)	PROTECTED (P)		
EXPERIMENTAL (E)			
VARIETY (V)	MATURITY TRIALS		
RELEASED (R)	GROUP ENTERED*		

GARST-DIAMOND

D-210 (X)(V)(R)	II	1	
SC-291 (X)(V)(R)	II	1	
SC-304 (X)(V)(R)	III	1,2,3,4	
D-300 (V)(R)	III	2,3,4	
CHAMPION (V)(R)	III	2,3,4	
CONQUEST (X)(V)(R)	III	2,3,4,5	
SC-357 (X)(V)(R)	III	2,3,4,5	
D-301 (X)(V)(R)	III	2,3,4,5	
D-305 (X)(V)(R)	III	2,3,4,5	
SC-400 (X)(V)(R)	IV	5	
JACKSON II (V)(R)	IV	5	
GOLDEN HARVEST			
H-1260 (V)(R)	II	1,2,3,4,D	
H-1271 (V)(R)	II	1,2,3,4,D	
H-1278 (V)(R)	II	1,3,D	
EX 298 (V)(E)	II	1,2,3,4,D	
H-1303 (V)(R)	III	3	
H-1355 (V)(R)	III	2,3,4,5	
H-1358 (V)(R)	III	2,3,4,5	
X-264 (V)(E)	II	1	
GREAT LAKES			
GL 2505 (V)(R)(P)	II	1	
GL 2598 (V)(R)(P)	II	1	
GL 3105 (V)(R)(P)	III	2,3,4	
GL 3494 (V)(R)(P)	III	2,3,4	
GL 3698 (V)(R)(P)	III	2,3,4	
GRIFFITH			
4826 X (V)(E)	II	1,2,3,4	
8216 X (V)(E)	II	1,2,3,4	
PL 2100 (V)(R)	II	1,2,3,4	
PL 2202 (V)(R)	II	1,2,3,4	
4541 X (V)(E)	III	2,3,4	
PL 3140 (V)(R)	III	2,3,4	
GROWMARK			
HISOY E-251 (X)(V)(E)	II	2	
HS 2821 (V)(R)(P)	II	2	
HISOY E-303 (X)(V)(E)	III	2	
HISOY E-330 (X)(V)(E)	III	2	
HS 3411 (V)(R)	III	2,5	
HS 3131 (V)(R)	III	2	
HS 3833 (V)(R)	III	5	
HS 4103 (V)(R)	IV	5	
HISOY E-520 (X)(V)(R)	V	6	
HENKEL			
SS 517 (V)(R)(P)	II	1,D	
SS 520 (V)(R)(P)	II	1,D	
SS 522 (V)(R)(P)	II	1,D	
SS 524 (V)(R)(P)	II	1,D	
SS 526 (V)(R)(P)	II	1,D	
SS CN1 (V)(R)(P)	II	1,D	

*See page 11 for key to trial locations

1991 ENTRIES

ENTRY	BRAND (X)	CERTIFIED (C)	BLEND (B)	PROTECTED (P)	EXPERIMENTAL (E)	VARIETY (V)	MATURITY TRIALS	RELEASED (R)	GROUP ENTERED*
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HOBLIT

HB 281 (X)(V)(R)	II	2,3,4
HB 284 (X)(V)(R)	II	2,3,4
HB 360 (X)(V)(R)	III	2,3,4
HB 370 (X)(V)(R)	III	2,3,4

HYPERFORMER

HSC 360 (V)(R)	III	5
HSC 373 (V)(R)	III	5
HSC 415 (V)(R)	IV	5,6
HSC 401 (V)(R)	IV	5,6
HB 90-501 (V)(E)	V	6
HB 91-561 (V)(E)	V	6
HB 91-563 (V)(E)	V	6

JM SCHULTZ

2221 (V)(R)	II	1
2288 (V)(R)	II	1
2575 (V)(R)	II	1
2690 (V)(R)	II	2,3,4
2990 (V)(R)	II	2,3,4
3290 (V)(R)	III	2,3,4
3491 (V)(R)	III	2,3,4
3609 (V)(R)	III	2,3,4,5
3788 (V)(R)	III	2,3,4,5
3791 (V)(R)	III	2,3,4,5
4109 (V)(R)	IV	5,6
4409 (V)(R)	IV	6
4140 (V)(R)	IV	6
4688 (V)(R)	IV	6
4982 (V)(R)	IV	6

JACQUES

J-245 (V)(R)	II	1
J-291 (V)(R)	II	2
J-357 (V)(R)	III	U
J-380 C (V)(R)	III	5
J-399 (V)(R)	III	B
J-467 (V)(R)	IV	6
EXP 9543 C (B)(R)	IV	6

JACOB HARTZ

H 4464 (V)(R)(P)	IV	6
HX 46096 (V)(E)(C)	IV	6

KAISER ESTECH

KE 272 (V)(R)	II	1,2
KE 298 (V)(R)	III	1,2
KE 341 (V)(R)	III	1,2
KE 358 (V)(R)	III	1,2,5
KE 371 (V)(R)	III	2,5
KE 389 (V)(R)	III	2,5
KE 392 (V)(R)	III	5

KALTENBERG

KB 240 (V)(R)(P)	II	1
KB 250 (V)(R)(P)	II	1
KB 261 (V)(R)(P)	II	1

1991 ENTRIES

ENTRY	BRAND (X)	CERTIFIED (C)	BLEND (B)	PROTECTED (P)	EXPERIMENTAL (E)	VARIETY (V)	MATURITY TRIALS	RELEASED (R)	GROUP ENTERED*
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KALTENBERG (CONTINUED)

KB 270 (V)(R)(P)	II	1
KB 308 (V)(R)(P)	III	1,D

KITCHEN

KSC 375 (X)(V)(R)	III	4
KSC 328 C (X)(V)(R)	III	4
KSC 330 C (X)(V)(R)	III	4
KSC 385 (X)(V)(R)	III	4

KRUGER

K 2727 (V)(R)	II	1
DESOY 262 (B)(R)	II	1
DESOY 270 (B)(E)	II	1
K 2888 (V)(E)	II	1
K 2525 (V)(R)	II	1
K 2929 (V)(E)	II	2
K 2777 (V)(E)	II	2
K 2992 (V)(R)	II	2
K 3232 (V)(E)	III	2
K 3333 (V)(R)	III	2
K 3737 (V)(E)	III	2
K 3839 (V)(E)	III	2
K 2650 (V)(E)	II	2

LEWIS

367 (V)(R)	III	2,3,4,U
330 (V)(R)	III	2,3,4
359 (V)(R)	III	2,3,4
282 (V)(R)	II	1
415 (V)(R)	IV	5
409 (V)(R)	IV	5

LYNKS

5270 (V)(R)	II	1,2,3,4
5245 (V)(R)	II	1
5303 (V)(R)	III	2,3,4
5327 (V)(R)	III	2,3,4
5376 (V)(R)	III	4,5
5415 (V)(R)	IV	5

MCALLISTER

ATLAS II (V)(R)	II	2
BARON III (V)(R)	II	2
DUKE (V)(R)	III	2
OMEGA (V)(R)	III	2
SQUIRE (V)(R)	III	D
RULER (V)(R)	III	2
RECYSTER (V)(R)	III	2

MERSCHMAN

VENUS II (V)(R)	I	1
COMMANCHE III (V)(R)	II	1
OSAGE (V)(R)	II	1
UTE (V)(R)	II	1
APACHE V (V)(R)	II	1
SAUK III (B)(R)	II	1,2
SAUK IV (B)(R)	II	1,2

*See page 11 for key to trial locations

1991 ENTRIES

ENTRY

**BRAND (X) CERTIFIED (C)
BLEND (B) PROTECTED (P)
EXPERIMENTAL (E)
VARIETY (V) MATURITY TRIALS
RELEASED (R) GROUP ENTERED***

MERSCHMAN (CONTINUED)

MOHAWK (V)(R)	II	1,2
MOHAVE (V)(R)	II	1,2
CHICKASAW II (V)(R) . . .	II	1,2
SHAWNEE IV (V)(R)	II	1,2
HOOVER II (V)(R)	III	2
HARRISON II (V)(R)	III	2
FILLMORE II (V)(R)	III	2,3,4
FILLMORE III (V)(R)	III	2
KENNEDY III (V)(R)	III	2,3,4
KENNEDY IV (V)(R)	III	2
COOLIDGE (V)(R)	III	2
MONROE IV (V)(R)	III	2
TRUMAN III (V)(R)	III	2,3,4
WASHINGTON VI (V)(R) . . .	III	2,3,4
EISENHOWER II (V)(R) . . .	III	2,3,4
GARFIELD (V)(R)	III	3
ROOSEVELT (V)(R)	III	3
NORFOLK (V)(R)	IV	5
BOSTON III (B)(R)	IV	5
MEMPHIS II (B)(R)	IV	5
ATLANTA II (V)(R)	IV	5
DENVER III (V)(R)	IV	5
DALLAS (V)(R)	IV	5
AUSTIN (V)(R)	IV	5
HAYES (V)(R)	III	2
MSDA		
WILLCROSS 90 (V)(R)	III	3
MIDWEST OILSEEDS		
3110 (V)(R)	III	2
3090 E (V)(R)	III	5
MUIRHEAD		
MF 265 (V)(R)	II	1,D
MF 281 (V)(R)	II	1
MF 299 (V)(R)	II	1
MF 272 (V)(E)	II	1,D
NOBLEBEAR		
NB 2780 (V)(R)	II	1,2,3,4,D,U
NB 2890 (V)(R)	II	1,2,3,4,D,U
NB 3350 (V)(R)	III	2,3,4,U
NB 3750 (V)(R)	III	4,5
NB 3990 (V)(R)	III	4,5,U
NB 4215 (V)(R)	IV	5
NB 2229 (V)(E)	II	1
NB 2290 (V)(E)	II	1,2
NORTHRUP KING		
S 19-90 (V)(R)(P)	I	1,D
X 9020 (V)(E)(P)	II	1
S 23-12 (V)(R)(P)	II	1,D
S 28-18 (V)(R)(P)	II	1,2,3,4,U
S 29-39 (V)(R)(P)	II	2,3,4
X 9034 (V)(E)(P)	III	2,3,4

1991 ENTRIES

ENTRY

**BRAND (X) CERTIFIED (C)
BLEND (B) PROTECTED (P)
EXPERIMENTAL (E)
VARIETY (V) MATURITY TRIALS
RELEASED (R) GROUP ENTERED***

NORTHRUP KING (CONTINUED)

S 30-41 (V)(R)(P)	III	2,3,4
S 36-36 (V)(R)(P)	III	2,3,4
X 9039 (V)(E)(P)	IV	4
S 42-30 (V)(R)(P)	IV	2,3,4
S 42-40 (V)(R)(P)	IV	4,5
S 44-77 (V)(R)(P)	IV	5
S 48-84 (V)(R)(P)	IV	5,6
COKER 425 (V)(R)(CP) . . .	V	6
COKER 6955 (V)(R)(CP) . .	V	6
PAYCO		
PS 9023 (V)(R)	II	1
PS 8927 (V)(R)	II	1,2,3,4
PS 8933 (V)(R)	III	1,2,3,4
PS 9036 (V)(R)	III	2,3,4
PIONEER		
9231 (V)(R)(P)	II	1,D
9272 (V)(R)(P)	II	1,2,D,U
9273 (V)(R)(P)	II	1,2,D,U
9301 (V)(R)(P)	III	3
9302 (V)(R)(P)	III	D
9303 (V)(R)(P)	III	1,2,3,4,D,U
9311 (V)(R)(P)	III	1,3,D,U
9341 (V)(R)(P)	III	1,3,D,U
9381 (V)(R)(P)	III	3,U
9391 (V)(R)(P)	III	3,U
9392 (V)(R)(P)	III	2-6,U,B
9443 (V)(R)(P)	IV	2-6,B
9461 (V)(R)(P)	IV	5,6,B
9521 (V)(R)(P)	V	6
9551 (V)(R)(P)	V	6
PLT BRDG CONSULT		
EX 9140 (V)(E)	IV	5
PRAIRIE STREAM		
PSF 253 (V)(R)	II	4
PSF 279 (V)(R)	II	4
PSF 350 N (V)(R)	III	4
PSF 368 A (V)(R)	III	4
PRINCETON		
PF 3691 (X)(V)(R)	III	5
PF 3787 (X)(V)(R)	III	5
PF 4191 (X)(V)(R)	IV	6
PF 4391 (X)(V)(R)	IV	6
PF 4490 (X)(V)(R)	IV	6
PF 4588 (X)(V)(R)	IV	5,6
PRO-SEED		
PS 215 (V)(R)	II	1
PS 321 (V)(R)	III	2
PROFISEED		
X 263 (V)(E)(P)	II	1,D
X 220 (V)(E)(P)	II	1
X 233 (V)(E)(P)	II	1

*See page 11 for key to trial locations

1991 ENTRIES

ENTRY

BRAND (X) CERTIFIED (C)
BLEND (B) PROTECTED (P)
EXPERIMENTAL (E)
VARIETY (V) MATURITY TRIALS
RELEASED (R) GROUP ENTERED*

PROFISEED (CONTINUED)

2830 (V)(R)(P) II 1,D
 X 252 (V)(R)(P) II 1
 X 185 (V)(E)(P) II 1
 X 382 (V)(E)(P) III 1

PUBLIC

BSR 101 (V)(R)(C) I 1,D
 BELL (V)(R)(CP) I 1,2,D
 JACK (V)(R)(CP) II 1,2,3,4,D,U
 KENWOOD (V)(R)(CP) . . II 1,2,3,4,D,U
 BURLISON (V)(R)(CP) . . II 1,2,3,4,D,U
 CONRAD (V)(R)(CP) . . . II 1,2,3,4,D,U
 CENTURY 84 (V)(R)(CP) II 1,2,3,4,D,U
 BSR 201 (V)(R)(CP) . . . II 1,2,3,4,D,U
 ELGIN 87 (V)(R)(CP) . . . II 1,2,3,4,D,U
 HACK (V)(R)(CP) II 1,2,3,4,D,U
 PRESTON (V)(R)(C) II 1,2,3,4,D,U
 CHAPMAN (V)(R)(C) . . . II 1,2,3,4,D,U
 ARCHER (V)(R)(C) II 1,2,3,4,D,U
 IA 2008 (V)(E) II 1,2,3,4,D,U
 IA 2007 (V)(E) II 1,2,3,4,D,U
 FAYETTE (V)(R)(C) . . . III 5,6,B
 HOBBIT 87 (V)(R) III 1-6,D,U,B
 PELLA 86 (V)(R)(C) . . . III 1-6,D,U,B
 WILLIAMS 82 (V)(R)(C) . III 4,5,6,U,B
 HARPER 87 (V)(R)(CP) . III 1-6,D,U,B
 SHERMAN (V)(R)(CP) . . III 1-6,D,U,B
 CHAMBERLAIN (V)(R)(CP) III 1-6,D,U,B
 CARTTER (V)(R)(C) . . . III 1-6,D,U,B
 RESNIK (V)(R)(CP) III 1-6,D,U,B
 LINFORD (V)(R)(CP) . . . III 2-6,U,B
 EDISON (V)(R)(C) III 1-6,D,U,B
 KUNITZ (V)(R)(C) III 4,5,6,U,B
 FLYER (V)(R)(CP) IV 2-6,B
 PYRAMID (V)(R)(C) IV 5,6
 UNION (V)(R)(C) IV 2-6,B
 HAMILTON (V)(R)(CP) . . IV 2-6,B
 PHARAOH (V)(R)(CP) . . IV 5,6,B
 DELSOY 4210 (V)(R)(C) . IV 5,6,B
 DELSOY 4710 (V)(R)(C) . IV 5,6,B
 SPRY (V)(R)(CP) IV 5,6,B

RENK

RS 1992 (X)(V)(R) I 1
 RS 2191 (X)(V)(R) II 1
 RS 2292 (X)(V)(R) II 1
 RS 2792 (X)(V)(R) II 1

RIDGWAY-JADER

420 (V)(E) IV 5,6
 4881 (V)(R) IV 6
 586 (V)(R) V 6
 EXP 5001 (V)(E) V 6

1991 ENTRIES

ENTRY

BRAND (X) CERTIFIED (C)
BLEND (B) PROTECTED (P)
EXPERIMENTAL (E)
VARIETY (V) MATURITY TRIALS
RELEASED (R) GROUP ENTERED*

SHISSLER

GR8 233 (V)(R)(P) II 1
 GR8 282 (V)(R)(P) II 1,2,3,4
 GR8 297 (V)(R)(P) II 1,2,3,4
 GR8 368 (V)(R)(P) III 2,3,4
 GR8 385 (V)(R)(P) III 2,3,4

SIEBEN

SS 225 (V)(R) II 1,D
 SS 256 (V)(R) II 1,D
 SS 275 (V)(R) II 1,2,3,4,D,U
 SS 285 (V)(R) II 1,2,3,4,D,U
 SS 242 (V)(R) II 1,2,3,4,D,U
 SS 343 (V)(R) III 2,3,4,U
 SS 349 (V)(R) III 2,3,4,U

SOUTHERN CROSS

ISAAC (V)(R)(C) III 6
 JACOB (V)(R)(C) IV 6
 X 001 (V)(E)(P) IV 6

SOUTHERN STATES

SS-391 (V)(R)(P) III 6
 FFR-398 (V)(R) III 6
 FFR-464 (V)(R)(P) IV 6
 SS-487 (V)(R)(P) IV 6
 FFR-561 (V)(R)(P) V 6
 SS-516 (V)(R)(P) V 6

SPARTA

280 (V)(R)(P) II 3
 300 (V)(R)(P) III 3
 340 (V)(R)(P) III 3
 345 (V)(E)(P) III 3

STEWART

201 (V)(R) II 1,D
 215 (V)(R) II 1,D
 392 (V)(R) III 2,D
 301 (V)(R) III 2,D
 393 (V)(R) III 2
 324 (V)(R) III 2,3,4,U
 313 (V)(R) III 2
 315 (V)(R) III 2,3,4

STINE

2960 (V)(R) II 1
 2170 (V)(R) II 1,D
 3260 (V)(R) III 2,3,4
 3075 (B)(R) III 2,3,4
 4880 (V)(R) IV 6
 3280 (V)(R) III 6

STONE

SE 204 (V)(R) III 4,U
 SE 208 (V)(R) II 4,U
 SE 305 (V)(R) III 5,U
 SE 306 (V)(R) III 2,3,4,U
 SE 310 (V)(R) III 5,U

*See page 11 for key to trial locations

1991 ENTRIES

ENTRY		BRAND (X)	CERTIFIED (C)	BLEND (B)	PROTECTED (P)	EXPERIMENTAL (E)	VARIETY (V)	MATURITY TRIALS	RELEASED (R)	GROUP ENTERED*
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STONE (CONTINUED)

EX 3337 (V)(E)	III	4,U								
TERRA										
TR 299 EXP (V)(E)	II	1,2,3,4,D,U								
WINNER (V)(R)	II	1,2,3,4,D,U								
TR 371 EXP (V)(E)	III	5,6								
FINALIST (V)(R)	III	1-5,D,U,B								
SPRINT (V)(R)	II	1								
TR 350 EXP (V)(E)	III	2,3,4,D,U,B								
VICTORY (V)(R)	III	2-6,U,B								
CYCLE (V)(R)	III	2,3,4								
TR 390 SCN EXP (V)(R)	III	5,6								
TR 244 EXP (V)(E)	II	U								
TR 378 EXP (V)(E)	III	U								
TRI-COUNTY										
GA 2290 (V)(R)(P)	II	1,D								
MUSTANG 89 (V)(R)(P)	II	1,2								
PINTO II (V)(R)(P)	II	1,2,D								
GA 3089 (V)(R)(P)	III	2								
TRISLER										
TRISOY 281 (V)(R)	II	1,2								
TRISOY 262 (V)(R)	II	2								
TRISOY 221 (V)(R)	II	1,2								
TRISOY 271 (V)(R)	II	1,2								
TRISOY 2940 (V)(R)	II	1,2,U								
TRISOY 3010 (V)(R)	III	1,2								
TRISOY 3030 (V)(R)	III	1,2								
TRISOY 3440 (V)(R)	III	1,2,5,U								
TRISOY 377 (V)(R)	III	2,5								
TRISOY 3716 (V)(R)	III	1,2,5								
TRISOY 364 (V)(R)	III	2,5								
TRISOY 3980 (V)(R)	III	2,5								
TRISOY 381 (V)(R)	III	5								
TRISOY 4120 (V)(R)	IV	2,5,6								
TRISOY 4310 (V)(R)	IV	5,6								
TRISOY 477 (V)(R)	IV	5,6								
TWIN STATES										
9275 (X)(V)(R)(P)	II	1,2,U								
9330 (X)(V)(R)(P)	III	2,3,4,U								
9390 (X)(V)(R)(P)	III	2-6,U								
9380 (X)(V)(R)(P)	III	2,3,4,5								
U.A.P.										
DYNA-GRO 3180 (V)(R)	I	1								
DYNA-GRO 3230 (V)(R)	II	1,2,D								
DYNA-GRO 3270 (V)(R)	II	1,2,D,U								
DYNA-GRO 3290 (V)(R)	II	1,2								
DYNA-GRO 3340 (V)(R)	III	1,2,3,4,U								
X 71 (V)(E)	III	1,2,3,4,U								
X 80 (V)(E)	II	1,2,D								
X 81 (V)(E)	II	1,2,D								
X 82 (V)(E)	III	2,3,4								
X 83 (V)(E)	II	1,2,D								
X 84 (V)(E)	II	1,2								

1991 ENTRIES

ENTRY		BRAND (X)	CERTIFIED (C)	BLEND (B)	PROTECTED (P)	EXPERIMENTAL (E)	VARIETY (V)	MATURITY TRIALS	RELEASED (R)	GROUP ENTERED*
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UPHOFF

3100 (V)(R)	III	1,2,3,4,D,U								
3400 (V)(R)	III	2,3,4								
3600 (V)(R)	III	2,3,4,5,U,B								
3650 (V)(R)	III	2,3,4,5,B								
1017 (V)(E)	IV	5,6								
1300 (V)(E)	II	1								
VORIS										
289 (V)(R)	II	2,3,4								
277 (V)(R)	II	1,2,3,4								
357 (V)(R)	III	U								
363 (V)(R)	III	2,3,4								
380 (V)(R)	III	5								
309 (V)(R)	III	2,3,4								
WILDY										
WS 3508 (V)(R)(C)	III	5,6								
WS 3838 (V)(R)(C)	III	5,6								
WILKEN										
1475 (X)(V)(R)	I	1								
2390 (X)(V)(R)	II	1								
2405 (X)(V)(R)	II	1,D								
2212 (X)(V)(R)	II	1,2								
2409 (X)(V)(E)	II	1								
2438 (X)(V)(E)	II	1								
2458 (X)(V)(E)	II	1,2								
2460 (X)(V)(R)	II	1,2								
2455 (X)(V)(E)	II	1,2								
2505 (X)(V)(R)	II	1,2								
2510 (X)(V)(R)	II	1								
2516 (X)(V)(E)	II	1								
2542 (X)(V)(R)	II	1,2								
2560 (X)(V)(R)	II	1,2,D,U								
2566 (X)(V)(R)	II	1,2,D,U								
2570 (X)(V)(R)	II	1,2,D,U								
2523 (X)(V)(R)	II	1,2								
2591 (X)(V)(R)	II	1,2								
3404 (X)(V)(E)	III	1,2								
3430 (X)(V)(R)	III	1,2								
3475 (X)(V)(E)	III	2,3,4								
3477 (X)(V)(R)	III	2,3,4								
3484 (X)(V)(R)	III	2,3,4,U								
3621 CN (X)(V)(R)	III	1,2,3,4								
3636 (X)(V)(R)	III	2,3,4								
WILSON										
3165 (V)(R)	III	3								
3300 (B)(R)	III	3								
EXP 9903 (V)(E)	III	3								

*1 = DeKalb & Dwight 30"; 2 = Monmouth & Urbana 30";
 3 = Monmouth & Perry 30"; 4 = Urbana & Perry 30";
 5 = Brownstown & Belleville 30"; 6 = Carbondale & Dixon
 Springs 30"; D = Dwight 7"; U = Urbana 7";
 B = Brownstown 7".

Region I: DeKalb (DE) and Dwight (DW) (30-inch row spacing)

Brand Cultivar or Blend	1991 Results								Average		Brand Cultivar or Blend	1991 Results								Average	
	Reg. (DE)		(DW)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr			Reg. (DE)		(DW)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Yld					Yld	Yld		Yld	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A			
MATURITY GROUP I																					
AGRINETICS																					
AGRI SOY 155	35.	53.	16.	8/26	1.2	24.	1.5	45.7													
ASGROW SEED CO.																					
A 1929	34.	52.	17.	8/26	1.7	25.	2.0	48.0	52.4												
CIBA-GEIGY SEED																					
3197	31.	53.	10.	8/24	1.0	23.	2.7														
DERAEDT SEEDS																					
1860	30.	48.	12.	8/24	1.2	25.	2.7	44.4													
1899	34.	52.	17.	8/31	1.7	25.	1.0														
MERSCHMAN SEEDS																					
VENUS II	36.	64.	7.	8/27	1.2	23.	1.7														
NORTHROP KING CO.																					
S 19-90	37.	56.	19.	8/25	1.2	24.	1.3	48.7	55.1												
PUBLIC VARIETY																					
BELL	39.	58.	20.	8/28	1.8	26.	1.2	49.8	53.3												
BSR 101	37.	60.	14.	8/28	1.3	27.	1.7	47.9	53.3												
RENK SEED CO.																					
RS 1992	41.	65.	18.	8/28	1.4	27.	1.7														
U.A.P. SEED CO.																					
DYNA-GRO 3180	35.	52.	17.	8/27	1.7	26.	1.3														
WILKEN SEED GRAINS																					
1475	34.	50.	17.	8/28	1.7	26.	1.0	46.4													
Average	35.3	55.3	15.3	..	1.4	25	1.6	47.3	53.5												
L.S.D. 10% Level	5.0	6.5	3.1	..	0.4	2	0.5	..	..										
L.S.D. 30% Level	3.1	4.0	1.9	..	0.2	2	0.3	..	..										
SE of Cultivar Mean	1.5	2.7	1.3	..	0.1	1	0.1	1.9	1.1												
MATURITY GROUP II																					
AGRIGENE SEED RESEARCH																					
AG 228	45.	60.	30.	9/08	2.4	33.	1.0	55.4													
AGRINETICS																					
AGRI SOY 2209	47.	60.	34.	9/04	1.4	29.	1.0														
AGRI SOY 222	41.	51.	30.	9/08	2.0	27.	1.1	53.1	57.2												
AGRI SOY 224	39.	57.	22.	9/04	2.1	34.	2.0														
AGRI SOY 235	48.	58.	38.	9/08	1.9	31.	1.0	54.0	54.8												
AGRI SOY 240	48.	64.	31.	9/08	2.4	32.	1.0	56.4													
ASGROW SEED CO.																					
A 2234	30.	46.	13.	8/30	1.4	29.	3.7	43.3	50.1												
A 2396	44.	56.	32.	9/02	1.7	32.	1.2	49.5													
A 2543	40.	52.	28.	9/01	1.3	25.	1.0	52.0	56.4												
A 2872	46.	64.	28.	9/10	1.7	32.	1.0	54.6													
CALLAHAN SEEDS																					
1288	45.	59.	30.	9/07	1.4	28.	1.0	55.4													
1290	49.	66.	31.	9/07	2.0	31.	1.0	58.1	59.8												
2200 X	41.	59.	22.	8/29	1.3	28.	2.8														
2215 X	37.	56.	18.	8/29	1.1	29.	2.9														
2232 X	36.	58.	14.	8/31	1.9	30.	2.9														
2255 X	43.	61.	25.	9/04	1.5	32.	1.3														
2292 X	51.	62.	40.	9/09	2.4	37.	1.0														
8252	48.	59.	36.	9/05	1.4	33.	1.0	56.2	58.0												
9222	40.	60.	21.	8/30	1.7	30.	2.7	49.1	53.3												
9270	49.	67.	32.	9/06	1.5	31.	1.0	60.4	63.2												
CHALLENGER SEED CO.																					
CSV 2200	47.	60.	33.	9/09	1.7	32.	1.0	53.5	55.5												
CSV 2600	45.	60.	30.	9/08	1.5	30.	1.0														
CSV 267	43.	54.	32.	9/07	2.2	31.	1.0	53.1													
CIBA-GEIGY SEED																					
3258	50.	62.	38.	9/05	1.9	33.	1.1	56.2													
DAIRYLAND SEED CO.																					
DSR-217	43.	56.	30.	9/01	1.6	31.	1.2														
DSR-262	44.	57.	31.	9/07	1.9	33.	1.0	54.7	58.7												
DSR-288	47.	61.	32.	9/07	1.6	31.	1.0														
DEKALB PLANT GENETICS																					
CX 210	40.	61.	20.	9/01	1.5	35.	2.6														
CX 259	46.	64.	29.	9/04	1.7	31.	1.0	55.9	58.1												
CX 267	43.	55.	30.	9/05	2.2	34.	1.0														
CX 291	47.	57.	36.	9/09	2.4	37.	1.0														
CX 298	43.	56.	30.	9/09	1.5	31.	1.1	52.2	54.7												
DERAEDT SEEDS																					
2020	40.	47.	34.	9/01	2.2	32.	1.0														
2101	46.	59.	33.	9/05	1.6	30.	1.0														
2155	42.	61.	23.	9/05	1.7	30.	1.2	54.9													
DIENER BROS.																					
DB 277	49.	68.	31.	9/07	1.9	34.	1.1														
EXSEED SERVICES																					
XS-2422	42.	60.	25.	9/02	1.6	31.	1.7														
GARST-DIAMOND																					
D-210	51.	64.	39.	9/05	1.6	33.	1.0	56.4	59.1												
SC-291	45.	63.	27.	9/10	2.3	33.	1.0	55.1													
GOLDEN HARVEST																					
EX 298	40.	49.	32.	9/07	2.0	29.	1.0														
H-1260	49.	65.	33.	9/05	1.6	32.	1.0	57.1													
H-1271	51.	70.	33.	9/06	1.8	35.	1.0														
H-1278	36.	44.	28.	9/09	2.4	28.	1.0	52.6	55.9												
X-264	44.	61.	27.	9/05	1.6	29.	1.0														
GREAT LAKES HYBRIDS																					
GL 2505	49.	68.	30.	9/07	1.7	31.	1.1														
GL 2598	50.	69.	31.	9/08	1.8	32.	1.0														
GRIFFITH SEED CO.																					
4826 X	42.	58.	27.	9/03	1.8	34.	1.4														
8216 X	47.	65.	29.	9/05	1.6	32.	1.1	53.4													
PL 2100	46.	66.	27.	9/09	1.7	33.	1.0	51.3													
PL 2202	46.	60.	33.	9/04	1.6	34.	1.1														
HENKEL SEEDS																					
SUPER SOY 517	34.	56.	12.	8/29	1.4	28.	3.4														
SUPER SOY 520	40.	48.	31.	9/05	1.8	28.	1.1	52.3	56.1												
SUPER SOY 522	44.	61.	27.	9/08	2.2	33.	1.0	55.3													
SUPER SOY 524	48.	65.	31.	9/03	1.7	34.	1.0	52.2													
SUPER SOY 526	49.	68.	30.	9/11	1.6	33.	1.0														
SUPER SOY CN1	47.	59.	35.	9/12	2.0	35.	1.0														
J M SCHULTZ SEED CO.																					
JMS 2221	44.	60.	28.	9/03	1.8	32.	1.0														
JMS 2288	51.	63.	39.	9/08	1.8	32.	1.0	57.3	58.9												
JMS 2575	48.	64.	33.	9/04	1.4	27.	1.3														
JACQUES SEED CO.																					
J-245	41.	50.	32.	9/03	2.0	32.	1.2	47.4													
KAISER ESTECH																					
KE 272	46.	58.	34.	9/09	2.0	30.	1.0														
KALTENBERG SEED FARMS																					

Region I: Dekalb (DE) and Dwight (DW) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average		Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(DE)		(DW)		Mat.	Lod	Ht	Sha		Reg.	(DE)		(DW)		Mat.	Lod	Ht	Sha	2-Yr	3-Yr
	Yld	Yld	Yld	Yld	Yld							Yld	Yld	Yld	Yld						
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A		
KRUGER SEED CO.										PUBLIC VARIETY (continued)											
DESOY 262	48.	61.	36.	9/05	1.7	31.	1.0	58.2	HACK	38.	52.	24.	9/01	1.3	29.	1.1	47.8	52.1			
DESOY 270	42.	59.	25.	9/02	2.0	34.	1.4	IA 2007	43.	52.	33.	9/10	2.1	33.	1.0						
K 2525	45.	61.	30.	9/02	1.4	28.	2.2	IA 2008	35.	57.	13.	8/31	1.9	33.	3.0						
K 2727	47.	67.	27.	9/06	1.7	30.	1.0	59.8	JACK	49.	62.	37.	9/14	2.4	40.	1.0	59.1	61.6			
K 2888	47.	63.	32.	9/09	2.0	35.	1.0	KENWOOD	43.	56.	29.	9/06	2.2	33.	1.0	51.5	54.7				
LEWIS HYBRIDS										PRESTON	44.	54.	34.	9/08	2.2	34.	1.0	51.9	54.6		
282	50.	66.	35.	9/10	2.1	33.	1.0	58.8	60.9	RENK SEED CO.											
LYNKS SEEDS										RS 2191	41.	58.	24.	9/01	1.8	32.	2.4				
5245	49.	67.	31.	9/05	1.5	32.	1.0	55.5	57.6	RS 2292	35.	53.	17.	9/01	1.8	29.	3.0				
5270	49.	66.	32.	9/10	1.9	35.	1.0	RS 2792	51.	64.	38.	9/04	1.6	36.	1.0						
MERSCHMAN SEEDS										SHISSLER SEED CO.											
APACHE V	49.	68.	29.	9/03	1.4	27.	2.4	GR8 233	47.	64.	30.	9/04	1.6	32.	1.4	56.2	57.7				
CHICKASAW II	45.	63.	27.	9/04	1.9	32.	1.4	49.9	GR8 282	46.	62.	30.	9/03	2.1	33.	1.0					
COMMANCHE III	37.	59.	16.	8/31	1.6	32.	3.0	50.4	GR8 297	47.	59.	35.	9/10	2.3	34.	1.0	54.4				
MOHAVE	45.	63.	28.	9/11	1.9	32.	1.0	55.6	58.2	SIEBEN HYBRIDS											
MOHAWK	46.	69.	24.	9/08	1.7	30.	1.2	56.5	60.8	SS 225	48.	60.	36.	9/09	1.7	33.	1.0	55.5	57.1		
OSAGE	42.	62.	22.	9/04	1.9	29.	2.6	SS 242	46.	59.	33.	9/11	2.3	41.	1.0	52.1	53.3				
SAUK III	46.	61.	31.	9/10	1.8	32.	1.0	54.2	56.1	SS 256	46.	63.	29.	9/02	1.7	34.	1.2				
SAUK IV	45.	61.	30.	9/07	1.8	32.	1.0	52.3	SS 275	48.	64.	31.	9/04	1.5	34.	1.0	56.3				
SHAWNEE IV	45.	57.	32.	9/08	1.7	31.	1.0	53.9	SS 285	50.	64.	36.	9/09	2.3	33.	1.1	57.1				
UTE	49.	62.	37.	9/05	1.8	33.	1.2	57.0	58.6	STEWART HYBRIDS											
MUIRHEAD FARMS										201	41.	56.	27.	9/07	2.4	32.	1.0				
272	45.	59.	30.	9/06	1.3	27.	1.0	215	43.	61.	25.	9/07	1.5	30.	1.0	52.7					
MF 265	44.	55.	32.	9/07	1.7	30.	1.1	51.6	STINE SEED CO.												
MF 281	45.	61.	29.	9/06	2.1	33.	1.0	56.2	59.4	2170	45.	58.	32.	9/05	1.9	30.	1.0	56.4	61.4		
MF 299	47.	62.	33.	9/06	2.1	31.	1.0	56.7	2960	49.	71.	26.	9/06	1.7	30.	1.0	59.8	62.2			
NOBLEBEAR										TERRA INTERNATIONAL											
NB 2229	42.	58.	25.	8/31	1.4	27.	1.2	SPRINT	47.	62.	33.	9/07	1.8	33.	1.0	53.6	56.1				
NB 2290	45.	56.	33.	9/04	1.7	32.	1.1	TR 299 EXP	47.	61.	32.	9/10	1.8	32.	1.0						
NB 2780	49.	65.	34.	9/07	1.8	34.	1.2	52.4	WINNER	50.	62.	38.	9/05	1.9	33.	1.0	56.8				
NB 2890	41.	47.	34.	9/09	2.2	28.	1.0	53.1	56.7	TRI-COUNTY STOCKDALE											
NORTHROP KING CO.										GA 2290	38.	49.	26.	8/31	1.5	29.	1.4	51.9			
S 23-12	40.	54.	26.	8/29	1.0	32.	1.5	51.3	56.1	MUSTANG 89	47.	62.	32.	9/09	2.3	34.	1.0	55.9			
S 28-18	41.	56.	26.	9/06	1.6	31.	1.0	52.5	PINTO II	43.	52.	33.	9/08	2.0	31.	1.0	52.6	55.3			
X 9020	46.	58.	34.	8/29	1.7	32.	1.2	TRISLER SEED FARMS													
PAYCO SEEDS										TRISOY 221	43.	54.	32.	9/09	2.1	32.	1.0	51.7	53.3		
PS 8927	51.	69.	32.	9/07	1.9	36.	1.0	TRISOY 271	40.	50.	31.	9/11	2.5	29.	1.0	55.4	57.5				
PS 9023	41.	61.	21.	9/01	2.0	32.	3.0	TRISOY 281	47.	57.	38.	9/05	1.9	34.	1.0	54.8	56.4				
PIONEER HI-BRED INTERN.										TRISOY 2940	42.	56.	28.	9/08	1.6	29.	1.0	51.5			
9231	40.	56.	24.	8/30	1.5	28.	1.5	TWIN STATES													
9272	46.	54.	38.	9/04	1.7	30.	1.1	53.4	58.1	9275	52.	68.	35.	9/08	1.9	35.	1.0				
9273	48.	57.	38.	9/09	1.8	31.	1.1	54.4	U.A.P. SEED CO.												
PRO-SEED										DYNA-GRO 3230	39.	50.	28.	9/03	2.3	33.	1.0				
PS 215	45.	59.	31.	9/02	1.7	31.	1.6	DYNA-GRO 3270	46.	53.	38.	9/09	2.0	32.	1.0						
PROFISEED										DYNA-GRO 3290	44.	59.	29.	9/09	2.2	32.	1.0				
2830	44.	58.	30.	9/08	1.6	31.	1.0	UAPX 80	46.	66.	26.	9/07	1.9	30.	1.4						
X 185	34.	51.	16.	8/28	1.8	30.	3.2	UAPX 81	33.	57.	9.	9/02	1.8	34.	3.0						
X 220	44.	54.	33.	9/04	1.6	28.	1.0	UAPX 83	46.	61.	31.	9/03	1.6	32.	1.3						
X 233	41.	59.	23.	8/31	1.4	30.	2.5	UAPX 84	45.	51.	38.	9/14	1.6	32.	1.0						
X 252	45.	64.	26.	9/06	1.6	30.	1.0	UPHOFF SEEDS													
X 263	46.	63.	29.	9/05	1.7	31.	1.1	1300	44.	57.	31.	9/12	2.4	36.	1.0						
PUBLIC VARIETY										VORIS SEEDS											
ARCHER	33.	56.	10.	8/27	1.7	32.	3.1	46.3	V-277	50.	66.	34.	9/10	2.2	35.	1.0	58.2	60.5			
BSR 201	42.	55.	29.	9/10	2.3	32.	1.0	51.8	54.5	WILKEN SEED GRAINS											
BURLISON	45.	55.	35.	9/05	1.7	29.	1.0	52.8	55.9	2212	38.	47.	29.	9/01	2.0	33.	1.2				
CENTURY 84	37.	51.	23.	9/06	1.7	31.	1.9	44.8	46.9	2390	38.	48.	28.	9/03	2.0	33.	1.6	46.7	51.2		
CHAPMAN	47.	61.	32.	9/07	2.0	33.	1.0	54.0	2405	31.	56.	6.	9/01	1.9	32.	3.1	45.7				
CONRAD	39.	52.	26.	9/02	1.9	32.	1.6	49.8	54.2	2409	40.	57.	23.	9/01	2.1	32.	2.5				
ELGIN 87	43.	57.	29.	9/07	2.3	32.	1.0	50.1	53.3	2438	47.	65.	29.	9/04	1.8	32.	1.2				

Region I: Dekalb (DE) and Dwight (DW) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (DE)		(DW)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
MATURITY GROUP II, continued											
WILKEN SEED GRAINS (continued)											
2455	51.	72.	30.	9/07	1.9	34.	1.0				
2458	46.	63.	29.	9/01	1.7	32.	1.5				
2460	41.	54.	29.	9/06	1.9	30.	1.2	50.6	52.6		
2505	43.	50.	35.	9/10	2.3	33.	1.0	53.8	54.0		
2510	44.	64.	24.	9/07	1.8	29.	1.3	56.8	59.4		
2516	44.	62.	27.	9/04	1.5	30.	2.4				
2523	46.	60.	33.	9/08	2.4	34.	1.0	56.1	58.9		
2542	49.	66.	32.	9/07	1.5	32.	1.0	55.2	57.0		
2560	38.	45.	32.	9/11	2.2	28.	1.0	53.3			
2566	44.	56.	32.	9/08	2.0	32.	1.2	53.8	56.2		
2570	49.	66.	32.	9/05	1.5	32.	1.0	55.2			
2591	43.	53.	33.	9/12	1.7	33.	1.0				
Average	44.2	59.0	29.4	..	1.8	32	1.3	53.8	56.6		
L.S.D. 10% Level	6.0	5.7	6.4	..	0.4	3	0.5	..	..
L.S.D. 30% Level	3.8	3.6	4.0	..	0.2	2	0.3	..	..
SE of Cultivar Mean	1.8	2.4	2.7	..	0.1	1	0.1	3.4	3.2		

MATURITY GROUP III

CALLAHAN SEEDS										
1330	47.	64.	30.	9/16	1.8	31.	1.0	58.0		
9350	44.	57.	31.	9/14	2.2	33.	1.0	55.0		
CIBA-GEIGY SEED										
3311	41.	53.	28.	9/11	1.7	30.	1.0			
DEKALB PLANT GENETICS										
CX 329	43.	54.	33.	9/15	2.1	33.	1.0	53.2		
DIENER BROS.										
DB 308	41.	55.	27.	9/11	1.8	33.	1.2			
DB 311	46.	63.	30.	9/17	1.7	31.	1.0			
EXSEED SERVICES										
XS-3542	39.	53.	26.	9/19	2.1	33.	1.0			
GARST-DIAMOND										
SC-304	40.	56.	25.	9/10	1.9	32.	1.2			
KAISER ESTECH										
KE 298	39.	51.	27.	9/15	2.2	32.	1.0			
KE 341	42.	55.	29.	9/19	2.2	34.	1.0			
KE 358	44.	59.	29.	9/20	2.2	36.	1.0			

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (DE)		(DW)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
KALTENBERG SEED FARMS											
KB 308	42.	59.	25.	9/17	1.7	32.	1.0	54.7			
PAYCO SEEDS											
PS 8933	45.	56.	34.	9/16	2.1	34.	1.0				
PIONEER HI-BRED INTERN.											
9303	42.	57.	26.	9/14	1.6	31.	1.5	53.9	55.4		
9311	46.	58.	33.	9/16	2.2	32.	1.0				
9341	43.	59.	28.	9/19	2.1	32.	1.0	55.0			
PROFISEED											
X 382	40.	57.	23.	9/13	1.7	33.	1.5				
PUBLIC VARIETY											
CARTTER	36.	46.	27.	9/14	2.2	31.	1.0	49.0	53.2		
CHAMBERLAIN	45.	62.	27.	9/20	2.3	35.	1.0	53.3	54.9		
EDISON	42.	57.	27.	9/18	1.9	32.	1.0				
HARPER 87	41.	55.	28.	9/19	1.9	32.	1.0	50.5	51.1		
HOBBIT 87	43.	55.	31.	9/20	1.0	21.	1.0	51.2	55.2		
PELLA 86	43.	59.	26.	9/14	1.8	34.	1.0	50.0	51.4		
RESNIK	41.	51.	30.	9/14	2.2	34.	1.0	52.0	54.1		
SHERMAN	41.	58.	23.	9/18	2.2	31.	1.0	49.2	51.5		
TERRA INTERNATIONAL											
FINALIST	44.	55.	33.	9/17	2.1	32.	1.0	53.6			
TRISLER SEED FARMS											
TRISOY 3010	44.	58.	31.	9/12	1.8	31.	1.3				
TRISOY 3030	44.	61.	26.	9/17	2.1	32.	1.0	54.9			
TRISOY 3440	43.	53.	33.	9/19	1.8	34.	1.0				
TRISOY 3716	46.	59.	34.	9/21	2.1	36.	1.0				
U.A.P. SEED CO.											
DYNA-GRO 3340	45.	56.	33.	9/20	2.1	36.	1.0				
UAPX 71	43.	51.	35.	9/24	1.9	30.	1.0				
UPHOFF SEEDS											
3100	44.	59.	29.	9/15	2.2	31.	1.2	54.0	56.8		
WILKEN SEED GRAINS											
3404	41.	57.	25.	9/09	2.0	31.	1.0				
3430	40.	56.	25.	9/17	1.9	31.	1.0	52.4			
3621 CN	42.	52.	32.	9/20	1.8	35.	1.0	53.4			
Average	42.6	56.3	28.9	..	1.9	32	1.1	53.0	53.7		
L.S.D. 10% Level	6.6	5.5	7.7	..	0.4	3	0.2	..	..
L.S.D. 30% Level	4.2	3.4	4.8	..	0.2	2	0.1	..	..
SE of Cultivar Mean	2.0	2.3	3.3	..	0.1	1	0.1	2.3	2.0		

Region II: Monmouth (MO) and Urbana (UR) (30-inch row spacing)

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (MO)		(UR)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
MATURITY GROUP I											
PUBLIC VARIETY											
BELL	44.	56.	32.	8/26	2.6	27.	1.5	51.4	51.4		
MATURITY GROUP II											
AINSWORTH SEED CO.											
2A-77	54.	67.	40.	9/12	2.0	31.	1.1				
DISCOVERY	58.	71.	44.	9/12	2.3	30.	1.0				

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (MO)		(UR)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
ASGROW SEED CO.											
A 2396	61.	77.	45.	9/01	1.7	31.	1.0	63.9			
A 2872	60.	73.	46.	9/06	2.0	31.	1.0	62.9			
BAIRD SEED CO.											
B-2290	63.	74.	52.	9/05	2.4	34.	1.0	63.6			
B-2893	59.	72.	47.	9/10	1.6	31.	1.0				
B-2990	61.	77.	44.	9/04	1.9	29.	1.0				
CARGILL											
277	53.	68.	39.	9/09	2.1	30.	1.0				

Region II: Monmouth (MO) and Urbana (UR) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average		Brand Cultivar or Blend	1991 Results							Average														
	Reg.	(MO)		(UR)		Mat.	Lod	Ht	Sha		Reg.	(MO)		(UR)		Mat.	Lod	Ht	Sha	2-Yr	3-Yr											
	Yld	Yld	Yld	Yld	Yld							Yld	Yld	Yld	Yld							Yld	Yld	Yld	Yld	Yld	Yld	Yld	Yld	Yld	Yld	
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A													
CHALLENGER SEED CO.										NOBLEBEAR																						
CSV 267	59.	71.	48.	9/04	2.2	33.	1.0	61.8	NB 2290	55.	66.	44.	9/04	2.1	31.	1.0	NB 2780	53.	67.	39.	9/09	2.0	31.	1.1	NB 2890	62.	77.	47.	9/07	1.9	28.	1.0
CSV 285	61.	77.	46.	9/12	1.9	30.	1.0	66.8	NORTHRUP KING CO.																							
CIBA-GEIGY SEED										S 28-18	57.	69.	44.	9/02	2.0	33.	1.2	60.2	S 29-39	60.	73.	48.	9/10	2.0	30.	1.0	65.0					
3258	61.	74.	48.	9/03	2.0	30.	1.0	64.3	PAYCO SEEDS																							
DAIRYLAND SEED CO.										PS 8927	56.	69.	42.	9/10	2.0	31.	1.0	PIONEER HI-BRED INTERN.														
DSR-262	60.	71.	50.	9/01	2.3	33.	1.0	62.9 61.8	9272	64.	77.	51.	9/06	2.2	29.	1.0	63.8 60.7	9273	64.	77.	51.	9/09	1.9	30.	1.0	68.0						
DSR-288	60.	72.	49.	9/06	1.7	30.	1.0	PUBLIC VARIETY																								
DEKALB PLANT GENETICS										ARCHER	42.	58.	25.	8/25	2.6	31.	2.5	52.9	BSR 201	51.	61.	40.	9/07	2.5	34.	1.0	57.7 56.5					
CX 259	61.	73.	49.	9/05	1.8	30.	1.0	64.8	BURLISON	55.	67.	44.	9/04	2.1	30.	1.0	62.5 61.5	CENTURY 84	53.	70.	36.	9/07	1.9	30.	1.3	56.8 54.3						
CX 291	64.	76.	52.	9/11	2.3	36.	1.0	CHAPMAN	60.	74.	46.	9/03	2.2	31.	1.0	64.4	CONRAD	50.	62.	38.	8/29	2.2	31.	1.0	60.2 59.2							
CX 298	61.	75.	47.	9/05	1.7	31.	1.0	61.9 60.9	CONRAD	50.	62.	38.	8/29	2.2	31.	1.0	60.2 59.2	ELGIN 87	54.	64.	45.	9/06	2.4	32.	1.0	59.8 56.3						
FURROW SEED CO.										HACK	47.	65.	29.	9/03	2.0	28.	1.0	54.4 53.7	IA 2007	58.	68.	47.	9/06	1.8	31.	1.0						
ST-2220	58.	75.	41.	9/07	1.7	27.	1.0	64.1	IA 2008	46.	64.	27.	9/02	2.2	32.	2.2	JACK	60.	75.	46.	9/09	2.8	39.	1.0	67.5 65.9							
ST-2995	58.	71.	45.	9/08	2.1	31.	1.0	KENWOOD	57.	67.	46.	9/05	2.4	34.	1.0	62.3 59.3	PRESTON	59.	70.	48.	9/06	2.4	35.	1.0	62.7 61.2							
ST-3108	62.	74.	50.	9/11	2.2	34.	1.0	SHISLER SEED CO.																								
GOLDEN HARVEST										GR8 282	59.	72.	46.	9/01	2.1	31.	1.0	GR8 297	60.	72.	48.	9/07	2.5	35.	1.0	61.2 61.7						
EX 298	61.	75.	47.	9/08	2.3	32.	1.0	SIEBEN HYBRIDS																								
H-1260	64.	78.	49.	9/04	2.0	30.	1.0	66.8 64.9	SS 242	56.	69.	42.	9/05	2.4	39.	1.0	62.0 59.4	SS 275	55.	69.	42.	9/08	2.0	31.	1.0	64.9						
H-1271	56.	68.	44.	9/08	2.0	31.	1.0	SS 285	58.	68.	48.	9/04	2.6	32.	1.0	62.8	TERRA INTERNATIONAL															
GRIFFITH SEED CO.										TR 299 EXP	59.	71.	47.	9/10	2.2	30.	1.0	WINNER	62.	77.	47.	9/05	2.0	30.	1.0	65.1						
4826 X	58.	72.	43.	9/03	2.0	31.	1.2	TRI-COUNTY STOCKDALE																								
8216 X	60.	74.	46.	9/02	2.1	31.	1.0	62.3	MUSTANG 89	57.	69.	45.	9/04	2.2	33.	1.0	PINTO II	62.	78.	46.	9/06	1.6	30.	1.0	65.5 62.7							
PL 2100	54.	65.	43.	9/09	2.1	31.	1.0	60.9	TRISLER SEED FARMS																							
PL 2202	57.	73.	41.	9/04	2.1	32.	1.0	TRISOY 221	57.	70.	45.	9/09	2.3	31.	1.0	TRISOY 262	57.	66.	47.	9/05	2.2	33.	1.0									
GROWMARK										TRISOY 271	61.	75.	48.	9/09	1.8	29.	1.0	TRISOY 281	58.	68.	48.	9/02	2.5	33.	1.0							
HS 2821	59.	80.	38.	9/08	2.0	29.	1.0	64.6 62.7	TRISOY 2940	58.	79.	37.	9/11	1.8	29.	1.0	TWIN STATES															
HS E 251	57.	71.	42.	9/01	2.0	27.	1.2	9275	58.	74.	43.	9/05	2.1	31.	1.0	U.A.P. SEED CO.																
HOBLET SEED CO.										DYNA-GRO 3230																						
HB 281	61.	76.	47.	9/05	1.7	30.	1.0	62.6	DYNA-GRO 3270	61.	74.	48.	9/07	1.5	31.	1.0	DYNA-GRO 3290	61.	70.	51.	9/05	2.6	33.	1.0								
HB 284	53.	63.	42.	9/08	2.0	31.	1.0	UAPX 80	53.	67.	38.	9/04	1.9	30.	1.0	UAPX 81	45.	61.	30.	9/01	2.1	31.	2.0									
J M SCHULTZ SEED CO.										UAPX 83	55.	70.	40.	9/04	2.2	32.	1.0	UAPX 84	60.	76.	44.	9/07	1.7	34.	1.0							
JMS 2690	63.	76.	51.	9/06	1.7	30.	1.0	64.6	CHICKASAW II																							
JMS 2990	59.	71.	47.	9/11	2.0	32.	1.0	63.9	MOHAVE	57.	68.	46.	9/10	2.1	32.	1.0	62.4 59.5	MOHAWK	51.	67.	36.	9/01	1.9	27.	1.0	59.6 57.3						
JACQUES SEED CO.										SAUK III	60.	71.	50.	9/11	1.9	30.	1.0	65.2 62.7	SAUK IV	56.	74.	38.	9/06	2.0	30.	1.0	61.3					
J-291	54.	65.	44.	9/08	2.0	31.	1.0	SHAWNEE IV	64.	79.	48.	9/05	1.6	29.	1.0	64.6	DAIRYLAND SEED CO.															
KAISER ESTECH										DAIRYLAND SEED CO.																						
KE 272	59.	76.	42.	9/09	2.0	28.	1.0	DAIRYLAND SEED CO.																								
KRUGER SEED CO.										DAIRYLAND SEED CO.																						
K 2650	53.	67.	40.	8/31	2.3	32.	1.3	DAIRYLAND SEED CO.																								
K 2777	57.	72.	42.	9/02	2.2	32.	1.2	DAIRYLAND SEED CO.																								
K 2929	58.	74.	42.	9/06	2.1	29.	1.5	DAIRYLAND SEED CO.																								
K 2992	58.	71.	44.	9/12	1.9	30.	1.0	DAIRYLAND SEED CO.																								
LYNKS SEEDS										DAIRYLAND SEED CO.																						
5270	57.	69.	45.	9/09	2.1	31.	1.0	DAIRYLAND SEED CO.																								
MC ALLISTER SEED CO.										DAIRYLAND SEED CO.																						
ATLAS II	51.	63.	40.	8/30	2.2	32.	1.0	DAIRYLAND SEED CO.																								
BARON III	63.	77.	48.	9/07	1.6	31.	1.0	DAIRYLAND SEED CO.																								
MERSCHMAN SEEDS										DAIRYLAND SEED CO.																						

Region II: Monmouth (MO) and Urbana (UR) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average	
	Reg.	(MO) (UR)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld					Yld	Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	
MATURITY GROUP II, continued									
VORIS SEEDS									
V-277	58.	68.	48.	9/03	2.2	33.	1.0	61.6	61.6
V-289	61.	77.	46.	9/02	1.8	30.	1.0	65.9	63.6
WILKEN SEED GRAINS									
2212	50.	62.	39.	9/02	2.5	32.	1.0		
2455	53.	64.	42.	9/05	2.1	29.	1.0		
2458	57.	71.	44.	9/09	2.2	32.	1.1		
2460	61.	73.	50.	9/10	2.1	31.	1.0	66.0	60.8
2505	59.	69.	49.	9/06	2.1	33.	1.0	63.6	62.0
2523	60.	70.	50.	9/04	2.3	33.	1.0	62.8	63.3
2542	61.	75.	47.	9/03	2.1	31.	1.0	60.9	61.1
2560	60.	76.	45.	9/07	2.0	28.	1.0	66.4	63.4
2566	61.	77.	45.	9/05	1.7	30.	1.0	64.8	62.8
2570	57.	75.	38.	9/02	2.0	30.	1.2	61.4	
2591	59.	76.	43.	9/09	1.6	35.	1.0		
Average (Groups I-II)	57.1	70.7	43.6	..	2.1	31	1.1	62.5	60.4
L.S.D. 10% Level	5.6	5.1	6.1	..	0.3	3	0.3	..	..
L.S.D. 30% Level	3.5	3.2	3.9	..	0.2	2	0.2	..	..
SE of Cultivar Mean	1.7	2.2	2.6	..	0.1	1	0.1	3.4	3.4

MATURITY GROUP III

AINSWORTH SEED CO.									
3A-69	68.	80.	56.	9/12	1.4	32.	1.0		
ASGROW SEED CO.									
A 3242	62.	72.	53.	9/13	1.9	35.	1.0		
A 3322	66.	74.	58.	9/14	1.2	32.	1.0	67.8	64.1
A 3427	62.	72.	53.	9/11	1.9	32.	1.0	65.2	63.2
BAIRD SEED CO.									
B-3082	58.	68.	49.	9/11	1.7	33.	1.0	63.3	
B-3292	62.	77.	47.	9/09	1.1	27.	1.0	64.4	
B-3392	65.	76.	54.	9/10	1.5	34.	1.0	66.8	
B-3491	59.	69.	49.	9/10	1.5	37.	1.0	63.9	
CHALLENGER SEED CO.									
CSV 3500	58.	72.	43.	9/12	1.7	36.	1.0	63.5	
CIBA-GEIGY SEED									
3311	62.	71.	52.	9/10	1.8	29.	1.0		
3344	60.	73.	47.	9/13	1.3	36.	1.0	63.5	
3385	65.	75.	55.	9/18	1.7	36.	1.0		
3388	60.	71.	48.	9/11	1.7	35.	1.0		
DAIRYLAND SEED CO.									
DSR-305	63.	75.	51.	9/10	1.9	33.	1.0		
DSR-317	61.	70.	52.	9/16	1.9	40.	1.0	66.3	63.1
DSR-333	60.	69.	51.	9/10	1.4	36.	1.0	63.8	62.4
DSR-373	64.	75.	52.	9/12	1.6	38.	1.0	67.7	64.5
DST-3113	64.	77.	52.	9/17	1.4	31.	1.0	69.4	
DEKALB PLANT GENETICS									
CX 329	58.	70.	47.	9/08	1.6	34.	1.0	62.1	
CX 366	66.	76.	55.	9/13	1.7	37.	1.0	67.6	62.8
DIENER BROS.									
DB 369	65.	76.	53.	9/12	1.6	36.	1.0		
DB 387 A	60.	73.	46.	9/18	2.0	38.	1.0		
EXSEED SERVICES									
XS-3542	64.	76.	52.	9/10	1.7	33.	1.0		
GARST-DIAMOND									
CHAMPION	63.	80.	46.	9/14	1.4	30.	1.0	65.9	62.3
CONQUEST	61.	72.	51.	9/10	1.6	36.	1.0		

Brand Cultivar or Blend	1991 Results							Average	
	Reg.	(MO) (UR)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld					Yld	Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	
GARST-DIAMOND (continued)									
D-300	59.	70.	47.	9/11	1.6	32.	1.0	65.4	62.8
D-301	61.	71.	52.	9/13	2.2	39.	1.0	66.5	63.1
D-305	64.	70.	57.	9/15	1.6	37.	1.0	68.2	63.9
SC-304	61.	76.	47.	9/08	1.5	34.	1.0		
SC-357	68.	77.	58.	9/09	1.4	32.	1.0		
GOLDEN HARVEST									
H-1355	66.	70.	62.	9/16	2.3	42.	1.0	69.2	64.5
H-1358	61.	76.	46.	9/14	1.5	37.	1.0	64.8	
GREAT LAKES HYBRIDS									
GL 3105	63.	73.	54.	9/10	1.8	30.	1.2		
GL 3494	69.	77.	60.	9/10	1.3	33.	1.0		
GL 3698	61.	70.	52.	9/14	2.1	39.	1.0	66.9	
GRIFFITH SEED CO.									
4541 X	61.	73.	49.	9/05	1.2	35.	1.0		
PL 3140	61.	73.	50.	9/12	1.5	37.	1.0	64.7	
GROWMARK									
HS 1311	61.	71.	51.	9/11	1.7	35.	1.0	65.5	62.1
HS 3411	65.	74.	56.	9/15	1.7	35.	1.0	67.9	66.0
HS E 303	60.	75.	45.	9/09	1.5	30.	1.0		
HS E 330	62.	77.	46.	9/12	1.2	30.	1.0		
HOBLIT SEED CO.									
HB 360	63.	71.	54.	9/11	1.6	35.	1.0		
HB 370	62.	75.	50.	9/15	2.3	41.	1.0		
J M SCHULTZ SEED CO.									
JMS 3290	61.	70.	52.	9/12	2.2	38.	1.0	66.9	
JMS 3491	60.	73.	48.	9/12	1.8	31.	1.0		
JMS 3609	61.	73.	49.	9/13	1.5	34.	1.0	64.0	61.7
JMS 3788	57.	68.	46.	9/17	1.5	36.	1.0	66.4	62.7
JMS 3791	67.	76.	59.	9/15	1.8	35.	1.0		
KAISER ESTECH									
KE 298	62.	74.	50.	9/08	1.5	32.	1.0	65.4	63.3
KE 341	63.	72.	54.	9/12	1.6	35.	1.0		
KE 358	61.	68.	54.	9/12	2.5	42.	1.0	65.8	62.0
KE 371	69.	75.	63.	9/17	1.5	34.	1.0	69.8	
KE 389	65.	72.	57.	9/13	1.7	38.	1.0	68.1	64.3
KRUGER SEED CO.									
K 3232	60.	68.	52.	9/08	1.7	33.	1.2		
K 3333	66.	78.	54.	9/13	1.7	33.	1.0	70.8	
K 3737	58.	67.	48.	9/12	2.4	41.	1.0		
K 3839	63.	74.	51.	9/16	2.5	39.	1.0		
LEWIS HYBRIDS									
330	62.	76.	49.	9/12	1.4	27.	1.0		
359	60.	69.	50.	9/12	1.7	36.	1.0		
367	61.	72.	50.	9/15	2.3	36.	1.0	67.6	
LYNKS SEEDS									
5303	57.	70.	44.	9/10	1.5	30.	1.0	64.1	60.9
5327	66.	78.	55.	9/09	1.3	32.	1.0		
MC ALLISTER SEED CO.									
DUKE	62.	73.	51.	9/11	2.1	34.	1.0		
OMEGA	59.	69.	48.	9/08	1.5	36.	1.0		
RECYSTER	62.	75.	50.	9/15	1.5	38.	1.0		
RULER	70.	76.	64.	9/16	1.7	36.	1.0		
MERSCHMAN SEEDS									
COOLIDGE	63.	75.	51.	9/11	1.4	31.	1.0		
EISENHOWER II	67.	77.	57.	9/19	2.2	38.	1.0	66.7	63.3
FILLMORE II	59.	73.	45.	9/12	1.7	33.	1.0	64.2	60.6
FILLMORE III	62.	77.	46.	9/15	1.9	31.	1.2		
HARRISON II	60.	74.	46.	9/09	1.3	32.	1.0		
HAYES	60.	74.	47.	9/10	1.6	32.	1.0		

Region II: Monmouth (MO) and Urbana (UR) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average		Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(MO)		(UR)		Mat.	Lod	Ht	Sha		Reg.	(MO)		(UR)		Mat.	Lod	Ht	Sha	2-Yr	3-Yr
	Yld	Yld	Yld	Date	gng							in	ter	Yld	Yld						
Bu/A	Bu/A	Bu/A							Bu/A	Bu/A	Bu/A							Bu/A	Bu/A		
MERSCHMAN SEEDS (continued)										TRISLER SEED FARMS											
HOOVER II	60.	73.	48.	9/09	1.9	32.	1.0	66.1	61.8	TRISOY 3010	60.	68.	51.	9/07	1.7	31.	1.2				
KENNEDY III	64.	75.	53.	9/18	1.8	34.	1.0	66.9	64.9	TRISOY 3030	56.	73.	39.	9/08	2.3	32.	1.0				
KENNEDY IV	66.	78.	54.	9/15	1.8	35.	1.0			TRISOY 3440	61.	73.	48.	9/08	1.5	34.	1.0				
MONROE IV	62.	74.	49.	9/16	1.6	39.	1.0			TRISOY 364	65.	74.	55.	9/14	2.4	41.	1.0				
TRUMAN III	64.	75.	52.	9/11	1.3	33.	1.0	67.4	63.5	TRISOY 3716	61.	73.	49.	9/15	1.7	36.	1.0				
WASHINGTON VI	63.	73.	53.	9/17	1.8	36.	1.0	66.9	62.2	TRISOY 377	60.	73.	47.	9/15	1.2	31.	1.0				
MIDWEST OILSEEDS										TRISOY 3980	65.	74.	57.	9/15	1.4	31.	1.0				
3110	62.	75.	48.	9/10	2.0	33.	1.0	69.0		TWIN STATES											
NOBLEBEAR										9330	62.	71.	54.	9/11	1.7	33.	1.0	65.2			
NB 3350	60.	70.	49.	9/11	2.0	31.	1.0			9380	62.	71.	53.	9/14	2.4	43.	1.0	67.2			
NORTHROP KING CO.										9390	62.	70.	55.	9/14	1.5	34.	1.0	67.1			
S 30-41	59.	69.	49.	9/08	1.5	31.	1.0	64.1	60.6	U.A.P. SEED CO.											
S 36-36	62.	71.	53.	9/16	1.8	34.	1.0	65.1	61.9	DYNA-GRO 3340	59.	70.	48.	9/14	1.6	36.	1.0				
X 9034	63.	77.	50.	9/13	1.3	33.	1.0			UAPX 71	66.	75.	56.	9/17	1.2	27.	1.0				
PAYCO SEEDS										UAPX 82	59.	70.	49.	9/14	2.1	40.	1.0				
PS 8933	63.	73.	53.	9/09	1.7	34.	1.0			UPHOFF SEEDS											
PS 9036	62.	73.	51.	9/11	1.5	31.	1.0			3100	59.	69.	49.	9/10	1.8	32.	1.0	63.7	61.5		
PIONEER HI-BRED INTERN.										3400	63.	70.	55.	9/14	1.9	36.	1.0	66.5	62.1		
9303	56.	73.	40.	9/09	1.6	28.	1.0	64.5	60.9	3600	61.	72.	51.	9/14	1.7	38.	1.0	64.9	60.8		
9392	64.	73.	55.	9/14	1.5	37.	1.0			3650	60.	70.	50.	9/15	2.1	35.	1.0				
PRO-SEED										VORIS SEEDS											
PS 321	64.	73.	56.	9/12	1.5	33.	1.0			V-309	64.	74.	54.	9/12	2.1	34.	1.0	66.2	62.6		
PUBLIC VARIETY										V-363	66.	75.	56.	9/11	1.5	32.	1.0	67.3			
CARTTER	53.	63.	44.	9/11	2.0	32.	1.0	59.5	57.5	WILKEN SEED GRAINS											
CHAMBERLAIN	61.	72.	50.	9/09	2.3	37.	1.0	61.4	58.6	3404	58.	66.	50.	9/03	2.2	32.	1.0				
EDISON	62.	73.	50.	9/10	1.5	32.	1.0	64.2		3430	59.	69.	50.	9/11	2.0	34.	1.0	64.1	60.6		
HARPER 87	58.	71.	45.	9/13	1.6	32.	1.0	60.8	57.7	3475	60.	70.	50.	9/14	2.1	41.	1.0				
HOBBIT 87	61.	81.	41.	9/14	1.1	19.	1.0	63.3	60.0	3477	59.	65.	53.	9/14	2.0	38.	1.0	64.5	61.5		
LINFORD	60.	67.	53.	9/14	2.5	43.	1.0	62.0	57.6	3484	57.	70.	43.	9/15	1.7	38.	1.0	64.3	60.2		
PELLA 86	52.	62.	42.	9/12	1.6	31.	1.0	59.9	57.4	3621 CN	60.	67.	52.	9/10	1.4	37.	1.0	63.6	61.4		
RESNIK	61.	72.	51.	9/11	1.8	32.	1.0	63.1	61.3	3636	60.	72.	49.	9/11	1.8	36.	1.0				
SHERMAN	57.	68.	45.	9/12	2.1	31.	1.0	61.0	56.9	Average	61.6	72.5	50.6	..	1.8	35	1.0	65.4	61.7		
SHISSLER SEED CO.										L.S.D. 10% Level	6.7	5.0	8.1	..	0.4	3	0.1	..	..
GR8 368	60.	71.	48.	9/11	1.9	32.	1.0	63.4	61.3	L.S.D. 30% Level	4.2	3.2	5.1	..	0.2	2	0.1	..	..
GR8 385	63.	72.	54.	9/16	2.4	41.	1.0	66.8	63.7	SE of Cultivar Mean	2.0	2.2	3.5	..	0.1	1	0.0	2.3	2.1		
SIEBEN HYBRIDS										MATURITY GROUP IV											
SS 343	62.	69.	56.	9/13	2.0	34.	1.0	65.5	61.5	CIBA-GEIGY SEED											
SS 349	57.	71.	44.	9/10	1.6	30.	1.0	62.9	60.8	3411	71.	90.	52.	9/14	1.9	35.	1.0				
STEWART HYBRIDS										NORTHROP KING CO.											
301	57.	65.	49.	9/10	1.7	33.	1.0			S 42-30	68.	78.	57.	9/19	1.7	34.	1.0				
313	62.	71.	52.	9/12	2.1	41.	1.0			PIONEER HI-BRED INTERN.											
315	59.	69.	49.	9/12	2.3	37.	1.0			9443	62.	77.	47.	9/20	1.9	35.	1.0				
324	61.	79.	43.	9/12	1.4	27.	1.0			PUBLIC VARIETY											
392	60.	72.	49.	9/14	2.5	40.	1.0	64.6	60.4	FLYER	68.	84.	52.	9/15	1.4	34.	1.0	67.6	64.4		
393	57.	73.	41.	9/04	1.6	33.	1.0	61.2	58.5	HAMILTON	61.	73.	50.	9/19	2.4	31.	1.0	66.2	61.6		
STINE SEED CO.										UNION	57.	69.	44.	9/16	2.7	45.	1.0	57.8	54.2		
3075	63.	70.	55.	9/13	2.3	35.	1.0	68.3		TRISLER SEED FARMS											
3260	67.	78.	56.	9/17	1.7	35.	1.0	69.4	65.6	TRISOY 4120	74.	89.	59.	9/18	2.1	36.	1.0				
STONE SEED FARMS										Average	65.9	80.2	51.7	..	2.0	36	1.0	63.9	60.1		
SE-306	63.	75.	51.	9/20	1.4	32.	1.0	66.2		L.S.D. 10% Level	8.7	7.1	10.4	..	0.4	3	..	..	..
TERRA INTERNATIONAL										L.S.D. 30% Level	5.4	4.3	6.5	..	0.2	2	..	..	..
CYCLE	63.	68.	58.	9/13	1.8	36.	1.0	64.3	60.3	SE of Cultivar Mean	2.6	2.8	4.3	..	0.1	1	..	5.3	5.3		
FINALIST	61.	71.	50.	9/13	1.9	33.	1.0	65.6													
TR 350 EXP	64.	73.	54.	9/14	1.8	37.	1.0														
VICTORY	63.	72.	53.	9/13	2.2	39.	1.0	67.0													
TRI-COUNTY STOCKDALE																					
GA 3089	62.	69.	55.	9/11	2.6	35.	1.0	65.6	62.2												

Region III: Monmouth (MO) and Perry (PE) (30-inch row spacing)

Brand Cultivar or Blend	1991 Results							Average		
	Reg. (MO)		(PE)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A		
MATURITY GROUP II										
AINSWORTH SEED CO.										
2A-77	52.	67.	37.	9/11	2.0	32.	1.0			
2A-88	60.	68.	51.	9/04	2.6	36.	1.0	58.8		
DISCOVERY	59.	71.	48.	9/10	2.4	32.	1.0	61.6	55.7	
CIBA-GEIGY SEED										
3258	60.	74.	46.	9/02	2.0	31.	1.0			
GOLDEN HARVEST										
EX 298	64.	75.	53.	9/08	2.3	33.	1.0			
H-1260	61.	78.	43.	9/01	2.0	29.	1.0	59.7	55.8	
H-1271	54.	68.	40.	9/08	2.0	32.	1.0			
H-1278	60.	73.	48.	9/08	1.9	29.	1.0	61.7		
GRIFFITH SEED CO.										
4826 X	59.	72.	46.	9/05	2.1	33.	1.0			
8216 X	58.	74.	41.	8/31	2.1	30.	1.0	55.5		
PL 2100	51.	65.	38.	9/10	2.1	32.	1.0	57.3		
PL 2202	57.	73.	41.	9/03	2.2	33.	1.0			
HOBLIT SEED CO.										
HB 281	62.	76.	49.	9/05	1.7	31.	1.0			
HB 284	52.	63.	41.	9/07	2.0	31.	1.0			
J M SCHULTZ SEED CO.										
JMS 2690	62.	76.	48.	9/05	1.6	31.	1.0	60.6		
JMS 2990	57.	71.	43.	9/09	2.2	33.	1.0	61.0		
LYNKS SEEDS										
5270	53.	69.	37.	9/09	2.1	31.	1.0			
NOBLEBEAR										
NB 2780	53.	67.	40.	9/09	2.0	33.	1.0			
NB 2890	61.	77.	44.	9/10	1.9	29.	1.0			
NORTHRUP KING CO.										
S 28-18	58.	69.	47.	9/04	2.2	32.	1.0			
S 29-39	61.	73.	49.	9/09	2.1	30.	1.0			
PAYCO SEEDS										
PS 8927	53.	69.	37.	9/09	2.0	30.	1.0			
PUBLIC VARIETY										
ARCHER	44.	58.	29.	8/24	2.5	30.	1.3	50.5		
BSR 201	50.	61.	39.	9/06	2.8	33.	1.0	53.0	49.0	
BURLISON	57.	67.	47.	9/03	2.2	30.	1.0	58.9	54.5	
CENTURY 84	55.	70.	40.	9/04	1.9	31.	1.0	56.7	50.5	
CHAPMAN	62.	74.	49.	9/05	2.2	32.	1.0	61.8		
CONRAD	54.	62.	45.	9/01	2.3	33.	1.0	58.8	53.2	
ELGIN 87	57.	64.	49.	9/08	2.6	32.	1.0	57.5	50.4	
HACK	51.	65.	37.	9/01	2.0	28.	1.0	52.4	48.1	
IA 2007	57.	68.	46.	9/06	1.9	31.	1.0			
IA 2008	54.	64.	43.	8/27	2.5	32.	1.2			
JACK	61.	75.	48.	9/08	3.2	40.	1.0	68.7	60.4	
KENWOOD	58.	67.	50.	9/05	2.6	32.	1.0	58.6	52.9	
PRESTON	62.	70.	54.	9/04	2.5	35.	1.0	61.3	55.6	
SHISSLER SEED CO.										
GR8 282	55.	72.	39.	9/02	2.1	30.	1.0			
GR8 297	60.	72.	48.	9/05	2.6	35.	1.0	59.6	54.4	
SIEBEN HYBRIDS										
SS 242	57.	69.	45.	9/08	2.5	40.	1.0			
SS 275	52.	69.	35.	9/08	2.0	31.	1.0			
SS 285	61.	68.	54.	9/04	2.7	35.	1.0			
SPARTA SEED CO.										
280	61.	73.	50.	9/07	2.2	35.	1.0			
TERRA INTERNATIONAL										
TR 299 EXP	61.	71.	51.	9/10	2.2	31.	1.0			
WINNER	65.	77.	54.	9/02	2.1	32.	1.0	62.8		

Brand Cultivar or Blend	1991 Results							Average		
	Reg. (MO)		(PE)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A		
VORIS SEEDS										
V-277	60.	68.	51.	9/02	2.3	34.	1.0	59.0	54.4	
V-289	68.	77.	58.	9/04	1.9	33.	1.0	65.8	58.8	
Average	57.2	70.7	45.2	..	2.2	32	1.0	59.2	53.9	
L.S.D. 10% Level	6.5	5.1	7.8	..	0.4	3	0.2	..	..
L.S.D. 30% Level	4.1	3.2	4.9	..	0.2	2	0.1	..	..
SE of Cultivar Mean	2.0	2.2	3.3	..	0.1	1	0.1	4.1	3.5	
MATURITY GROUP III										
AGRIGENE SEED RESEARCH										
AG 435	65.	74.	57.	9/14	1.5	33.	1.0			
AINSWORTH SEED CO.										
3A-21	65.	72.	58.	9/10	1.9	34.	1.0			
3A-89 N	69.	72.	65.	9/17	1.9	38.	1.0			
ASGROW SEED CO.										
A 3242	63.	72.	54.	9/10	1.9	34.	1.0			
A 3322	68.	74.	63.	9/16	1.3	33.	1.0	64.5	59.2	
A 3427	67.	72.	63.	9/10	2.0	34.	1.0	66.3	62.6	
CIBA-GEIGY SEED										
3311	63.	71.	55.	9/08	1.8	31.	1.0			
3344	66.	73.	60.	9/11	1.6	38.	1.0	63.6		
3385	70.	75.	65.	9/20	1.8	38.	1.0			
3388	65.	71.	59.	9/15	1.8	38.	1.0			
DEKALB PLANT GENETICS										
CX 366	69.	76.	61.	9/15	1.8	39.	1.0	65.7	60.2	
GARST-DIAMOND										
CHAMPION	69.	80.	58.	9/12	1.6	32.	1.0	65.0	58.7	
CONQUEST	64.	72.	56.	9/12	2.0	38.	1.0			
D-300	64.	70.	58.	9/14	1.7	34.	1.0	64.2	59.0	
D-301	68.	71.	64.	9/18	2.7	42.	1.0	66.4	61.7	
D-305	68.	70.	65.	9/19	1.7	39.	1.0	67.1	60.7	
SC-304	66.	76.	56.	9/10	1.5	34.	1.0			
SC-357	70.	77.	63.	9/10	1.5	33.	1.0			
GOLDEN HARVEST										
H-1303	63.	70.	57.	9/12	2.1	34.	1.0	64.4	58.4	
H-1355	67.	70.	65.	9/17	2.6	42.	1.0	67.2	60.2	
H-1358	67.	76.	59.	9/15	1.9	38.	1.0	64.9		
GREAT LAKES HYBRIDS										
GL 3105	69.	73.	65.	9/10	1.9	33.	1.2			
GL 3494	67.	77.	57.	9/09	1.4	33.	1.0			
GL 3698	72.	70.	74.	9/17	2.7	41.	1.0	68.9		
GRIFFITH SEED CO.										
4541 X	65.	73.	58.	9/06	1.5	36.	1.0			
PL 3140	66.	73.	59.	9/12	1.8	38.	1.0	64.2		
HOBLIT SEED CO.										
HB 360	64.	71.	56.	9/11	1.8	35.	1.0			
HB 370	70.	75.	65.	9/19	2.8	44.	1.0			
J M SCHULTZ SEED CO.										
JMS 3290	68.	70.	66.	9/16	2.6	39.	1.0	67.7		
JMS 3491	65.	73.	58.	9/11	1.9	31.	1.0			
JMS 3609	63.	73.	54.	9/14	1.7	36.	1.0	64.4	58.9	
JMS 3788	66.	68.	65.	9/21	1.8	37.	1.0	66.7	60.3	
JMS 3791	71.	76.	66.	9/15	1.9	37.	1.0			
LEWIS HYBRIDS										
330	65.	76.	53.	9/15	1.4	28.	1.0			
359	67.	69.	65.	9/17	1.9	38.	1.0			
367	67.	72.	63.	9/17	2.5	40.	1.0	67.8		

Region III: Monmouth (MO) and Perry (PE) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(MO)		(PE)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
LYNKS SEEDS											
5303	63.	70.	56.	9/09	1.8	32.	1.0	65.1	57.6		
5327	72.	78.	66.	9/09	1.2	34.	1.0				
MERSCHMAN SEEDS											
EISENHOWER II	75.	77.	72.	9/22	2.4	39.	1.0	68.7	62.3		
FILLMORE II	67.	73.	61.	9/15	1.8	34.	1.0	65.2	58.9		
GARFIELD	67.	74.	60.	9/15	2.1	38.	1.0	65.0	60.1		
KENNEDY III	71.	75.	67.	9/22	1.8	35.	1.0	68.7	63.6		
ROOSEVELT	68.	77.	60.	9/17	2.1	37.	1.0	66.1			
TRUMAN III	71.	75.	66.	9/12	1.5	35.	1.0	68.5	62.7		
WASHINGTON VI	70.	73.	66.	9/19	2.0	38.	1.0	68.8	61.3		
MIDLAND SOYBEAN											
WILLCROSS 90	64.	66.	61.	9/18	3.0	42.	1.0				
NOBLEBEAR											
NB 3350	65.	70.	60.	9/10	2.0	33.	1.2				
NORTHRUP KING CO.											
S 30-41	63.	69.	57.	9/07	1.6	33.	1.0				
S 36-36	66.	71.	60.	9/21	1.9	36.	1.0	65.0	59.8		
X 9034	69.	77.	61.	9/11	1.4	34.	1.0				
PAYCO SEEDS											
PS 8933	69.	73.	64.	9/11	1.7	36.	1.0				
PS 9036	67.	73.	61.	9/10	1.5	33.	1.0				
PIONEER HI-BRED INTERN.											
9301	63.	70.	57.	9/10	2.6	37.	1.0	62.8	56.4		
9303	64.	73.	56.	9/09	1.5	29.	1.3	64.2	57.1		
9311	66.	74.	58.	9/08	1.8	34.	1.0				
9341	68.	78.	57.	9/13	1.4	34.	1.0	67.2	60.4		
9381	76.	84.	68.	9/22	1.7	36.	1.0	70.6			
9391	68.	72.	65.	9/16	2.1	38.	1.0	66.4	61.9		
9392	67.	73.	60.	9/18	1.7	38.	1.0				
PUBLIC VARIETY											
CARTTER	55.	63.	48.	9/10	2.7	33.	1.3	57.3	52.7		
CHAMBERLAIN	64.	72.	56.	9/10	2.9	38.	1.0	61.5	55.7		
EDISON	70.	73.	67.	9/10	1.7	35.	1.0	66.8			
HARPER 87	68.	71.	65.	9/13	1.8	34.	1.0	62.6	56.2		
HOBBIT 87	68.	81.	55.	9/15	1.0	22.	1.0	62.4	56.4		
LINFORD	62.	67.	57.	9/15	3.2	43.	1.0	61.4	55.5		
PELLA 86	59.	62.	56.	9/10	1.6	32.	1.0	60.1	55.9		
RESNIK	64.	72.	55.	9/10	1.9	31.	1.0	61.7	57.4		
SHERMAN	67.	68.	67.	9/15	2.6	33.	1.0	65.1	57.3		
SHISSLER SEED CO.											
GR8 368	66.	71.	62.	9/16	2.0	32.	1.0	63.3	58.9		
GR8 385	67.	72.	63.	9/18	2.7	42.	1.0	65.8	59.9		
SIEBEN HYBRIDS											
SS 343	66.	69.	62.	9/10	2.0	35.	1.0				
SS 349	71.	71.	72.	9/13	1.8	34.	1.0				
SPARTA SEED CO.											
300	68.	76.	60.	9/12	1.6	31.	1.0				
340	66.	72.	59.	9/10	2.1	33.	1.0				
345	67.	73.	61.	9/11	1.5	32.	1.0				
STEWART HYBRIDS											
315	62.	69.	56.	9/14	2.4	37.	1.0				
324	69.	79.	59.	9/16	1.4	29.	1.0				
STINE SEED CO.											
3075	68.	70.	65.	9/11	2.4	37.	1.0	66.3			
3260	73.	78.	67.	9/17	1.9	36.	1.0	70.5	63.1		

Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(MO)		(PE)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
STONE SEED FARMS											
SE-306	65.	75.	56.	9/20	1.5	33.	1.0	63.4			
TERRA INTERNATIONAL											
CYCLE	67.	68.	65.	9/13	2.1	37.	1.0	65.3	59.9		
FINALIST	64.	71.	58.	9/16	2.0	33.	1.0	62.2			
TR 350 EXP	74.	73.	75.	9/16	2.1	38.	1.0				
VICTORY	68.	72.	64.	9/17	2.2	40.	1.0	67.8			
TWIN STATES											
9330	68.	71.	65.	9/13	2.0	33.	1.0	63.3			
9380	68.	71.	65.	9/18	3.0	44.	1.0	67.6			
9390	65.	70.	60.	9/12	1.9	37.	1.0				
U.A.P. SEED CO.											
DYNA-GRO 3340	64.	70.	58.	9/13	1.9	38.	1.0				
UAPX 71	69.	75.	62.	9/19	1.2	28.	1.0				
UAPX 82	69.	70.	69.	9/18	2.3	41.	1.0				
UPHOFF SEEDS											
3100	64.	69.	59.	9/10	1.9	34.	1.0	63.6	57.9		
3400	65.	70.	59.	9/17	2.1	37.	1.0	63.6	57.9		
3600	69.	72.	66.	9/17	2.0	40.	1.0	67.4	60.3		
3650	65.	70.	61.	9/19	2.2	36.	1.0				
VORIS SEEDS											
V-309	69.	74.	63.	9/09	2.5	36.	1.0	66.1	60.1		
V-363	72.	75.	68.	9/10	1.5	34.	1.0	68.7			
WILKEN SEED GRAINS											
3475	69.	70.	67.	9/19	2.3	44.	1.0				
3477	65.	65.	65.	9/18	2.1	41.	1.0	65.8	59.9		
3484	68.	70.	67.	9/20	2.1	39.	1.0	66.5	60.2		
3621 CN	67.	67.	68.	9/11	1.8	38.	1.0	65.5			
3636	66.	72.	60.	9/18	2.1	37.	1.0				
WILSON HYBRIDS											
3165	66.	73.	60.	9/08	1.6	38.	1.0	64.8			
3300	63.	71.	56.	9/17	1.5	34.	1.0	63.2			
EXP 9903	73.	75.	70.	9/14	2.0	34.	1.0				
Average	66.8	72.5	61.5	..	2.0	36	1.0	65.3	59.2		
L.S.D. 10% Level	5.9	5.0	6.6	..	0.5	3	0.1	..	..
L.S.D. 30% Level	3.7	3.2	4.2	..	0.3	2	0.1	..	..
SE of Cultivar Mean	1.8	2.2	2.8	..	0.1	1	0.0	2.5	2.3		
MATURITY GROUP IV											
CIBA-GEIGY SEED											
3411	74.	90.	59.	9/19	2.0	35.	1.0				
NORTHRUP KING CO.											
S 42-30	65.	78.	52.	9/17	1.7	33.	1.0				
PIONEER HI-BRED INTERN.											
9443	66.	77.	55.	9/24	1.9	35.	1.0				
PUBLIC VARIETY											
FLYER	69.	84.	54.	9/15	1.5	34.	1.0	65.0	57.8		
HAMILTON	65.	73.	57.	9/22	2.5	30.	1.0	66.1	58.0		
UNION	64.	69.	59.	9/22	3.1	44.	1.0	61.3	53.3		
Average	67.3	80.2	54.3	..	2.1	35	1.0	64.1	56.4		
L.S.D. 10% Level	5.5	7.1	3.9	..	0.5	3	..	..	..
L.S.D. 30% Level	3.4	4.3	2.4	..	0.3	2	..	..	..
SE of Cultivar Mean	1.6	2.8	1.6	..	0.1	1	..	2.5	2.6		

Region IV: Urbana (UR) and Perry (PE) (30-inch row spacing)

Brand Cultivar or Blend	1991 Results							Average		
	Reg. (UR)		(PE)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/ABu/A	Bu/ABu/A		
MATURITY GROUP II										
AINSWORTH SEED CO.										
2A-77	39.	40.	37.	9/11	1.0	29.	1.1			
DISCOVERY	46.	44.	48.	9/09	1.2	30.	1.0			
CALLAHAN SEEDS										
1290	49.	47.	51.	9/04	1.1	30.	1.0			
2292 X	47.	43.	50.	9/05	1.2	32.	1.0			
9270	45.	40.	50.	9/04	1.0	26.	1.1	55.3		
CIBA-GEIGY SEED										
3258	47.	48.	46.	9/06	1.0	28.	1.0			
GOLDEN HARVEST										
EX 298	50.	47.	53.	9/07	1.2	29.	1.0			
H-1260	46.	49.	43.	9/03	1.2	27.	1.0	53.9	54.8	
H-1271	42.	44.	40.	9/08	1.0	29.	1.0			
GRIFFITH SEED CO.										
4826 X	45.	43.	46.	9/03	1.1	29.	1.2			
8216 X	44.	46.	41.	9/03	1.0	28.	1.0	48.6		
PL 2100	40.	43.	38.	9/09	1.0	29.	1.0	52.1		
PL 2202	41.	41.	41.	9/07	1.1	30.	1.0			
HOBLIT SEED CO.										
HB 281	48.	47.	49.	9/06	1.0	28.	1.0			
HB 284	41.	42.	41.	9/09	1.0	28.	1.0			
J M SCHULTZ SEED CO.										
JMS 2690	50.	51.	48.	9/08	1.0	29.	1.0	53.2		
JMS 2990	45.	47.	43.	9/07	1.2	29.	1.0	55.9		
LYNKS SEEDS										
5270	41.	45.	37.	9/11	1.0	29.	1.0			
NOBLEBEAR										
NB 2780	39.	39.	40.	9/10	1.0	30.	1.1	50.2		
NB 2890	45.	47.	44.	9/05	1.0	26.	1.0			
NORTHRUP KING CO.										
S 28-18	46.	44.	47.	9/05	1.1	30.	1.2			
S 29-39	48.	48.	49.	9/10	1.0	26.	1.0			
PAYCO SEEDS										
PS 8927	40.	42.	37.	9/10	1.0	27.	1.0			
PRAIRIE STREAM FARMS										
PSF 253	49.	49.	49.	9/08	1.2	29.	1.0			
PSF 279	42.	41.	43.	9/07	1.0	29.	1.0			
PUBLIC VARIETY										
ARCHER	27.	25.	29.	8/25	1.3	27.	2.8	40.8		
BSR 201	40.	40.	39.	9/06	1.3	29.	1.0	46.7	48.9	
BURLISON	45.	44.	47.	9/07	1.1	26.	1.0	53.7	53.7	
CENTURY 84	38.	36.	40.	9/03	1.1	27.	1.3	47.5	47.3	
CHAPMAN	47.	46.	49.	9/04	1.0	29.	1.0	54.2		
CONRAD	42.	38.	45.	9/02	1.1	31.	1.0	54.1	55.4	
ELGIN 87	47.	45.	49.	9/06	1.3	31.	1.0	53.0	53.0	
HACK	33.	29.	37.	9/02	1.0	24.	1.0	42.1	44.6	
IA 2007	47.	47.	46.	9/07	1.1	28.	1.0			
IA 2008	35.	27.	43.	8/31	1.3	28.	2.4			
JACK	47.	46.	48.	9/09	2.2	36.	1.0	59.3	58.1	
KENWOOD	48.	46.	50.	9/09	1.4	30.	1.0	53.5	52.8	
PRESTON	51.	48.	54.	9/05	1.4	33.	1.0	54.9	54.2	
SHISSLER SEED CO.										
GR8 282	42.	46.	39.	9/05	1.0	28.	1.0			
GR8 297	48.	48.	48.	9/05	1.2	34.	1.0	52.8	54.2	
SIEBEN HYBRIDS										
SS 242	44.	42.	45.	9/04	1.4	36.	1.0			
SS 275	38.	42.	35.	9/09	1.0	28.	1.0			
SS 285	51.	48.	54.	9/04	1.4	32.	1.0			

Brand Cultivar or Blend	1991 Results							Average		
	Reg. (UR)		(PE)		Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/ABu/A	Bu/ABu/A		
STONE SEED FARMS										
SE-208	48.	44.	51.	9/02	1.3	32.	1.0			
TERRA INTERNATIONAL										
TR 299 EXP	49.	47.	51.	9/09	1.1	29.	1.0			
WINNER	50.	47.	54.	9/05	1.1	29.	1.0	55.9		
VORIS SEEDS										
V-277	49.	48.	51.	9/03	1.1	32.	1.0	53.9	54.7	
V-289	52.	46.	58.	9/04	1.0	31.	1.0	57.2	56.8	
Average	43.9	43.6	45.2	..	1.1	29	1.1	52.2	53.0	
L.S.D. 10% Level	7.0	6.1	7.8	..	0.3	3	0.4	..	..
L.S.D. 30% Level	4.4	3.9	4.9	..	0.2	2	0.2	..	..
SE of Cultivar Mean	2.1	2.6	3.3	..	0.1	1	0.1	4.6	3.8	

MATURITY GROUP III

AGRIGENE SEED RESEARCH										
AG 439	62.	57.	67.	9/17	1.3	37.	1.0			
AINSWORTH SEED CO.										
3A-55	49.	40.	58.	9/13	1.2	28.	1.0			
TITAN	58.	52.	64.	9/14	1.2	36.	1.0			
ASGROW SEED CO.										
A 3242	54.	53.	54.	9/11	1.4	33.	1.0			
A 3322	60.	58.	63.	9/15	1.1	30.	1.0	62.5	60.8	
A 3427	58.	53.	63.	9/09	1.4	33.	1.0	61.4	61.6	
A 3733	61.	57.	65.	9/17	1.0	29.	1.0	63.6	61.5	
A 3935	61.	57.	66.	9/15	1.3	35.	1.0	64.1	62.5	
BROWN SEEDS										
ARISE 362	56.	50.	63.	9/11	1.0	33.	1.0			
ARISE 382 C	51.	38.	63.	9/11	1.5	36.	1.0			
BUTZOW SEED FARM										
3152	55.	47.	63.	9/17	1.3	36.	1.0			
3629	56.	54.	57.	9/12	1.9	35.	1.0			
CALLAHAN SEEDS										
1330	56.	51.	62.	9/10	1.0	32.	1.0	62.5	61.8	
1365 X	59.	53.	66.	9/13	1.3	33.	1.0	62.6		
1380 N	55.	51.	58.	9/11	1.7	34.	1.0			
1393 NX	56.	49.	63.	9/14	1.2	36.	1.0			
2366 X	59.	51.	66.	9/08	1.4	34.	1.0			
2383 X	57.	51.	63.	9/13	1.2	34.	1.0			
7390	61.	56.	66.	9/15	1.3	35.	1.0	63.1	60.6	
9350	57.	51.	62.	9/06	1.4	33.	1.0	61.6	60.7	
CARGILL										
325	51.	46.	57.	9/06	1.2	32.	1.0	58.9		
CIBA-GEIGY SEED										
3311	53.	52.	55.	9/09	1.1	29.	1.0			
3344	53.	47.	60.	9/10	1.2	35.	1.0	56.8		
3385	60.	55.	65.	9/18	1.1	36.	1.0	63.9		
3388	53.	48.	59.	9/14	1.3	34.	1.0	61.6		
DEKALB PLANT GENETICS										
CX 366	58.	55.	61.	9/12	1.4	37.	1.0	61.4	60.2	
GARST-DIAMOND										
CHAMPION	52.	46.	58.	9/11	1.2	28.	1.0	55.5	55.8	
CONQUEST	53.	51.	56.	9/14	1.3	35.	1.0			
D-300	53.	47.	58.	9/09	1.1	32.	1.0	59.1	58.1	
D-301	58.	52.	64.	9/16	1.6	40.	1.0	62.8	60.6	
D-305	61.	57.	65.	9/16	1.1	35.	1.0	64.1	61.0	
SC-304	51.	47.	56.	9/06	1.2	31.	1.0			
SC-357	61.	58.	63.	9/07	1.0	33.	1.0			

Region IV: Urbana (UR) and Perry (PE) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average		Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(UR)		(PE)		Mat.	Lod	Ht	Sha		Reg.	(UR)		(PE)		Mat.	Lod	Ht	Sha	2-Yr	3-Yr
	Yld	Yld	Yld	Yld	Yld							Yld	Yld	Yld	Yld						
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A		
GOLDEN HARVEST										PUBLIC VARIETY (continued)											
H-1355	63.	62.	65.	9/17	1.8	40.	1.0	65.9	63.1	EDISON	58.	50.	67.	9/07	1.2	33.	1.0	60.8			
H-1358	52.	46.	59.	9/10	1.3	36.	1.0	57.6		HARPER 87	55.	45.	65.	9/10	1.3	32.	1.0	56.8	56.4		
GREAT LAKES HYBRIDS										HOBBIT 87	48.	41.	55.	9/15	1.0	18.	1.0	51.6	53.3		
GL 3105	59.	54.	65.	9/07	1.2	30.	1.0			KUNITZ	54.	47.	61.	9/13	1.9	38.	1.0	55.0			
GL 3494	59.	60.	57.	9/09	1.0	32.	1.0			LINFORD	55.	53.	57.	9/14	2.2	41.	1.0	59.0	56.7		
GL 3698	63.	52.	74.	9/15	1.8	39.	1.0	65.1		PELLA 86	49.	42.	56.	9/09	1.1	29.	1.0	54.5	55.0		
GRIFFITH SEED CO.										RESNIK	53.	51.	55.	9/09	1.1	31.	1.0	55.9	57.4		
4541 X	53.	49.	58.	9/07	1.3	34.	1.0			SHERMAN	56.	45.	67.	9/10	1.6	31.	1.0	60.3	57.6		
PL 3140	54.	50.	59.	9/13	1.3	35.	1.0	58.5		WILLIAMS 82	55.	51.	60.	9/17	1.6	38.	1.0	57.1	54.0		
HOBLIT SEED CO.										SHISSLER SEED CO.											
HB 360	55.	54.	56.	9/08	1.3	34.	1.0			GR8 368	55.	48.	62.	9/11	1.1	30.	1.0	59.3	59.2		
HB 370	58.	50.	65.	9/16	1.5	40.	1.0			GR8 385	58.	54.	63.	9/18	1.7	39.	1.0	62.1	59.2		
J M SCHULTZ SEED CO.										SIEBEN HYBRIDS											
JMS 3290	59.	52.	66.	9/14	1.6	37.	1.0	62.9		SS 343	59.	56.	62.	9/12	1.1	33.	1.0				
JMS 3491	53.	48.	58.	9/10	1.1	30.	1.0			SS 349	58.	44.	72.	9/12	1.2	30.	1.0				
JMS 3609	51.	49.	54.	9/17	1.2	34.	1.0	58.1	57.7	STEWART HYBRIDS											
JMS 3788	55.	46.	65.	9/16	1.3	35.	1.0	62.9	59.2	315	52.	49.	56.	9/12	1.6	36.	1.0	54.1			
JMS 3791	63.	59.	66.	9/11	1.3	35.	1.0			324	51.	43.	59.	9/14	1.1	26.	1.0				
KITCHEN SEED CO.										STINE SEED CO.											
KSC 328 C	53.	49.	58.	9/11	1.0	27.	1.0			3075	60.	55.	65.	9/11	1.4	36.	1.0	64.2			
KSC 330 C	51.	51.	52.	9/13	1.2	36.	1.0	58.9		3260	62.	56.	67.	9/12	1.2	34.	1.0	65.0	63.8		
KSC 375	54.	47.	61.	9/08	1.2	32.	1.0	58.4	57.3	STONE SEED FARMS											
KSC 385	57.	50.	63.	9/13	1.7	39.	1.0	60.6	58.3	EX-3337	57.	51.	63.	9/16	1.2	37.	1.0				
LEWIS HYBRIDS										SE-204	55.	50.	59.	9/14	1.0	34.	1.0				
330	51.	49.	53.	9/14	1.0	26.	1.0			SE-306	54.	51.	56.	9/15	1.0	30.	1.0	57.2	55.1		
359	58.	50.	65.	9/13	1.3	35.	1.0			TERRA INTERNATIONAL											
367	56.	50.	63.	9/17	1.2	38.	1.0	62.5	60.2	CYCLE	61.	58.	65.	9/11	1.3	37.	1.0	61.5	59.5		
LYNKS SEEDS										FINALIST	54.	50.	58.	9/12	1.1	31.	1.0	59.3			
5303	50.	44.	56.	9/09	1.3	30.	1.0	58.2	57.3	TR 350 EXP	65.	54.	75.	9/13	1.3	36.	1.0				
5327	60.	55.	66.	9/06	1.0	31.	1.0			VICTORY	58.	53.	64.	9/15	1.4	38.	1.0	62.8			
5376	52.	46.	58.	9/15	1.3	35.	1.0			TWIN STATES											
MERSCHMAN SEEDS										9330	60.	54.	65.	9/09	1.2	32.	1.0	60.0			
EISENHOWER II	65.	57.	72.	9/16	1.5	37.	1.0	63.6	60.9	9380	59.	53.	65.	9/15	1.8	39.	1.0	63.3			
FILLMORE II	53.	45.	61.	9/09	1.1	32.	1.0	58.5	57.6	9390	57.	55.	60.	9/12	1.3	35.	1.0				
KENNEDY III	60.	53.	67.	9/16	1.2	34.	1.0	62.9	62.9	U.A.P. SEED CO.											
TRUMAN III	59.	52.	66.	9/12	1.2	33.	1.0	64.2	61.9	DYNA-GRO 3340	53.	48.	58.	9/13	1.4	37.	1.0				
WASHINGTON VI	60.	53.	66.	9/18	1.2	34.	1.0	63.0	60.2	UAPX 71	59.	56.	62.	9/16	1.0	26.	1.0				
NOBLEBEAR										UAPX 82	59.	49.	69.	9/14	1.4	39.	1.0				
NB 3350	55.	49.	60.	9/08	1.2	30.	1.2	59.1	58.6	UPHOFF SEEDS											
NB 3750	55.	48.	62.	9/12	1.3	40.	1.0	60.5	58.4	3100	54.	49.	59.	9/08	1.2	32.	1.0	59.6	59.0		
NB 3990	63.	57.	69.	9/16	1.3	34.	1.0			3400	57.	55.	59.	9/13	1.3	35.	1.0	61.1	57.6		
NORTHROP KING CO.										3600	59.	51.	66.	9/13	1.2	36.	1.0	60.7	59.0		
S 30-41	53.	49.	57.	9/07	1.1	31.	1.0			3650	55.	50.	61.	9/15	1.1	33.	1.0				
S 36-36	56.	53.	60.	9/15	1.3	34.	1.0	60.1	58.6	VORIS SEEDS											
X 9034	56.	50.	61.	9/09	1.1	31.	1.0			V-309	59.	54.	63.	9/10	1.4	34.	1.0	61.5	60.7		
PAYCO SEEDS										V-363	62.	56.	68.	9/09	1.0	32.	1.0	63.1			
PS 8933	58.	53.	64.	9/08	1.0	34.	1.0			WILKEN SEED GRAINS											
PS 9036	56.	51.	61.	9/10	1.0	31.	1.0			3475	59.	50.	67.	9/14	1.4	40.	1.0				
PIONEER HI-BRED INTERN.										3477	59.	53.	65.	9/17	1.4	37.	1.0	62.4	60.1		
9303	48.	40.	56.	9/06	1.1	25.	1.3	56.5	55.5	3484	55.	43.	67.	9/14	1.3	36.	1.0	60.8	58.6		
9392	58.	55.	60.	9/15	1.3	36.	1.0			3621 CN	60.	52.	68.	9/10	1.4	36.	1.0	60.6			
PRAIRIE STREAM FARMS										3636	55.	49.	60.	9/13	1.4	34.	1.0				
PSF 350 N	56.	48.	64.	9/16	1.3	35.	1.0			Average 56.2 50.6 61.5 .. 1.3 34 1.0 60.3 53.8											
PSF 368 A	57.	50.	65.	9/17	1.2	36.	1.0			L.S.D. 10% Level	7.4	8.1	6.6	..	0.3	3	0.1	..	..
PUBLIC VARIETY										L.S.D. 30% Level	4.6	5.1	4.2	..	0.2	2	0.1	..	..
CARTTER	46.	44.	48.	9/07	1.8	30.	1.3	53.2	52.9	SE of Cultivar Mean	2.2	3.5	2.8	..	0.1	1	0.0	3.1	2.6		
CHAMBERLAIN	53.	50.	56.	9/09	1.9	35.	1.0	55.6	55.1												

Region IV: Urbana (UR) and Perry (PE) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (UR)		(PE)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
MATURITY GROUP IV											
CIBA-GEIGY SEED											
3411	55.	52.	59.	9/15	1.1	33.	1.0				
NORTHRUP KING CO.											
S 42-30	54.	57.	52.	9/15	1.0	32.	1.0	58.1			
S 42-40	55.	49.	61.	9/18	1.2	33.	1.0	57.1	54.1		
X 9039	59.	62.	57.	9/17	1.4	36.	1.0				
PIONEER HI-BRED INTERN.											
9443	51.	47.	55.	9/19	1.2	31.	1.0				

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (UR)		(PE)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
PUBLIC VARIETY											
FLYER	53.	52.	54.	9/15	1.1	32.	1.0	56.0	54.3		
HAMILTON	54.	50.	57.	9/19	1.1	30.	1.0	60.6	57.7		
UNION	51.	44.	59.	9/16	1.7	42.	1.0	55.3	52.0		
Average	52.7	51.7	54.3	..	1.3	34	1.0	57.4	54.5		
L.S.D. 10% Level	7.7	10.4	3.9	..	0.5	3	..	..	..
L.S.D. 30% Level	4.8	6.5	2.4	..	0.3	2	..	..	..
SE of Cultivar Mean	2.3	4.3	1.6	..	0.1	1	..	2.1	2.4		

Region V: Brownstown (BR) and Belleville (BE) (30-inch row spacing)

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (BR)		(BE)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
MATURITY GROUP II											
PUBLIC VARIETY											
JACK	54.	38.	70.	8/23	2.3	36.	1.0				
MATURITY GROUP III											
ASGROW SEED CO.											
A 3733	60.	39.	80.	9/05	1.2	30.	1.0	47.2	45.6		
A 3935	56.	36.	76.	9/04	1.4	36.	1.0	43.3	40.6		
BAKER SEED CO.											
3900	56.	39.	73.	9/07	1.7	38.	1.0	42.8			
3905-SCN	53.	37.	69.	8/31	2.4	35.	1.2	41.3			
BELLEVILLE SEED HOUSE											
BSH 399 NR	53.	34.	71.	8/31	1.9	37.	1.2				
BERGMANN-TAYLOR SEEDS											
BT 379	58.	40.	76.	9/05	1.6	40.	1.0	45.3	43.2		
BT 392 C	53.	32.	75.	8/31	1.9	38.	1.3				
BT 399 C	58.	36.	80.	8/30	1.3	36.	1.0	44.3	40.5		
BROWN SEEDS											
ARISE 362	52.	35.	70.	8/28	1.0	32.	1.0				
ARISE 382 C	54.	33.	75.	8/31	1.8	37.	1.3				
CALLAHAN SEEDS											
1365 X	54.	35.	74.	8/31	1.2	35.	1.2	41.6			
1380 N	55.	37.	72.	8/31	1.8	33.	1.8	43.9			
1393 NX	56.	38.	75.	8/31	1.2	35.	1.5				
2366 X	58.	37.	79.	8/28	1.4	35.	1.0				
2383 X	58.	37.	79.	9/02	1.4	35.	1.2				
7390	59.	41.	77.	9/05	1.2	35.	1.0	44.4	40.9		
CARGILL											
368	56.	40.	71.	9/04	1.6	40.	1.0				
DEKALB PLANT GENETICS											
CX 340 C	55.	38.	71.	9/02	1.2	37.	1.0				
CX 366	56.	41.	71.	8/31	1.3	35.	1.0				
GARST-DIAMOND											
CONQUEST	57.	37.	78.	8/28	1.5	36.	1.3	44.5			
D-301	57.	37.	77.	8/31	1.8	42.	1.0	43.9	40.8		
D-305	59.	41.	76.	9/02	1.3	37.	1.0	45.0	42.8		
SC-357	53.	35.	71.	8/29	1.0	31.	1.0				
GOLDEN HARVEST											
H-1355	56.	39.	73.	8/29	1.6	41.	1.0				
H-1358	63.	43.	83.	8/28	1.3	37.	1.2				

Brand Cultivar or Blend	1991 Results							Average			
	Reg. (BR)		(BE)			Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld	Date	gng					in	ter	Yld	Yld
Bu/A	Bu/A	Bu/A						Bu/A	Bu/A		
GROWMARK											
HS 3411	58.	40.	76.	9/02	1.2	35.	1.2	45.3	42.4		
HS 3833	60.	42.	78.	9/02	1.2	34.	1.0	47.6	46.8		
HYPERFORMER SEED CO.											
HSC 360	63.	48.	77.	8/31	1.2	37.	1.0	48.0			
HSC 373	58.	36.	79.	8/31	1.3	37.	1.0				
J M SCHULTZ SEED CO.											
JMS 3609	60.	38.	81.	8/28	1.4	38.	1.0	46.4	40.5		
JMS 3788	60.	36.	83.	8/31	1.4	37.	1.0	45.7	41.7		
JMS 3791	60.	40.	81.	9/02	1.7	37.	1.0				
JACQUES SEED CO.											
J-380 C	59.	35.	83.	8/31	1.7	38.	1.0				
KAISER ESTECH											
KE 358	55.	37.	74.	8/26	1.8	38.	1.0	42.9			
KE 371	62.	44.	80.	9/05	1.0	32.	1.0				
KE 389	58.	36.	80.	8/28	1.2	35.	1.1				
KE 392	57.	36.	78.	9/04	1.4	37.	1.0				
LYNKs SEEDS											
5376	61.	38.	85.	8/28	1.3	38.	1.0	48.0	43.8		
MIDWEST OILSEEDS											
3090 E	57.	34.	79.	9/04	1.7	38.	1.0	46.5	45.5		
NOBLEBEAR											
NB 3750	58.	38.	78.	8/31	1.9	43.	1.0	43.8			
NB 3990	55.	36.	75.	9/04	1.5	32.	1.0				
PIONEER HI-BRED INTERN.											
9392	61.	44.	77.	9/02	1.0	36.	1.0				
PRINCETON FARMS											
PF 3691	56.	34.	78.	8/29	1.3	36.	1.2				
PF 3787	61.	46.	75.	8/30	1.2	36.	1.0	48.2	45.2		
PUBLIC VARIETY											
CARTTER	47.	31.	62.	8/22	1.8	31.	2.3	37.4	34.1		
CHAMBERLAIN	48.	32.	64.	8/31	2.2	37.	1.5	39.2	38.8		
EDISON	52.	32.	71.	8/28	1.1	33.	1.0	40.1			
FAYETTE	53.	30.	75.	9/02	2.3	41.	1.0	42.3	40.2		
HARPER 87	52.	34.	69.	9/02	1.1	33.	1.2	40.7	38.7		
HOBBIT 87	45.	30.	60.	8/23	1.0	16.	1.0	35.0	30.5		
KUNITZ	50.	33.	68.	8/29	2.0	38.	1.0	39.1			
LINFORD	54.	36.	73.	8/31	2.4	39.	1.0	43.6	42.7		
PELLA 86	49.	31.	67.	8/29	1.3	32.	1.5	38.4	35.0		
RESNIK	48.	34.	63.	8/26	1.2	31.	1.0	37.7	36.1		
SHERMAN	54.	36.	73.	8/26	1.3	34.	1.0	40.6	39.8		
WILLIAMS 82	54.	35.	74.	9/04	1.8	40.	1.0	42.0	41.1		

Region V: Brownstown (BR) and Belleville (BE) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average		Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(BR)		(BE)		Mat.	Lod	Ht	Sha		Reg.	(BR)		(BE)		Mat.	Lod	Ht	Sha	2-Yr	3-Yr
	Yld	Yld	Yld	Yld	Yld							Yld	Yld	Yld	Yld						
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A						
STONE SEED FARMS										GARST-DIAMOND											
SE-305	53.	37.	68.	9/02	1.6	36.	1.0			JACKSON II	62.	49.	74.	9/13	2.2	38.	1.0	49.5			
SE-310	57.	36.	78.	9/02	1.9	40.	1.0			SC-400	61.	45.	76.	9/07	1.4	32.	1.0				
TERRA INTERNATIONAL										GROWMARK											
FINALIST	53.	38.	69.	8/29	1.1	32.	1.0	40.0		HS 4103	54.	40.	68.	9/12	1.1	31.	1.0	43.8			
TR 371 EXP	55.	36.	75.	8/26	1.0	33.	1.0			HYPERFORMER SEED CO.											
TR 390 SCN EXP	59.	40.	78.	8/31	1.3	37.	1.0			HSC 401	64.	46.	81.	9/23	2.7	46.	1.0	50.7			
VICTORY	54.	40.	68.	8/29	1.3	40.	1.0	43.4		HSC 415	48.	35.	60.	9/05	1.4	34.	1.0				
TRISLER SEED FARMS										J M SCHULTZ SEED CO.											
TRISOY 3440	56.	36.	75.	8/23	1.2	34.	1.8			JMS 4109	53.	41.	64.	9/05	1.6	34.	1.0	42.6			
TRISOY 364	55.	38.	71.	8/31	2.0	42.	1.0	44.5	41.5	LEWIS HYBRIDS											
TRISOY 3716	58.	37.	79.	8/29	1.1	36.	1.0	44.1	40.4	409	58.	44.	72.	9/05	1.5	32.	1.0				
TRISOY 377	55.	34.	76.	9/02	1.1	30.	1.0	42.6	40.1	415	46.	38.	54.	9/05	1.5	36.	1.0				
TRISOY 381	50.	25.	75.	8/28	1.6	34.	1.2	39.5	37.9	LYNKS SEEDS											
TRISOY 3980	54.	36.	71.	8/24	1.0	32.	1.0	40.9		5415	59.	45.	73.	9/05	1.5	32.	1.0				
TWIN STATES										MERSCHMAN SEEDS											
9380	58.	36.	79.	8/30	1.6	40.	1.0	43.8		ATLANTA II	53.	38.	68.	9/10	2.1	34.	1.0	43.4	44.3		
9390	59.	36.	81.	8/28	1.4	36.	1.0			AUSTIN	58.	45.	71.	9/13	2.1	36.	1.0				
UPHOFF SEEDS										BOSTON III											
3600	56.	36.	75.	8/29	1.5	36.	1.0	43.8	42.1	DALLAS	66.	48.	84.	9/25	2.8	46.	1.0	52.5	52.3		
3650	56.	38.	75.	8/31	1.8	35.	1.0			DENVER III	62.	44.	79.	9/21	2.7	42.	1.0	49.8	50.7		
VORIS SEEDS										MEMPHIS II											
V-380	59.	40.	78.	8/28	1.3	37.	1.2	46.4		NORFOLK	54.	41.	68.	9/02	1.0	30.	1.0				
WILDY SEED										NOBLEBEAR											
WS 3508	62.	39.	85.	8/26	1.5	37.	1.2	47.5	43.9	NB 4215	49.	37.	60.	9/05	1.7	34.	1.0				
WS 3838	57.	39.	74.	9/05	2.2	42.	1.0	45.5	44.1	NORTHRUP KING CO.											
Average (Groups II-III)	55.9	36.9	74.9		1.5	36	1.1	43.2	40.9	S 42-40	50.	41.	59.	9/03	1.3	31.	1.0	40.5	39.9		
L.S.D. 10% Level	5.8	4.4	7.0		0.5	3	0.3			S 44-77	57.	52.	63.	9/07	2.5	41.	1.0	46.8	48.4		
L.S.D. 30% Level	3.7	2.7	4.4		0.3	2	0.2			S 48-84	58.	40.	76.	9/24	2.5	40.	1.0	44.2			
SE of Cultivar Mean	1.8	1.9	3.0		0.1	1	0.1	3.1	3.5	PIONEER HI-BRED INTERN.											
										9443	51.	38.	65.	9/05	1.3	30.	1.0				
										9461	53.	40.	65.	9/07	1.3	33.	1.0	41.3			
										PLANT BREEDING CONSULTANTS											
										EX 9140	55.	36.	73.	9/14	1.9	36.	1.0				
										PRINCETON FARMS											
										PF 4588	53.	40.	66.	9/10	1.5	34.	1.0	42.6	43.7		
										PUBLIC VARIETY											
										DELLOY 4210	56.	33.	79.	9/12	2.1	40.	1.0	43.1			
										DELLOY 4710	64.	46.	81.	9/24	2.5	43.	1.0				
										FLYER	47.	40.	54.	8/31	1.2	30.	1.0	38.5	39.9		
										HAMILTON	51.	48.	55.	9/04	1.3	28.	1.3	41.1	40.5		
										PHARAOH	63.	45.	82.	9/26	1.0	28.	1.0	51.1	51.6		
										PYRAMID	57.	41.	73.	9/19	2.3	43.	1.0	45.7	45.4		
										SPRY	66.	49.	84.	9/20	1.1	28.	1.0	53.7			
										UNION	52.	38.	66.	9/05	2.3	41.	1.0	41.2	42.1		
										RIDGWAY SEED CO.											
										JADER 420	59.	43.	74.	9/07	1.4	32.	1.0				
										TRISLER SEED FARMS											
										TRISOY 4120	56.	45.	67.	9/05	1.3	30.	1.0				
										TRISOY 4310	48.	34.	63.	8/28	1.6	36.	1.0				
										TRISOY 477	47.	36.	59.	8/31	1.5	35.	1.0	37.9	39.7		
										UPHOFF SEEDS											
										1017	53.	38.	68.	9/07	1.6	38.	1.0				
										Average	56.2	42.4	70.0		1.7	35	1.0	45.7	45.5		
										L.S.D. 10% Level	8.1	5.0	10.4		0.4	4	0.1				
										L.S.D. 30% Level	5.1	3.1	6.5		0.3	2	0.1				
										SE of Cultivar Mean	2.5	2.1	4.4		0.1	1	0.0	4.7	4.1		

Region VI: Carbondale (CA) and Dixon Springs (DS) (30-inch row spacing)

Brand Cultivar or Blend	1991 Results							Average	
	Reg.	(CA)	(DS)	Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	
MATURITY GROUP III									
CIBA-GEIGY SEED									
3385	60.	49.	71.	9/21	1.1	34.	1.0	50.8	
3388	60.	55.	66.	9/09	1.2	36.	1.0	50.3	51.3
PIONEER HI-BRED INTERN.									
9392	66.	52.	80.	9/15	1.0	36.	1.0		
PUBLIC VARIETY									
CARTTER	50.	44.	57.	9/12	1.4	30.	1.3	42.6	43.9
CHAMBERLAIN	51.	41.	61.	9/11	1.6	35.	1.3	44.7	47.8
EDISON	52.	43.	61.	9/16	1.0	30.	1.0	46.8	
FAYETTE	58.	50.	65.	9/13	1.6	41.	1.2	48.4	50.6
HARPER 87	58.	45.	71.	9/09	1.2	33.	1.0	48.3	50.2
HOBBIT 87	44.	39.	49.	9/17	1.0	16.	1.0	39.0	41.7
KUNITZ	52.	45.	60.	9/09	1.2	35.	1.0	43.8	
LINFORD	60.	50.	70.	9/14	1.9	39.	1.0	50.5	52.5
PELLA 86	55.	45.	66.	9/08	1.0	30.	1.2	47.8	48.3
RESNIK	54.	48.	60.	9/15	1.0	30.	1.0	46.2	46.8
SHERMAN	56.	49.	63.	9/08	1.7	33.	1.0	46.1	49.0
WILLIAMS 82	54.	50.	59.	9/18	1.3	39.	1.0	45.9	49.4
SOUTHERN CROSS SEEDS									
ISAAC	63.	53.	72.	9/23	1.1	34.	1.0	51.8	53.4
SOUTHERN STATES COOP									
FFR-398	66.	53.	79.	9/22	1.3	36.	1.0		
SS-391	57.	46.	68.	9/11	1.3	34.	1.0		
STINE SEED CO.									
3280	58.	54.	61.	9/21	1.1	36.	1.0		
TERRA INTERNATIONAL									
TR 371 EXP	58.	47.	69.	9/13	1.0	30.	1.0		
TR 390 SCN EXP	56.	48.	64.	9/14	1.1	36.	1.0		
VICTORY	57.	48.	66.	9/09	1.2	40.	1.0	49.2	
TWIN STATES									
9390	54.	47.	62.	9/12	1.2	36.	1.2	49.0	
WILDY SEED									
WS 3508	59.	54.	64.	9/14	1.2	35.	1.0		
WS 3838	58.	53.	63.	9/18	2.4	37.	1.0		
Average	56.9	48.4	65.3		1.3	34	1.0	47.1	48.8
L.S.D. 10% Level	5.4	5.7	5.2		0.4	3	0.2		
L.S.D. 30% Level	3.4	3.6	3.2		0.2	2	0.1		
SE of Cultivar Mean	1.6	2.4	2.2		0.1	1	0.1	3.3	3.4

MATURITY GROUP IV

ASGROW SEED CO.									
A 4393	52.	42.	63.	9/25	1.4	37.	1.3	49.0	46.4
A 4595	54.	41.	66.	9/21	1.7	37.	1.2	51.8	49.6
A 4715	64.	57.	71.	9/28	1.3	37.	1.0	54.0	
BERGMANN-TAYLOR SEEDS									
BT 471	59.	52.	65.	9/23	2.3	37.	1.1	49.4	
BT 500 C	55.	45.	64.	9/25	1.0	27.	1.3	47.5	48.7
BIO-DELT									
2146	58.	46.	70.	9/25	2.2	37.	1.3		
CALLAHAN SEEDS									
1410	58.	45.	71.	9/28	1.2	31.	1.5	49.8	47.5
1414 NX	52.	41.	63.	9/25	1.5	31.	2.0		
1466 N	55.	42.	68.	9/28	2.0	39.	2.0		
1490 X	59.	47.	70.	9/30	2.2	41.	2.2	53.5	
8464	57.	47.	67.	10/03	1.8	36.	1.9	49.3	48.7

Brand Cultivar or Blend	1991 Results							Average	
	Reg.	(CA)	(DS)	Mat.	Lod	Ht	Sha	2-Yr 3-Yr	
	Yld	Yld	Yld					Yld	Yld
Bu/A	Bu/A	Bu/A	Date	gng	in	ter	Bu/A	Bu/A	
CARGILL									
445	53.	47.	59.	9/24	1.6	35.	1.2		
CAVERNDALE FARMS									
CF 490	54.	43.	66.	9/29	2.9	44.	1.3		
CIBA-GEIGY SEED									
3411	50.	39.	62.	9/24	1.4	30.	1.7		
DEKALB PLANT GENETICS									
CX 415	53.	42.	63.	9/20	1.6	37.	1.2	48.0	47.0
CX 458	59.	45.	72.	9/25	1.4	31.	1.2	51.2	50.5
CX 469 C	58.	47.	69.	9/23	1.9	40.	1.3		
EAGLE SEED CO.									
LB 90-1	57.	47.	67.	10/08	3.0	43.	1.0		
LB 90-31	59.	50.	68.	10/08	3.1	48.	1.0		
LB 90-39	58.	47.	68.	10/08	2.5	52.	1.0		
LB 90-40	51.	43.	60.	10/07	3.4	50.	1.0		
LB 90-41	56.	47.	65.	10/08	2.9	49.	1.0		
LB 90-42	59.	52.	66.	10/08	3.0	47.	1.0		
LB 90-43	51.	43.	60.	10/07	2.9	49.	1.0		
LB 90-44	53.	44.	62.	10/08	2.9	45.	1.0		
LB 90-45	60.	52.	68.	10/08	2.5	44.	1.0		
LB 90-46	51.	41.	61.	10/03	3.3	40.	1.0		
LB 90-48	63.	54.	72.	10/07	2.7	43.	1.0		
LB 90-65	57.	48.	66.	10/07	3.2	47.	1.0		
LB 90-66	56.	50.	62.	10/08	2.8	47.	1.0		
LB 90-66-1	58.	46.	70.	10/08	2.8	45.	1.0		
LB 90-67	60.	54.	65.	10/08	2.8	49.	1.0		
LB 90-68	56.	50.	63.	10/07	2.9	49.	1.0		
LB 90-9	57.	49.	66.	10/08	2.7	42.	1.0		
MB 90-6	54.	48.	61.	10/08	3.2	46.	1.0		
RIVERSIDE 499	57.	48.	66.	10/07	2.7	46.	1.0		
SB 90-123	65.	53.	77.	10/08	3.5	49.	1.0		
SB 90-225	60.	50.	70.	10/08	2.9	45.	1.0		
HYPERFORMER SEED CO.									
HSC 401	58.	48.	69.	9/28	3.3	45.	1.1	51.1	48.7
HSC 415	40.	31.	48.	9/25	1.3	34.	2.8		
J M SCHULTZ SEED CO.									
JMS 4109	48.	44.	52.	9/21	1.5	38.	2.3	44.7	
JMS 4140	60.	51.	69.	9/25	1.3	34.	1.7		
JMS 4409	50.	39.	60.	9/16	2.3	35.	1.3		
JMS 4688	58.	50.	67.	9/27	1.8	37.	1.7	50.0	48.4
JMS 4982	57.	42.	72.	9/30	3.0	48.	1.2		
JACOB HARTZ SEED CO.									
H 4464	58.	51.	64.	9/30	2.8	45.	1.0	49.7	49.3
HX 46096	55.	47.	63.	9/29	2.3	31.	1.0		
JACQUES SEED CO.									
EXP 9543 C	50.	42.	57.	9/23	2.0	36.	1.8	47.2	
J-467	54.	40.	68.	9/23	2.7	36.	1.5		
NORTHROP KING CO.									
S 48-84	54.	53.	56.	9/29	2.7	40.	1.2	50.3	
PIONEER HI-BRED INTERN.									
9443	46.	36.	57.	9/23	1.4	32.	2.2		
9461	57.	47.	68.	9/21	1.7	32.	1.5	52.2	50.9
PRINCETON FARMS									
PF 4191	55.	41.	70.	9/23	1.2	30.	1.5		
PF 4391	52.	46.	59.	9/26	1.4	32.	1.2		
PF 4490	57.	46.	67.	9/16	2.2	37.	1.5	49.2	
PF 4588	50.	39.	61.	9/22	1.9	35.	1.5	45.4	45.9

Region VI: Carbondale (CA) and Dixon Springs (DS) (30-inch row spacing), continued

Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(CA)		(DS)		Mat. gng	Lod in ter	Ht	Sha	2-Yr 3-Yr	
	Yld Bu/A	Yld Bu/A	Yld Bu/A	Date	Yld Bu/A					Yld Bu/A	
PUBLIC VARIETY											
DELLOY 4210	46.	42.	50.	9/20	1.8	39.	1.7	45.7			
DELLOY 4710	51.	49.	54.	9/30	2.9	42.	1.5				
FLYER	49.	43.	55.	9/16	1.1	30.	1.3	43.8	43.1		
HAMILTON	42.	28.	56.	9/28	1.4	28.	1.3	40.9	41.2		
PHARAOH	59.	46.	73.	9/30	1.1	27.	1.0	51.9	51.3		
PYRAMID	46.	42.	50.	9/25	2.0	42.	1.7	42.7	43.7		
SPRY	65.	56.	74.	9/24	1.2	30.	1.0	56.2			
UNION	43.	38.	49.	9/23	2.0	41.	2.2	42.7	42.6		
RIDGWAY SEED CO.											
JADER 420	58.	47.	70.	9/20	1.3	33.	1.8				
JADER 4881	57.	48.	66.	9/26	1.0	31.	1.1				
SOUTHERN CROSS SEEDS											
JACOB	61.	50.	72.	9/25	2.0	38.	1.8	51.5	49.2		
X 001	53.	43.	63.	9/20	1.3	31.	1.2	43.0			
SOUTHERN STATES COOP											
FFR-464	57.	49.	65.	9/27	2.3	40.	1.7	51.4			
SS-487	51.	37.	66.	9/27	1.4	34.	1.0	49.9			
STINE SEED CO.											
4880	59.	48.	70.	9/30	1.6	33.	1.5	51.7			
TRISLER SEED FARMS											
TRISOY 4120	53.	40.	66.	9/19	1.5	32.	1.5	47.4			
TRISOY 4310	46.	37.	55.	9/20	1.4	37.	1.3				
TRISOY 477	45.	37.	53.	9/17	1.6	36.	1.5	42.3	43.0		
UPHOFF SEEDS											
1017	53.	43.	64.	9/21	2.0	39.	1.7				
Average	54.4	45.1	63.8		2.1	38	1.4	48.6	47.1		
L.S.D. 10% Level	7.9	8.0	7.8		0.5	5	0.4				
L.S.D. 30% Level	5.0	5.0	4.9		0.3	3	0.3				
SE of Cultivar Mean	2.4	3.4	3.3		0.2	1	0.1	3.8	3.1		

Brand Cultivar or Blend	1991 Results							Average			
	Reg.	(CA)		(DS)		Mat. gng	Lod in ter	Ht	Sha	2-Yr 3-Yr	
	Yld Bu/A	Yld Bu/A	Yld Bu/A	Date	Yld Bu/A					Yld Bu/A	
MATURITY GROUP V											
BIO-DELT											
2157	67.	66.	67.	10/08	3.1	41.	1.0				
CALLAHAN SEEDS											
2502 NX	65.	58.	72.	10/07	1.2	33.	1.0				
7510 N	68.	61.	75.	10/07	1.4	30.	1.0	59.2	56.4		
GROWMARK											
HS E 520	69.	64.	74.	10/08	1.9	33.	1.0				
HYPERFORMER SEED CO.											
HB 90-501	68.	65.	71.	10/08	1.2	31.	1.0	55.3			
HB 91-561	68.	66.	70.	10/08	2.3	35.	1.0				
HB 91-563	61.	61.	61.	10/08	2.7	46.	1.0				
NORTHRUP KING CO.											
COKER 425	73.	69.	77.	10/08	1.0	29.	1.0	57.0	54.2		
COKER 6955	66.	59.	73.	10/08	2.7	37.	1.0	53.6			
PIONEER HI-BRED INTERN.											
9521	71.	70.	72.	10/05	1.2	33.	1.0				
9551	67.	66.	69.	10/08	1.2	35.	1.0				
RIDGWAY SEED CO.											
JADER 586	64.	62.	66.	10/08	3.2	37.	1.0	52.8	52.4		
JADER EXP 5001	64.	59.	69.	10/05	1.7	32.	1.0				
SOUTHERN STATES COOP											
FFR-561	70.	62.	79.	10/08	1.6	36.	1.0	55.3			
SS-516	68.	64.	72.	10/08	1.3	34.	1.0	54.7			
Average	67.3	63.4	71.2		1.9	35	1.0	55.4	54.3		
L.S.D. 10% Level	7.1	8.3	5.8		0.7	4					
L.S.D. 30% Level	4.4	5.2	3.6		0.4	3					
SE of Cultivar Mean	2.1	3.5	2.4		0.2	1		2.1	2.0		

Brownstown (7-inch row spacing)

Brand Cultivar or Blend	1991 Results						Average	
	Yld	Mat.	Lodg-	Hgt.	Shat-	Yld.	Yld.	
	Bu/A	Date	ing	(in)	ter			
MATURITY GROUP III								
BELLEVILLE SEED HOUSE								
BSH 399 NR	34.	8/23	1.0	36.	1.0			
JACQUES SEED CO.								
J-399	42.	8/30	1.0	39.	1.0			
PIONEER HI-BRED INTERN.								
9392	44.	8/30	1.0	35.	1.0			
PUBLIC VARIETY								
CARTTER	36.	8/16	1.0	31.	1.0	21.3	25.8	
CHAMBERLAIN	29.	8/26	2.5	38.	1.0	19.5	27.8	
EDISON	31.	8/23	1.0	31.	1.0	22.0		
FAYETTE	32.	8/23	1.2	38.	1.0	23.7	32.1	
HARPER 87	34.	8/23	1.1	37.	1.0	22.0	29.5	
HOBBIT 87	35.	8/21	1.0	16.	1.0	21.9	27.6	
KUNITZ	32.	8/26	1.2	35.	1.0			
LINFORD	34.	9/02	1.0	37.	1.0	24.6	34.3	

Brand Cultivar or Blend	1991 Results						Average	
	Yld	Mat.	Lodg-	Hgt.	Shat-	Yld.	Yld.	
	Bu/A	Date	ing	(in)	ter			
PUBLIC VARIETY (continued)								
PELLA 86	31.	8/16	1.0	33.	1.0	21.7	28.9	
RESNIK	34.	8/19	1.0	30.	1.0	25.6	31.8	
SHERMAN	33.	8/23	1.1	35.	1.0	20.7	28.4	
WILLIAMS 82	30.	9/02	1.0	39.	1.0	20.0	29.1	
TERRA INTERNATIONAL								
FINALIST	40.	8/23	1.0	32.	1.0	28.0		
TR 350 EXP	39.	8/26	1.0	36.	1.0			
VICTORY	38.	8/23	1.0	38.	1.0	28.3		
UPHOFF SEEDS								
3600	34.	8/23	1.0	34.	1.0	25.0		
3650	41.	8/30	1.2	34.	1.0			
Average	35.1		1.1	34	1.0	23.2	29.5	
L.S.D. 10% Level	5.1		0.4	3				
L.S.D. 30% Level	3.2		0.3	2				
SE of Cultivar Mean	2.1		0.2	1		2.8	2.5	

Brownstown (7-inch row spacing), continued

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
MATURITY GROUP IV							
PIONEER HI-BRED INTERN.							
9443	27.	8/26	1.5	32.	1.0		
9461	26.	8/30	1.2	30.	1.0	17.3	31.1
PUBLIC VARIETY							
DELLOY 4210	24.	8/30	1.8	37.	1.0	19.7	
DELLOY 4710	33.	9/09	1.5	43.	1.0		
FLYER	31.	8/26	1.0	30.	1.0	20.9	30.3
HAMILTON	37.	8/16	2.2	32.	1.7	26.9	35.3

Dwight (7-inch row spacing)

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
MATURITY GROUP I							
DERAEDT SEEDS							
1860	10.	8/17	1.0	20.	4.5	35.6	
1899	16.	8/21	1.0	24.	2.8		
NORTHROP KING CO.							
S 19-90	22.	8/21	1.0	23.	1.5		
PUBLIC VARIETY							
BELL	25.	8/23	1.2	24.	1.9	41.4	46.7
BSR 101	19.	8/20	1.2	24.	2.7	40.0	47.8
MATURITY GROUP II							
DAIRYLAND SEED CO.							
DSR-262	30.	9/01	1.0	29.	1.0	46.0	54.9
DSR-288	27.	9/02	1.0	25.	1.0		
DERAEDT SEEDS							
2020	28.	8/29	1.2	29.	1.1		
2101	25.	8/26	1.0	24.	1.5		
2155	23.	9/01	1.0	23.	1.9	44.6	
GOLDEN HARVEST							
EX 298	28.	9/02	1.0	26.	1.0		
H-1260	27.	8/29	1.0	23.	1.5		
H-1271	27.	8/25	1.0	25.	1.1		
H-1278	30.	8/30	1.0	25.	1.0		
HENKEL SEEDS							
SUPER SOY 517	11.	8/26	1.3	24.	4.4		
SUPER SOY 520	27.	8/27	1.0	24.	1.2	48.3	
SUPER SOY 522	29.	9/01	1.0	28.	1.1	45.7	
SUPER SOY 524	32.	8/30	1.2	30.	1.2	49.3	
SUPER SOY 526	22.	9/01	1.0	26.	1.0		
SUPER SOY CN1	32.	9/05	1.0	29.	1.1		
MUIRHEAD FARMS							
272	26.	8/29	1.0	19.	1.1		
MF 265	27.	9/01	1.0	23.	1.3	45.3	
NOBLEBEAR							
NB 2780	27.	8/29	1.2	25.	1.2		
NB 2890	23.	9/03	1.0	23.	1.0	44.8	

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
PUBLIC VARIETY (continued)							
PHARAOH	36.	9/18	1.0	29.	1.0	29.4	41.6
SPRY	36.	9/09	1.2	27.	1.0	30.6	
UNION	26.	8/30	1.8	40.	1.0	20.2	31.8
Average	31.6	..	1.5	33	1.1	23.6	34.0
L.S.D. 10% Level	5.3	..	0.4	3	0.4	..	..
L.S.D. 30% Level	3.3	..	0.3	2	0.2	..	..
SE of Cultivar Mean	2.2	..	0.2	1	0.1	5.3	4.6

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
NORTHROP KING CO.							
S 23-12	25.	8/27	1.0	27.	1.6	44.6	
PIONEER HI-BRED INTERN.							
9231	19.	8/26	1.2	22.	2.3		
9272	30.	9/01	1.2	25.	1.1	45.8	52.0
9273	34.	9/01	1.0	25.	1.0	50.6	
PROFISEED							
2830	28.	9/04	1.0	25.	1.4		
X 263	23.	8/25	1.0	23.	1.3		
PUBLIC VARIETY							
ARCHER	17.	8/21	1.5	26.	3.9	38.6	
BSR 201	21.	9/01	1.2	25.	1.3	40.0	45.9
BURLISON	30.	9/01	1.0	25.	1.0	46.5	52.6
CENTURY 84	18.	8/29	1.0	25.	2.6	39.5	46.1
CHAPMAN	23.	9/01	1.0	24.	1.0	40.8	
CONRAD	19.	8/25	1.0	27.	3.0	39.8	48.6
ELGIN 87	24.	8/30	1.0	26.	1.3	40.9	45.5
HACK	22.	8/30	1.0	23.	1.4	41.3	47.7
IA 2007	28.	8/30	1.0	27.	1.0		
IA 2008	17.	8/26	1.5	27.	3.7		
JACK	27.	9/01	1.2	32.	1.1	43.6	51.5
KENWOOD	22.	9/02	1.2	28.	2.0	38.3	45.5
PRESTON	28.	9/01	1.2	28.	1.2	41.4	48.5
SIEBEN HYBRIDS							
SS 225	31.	8/30	1.2	24.	1.1	44.6	
SS 242	26.	8/30	1.3	31.	1.0	42.9	
SS 256	32.	9/02	1.2	29.	1.1		
SS 275	27.	8/28	1.3	28.	1.3	46.5	
SS 285	31.	9/02	1.0	27.	1.0	46.6	
STEWART HYBRIDS							
201	24.	8/30	1.3	27.	1.1		
215	20.	9/04	1.0	23.	1.0		
STINE SEED CO.							
2170	23.	8/26	1.0	24.	1.0	47.1	55.4
TERRA INTERNATIONAL							
TR 299 EXP	33.	9/01	1.3	27.	1.1		
WINNER	29.	8/29	1.2	23.	1.0	45.4	

Dwight (7-inch row spacing), continued

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
TRI-COUNTY STOCKDALE							
GA 2290	24.	8/25	1.2	25.	1.8	43.5	
PINTO II	30.	8/29	1.0	25.	1.5		
U.A.P. SEED CO.							
DYNA-GRO 3230	26.	8/28	1.0	28.	1.6		
DYNA-GRO 3270	28.	8/30	1.0	25.	1.0		
UAPX 80	25.	8/29	1.0	25.	1.7		
UAPX 81	9.	8/21	1.0	25.	4.6		
UAPX 83	26.	8/23	1.0	28.	1.3		
WILKEN SEED GRAINS							
2405	13.	8/17	1.0	23.	4.1		
2560	30.	8/30	1.0	23.	1.0	46.8	54.3
2566	30.	9/02	1.0	24.	1.5	49.4	
2570	26.	8/26	1.0	26.	1.1	44.0	
Average (Groups I-II)	24.9	..	1.1	25	1.6	43.8	49.5
L.S.D. 10% Level	5.7	..	0.2	3	0.6	..	..
L.S.D. 30% Level	3.6	..	0.1	2	0.4	..	..
SE of Cultivar Mean	2.4	..	0.1	1	0.2	3.5	3.6

MATURITY GROUP III

DAIRYLAND SEED CO.							
DSR-305	28.	9/13	1.0	26.	1.4		
KALTENBERG SEED FARMS							
KB 308	28.	9/12	1.0	26.	1.2	46.5	
MC ALLISTER SEED CO.							
SQUIRE	29.	9/04	1.0	27.	1.2		

Urbana (7-inch row spacing)

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
MATURITY GROUP II							
CIBA-GEIGY SEED							
3258	55.	9/09	1.0	27.	1.0		
DAIRYLAND SEED CO.							
DSR-262	56.	9/09	1.0	32.	1.1	60.0	
DSR-288	56.	9/14	1.0	30.	1.1		
NOBLEBEAR							
NB 2780	50.	9/14	1.0	25.	1.1		
NB 2890	49.	9/12	1.0	26.	1.0	58.8	
NORTHRUP KING CO.							
S 28-18	45.	9/10	1.0	27.	1.0		
PIONEER HI-BRED INTERN.							
9272	54.	9/11	1.0	26.	1.0	56.3	52.8
9273	58.	9/11	1.0	25.	1.0	63.3	
PUBLIC VARIETY							
ARCHER	25.	8/30	1.0	25.	3.7	41.0	
BSR 201	49.	9/15	1.0	30.	1.0	51.0	51.0
BURLISON	53.	9/10	1.0	26.	1.0	59.7	57.0
CENTURY 84	40.	9/08	1.0	24.	2.0	51.0	50.3
CHAPMAN	53.	9/15	1.0	27.	1.0	59.2	

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
PIONEER HI-BRED INTERN.							
9302	33.	9/12	1.0	30.	1.0	48.5	53.6
9303	28.	9/11	1.0	27.	1.3	42.9	50.1
9311	30.	9/12	1.0	29.	1.0		
9341	30.	9/13	1.0	27.	1.0	46.2	
PUBLIC VARIETY							
CARTTER	31.	9/11	1.0	31.	1.0	45.4	51.4
CHAMBERLAIN	32.	9/10	1.0	33.	1.0	45.4	49.4
EDISON	28.	9/13	1.0	26.	1.0		
HARPER 87	30.	9/17	1.0	27.	1.0	43.9	48.3
HOBBIT 87	37.	9/14	1.0	19.	1.0	47.4	54.2
PELLA 86	29.	9/13	1.0	27.	1.0	43.4	47.1
RESNIK	28.	9/13	1.0	29.	1.1	46.7	54.6
SHERMAN	30.	9/12	1.2	28.	1.0	43.7	48.4
STEWART HYBRIDS							
301	25.	9/05	1.0	24.	1.4		
392	29.	9/15	1.0	33.	1.0		
TERRA INTERNATIONAL							
FINALIST	33.	9/14	1.0	29.	1.0	46.0	
TR 350 EXP	32.	9/12	1.0	32.	1.0		
UPHOFF SEEDS							
3100	30.	9/10	1.0	28.	1.8	44.7	52.6
Average	30.0	..	1.0	28	1.1	45.4	51.0
L.S.D. 10% Level	5.4	..	0.1	3	0.3	..	..
L.S.D. 30% Level	3.4	..	0.1	2	0.2	..	..
SE of Cultivar Mean	2.2	..	0.0	1	0.1	1.7	2.7

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
PUBLIC VARIETY (continued)							
CONRAD	52.	9/08	1.0	28.	1.0	58.0	54.9
ELGIN 87	49.	9/09	1.0	28.	1.0	54.6	52.5
HACK	40.	9/07	1.0	23.	1.0	50.1	47.5
IA 2007	53.	9/13	1.0	28.	1.0		
IA 2008	35.	9/05	1.0	25.	2.5		
JACK	52.	9/16	1.0	32.	1.0	58.6	59.7
KENWOOD	50.	9/11	1.0	30.	1.1	55.6	54.4
PRESTON	52.	9/10	1.0	32.	1.0	57.2	55.9
SIEBEN HYBRIDS							
SS 242	49.	9/12	1.0	33.	1.0	55.3	
SS 275	52.	9/14	1.0	27.	1.0	61.4	
SS 285	53.	9/12	1.0	32.	1.0	56.0	
STONE SEED FARMS							
SE-208	56.	9/11	1.0	29.	1.1	58.6	
TERRA INTERNATIONAL							
TR 244 EXP	58.	9/10	1.0	27.	1.0		
TR 299 EXP	58.	9/14	1.0	28.	1.1		
WINNER	49.	9/10	1.0	23.	1.0	56.6	
TRISLER SEED FARMS							
TRISOY 2940	45.	9/16	1.0	23.	1.0	55.4	

Urbana (7-inch row spacing), continued

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
MATURITY GROUP II, continued							
TWIN STATES							
9275	51.	9/16	1.0	27.	1.1		
U.A.P. SEED CO.							
DYNA-GRO 3270	48.	9/10	1.0	24.	1.0		
WILKEN SEED GRAINS							
2560	58.	9/11	1.0	25.	1.0		
2566	53.	9/10	1.0	24.	1.0		
2570	45.	9/08	1.0	25.	1.0		
Average	47.8	..	1.0	27	1.3	56.1	53.6
L.S.D. 10% Level	5.5	..	..	2	0.8	..	..
L.S.D. 30% Level	3.4	..	..	1	0.5	..	..
SE of Cultivar Mean	2.3	..	..	1	0.4	4.8	3.5
MATURITY GROUP III							
BROWN SEEDS							
ARISE 341	51.	9/15	1.0	28.	1.0	57.1	
CIBA-GEIGY SEED							
3311	55.	9/11	1.0	29.	1.0		
3344	52.	9/16	1.0	32.	1.0		
3385	54.	9/23	1.0	36.	1.0		
3388	50.	9/18	1.0	34.	1.0		
DAIRYLAND SEED CO.							
DSR-305	51.	9/14	1.0	29.	1.0		
DSR-317	48.	9/15	1.0	34.	1.0	57.0	59.7
DSR-333	54.	9/16	1.0	36.	1.0	57.9	61.1
DSR-373	52.	9/10	1.0	33.	1.0	59.0	59.9
JACQUES SEED CO.							
J-357	55.	9/18	1.0	31.	1.0		
LEWIS HYBRIDS							
367	55.	9/26	1.0	37.	1.0	62.5	63.9
NOLEBEAR							
NB 3350	48.	9/11	1.0	29.	1.7	56.5	59.1
NB 3990	54.	9/25	1.0	31.	1.0		
PIONEER HI-BRED INTERN.							
9303	51.	9/15	1.0	25.	1.3	61.2	60.7
9311	50.	9/09	1.0	30.	1.0		
9341	54.	9/18	1.0	31.	1.0	60.3	61.2
9381	53.	9/12	1.0	29.	1.0	57.8	
9391	59.	9/23	1.0	35.	1.0	62.4	61.2
9392	51.	9/17	1.0	32.	1.0		
PUBLIC VARIETY							
CARTTER	49.	9/11	1.0	30.	1.0	56.6	55.2
CHAMBERLAIN	53.	9/17	1.2	33.	1.0	57.9	59.9

Brand Cultivar or Blend	1991 Results					Average 90-91 89-91	
	Yld Bu/A	Mat. Date	Lodg- ing	Hgt. (in)	Shat- ter	Yld. Bu/A	Yld. Bu/A
PUBLIC VARIETY (continued)							
EDISON	52.	9/19	1.0	33.	1.0	61.1	
HARPER 87	49.	9/25	1.0	31.	1.0	57.6	58.1
HOBBIT 87	46.	9/27	1.0	17.	1.0	50.8	53.6
KUNITZ	53.	9/25	1.3	37.	1.0		
LINFORD	43.	9/27	1.0	38.	1.0	52.5	53.0
PELLA 86	46.	9/14	1.0	32.	1.0	55.4	55.1
RESNIK	53.	9/14	1.0	32.	1.0	60.7	60.2
SHERMAN	54.	9/18	1.0	34.	1.0	60.0	59.4
WILLIAMS 82	56.	9/29	1.2	39.	1.0	60.4	58.8
SIEBEN HYBRIDS							
SS 343	51.	9/11	1.0	32.	1.0	58.7	
SS 349	53.	9/15	1.0	30.	1.0	62.0	
STEWART HYBRIDS							
324	47.	9/14	1.0	25.	1.0		
STONE SEED FARMS							
EX-3337	57.	9/18	1.0	34.	1.0		
SE-204	53.	9/10	1.0	31.	1.0	58.3	57.4
SE-305	46.	9/23	1.0	33.	1.0	57.4	
SE-306	51.	9/26	1.0	28.	1.0	57.1	57.2
SE-310	55.	9/24	1.0	39.	1.0	62.0	
TERRA INTERNATIONAL							
FINALIST	49.	9/09	1.0	31.	1.0	59.1	
TR 350 EXP	60.	9/24	1.3	34.	1.0		
TR 378 EXP	54.	9/24	1.0	36.	1.0		
VICTORY	55.	9/24	1.0	38.	1.0	64.7	
TRISLER SEED FARMS							
TRISOY 3440	48.	9/13	1.0	30.	1.0		
TWIN STATES							
9330	53.	9/16	1.0	31.	1.0	61.1	
9390	49.	9/19	1.0	34.	1.0		
U.A.P. SEED CO.							
DYNA-GRO 3340	49.	9/27	1.0	34.	1.0		
UAPX 71	57.	9/18	1.0	25.	1.0		
UPHOFF SEEDS							
3100	51.	9/16	1.0	28.	1.0	58.9	57.2
3600	51.	9/12	1.0	33.	1.0		
VORIS SEEDS							
V-357	53.	9/11	1.0	32.	1.0	60.7	61.5
WILKEN SEED GRAINS							
3484	51.	9/24	1.0	35.	1.0		
Average	51.5	..	1.0	32	1.0	58.9	58.7
L.S.D. 10% Level	6.2	..	0.2	3	0.2	..	..
L.S.D. 30% Level	3.9	..	0.1	2	0.1	..	..
SE of Cultivar Mean	2.6	..	0.1	1	0.1	2.9	2.8

