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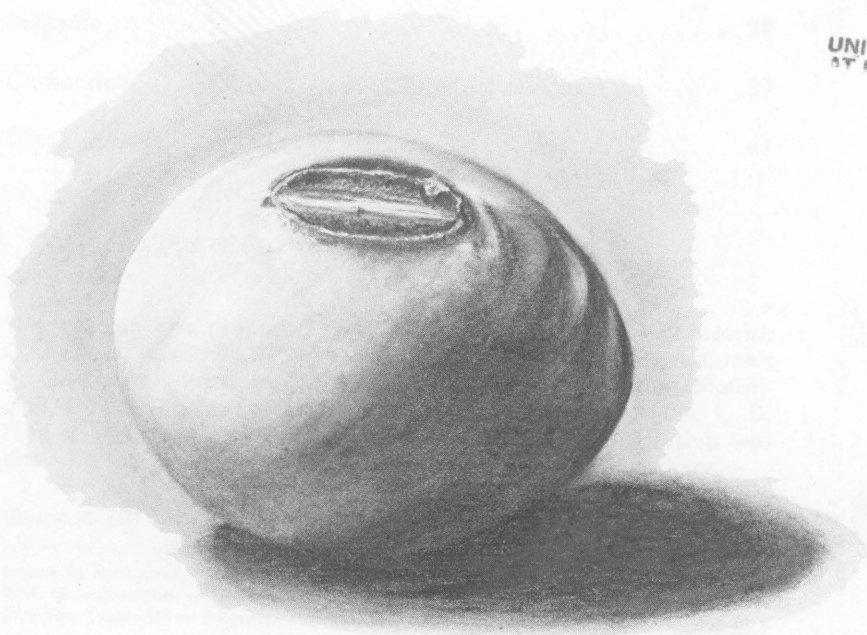
Performance of Commercial Soybeans in Illinois

1981

University of Illinois at Urbana-Champaign
College of Agriculture
Cooperative Extension Service

Circular 1198

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Urbana, Illinois

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PERFORMANCE OF COMMERCIAL SOYBEANS IN ILLINOIS, 1981

(With 1979 and 1980 Results)

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. Since 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 1981 Illinois soybean performance trials. To help finance the testing program, a fee of \$35 (\$50 for irrigated trials) 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 in the program.

Entries. A total of 1,430 entries were tested in 1981.

Number and location of tests. In 1981, 13 major tests were conducted at 10 locations in the state (see map on page 5). These sites represent major soils and maturity zones of the state.

Field plot design. All tests were arranged in randomized complete block designs with three replications. The 30-inch-row trial plots consisted of four rows each 25 feet long. The center two rows of each plot were harvested to measure yield. The 7-inch-row trial plots consisted of ten rows each 25 feet long. The center eight 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

Seedling emergence. The emergence score, which is related to hypocotyl elongation, measures the ability of soybean seed to germinate and emerge when planted too deep in the field. Three replications of each brand, variety, or blend entered was planted in sand at a depth of 3 inches. Temperature was held constant at 25° C. for the duration of the test. Emergence scores were measured as the percentage of seeds that germinated and emerged 8 days after planting. The following scores were used to compare entries:

- 1 — 80% or more emerged
- 2 — 70 to 79% emerged
- 3 — 40 to 69% emerged
- 4 — 20 to 39% emerged
- 5 — 0 to 19% emerged

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 scores were used to compare entries:

- 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 percent of open pods was estimated at harvest. The following scale was used to compare entries:

- 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 Swanson,¹ 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; (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 A was declared to be greater than that of 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

¹ Carmer, 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.

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



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

1981 Test Fields and Growing Conditions

DeKalb

Planting date: May 19.

Harvest dates: October 26 and 27.

Growing conditions: Good.

Comments: Banvel spray drift caused relatively uniform damage in early July. The drift seemed to slow or stop vegetative growth and may have reduced yields slightly.

Elwood

Planting date: May 20.

Harvest dates: October 12 and 13.

Growing conditions: Good.

Comments: Many plots in the 7-inch trials suffered severely from water damage and phytophthora infestations.

Macomb

Planting date: May 8.
 Harvest dates: October 28 and 29.
 Growing conditions: Good.
 Comments: Heavy rains shortly after planting greatly reduced stands. Weeds became a problem later in the season.

Kilbourne (Irrigated)

Planting date: May 5.
 Harvest dates: September 17 and 30.
 Growing conditions: Excellent.
 Irrigation: A total of 11.05 inches of water was applied in 13 applications during the growing season to supplement natural rainfall.
 Comments: Leaf miner beetles posed problems early in the season but were rapidly controlled by three successive applications of insecticide.

Urbana

Planting dates: May 22 and 23.
 Harvest dates: October 2, 3, 5, 9, 21, 30, and 31.
 Growing conditions: Good.
 Comments: Severe lodging occurred in the 7-inch trials, especially in the later maturing varieties.

Perry

Planting date: May 7.
 Harvest date: October 8.
 Growing conditions: Good.
 Comments: Emergence was erratic and stands were poor. Weeds were a problem throughout the growing season.

Brownstown

Planting date: June 9.
 Harvest dates: September 29 and October 20.
 Growing conditions: Good.
 Comments: A hard, packing rain occurred shortly after planting, contributing to poor emergence and therefore poor stands in the 7-inch trials. Stands in the 30-inch trials were good.

Belleville

Planting date: June 11.
 Harvest date: November 10.
 Growing conditions: Good.
 Comments: A heavy rain shortly after planting caused severe crusting of the soil surface, making emergence difficult and resulting in very poor stands. Many plots were also severely damaged by cultivation. For these reasons, the Group IV test at this location was discarded.

Carbondale

Planting date: June 18.
 Harvest date: November 11.
 Growing conditions: Fair.
 Comments: Rains shortly after planting caused a soil crusting problem, making emergence difficult and resulting in poor stands. Standing water virtually destroyed a large portion of the first replication of Groups III and IV. The results of only two replications of these groups are therefore reported here.

Dixon Springs

Planting date: June 29.
 Harvest date: November 3.
 Growing conditions: Good.
 Comments: Frequent rains throughout May and June delayed planting until late June. Despite this late planting date, most entries were able to reach full maturity before frost.

Growing Season Rainfall

Location	May	June	July	August
DeKalb	3.99	6.32	1.45	6.64
Elwood	4.54	11.18	4.67	5.30
Macomb	6.51	6.71	10.64	4.30
Kilbourne	5.81	7.38	7.75	5.14
(By irrigation)	...	(.85)	(5.10)	(5.10)
Urbana	5.83	4.72	6.81	8.64
Perry	5.99	5.58	7.13	8.69
Brownstown	6.73	3.29	7.88	5.26
Belleville	6.38	5.98	8.05	3.37
Carbondale	11.58	6.14	7.87	1.73
Dixon Springs	9.78	6.80	7.12	2.95

Sources of Seed

- ACCO, ACCO Paymaster Seed Co., P.O. Box 307, Belmond, IA 50421
- Ag-Seeds, Ag-Seeds, Inc., P.O. Box 316, Carthage, IL 62321
- Agripro, North American Plant Breeders, R.R. 2, Highway 30E, Ames, IA 50010
- Agrisoy, Agrinetics, Inc., P.O. Box 151, Naperville, IL 60566
- Agro-soy, Uphoff Seeds, Box 647, West Rt. 316, Charleston, IL 61920
- Americana, Americana Seeds, Inc., P.O. Box 275, Bowen, IL 62316
- Asgrow, Asgrow Seed Co., 7000 Portage Road, Kalamazoo, MI 49001
- Bellatti, Bellatti Soybeans, R.R. 2, Mount Pulaski, IL 62548
- Butzow, Butzow Soybeans, P.O. Box 84, Sidney, IL 61873
- Callahan, Callahan Seeds, 1122 E. 169th St., Westfield, IN 46074
- CFS, Custom Farm Seed, P.O. Box 160, Momence, IL 60954
- Coker, Coker's Pedigreed Seed Co., P.O. Box 205, Richland, IN 47634
- Dairyland, Dairyland Seed Co., Inc., P.O. Box 958, 3570 Highway H, West Bend, WI 53095
- Diener, Diener Brothers, Inc., R.R. 1, Box 16A, Reynolds, IN 47980
- De Soy, Dale Ewing Farm Seed, Box 516, Jewell, IA 50130
- Duesterhaus, Duesterhaus Fertilizer, Inc., P.O. Box 248, Quincy, IL 62301
- FFR, FFR Cooperative, 4112 E. State Road 225, West Lafayette, IN 47906
- FS, Growmark, Inc., 1701 Towanda Avenue, Bloomington, IL 61701
- Funk, Funk Seeds International, 1300 W. Washington St., Bloomington, IL 61701
- Fulvar, Fuller Seed Co., Inc., P.O. Box 38, Lincoln, IL 62656
- Furrow, Furrow Seed Co., P.O. Box 246, El Paso, IL 61738
- Gold Tag, Ferry-Morse Seed Co., P.O. Box 24, Geneseo, IL 61254
- Helena, Helena Chemical Co., Suite 3200, 5100 Poplar Ave., Memphis, TN 38137
- Henkel Seeds, Henkel Grain Co., R.R. 1, Mendota, IL 61342
- Hoblit, Hoblit Seed Co., R.R. 2, Atlanta, IL 61723
- JM Schultz, J. M. Schultz Seed Co., 105 Pine St., Dietrich, IL 62424
- Geo. Keller & Sons Co., Geo. Keller & Sons Co., 909 Maine St., Quincy, IL 62301
- Kitchen, Kitchen Seed Co., Inc., N. Vine St., Arthur, IL 61911
- Kruger, Kruger Seed Co., P.O. Box 807, Highway 57 W., Cedar Falls, IA 50613
- Landers, Landers Seed Co., Inc., P.O. Box 120, Sullivan, IL 61951
- Lewis, Lewis Hybrids, Inc., Ursa, IL 62376
- McAllister, McAllister Seed Co., P.O. Box 28, Mt. Pleasant, IA 52641
- McCubbin, McCubbin Seed Farm, Inc., Green Mountain, IA 50637
- McCurdy, McCurdy Seed Co., Main St., Fremont, IA 52561
- Merschman, Merschman Seed & Fertilizer, Inc., P.O. Box 67, West Point, IA 52656
- Migro, North American Plant Breeders, P.O. Box 2955, Mission, KS 66201
- NAPB, North American Plant Breeders, R.R. 2, Highway 30 East, Ames, IA 50010
- Noble, Noble Brothers, P.O. Box 529, Gibson City, IL 60936
- Northrup-King, Northrup-King Co., 1452 29th St., Suite 214, West Des Moines, IA 50265
- Pfizer, Pfizer Genetics, Inc., P.O. Box 33, Mason City, IL 62664
- Pride, Pride Co., Inc., P.O. Box 8, Glen Haven, WI 53810
- Public Varieties, Illinois Foundation Seeds, P.O. Box 722, Champaign, IL 61820
- Ridgway, Ridgway Seed Co., P.O. Box 212, Ridgway, IL 62979
- Ring Around, Ring Around Products, Inc., P.O. Box 1629, Plainview, TX 79072
- Riverside, Lynnville Seed Co., Lynnville, IA 50153
- S Brand, Schechinger Seed Co., R.R. 1, Harlan, IA 51537
- Seedmakers, Seedmakers, Inc., P.O. Box 84, Sidney, IL 61877
- Shissler, Shissler Seed Co., Elmwood, IL 61529
- SRF, Soybean Research Foundation, Inc., P.O. Box 72, Mason City, IL 62664
- Stewart Seeds, Stewart Seeds, Inc., Rt. 8, Box 227, Greensburg, IN 47240
- Stine, Stine Seed Farm, Inc., Rt. 3, Box 204, Adel, IA 50003
- Stone, Stone Seed Farms, Inc., R.R. 2, Pleasant Plains, IL 62677
- Trisler, Trisler Seed Farms, Inc., R.R. 1, Box 153, Fairmount, IL 61841
- Supersoy, Stewart Hybrids, Inc., R.R. 1, Princeville, IL 61559
- Voris, Voris Seeds, Inc., P.O. Box 457, Windfall, IN 46076
- VR, VR Seeds, Inc., P.O. Box M, Plymouth, IN 46563

Emergence Scores

Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)	Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)	Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)
ACCO		2350 (V)	1.0	295 (B)	3.3
Paymaster 201 (B)	1.0	2380 (V)	3.0	320 (V)	1.3
Paymaster 351 (V)	1.0	9240R (V)	1.0	325 (B)	1.3
Paymaster 401 (V)	1.7	9330 (B)	1.3	340 (B)	4.3
Agripro		9400 (B)	1.3	350 (B)	3.0
18 (V)	1.0	C5280 (B)	1.7	425 (B)	1.0
25 (V)	2.0	CFS		480 (B)	2.7
27 (V)	4.3	22 (V)	1.3	HS 220 (V)	1.0
35 (V)	1.7	23 (V)	2.0	HS 235 (V)	3.3
AP 55 (V)	2.7	31 (V)	1.7	HS 265 (V)	3.3
AP 200 (V)	1.3	34 (V)	4.3	Fulvar	
AP 225C (V)	1.7	Coker		221 (V)	1.0
AP 230 (V)	3.7	78-113 (V)	1.0	241 (V)	1.3
AP 250 (V)	1.7	79-4 (V)	1.0	261 (V)	1.7
AP 350 (V)	1.7	79-5 (V)	1.0	321 (V)	1.0
Agrisoy		79-25 (V)	1.0	331 (V)	1.3
220 (V)	1.0	Dairyland		361 (V)	3.0
Agro-soy		DSR-171 (V)	1.3	381 (V)	1.0
31 (V)	1.3	DSR-207 (V)	1.7	290 (B)	3.7
46+ (V)	1.0	DSR-225 (V)	1.7	Funk	
47 (V)	2.0	DSR-232 (V)	4.0	12042 (X)	1.0
68 (V)	1.7	DSR-227 (V)	2.7	G-3236 (X)	2.0
69 (V)	3.0	DSR-303 (V)	1.7	G-3340 (X)	2.0
Exp-S4 (V)	2.0	DSR-320 (V)	1.7	G-3443 (X)	3.7
Ag-Seeds		DSR-352 (V)	1.3	Furrow Seed Co.	
7250 (V)	2.7	De Soy		259 (B)	1.3
King (B)	1.7	295 (B)	1.0	ST 215 (V)	3.0
Americana		305 (B)	1.0	ST 275 (V)	2.0
B268 (V)	1.7	433E (B)	1.3	Gold Tag	
B500 (V)	3.0	550 (B)	1.7	1170 (V)	2.0
XK262 (V)	2.0	555E (B)	1.0	1200 (V)	3.0
XK505 (V)	1.3	444E (B)	1.3	1250 (V)	1.3
XK585 (V)	1.0	575 (B)	1.7	1270 (V)	3.3
Clinton (V)	1.0	675 (B)	2.7	1310 (V)	1.0
Clipper (V)	2.3	747E (B)	2.0	1330 (V)	3.0
Concord (B)	2.7	750 (B)	1.0	1340 (V)	1.0
Hancock (V)	1.0	777A (B)	1.0	1380 (V)	2.0
Little Giant (V)	2.3	800 (B)	2.0	1440 (V)	4.0
Plymouth (B)	1.7	850A (B)	1.0	Helena	
Rebel (V)	1.0	875 (B)	1.3	Stevens (V)	3.0
Revere (V)	1.3	880 (B)	2.0	Wilstar 430 (V)	4.0
Yankee (V)	1.7	900 (B)	1.3	Wilstar 550 (V)	1.7
Asgrow		950 (B)	2.3	Exp. HB-46601-5 (V)	1.3
A1937 (X)	3.3	975A (B)	2.7	Henkel Seeds	
A2575 (X)	4.0	Diener Bros.		Super Soy 430A (B)	1.3
A2656 (X)	1.3	DB210 (V)	2.7	Super Soy 440A (B)	2.3
A2680 (X)	1.0	DB310 (V)	3.7	Super Soy 444 (B)	1.7
A2858 (X)	1.0	DB340 (V)	3.0	Super Soy 446 (B)	1.7
A3127 (X)	1.0	Duesterhaus		Super Soy 450 (B)	1.0
A3659 (X)	1.0	L 12 (V)	3.0	Super Soy 460A (B)	3.0
A3860 (X)	1.0	L 13 (V)	1.0	Super Soy 540 (B)	2.0
A4268 (X)	1.0	L 14 (V)	1.0	Super Soy 544 (B)	2.0
A5474 (X)	1.7	FFR		Super Soy 594 (B)	3.3
A5618 (X)	1.7	1518 (V)	3.7	Super Soy 682 (B)	2.3
Bellatti		2777 (V)	1.3	Hoblitt	
B5-79 (V)	2.0	2515 (V)	1.0	Heritage (V)	1.3
B28-79 (V)	1.3	3728 (V)	2.3	Shiloh (V)	1.0
E-B5-80 (V)	2.0	50118 (V)	3.7	J. M. Schultz	
R-13-11 (V)	3.0	51207 (V)	2.0	Mitchell (V)	2.3
Semi-dwarf (V)	1.0	FS Exp HiSoy		Shawnee (V)	2.7
Seedmaker 1E (V)	1.0	219 (B)	3.7	Shawnee II (V)	3.0
Exp-BW (V)	2.7	221 (V)	2.3	Washington V (V)	2.7
Exp R-77-84 (V)	3.0	226 (B)	2.0	Victor (V)	3.7
Butzow		228 (V)	1.0	Exp. 2382 (V)	1.0
SC226 (V)	1.0	288 (V)	1.0	Exp. 3482 (V)	1.3
SC333 (V)	2.0	321 (B)	1.0	Exp. 4982 (V)	4.0
SC338 (V)	5.0	322 (V)	1.7	Jacques	
Callahan		360 (V)	1.0	105	1.7
1250 (V)	1.0	450 (V)	2.7	110	1.3
1320 (V)	2.3	FS HiSoy		112	1.0
1450 (V)	4.7	225 (B)	2.0	Geo. Keller & Sons Co.	
2200 (V)	2.0	280 (B)	2.7	Grant (X)	1.7

Emergence Scores (continued)

Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)	Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)	Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)
Geo. Keller & Sons, cont.		102+ (B)	1.3	RA-402 (V)	2.7
K-910 (X)	2.3	109+ (B)	4.7	RA-481 (V)	2.0
K-914 (X)	3.3	202+ (B)	3.0	RAX-23 (V)	2.3
K-915 (X)	3.7	308+ (B)	4.3	RAX-24 (V)	2.0
Kitchen		500A (B)	4.3	Mitchell-450 (V)	1.3
KSC 180 (VX)	3.7	ML3 (B)	2.3	Riverside	
KSC 378 (VX)	4.3	Merschman		202R (X)	1.7
KSC 380 (VX)	1.3	Cheyenne (X)	2.3	2022 (X)	1.0
KSC 383 (VX)	1.0	Cleveland (X)	1.3	2024 (X)	1.7
Kruger		Dallas (V)	4.3	2025 (X)	3.3
K-2000 (V)	2.0	Jefferson II (B)	3.0	3036 (X)	1.0
K-2002 (V)	2.3	Jefferson III (B)	3.0	4041 (X)	3.0
K-2005 (V)	1.0	Kennedy (X)	4.3	4042 (X)	1.3
K-2010A (V)	1.0	Navaho III (X)	4.0	4044 (X)	2.3
K-2030 (V)	1.3	Richmond (X)	1.0	4045 (X)	2.0
K-2100 (V)	1.0	Shawnee II (X)	3.7	S Brand	
K-2120 (V)	3.3	Sauk (B)	2.7	S 43 (V)	1.7
K-2199 (V)	1.7	Truman (X)	3.0	S 46B (B)	2.3
K-2205 (V)	1.7	Washington V (X)	2.3	S 47 (V)	2.3
K-3015A (V)	1.0	Migro		S 47B (V)	1.0
K-3035 (V)	1.0	HP20-20 (X)	1.3	S 50A (B)	2.3
K-3140 (V)	3.3	HP2530 (X)	1.0	S 51 (V)	1.7
K-4085 (V)	1.0	HP3700 (X)	3.7	S 52A (B)	2.7
KB-210 (B)	1.7	HP4800 (X)	2.7	S 56 (B)	3.0
KB-220 (B)	1.0	NAPB		S 60B (B)	1.7
KB-230 (B)	1.0	EX 163 (V)	2.7	SRF	
KB-310 (B)	1.0	EX 229 (V)	1.7	250 (V)	2.0
KB-320 (B)	2.3	EX 320 (B)	2.0	350P (V)	1.3
KB-340 (B)	1.0	EX 1090 (V)	1.7	450 (V)	4.0
KB-360 (B)	1.0	EX 3100 (V)	1.7	425 (V)	1.7
Landers		EX 7117 (V)	1.7	Hobson (V)	1.0
2304 (B)	3.7	EX 8043 (V)	1.3	Matsoy (V)	1.7
2503R (B)	3.3	EX 9031 (V)	1.0	74-7272 Exp. (V)	1.0
2908 (B)	2.7	Noble		Seedmakers	
3310 (B)	3.3	NB 2100 (X)	1.3	27391A (V)	2.3
3710 (B)	1.3	NB 2600 (X)	2.0	27291B-W (V)	1.3
3712 (B)	1.3	NB 2700 (X)	1.0	SM9-E (V)	1.3
4516 (B)	1.3	NB 3500 (X)	1.0	72118A (V)	2.0
4520C (B)	2.3	Northrup-King		Shissler	
4920 (B)	3.0	MV24-59 (B)	2.3	GR-8 263 (V)	2.0
Lewis		MV32-67 (B)	4.0	GR-8 265 (V)	1.0
20 (V)	3.3	MV39-19 (B)	4.7	GR-8 367 (V)	3.0
21 (V)	4.0	MV80 (B)	3.7	Stewart Seeds	
22B (B)	2.0	MV95 (B)	2.0	SB 3400 (V)	4.3
23 (V)	2.7	S1492 (V)	2.0	SB 3700 (V)	1.0
27 (V)	2.3	S2596 (V)	3.3	SB 4200 (V)	1.7
31 (V)	2.3	S40-44 (V)	5.0	Stine	
33B (B)	1.7	Pfizer Genetics		2050 (V)	1.7
34 (V)	1.0	2ER-75 (B)	1.0	3010 (V)	2.7
37 (V)	3.0	CB200 (B)	1.0	Stone	
38 (V)	1.0	CB391 (B)	2.7	Stoy Exp. 3301 (V)	2.0
42 (V)	3.7	CB425 (B)	2.3	Stoy Exp. 3304 (V)	2.3
43 (V)	1.7	CX155 (X)	1.0	Stoy Exp. 3341 (V)	1.0
47 (V)	2.7	CX276 (X)	4.0	Supersoy	
49 (V)	2.3	CX290 (X)	2.3	450 (B)	1.3
McAllister		CX321 (X)	1.7	460A (B)	3.0
82-2 (B)	2.3	CX380 (X)	1.3	465 (B)	1.0
82-3 (B)	4.0	Pride		470 (B)	1.3
8133 (V)	1.7	B216 (V)	1.7	482 (B)	1.3
8156 (V)	1.3	B220 (V)	2.3	Trisler	
McCubbin		B352 (B)	2.3	Trisoy 201 (V)	1.7
1X-124 (X)	1.7	Ex. 119403 (V)	1.0	Trisoy 211 (V)	2.0
4X-314 (X)	2.7	Ridgway		Trisoy 260 (V)	3.0
Albany (X)	1.0	B7313 (B)	2.0	Trisoy 301 (V)	1.3
Carson (X)	3.7	B7326 (B)	3.0	Trisoy 302 (B)	1.3
Leo II (X)	1.0	B7427 (B)	1.7	Trisoy 311 (V)	1.7
Lyon (X)	4.0	B7435 (B)	2.7	Trisoy 312 (B)	2.7
Shiloh (X)	3.0	B7438 (B)	3.0	Trisoy 360 (V)	3.3
Troy (X)	2.0	Gallatin 80 (B)	1.7	Voris	
McCurdy		Ring Around		147 (V)	4.7
94+ (B)	1.3	RA-36 (B)	2.0	207 (V)	1.0
101+ (B)	3.3	RA-401 (V)	2.3	247 (V)	3.7

Emergence Scores (continued)

Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)	Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)	Company source Brand (X), Variety (V), or Blend (B)	Emergence score (1-5)
Voris, cont.		Public Varieties			
257 (V)	1.0	Amsoy 71 (V)	3.7	Nebsoy (V)	1.7
285 (V)	2.3	Beeson 80 (V)	2.3	Pella (V)	2.0
295 (V)	2.7	Century (V)	2.0	Pixie (V)	1.7
339 (V)	1.7	Corsoy 79 (V)	1.0	Sprite (V)	1.0
465 (V)	2.0	Cumberland (V)	2.0	Union (V)	3.0
495 (V)	3.7	Desoto (V)	4.0	Weber (V)	1.3
B202 (B)	1.0	Elf (V)	1.7	Wells II (V)	1.3
VR		Essex (V)	1.3	Will (V)	2.0
3393 (V)	1.0	Fayette (V)	1.7	Williams 79 (V)	2.3
4004 (B)	2.0	Franklin (V)	1.3	Williams 82 (V)	2.7
8027 (V)	3.0	Gnome (V)	1.0		
Baron (B)	2.3	Hardin (V)	1.0	Average	2.1
Burr (V)	1.0	Hobbit (V)	1.7	L.S.D. 10% Level	1.6
Delta (V)	3.3	Lawrence (V)	2.3	Std. Err. of Mean	0.6
Exp. 5005 (V)	3.7	Nathan (V)	2.0		

Soybean Variety Trial Results
DEKALB (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP I													
PUBLIC VARIETY													
HARDIN.....	48.3	9/18	3.0	32	1.7	35.7	9/20	2.4	40	1.0			
WEBER.....	41.8	9/16	3.0	33	1.7	33.4	9/20	4.0	37	1.0			
ASGROW													
A1937.....	49.4	9/15	2.5	29	1.3								
DAIRYLAND													
DSR-171.....	48.2	9/19	2.3	33	1.7	41.9	9/18	1.7	39	1.0			
DE SOY													
295.....	43.9	9/13	3.2	32	1.3								
GOLD TAG													
1170.....	40.5	9/11	2.8	33	2.0	40.0	9/20	2.4	40	1.0			
MCCURDY													
94+.....	44.5	9/20	2.5	32	1.0	39.0	9/19	2.0	40	1.0			
PFIZER GENETICS													
CX155.....	46.2	9/17	3.0	35	2.0	33.0	9/21	3.0	42	1.0	54.0	4.5	1.0
SRF													
74-7272 EXP.....	46.3	9/14	3.2	29	1.3								
VORIS													
147.....	48.6	9/17	3.2	35	1.3								
AVERAGE.....	45.4	..	2.8	32	1.5	36.9	..	2.5	38	1.0	48.3	4.3	1.0
L.S.D. 10% LEVEL.....	..	..	0.5	3	..	4.9	..	..	2	..	..	..	..
L.S.D. 30% LEVEL.....	..	..	0.3	2	..	3.0	..	..	1	..	..	..	..
STD ERR OF MEAN.....	2.3	..	0.2	1	0.3	2.0	..	..	1	..	2.8	..	..
MATURITY GROUP II													
PUBLIC VARIETY													
AMSOY 71.....	51.1	9/26	2.8	36	1.0	31.6	9/22	2.7	44	1.0	59.2	3.6	1.0
BEESON 80.....	51.6	9/27	2.2	34	1.3	39.4	9/21	1.9	39	1.0			
CENTURY.....	54.6	9/29	1.5	34	1.0	38.2	9/25	1.4	42	1.0			
CORSOY 79.....	46.5	9/23	3.0	34	1.0	33.2	9/23	2.7	44	1.0			
GNOME.....	55.3	9/19	1.8	27	1.0	45.2	9/28	1.0	21	1.0			
NEBSOY.....	46.1	9/28	1.8	34	1.0	34.5	9/21	1.3	36	1.0			
WELLS II.....	48.2	9/18	1.7	35	2.0	36.3	9/22	1.3	43	1.0	55.4	3.3	1.0
ACCO													
PAYMASTER 201.....	41.3	9/18	2.3	32	2.0	36.6	9/21	1.6	38	1.0	57.4	3.8	1.0
AGRIPRO													
AP200.....	45.6	9/18	3.3	33	1.3	37.5	9/21	3.2	39	1.0	57.9	3.8	1.0
AP225C.....	49.5	10/02	2.2	28	1.0	44.7	9/21	1.1	34	1.0	55.1	3.8	1.0
AP 230.....	44.9	9/23	1.5	36	1.0								
18.....	46.0	9/19	2.7	33	1.7	38.2	9/22	3.1	40	1.0	62.6	4.4	1.0
AGRISDY													
220.....	49.4	9/25	2.7	37	1.0								
AGRO-SOY													
31.....	57.9	9/27	1.8	35	1.7	49.5	9/28	2.8	41	1.0			
AMERICANA													
CLINTON.....	47.2	10/02	1.8	35	1.0	39.2	10/03	2.0	45	1.0			
CLIPPER.....	46.4	9/22	1.7	32	1.0								
PLYMOUTH.....	44.8	9/20	3.2	33	1.3								
XK505.....	53.0	9/28	1.8	36	1.3	36.8	9/24	1.7	46	1.0	54.6	3.7	1.0
YANKEE.....	57.6	10/01	2.2	35	1.3								
ASGROW													
A2575.....	47.0	9/20	1.7	36	1.0	39.6	9/22	1.3	42	1.0	58.5	3.0	1.0
A2656.....	45.5	9/24	2.7	37	1.0	36.9	9/20	3.3	43	1.0	60.5	4.0	1.0
A2680.....	49.0	9/25	3.0	35	1.3	41.1	9/25	2.8	39	1.0			
A2858.....	47.2	9/25	2.2	32	1.7	37.8	9/24	1.8	38	1.0			
BELLATTI													
EXP R-77-84.....	47.6	9/28	2.3	34	1.0	36.6	9/24	1.3	41	1.0	59.1	4.2	1.0
CALLAHAN													
1250.....	54.5	9/28	1.7	36	2.0								
2200.....	48.5	9/25	1.8	33	2.0								
CFS													
22.....	47.9	9/24	2.3	35	1.0	34.7	9/22	3.8	42	1.0			
23.....	53.0	9/27	1.8	35	1.7								
DAIRYLAND													
DSR-207.....	41.9	9/23	1.7	31	1.7	39.5	9/21	1.4	35	1.0	58.4	3.5	1.0
DSR-225.....	48.2	9/29	1.8	36	1.3								
DSR-227.....	55.2	9/30	2.2	37	1.0								
DSR-232.....	49.9	9/28	2.5	34	1.3	39.3	9/25	2.2	40	1.0	54.9	4.9	1.0
DE SOY													
305.....	41.7	9/22	3.5	34	1.7	36.9	9/22	3.0	43	1.0	61.6	4.8	1.0
433E.....	50.5	9/21	2.7	35	1.3								
444E.....	49.9	9/17	2.3	35	1.7								
550.....	50.9	9/25	2.3	35	1.7								
555E.....	51.7	9/27	3.2	35	2.0								
575.....	49.7	9/27	2.0	37	1.3								
750.....	59.7	9/29	2.0	34	2.0	47.2	9/27	2.4	43	1.0			

DEKALB (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
FFR													
1518.....	42.3	9/25	2.2	32	1.3								
FS EXP HISOY													
219.....	45.6	9/25	2.2	34	1.0								
221.....	47.4	9/23	1.8	32	1.3								
226.....	49.1	9/24	1.8	35	1.3								
228.....	48.7	9/20	1.8	29	2.0								
288.....	54.7	9/28	1.8	35	1.7								
FS HISOY													
HS 220.....	51.2	9/19	2.5	35	2.0	37.6	9/18	2.3	38	1.0			
HS 235.....	56.3	9/30	2.7	35	1.0	41.2	9/26	2.2	43	1.0			
HS 265.....	56.0	9/26	1.7	31	1.7	41.4	9/24	1.2	37	1.0			
225.....	41.3	9/24	2.7	34	1.0	35.3	9/23	2.2	41	1.0	60.2	3.7	1.0
280.....	58.2	9/29	1.7	36	1.3	46.2	9/25	1.3	42	1.0			
FUNK													
G-3236.....	54.4	9/29	2.2	33	1.0	35.4	9/25	1.6	37	1.0			
12042.....	46.1	9/22	2.8	33	1.3	37.0	9/22	2.1	44	1.0			
GEO. KELLER & SONS CO.													
K-915.....	49.6	9/29	2.2	34	1.3								
GOLD TAG													
1200.....	49.3	9/23	3.0	35	1.0	39.5	9/23	3.5	39	1.0			
1250.....	54.5	9/28	2.0	35	1.3	35.7	9/24	1.6	42	1.0	57.8	2.7	1.0
1270.....	51.9	9/29	2.0	34	2.0								
HENKEL SEEDS													
SUPER SOY 430A.....	51.3	9/24	2.0	33	1.7								
SUPER SOY 440A.....	49.1	9/28	2.5	35	1.3								
SUPER SOY 444.....	45.5	9/25	2.5	36	1.7	38.9	9/22	2.6	44	1.0			
SUPER SOY 446.....	47.2	9/27	2.5	32	1.7								
SUPER SOY 450.....	46.5	9/30	2.3	36	1.0	39.8	9/27	2.2	41	1.0			
SUPER SOY 460A.....	48.4	10/04	2.5	36	1.0								
SUPER SOY 540.....	47.0	9/23	2.0	35	1.7	41.0	9/20	3.1	42	1.0			
SUPER SOY 544.....	48.6	9/22	2.8	34	1.7	36.9	9/22	2.6	42	1.0			
SUPER SOY 594.....	52.5	9/23	2.5	36	1.7								
SUPER SOY 682.....	52.7	9/30	2.2	36	1.3								
JACQUES													
105.....	51.4	9/29	1.8	30	1.0								
J M SCHULTZ													
EXP. 2382.....	54.0	9/30	1.8	36	1.7								
SHAWNEE II.....	56.8	9/23	2.3	35	1.0	40.8	9/22	2.1	39	1.0	60.6	3.5	1.0
SHAWNEE.....	53.9	9/29	2.2	36	1.3	38.6	9/25	3.5	42	1.0			
KRUGER													
KB-210.....	49.7	9/20	2.7	34	2.0								
KB-220.....	50.5	9/23	2.2	36	1.7								
KB-230.....	52.6	9/19	1.8	36	1.7								
K-2000.....	53.3	9/23	2.3	36	1.0								
K-2002.....	49.4	9/25	1.5	36	1.7								
K-2005.....	43.5	9/22	3.5	34	1.3								
K-2010A.....	47.2	9/27	2.2	36	1.7								
K-2030.....	48.1	9/24	2.5	41	1.0								
K-2100.....	50.6	9/23	2.0	30	2.0								
K-2199.....	52.4	9/28	1.5	35	1.3								
LANDERS													
2304.....	48.7	9/28	2.2	38	1.3	40.0	9/23	2.2	40	1.0			
2503R.....	45.9	9/24	1.8	35	1.7	42.1	9/22	2.2	40	1.0	60.1	2.9	1.0
LEWIS													
20.....	48.0	9/19	1.8	33	2.0								
21.....	54.7	9/31	1.8	34	1.0	42.7	9/29	1.5	44	1.0	52.0	4.5	1.0
MCALLISTER													
8133.....	39.1	9/22	2.0	35	1.7								
82-2.....	50.5	9/26	2.2	35	1.3								
MCCUBBIN													
LEO II.....	52.9	10/05	3.2	36	1.0								
LYON.....	46.3	9/24	2.2	33	1.0								
SHILOH.....	49.8	9/23	2.7	33	1.3								
1X-124.....	53.4	9/29	1.5	33	1.7								
MCCURDY													
101+.....	47.1	9/27	2.5	36	1.3	35.7	9/22	1.8	43	1.0	57.7	3.7	1.0
102+.....	43.9	9/22	2.7	35	1.7	34.2	9/22	3.0	44	1.0			
202+.....	46.6	10/05	3.0	41	1.0								
MERSCHMAN													
CHEYENNE.....	52.1	9/29	2.0	32	1.7	47.4	9/25	1.9	43	1.0			
NAVAHO III.....	50.3	10/04	2.0	41	1.0								
SAUK.....	51.7	9/27	2.2	36	1.7	36.7	9/27	2.2	40	1.0	57.3	3.3	1.0
SHAWNEE II.....	50.1	9/24	2.8	34	1.3	37.7	9/22	1.7	40	1.0	59.9	4.0	1.0
MIGRO													
HP20-20.....	46.5	9/19	2.8	32	1.3	42.6	9/18	2.1	38	1.0	53.4	4.2	1.0
HP2530.....	55.3	9/25	2.2	35	1.3	42.3	9/24	1.8	35	1.0			
NAPB													
EX 1090.....	47.2	9/26	2.0	30	1.3								
EX 3100.....	54.5	9/20	1.8	32	1.3								
NOBLE													
NB 2100.....	43.0	9/24	2.7	38	1.3	37.5	9/23	2.3	45	1.0			
NB 2700.....	53.0	9/30	2.0	35	1.3								

DEKALB (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
NORTHROP-KING													
MV24-59.....	53.7	9/28	2.3	32	2.0								
S1492.....	48.3	9/23	2.3	32	2.0	46.3	9/23	1.2	38	1.0	58.2	4.0	1.0
S2596.....	49.0	9/26	2.2	32	1.0	45.5	9/25	1.1	37	1.0	59.6	2.9	1.0
PFIZER GENETICS													
CB200.....	40.2	9/19	3.0	36	1.3	43.0	9/19	4.1	44	1.0	62.5	4.3	1.0
2ER-75.....	44.0	9/21	2.3	37	2.0	33.5	9/23	2.6	40	1.0	53.0	4.2	1.0
PRIDE													
B216.....	50.8	9/23	2.3	33	2.0	40.2	9/23	1.7	37	1.0	62.3	3.1	1.0
B220.....	49.0	9/27	2.5	34	1.0	37.8	9/22	1.3	40	1.0	59.2	3.2	1.0
RIVERSIDE													
4041.....	45.6	9/21	2.0	38	1.0								
4042.....	47.5	9/23	2.2	37	1.0	41.9	9/25	1.7	43	1.0	59.7	3.8	1.0
4044.....	48.6	9/20	2.5	37	1.3								
4045.....	48.7	9/23	1.8	37	1.7								
SRF													
250.....	45.8	9/28	1.7	34	1.3	44.8	9/30	1.1	41	1.0			
STINE													
2050.....	53.8	9/30	1.7	35	1.3								
VORIS													
B202.....	49.6	9/19	2.5	33	1.7								
207.....	48.9	9/21	2.0	35	1.3						56.2	3.7	1.0
247.....	50.3	9/23	1.3	31	1.0						59.1	2.3	1.0
257.....	47.0	9/30	2.3	39	1.0								
AVERAGE.....	49.5	..	2.2	35	1.4	38.5	..	2.3	40	1.0	57.2	3.8	1.0
L.S.D. 10% LEVEL.....	5.4	..	0.5	3	0.6	6.0	..	..	3	..	..	..	..
L.S.D. 30% LEVEL.....	3.4	..	0.3	2	0.4	3.7	..	..	2	..	..	..	..
STD ERR OF MEAN.....	2.3	..	0.2	1	0.3	2.5	..	..	1	..	2.5	..	..
MATURITY GROUP III													
PUBLIC VARIETY													
CUMBERLAND.....	50.3	10/03	2.8	33	1.0	35.0	10/02	1.9	42	1.0			
PELLA.....	52.4	10/02	2.0	36	1.0	36.1	9/29	1.2	43	1.0			
SPRITE.....	53.8	10/05	1.3	25	1.0	44.8	10/01	1.0	26	1.0			
WILLIAMS 79.....	50.8	10/05	2.5	35	1.0								
AGRIPRO													
AP250.....	57.4	9/30	2.0	36	1.0	37.1	9/25	2.6	45	1.0			
AGRO-SOY													
46+.....	56.0	10/02	2.7	33	1.0								
47.....	55.5	10/06	3.0	34	1.0	45.0	10/02	1.2	40	1.0			
CFS													
31.....	49.8	10/06	3.3	34	1.0	43.7	10/01	3.0	43	1.0			
34.....	52.6	10/05	2.2	33	1.0	36.4	9/29	1.6	39	1.0			
FUNK													
G-3340.....	49.5	10/03	3.3	32	1.0	40.3	10/01	2.5	41	1.0	49.9	4.0	1.0
J M SCHULTZ													
WASHINGTON V.....	52.4	10/06	3.2	34	1.0								
MERSCHMAN													
TRUMAN.....	51.5	10/03	2.7	30	1.0								
WASHINGTON V.....	53.6	10/06	3.5	34	1.0								
RIVERSIDE													
3036.....	48.0	9/29	2.5	35	1.0								
AVERAGE.....	52.4	..	2.6	33	1.0	38.5	..	2.1	40	1.0	51.2	3.3	1.0
L.S.D. 10% LEVEL.....	3.9	..	0.3	4	0.0	4.4	..	..	4	..	..	..	..
L.S.D. 30% LEVEL.....	2.4	..	0.2	3	0.0	2.8	..	..	2	..	..	..	..
STD ERR OF MEAN.....	1.6	..	0.1	2	0.0	1.9	..	..	2	..	2.5	..	..

**Soybean Variety Trial Results
ELWOOD (30-INCH ROW SPACING)**

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP I													
PUBLIC VARIETY													
HARDIN.....	39.1	9/14	3.7	31	1.0	46.0	9/21	1.8	34	1.0			
WEBER.....	42.9	9/17	3.2	35	1.0	49.9	9/19	1.7	35	1.0			
ASGROW													
A1937.....	45.8	9/12	2.8	31	1.0								
SRF													
74-7272 EXP.....	46.7	9/20	3.3	38	1.0								
MATURITY GROUP II													
PUBLIC VARIETY													
AMSOY 71.....	44.5	9/23	3.3	40	1.0	50.0	9/23	2.2	35	1.0	39.8	1.0	1.0
BEESON 80.....	42.8	9/24	2.5	38	1.0	48.1	9/23	1.3	37	1.0			
CENTURY.....	36.7	9/27	1.3	38	1.0	50.8	9/25	1.4	37	1.0			
CORSOY 79.....	45.7	9/19	3.7	37	1.0	44.6	9/22	2.1	42	1.0			
GNOME.....	48.9	9/28	2.5	22	1.0	56.2	9/30	1.2	25	1.0			
NEBSOY.....	41.5	9/24	1.5	33	1.0	48.7	9/26	1.3	37	1.0			
WELLS II.....	45.5	9/23	2.2	40	1.0	51.0	9/23	1.6	42	1.0			
AGRIPRO													
AP200.....	39.0	9/16	2.5	34	1.0	44.3	9/20	1.4	36	1.0	43.9	1.2	1.0
AP225C.....	43.5	9/13	2.8	35	1.0	51.2	9/18	1.2	30	1.0	43.9	1.1	1.0
AP 230.....	41.2	9/24	1.3	37	1.0								
18.....	41.9	9/14	3.8	34	1.0	50.6	9/21	1.8	40	1.0	42.1	1.0	1.0
AGRO-SOY													
31.....	48.0	9/24	2.5	35	1.0	57.8	10/02	1.9	40	1.0			
AMERICANA													
CLINTON.....	48.0	10/03	2.3	41	1.0								
CLIPPER.....	48.7	9/19	2.7	37	1.0								
YANKEE.....	47.9	9/27	3.3	41	1.0								
ASGROW													
A2575.....	46.3	9/21	1.5	33	1.0	54.6	9/25	1.4	41	1.0	46.5	1.0	1.0
A2656.....	40.4	9/17	3.3	38	1.0	52.3	9/22	2.5	38	1.0	34.9	1.0	1.0
A2680.....	44.6	9/23	3.2	36	1.0								
A2858.....	41.2	9/23	2.7	32	1.0	42.6	9/25	1.7	35	1.0			
BELLATTI													
EXP R-77-84.....	40.7	9/26	2.2	40	1.0	55.8	9/29	2.5	39	1.0	41.0	1.3	1.0
CALLAHAN													
1250.....	51.4	9/30	2.0	37	1.0								
2200.....	44.9	9/22	1.8	35	1.0								
9240R.....	47.2	9/28	2.7	36	1.0	59.3	9/30	2.4	38	1.0			
CFS													
22.....	43.6	9/21	3.2	37	1.0	54.1	9/28	2.3	43	1.0			
23.....	47.9	9/27	2.7	37	1.0								
DAIRYLAND													
DSR-207.....	45.7	9/20	3.0	34	1.0								
DSR-227.....	47.6	9/26	3.7	40	1.0								
DSR-232.....	44.9	9/24	3.2	37	1.0								
DIENER BROS.													
DB210.....	48.1	9/23	2.2	36	1.0	60.5	9/26	1.4	39	1.0			
FFR													
1518.....	43.0	9/23	2.0	37	1.0								
FS EXP HISOY													
219.....	46.4	9/20	3.7	34	1.0								
221.....	44.5	9/23	2.7	36	1.0								
226.....	47.0	9/20	2.8	34	1.0								
228.....	48.5	9/18	3.5	35	1.0								
288.....	47.1	9/27	2.0	37	1.0								
FS HISOY													
HS 220.....	40.1	9/11	2.7	34	1.0	46.0	9/20	1.5	39	1.0			
HS 235.....	46.9	9/24	4.2	37	1.0	53.1	9/29	2.9	42	1.0			
HS 265.....	45.3	9/25	2.0	36	1.0	58.6	9/29	1.2	39	1.0			
225.....	41.2	9/23	3.0	37	1.0	51.6	9/24	2.0	37	1.0	44.5	1.0	1.0
280.....	47.5	9/28	2.2	37	1.0	60.2	10/01	2.6	38	1.0			
FUNK													
G-3236.....	39.7	9/19	3.3	35	1.0	49.9	9/24	1.6	36	1.0			
12042.....	38.5	9/16	4.5	35	1.0	52.4	9/22	2.3	39	1.0			
HENKEL SEEDS													
SUPER SOY 444.....	43.7	9/23	2.7	38	1.0								
SUPER SOY 450.....	47.5	9/27	2.8	39	1.0								
SUPER SOY 540.....	39.9	9/22	2.0	39	1.0								
SUPER SOY 544.....	44.9	9/23	2.7	38	1.0								
SUPER SOY 594.....	41.3	9/22	2.8	38	1.0								
SUPER SOY 682.....	47.3	9/29	3.0	37	1.0								
J M SCHULTZ													
EXP. 2382.....	48.6	9/26	2.8	36	1.0								
SHAWNEE II.....	48.4	9/22	2.8	35	1.0								
SHAWNEE.....	46.0	9/24	2.8	41	1.0								

ELWOOD (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
LEWIS													
20.....	56.6	9/27	3.2	39	1.0								
23.....	40.4	9/28	2.2	37	1.0								
MCALLISTER													
82-2.....	49.5	9/25	2.5	36	1.0								
MCCUBBIN													
LED II.....	45.0	9/30	3.2	39	1.0								
LYON.....	42.9	9/22	2.2	34	1.0								
SHILOH.....	47.4	9/27	2.3	36	1.0								
1X-124.....	52.8	9/27	2.2	37	1.0								
MERSCHMAN													
CHEYENNE.....	51.5	9/27	3.0	36	1.0								
SHAWNEE II.....	47.6	9/23	2.8	38	1.0								
MIGRO													
HP20-20.....	44.8	9/13	4.2	28	1.0	51.9	9/20	2.3	34	1.0	38.3	3.5	1.0
HP2530.....	42.7	9/23	2.8	40	1.0	51.7	10/01	1.6	37	1.0			
NAPB													
EX 1090.....	41.9	9/22	3.0	31	1.0								
EX 3100.....	45.7	9/21	2.7	33	1.0								
NOBLE													
NB 2100.....	45.8	9/21	2.3	42	1.0								
NB 2600.....	47.2	9/25	2.3	35	1.0								
NORTHRUP-KING													
MV24-59.....	47.4	9/24	3.5	35	1.0								
S1492.....	48.8	9/21	3.3	34	1.0	59.7	9/29	2.0	37	1.0	48.4	1.0	1.0
S2596.....	47.2	9/24	3.0	33	1.0	54.6	9/26	1.8	37	1.0	45.3	1.0	1.0
PFIZER GENETICS													
CX276.....	43.0	9/27	3.8	41	1.0	52.2	9/25	2.4	41	1.0	48.4	2.0	1.0
CX290.....	40.8	9/23	3.0	40	1.0	47.3	9/26	1.3	44	1.0	38.4	1.0	1.0
2ER-75.....	41.6	9/22	3.0	38	1.0	51.1	9/21	1.8	40	1.0	44.0	1.0	1.0
PRIDE													
EX. 119403.....	51.7	9/15	2.8	34	1.0								
RIVERSIDE													
4041.....	43.1	9/23	1.7	37	1.0								
4042.....	44.4	9/19	3.0	36	1.0	54.5	9/25	1.7	40	1.0	35.1	2.0	1.0
4044.....	45.7	9/21	3.7	35	1.0								
4045.....	48.0	9/23	2.7	38	1.0								
SRF													
250.....	46.2	9/25	1.7	39	1.0	51.4	9/29	1.2	40	1.0	30.0	1.0	1.0
STINE													
2050.....	52.1	9/28	1.8	36	1.0								
TRISLER													
TRISOY 201.....	43.2	9/22	4.0	37	1.0								
TRISOY 211.....	45.1	9/24	2.8	39	1.0								
TRISOY 260.....	46.4	9/23	2.2	40	1.0								
VORIS													
247.....	46.9	9/21	1.3	29	1.0	51.6	9/23	1.1	31	1.0	47.5	1.0	1.0
257.....	42.9	9/26	3.3	38	1.0								
285.....	44.9	9/28	3.3	41	1.0	50.6	10/03	2.3	49	1.0	45.8	3.0	1.0
295.....	47.6	9/29	3.0	44	1.0	48.7	10/03	3.0	50	1.0	43.3	1.7	1.0
VR													
BURR.....	43.2	9/29	2.5	40	1.0								
AVERAGE (GROUPS I & II) ..	45.3	..	2.8	36	1.0	52.1	..	1.7	39	1.0	41.3	1.5	1.0
L.S.D. 10% LEVEL.....	5.4	..	0.7	3	0.0	7.3	..	..	1	..	..	..	..
L.S.D. 30% LEVEL.....	3.4	..	0.5	2	0.0	4.6	..	..	1	..	..	..	..
STD ERR OF MEAN.....	2.3	..	0.3	1	0.0	3.1	..	..	0	..	3.8	..	..

MATURITY GROUP III

PUBLIC VARIETY													
CUMBERLAND.....	35.4	9/26	2.8	40	1.0	51.5	10/01	1.3	38	1.0	37.2	2.0	1.0
ELF.....	49.7	*	2.2	21	1.0	52.5	*	1.1	20	1.0			
FAYETTE.....	47.0	*	2.3	41	1.0								
HOBBIT.....	46.3	10/02	2.5	22	1.0								
PELLA.....	35.3	9/26	1.8	42	1.0	48.6	10/01	1.3	42	1.0			
SPRITE.....	48.2	10/03	3.3	21	1.0	51.2	*	1.3	30	1.0			
WILLIAMS 79.....	42.7	*	3.0	43	1.0	46.0	*	1.5	46	1.0			
WILLIAMS 82.....	39.3	*	2.2	44	1.0								
WILL.....	40.3	10/02	2.0	38	1.0	51.7	*	1.4	36	1.0			
AGRIPRO													
AF250.....	45.1	9/29	2.5	40	1.0	45.2	10/01	1.4	44	1.0			
AGRO-SOY													
46+.....	38.4	10/01	3.3	38	1.0								
47.....	41.4	10/03	3.7	39	1.0	51.5	10/03	2.4	40	1.0			
AMERICANA													
XK585.....	31.3	9/27	3.2	39	1.0								
ASGROW													
A3127.....	47.7	10/02	1.7	38	1.0	58.1	10/03	1.2	44	1.0	40.3	1.0	1.0

* KILLED BY FROST.

ELWOOD (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
CFS													
31.....	43.2	10/02	4.0	41	1.0	49.3	10/02	2.1	39	1.0			
34.....	34.9	9/29	2.3	39	1.0	48.7	*	1.6	46	1.0			
DAIRYLAND													
DSR-352.....	32.7	9/28	2.7	38	1.0								
DIENER BROS.													
DB310.....	35.0	9/24	2.7	40	1.0	52.3	10/03	1.5	41	1.0			
DB340.....	37.1	*	2.5	40	1.0	45.1	*	1.4	41	1.0			
FUNK													
G-3340.....	35.3	9/28	3.2	38	1.0	46.5	10/02	1.8	39	1.0	29.2	1.6	1.0
J M SCHULTZ													
WASHINGTON V.....	41.4	10/02	3.2	41	1.0								
MCALLISTER													
82-3.....	39.8	10/03	2.7	41	1.0								
MCCUBBIN													
TROY.....	37.0	9/29	2.7	40	1.0								
MERSCHMAN													
TRUMAN.....	40.3	9/26	2.8	39	1.0								
WASHINGTON V.....	44.0	9/29	3.7	39	1.0								
PRIDE													
B352.....	41.3	10/02	4.0	38	1.0								
RIVERSIDE													
3036.....	38.7	9/23	2.0	39	1.0								
VORIS													
339.....	34.5	10/01	2.8	39	1.0						36.5	2.5	1.0
AVERAGE.....	40.1	..	2.8	38	1.0	48.9	..	1.7	40	1.0	30.8	2.1	1.0
L.S.D. 10% LEVEL.....	4.7	..	0.5	3	0.0	..	..	..	4	..	10.3	..	..
L.S.D. 30% LEVEL.....	3.0	..	0.3	2	0.0	..	..	..	3	..	6.4	..	..
STD ERR OF MEAN.....	2.0	..	0.2	1	0.0	3.3	..	..	2	..	4.2	..	..

* KILLED BY FROST.

**Soybean Variety Trial Results
ELWOOD (7-INCH ROW SPACING)**

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP I													
PUBLIC VARIETY													
HARDIN.....	54.0	9/14	3.5	33	1.0	44.2	9/23	1.4	28	1.0			
ASGROW													
A1937.....	52.8	9/12	1.5	30	1.0								
SRF													
74-7272 EXP.....	55.7	9/24	2.5	36	1.0								
MATURITY GROUP II													
PUBLIC VARIETY													
AMSOY 71.....	53.3	9/22	2.0	38	1.0	48.2	9/26	1.4	35	1.0			
BEESON 80.....	48.4	9/24	2.8	36	1.0	48.2	9/28	1.5	19	1.0			
CENTURY.....	52.4	9/26	1.7	37	1.0	52.8	9/28	1.1	34	1.0			
CORSOY 79.....	55.3	9/22	3.3	35	1.0	49.1	9/26	1.9	27	1.0			
GNDME.....	58.2	10/03	1.0	19	1.0	46.5	10/03	1.1	26	1.0			
NEBSOY.....	47.4	9/21	1.3	31	1.7	37.3	9/30	1.3	28	1.0			
WELLS II.....	54.9	9/17	1.8	37	1.0	44.4	9/25	1.2	31	1.0			
AGRIPRO													
AP200.....	52.7	9/15	2.0	31	1.0	47.4	9/23	1.5	30	1.0	66.6	1.0	1.0
AP225C.....	41.3	9/18	1.3	28	1.0	48.5	9/23	1.3	32	1.0	59.1	1.0	1.0
AP 230.....	45.1	9/18	1.5	34	1.0								
AGRO-SOY													
31.....	51.3	9/25	2.0	34	1.0								
AMERICANA													
YANKEE.....	53.4	9/25	2.8	40	1.0								
ASGROW													
A2575.....	56.3	9/14	1.3	31	1.0	46.4	9/25	1.2	31	1.0	63.7	1.0	1.0
A2680.....	48.9	9/14	2.7	37	1.0								
A2858.....	44.5	9/20	2.3	34	1.0	50.8	10/01	1.3	27	1.0			
BELLATTI													
EXP R-77-84.....	46.7	9/25	2.7	38	1.0	44.0	9/30	1.3	34	1.0			
CALLAHAN													
1250.....	53.4	9/27	1.3	31	1.0								
2200.....	53.1	9/19	1.8	35	1.0								
9240R.....	53.8	9/26	1.3	34	1.0	55.0	10/02	1.2	32	1.0			
DAIRYLAND													
DSR-207.....	48.2	9/22	1.8	31	1.0								
DSR-227.....	56.6	9/25	2.3	35	1.0								
DSR-232.....	43.9	9/23	1.7	34	1.0								
DIENER BROS.													
DB210.....	56.8	9/24	1.8	34	1.0	53.0	9/29	1.2	32	1.0			
FS EXP HISOY													
226.....	68.1	9/21	1.7	32	1.0								
FS HISOY													
HS 220.....	47.8	9/14	1.5	34	1.0	41.1	9/21	1.2	28	1.0			
HS 235.....	61.8	9/25	3.0	35	1.0								
HS 265.....	50.0	9/19	1.7	34	1.0	58.2	10/01	1.2	30	1.0			
225.....	56.7	9/23	2.3	36	1.0	42.8	9/27	1.4	29	1.0			
280.....	50.1	9/27	1.7	34	1.0	51.8	10/04	1.1	34	1.0			
FUNK													
G-3236.....	50.6	9/21	1.8	35	1.0	47.1	9/29	1.2	23	1.0			
12042.....	53.3	9/16	3.2	36	1.0								
HENKEL SEEDS													
SUPER SOY 450.....	52.1	9/26	2.0	33	1.0								
SUPER SOY 540.....	55.7	9/17	1.8	37	1.0	43.3	10/01	1.3	31	1.0			
SUPER SOY 544.....	50.9	9/22	2.5	35	1.0	43.8	9/30	1.3	38	1.0			
SUPER SOY 594.....	54.6	9/23	2.8	36	1.0								
SUPER SOY 682.....	63.0	10/02	2.2	42	1.0								
JACQUES													
105.....	54.9	9/25	1.3	29	1.0								
J M SCHULTZ													
SHAWNEE II.....	50.0	9/25	1.5	29	1.0								
SHAWNEE.....	64.4	9/24	2.0	38	1.0								
LEWIS													
27.....	41.1	9/23	2.3	34	1.0								
MCALLISTER													
8133.....	49.1	9/17	2.2	33	1.0								
82-2.....	49.9	9/28	1.5	31	1.0								
MCCUBBIN													
LYON.....	62.8	9/22	2.0	36	1.0								
SHILOH.....	54.2	9/26	1.8	34	1.0								
1X-124.....	60.6	9/30	1.5	31	1.0								
MERSCHMAN													
CHEYENNE.....	58.7	9/24	1.7	30	1.0								
SHAWNEE II.....	57.7	9/24	2.0	40	1.0						67.5	1.0	1.0

ELWOOD (7-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MIGRO													
HP20-20.....	52.6	9/16	2.0	30	1.0	50.4	9/21	1.2	36	1.0	63.3	1.0	1.0
HP2530.....	54.6	9/23	1.8	36	1.0	49.7	10/03	1.3	28	1.0			
NOBLE													
NB 2600.....	51.2	9/23	1.7	34	1.0								
NORTHRUP-KING													
MV24-59.....	57.2	9/25	1.5	32	1.0								
S1492.....	59.6	9/17	2.2	33	1.0	54.0	9/25	1.3	36	1.0	70.4	1.0	1.0
S2596.....	56.6	9/19	2.0	31	1.0	45.6	9/26	1.3	33	1.0	67.4	1.0	1.0
PFIZER GENETICS													
CX276.....	53.1	9/22	2.7	41	1.0	46.0	10/01	1.8	33	1.0	71.3	1.0	1.0
2ER-75.....	55.4	9/17	2.2	36	1.0	49.0	9/24	1.3	37	1.0	69.3	1.0	1.0
RIVERSIDE													
4041.....	49.6	9/22	1.2	29	1.0								
4042.....	48.6	9/19	2.5	34	1.0	49.4	9/28	1.4	34	1.0	64.1	1.0	1.0
SRF													
250.....	39.4	9/27	1.0	33	1.0	51.3	10/01	1.1	30	1.0	69.2	1.0	1.0
VORIS													
247.....	50.3	9/18	1.3	26	1.0	46.1	10/01	1.1	26	1.0			
257.....	36.3	9/17	2.5	34	1.0								
VR													
BURR.....	40.4	9/27	1.7	33	1.0								
AVERAGE (GROUPS I & II) ..	52.5	..	2.0	34	1.0	47.4	..	1.1	31	1.0	62.9	1.0	1.0
L.S.D. 10% LEVEL.....	7.5	..	0.9	5	..	6.7	..	..	1	..	..	..	..
L.S.D. 30% LEVEL.....	4.7	..	0.5	3	..	4.2	..	..	0	..	..	..	..
STD ERR OF MEAN.....	3.2	..	0.4	2	0.1	2.9	..	..	0	..	5.3	..	..
Maturity Group III													
PUBLIC VARIETY													
CUMBERLAND.....	29.0	9/28	2.0	31	1.0	46.4	*	1.4	32	1.0			
ELF.....	44.7	*	1.0	22	1.0	39.1	*	1.1	20	1.0	34.7	1.0	1.0
FAYETTE.....	53.0	*	2.0	42	1.0								
HOBBIT.....	42.8	10/03	1.0	24	1.0								
PELLA.....	32.0	9/29	1.5	31	1.0	48.6	*	1.2	31	1.0			
SPRITE.....	57.9	10/02	1.7	26	1.0	36.4	*	1.0	16	1.0			
WILLIAMS 79.....	56.1	10/03	1.8	36	1.0	51.0	*	1.4	39	1.0			
WILLIAMS 82.....	38.5	10/03	2.3	40	1.0								
WILL.....	34.6	10/02	1.5	33	1.0	46.2	*	1.1	38	1.0	62.1	1.0	1.0
AGRO-SOY													
46+.....	44.8	9/29	2.0	36	1.0								
47.....	58.0	9/27	2.3	34	1.0								
AMERICANA													
LITTLE GIANT.....	13.0	9/30	1.0	25	1.0								
ASGROW													
A3127.....	57.6	9/29	1.3	35	1.0	54.7	*	1.1	36	1.0			
DAIRYLAND													
DSR-352.....	33.3	10/01	1.8	30	1.0								
FUNK													
G-3340.....	41.1	9/27	2.0	28	1.0								
J M SCHULTZ													
WASHINGTON V.....	42.4	9/29	1.8	33	1.0								
LEWIS													
37.....	37.0	9/28	1.7	34	1.0								
MCALLISTER													
8156.....	44.5	*	1.2	32	1.0								
82-3.....	46.8	10/03	2.5	39	1.0								
MERSCHMAN													
TRUMAN.....	41.7	9/28	2.2	31	1.0								
VORIS													
339.....	35.2	9/29	1.8	36	1.0	48.9	*	1.6	37	1.0			
AVERAGE.....	42.1	..	1.7	32	1.0	45.8	..	1.3	32	1.0	50.3	1.0	1.0
L.S.D. 10% LEVEL.....	9.4	..	..	6	0.0	4.5	..	..	.	..	8.1	..	..
L.S.D. 30% LEVEL.....	5.9	..	..	4	0.0	2.8	..	..	.	..	4.8	..	..
STD ERR OF MEAN.....	3.9	..	0.4	3	0.0	1.9	..	..	.	..	3.0	..	..

* KILLED BY FROST.

Soybean Variety Trial Results
MACOMB (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP II													
PUBLIC VARIETY													
AMSOY 71.....	43.4	9/14	2.7	37	2.0	1980 RESULTS FOR GROUP II HAVE BEEN OMITTED BECAUSE TESTS WERE UNREPLICATED					45.4	2.5	2.0
BEESON 80.....	45.6	9/17	2.3	35	1.7								
CENTURY.....	49.6	9/24	2.7	34	1.7								
CORSOY 79.....	41.9	9/14	3.2	35	2.0								
GNOME.....	49.6	9/28	1.2	15	1.0								
NEBSOY.....	44.6	9/28	1.8	32	1.3								
WELLS II.....	47.5	9/14	2.0	35	2.0								
AGRIPRO													
27.....	46.8	9/24	2.3	33	1.0						50.5	1.5	1.0
AGRO-SOY													
31.....	52.1	9/28	2.0	41	1.7								
AG-SEEDS													
7250.....	52.0	9/28	2.3	42	1.0	47.3	2.5	2.0					
AMERICANA													
CLINTON.....	55.9	9/24	2.0	36	1.0								
YANKEE.....	54.1	9/21	2.3	39	1.3								
ASGROW													
A2575.....	46.7	9/14	2.2	36	1.7	48.2	1.4	2.0					
A2656.....	46.8	9/17	2.3	34	2.0	44.3	2.8	3.0					
A2680.....	46.0	9/14	3.0	33	2.0								
A2858.....	53.3	9/21	2.2	31	2.0								
CFS													
22.....	44.5	9/14	2.5	36	2.0								
23.....	52.5	9/28	2.3	30	2.0								
DAIRYLAND													
DSR-207.....	48.2	9/14	2.7	30	1.3								
DSR-227.....	51.7	9/21	2.3	38	1.7								
DSR-232.....	54.4	9/24	2.8	37	1.3								
DE SOY													
747E.....	45.5	9/14	2.7	35	2.0								
750.....	52.1	9/21	2.0	32	2.0								
777A.....	53.3	9/21	2.0	35	1.7								
FFR													
2777.....	50.9	9/28	2.3	35	1.3								
FS EXP HISOY													
226.....	44.1	9/21	2.5	29	2.0								
228.....	45.5	9/24	2.2	31	2.0								
288.....	51.7	9/28	2.2	35	1.7								
FS HISOY													
HS 235.....	53.0	9/17	2.8	39	1.7								
HS 265.....	46.7	9/28	2.0	34	1.7								
225.....	45.0	9/17	2.7	36	2.0	40.6	2.8	2.0					
280.....	50.5	9/28	2.3	31	1.7								
295.....	51.7	10/01	2.7	42	1.0	44.7	2.0	1.0					
FUNK													
G-3236.....	48.4	9/21	2.5	33	1.3								
12042.....	46.8	9/17	2.2	30	2.0								
GEO. KELLER & SONS CO.													
K-915.....	50.0	9/21	2.0	33	2.0								
GOLD TAG													
1250.....	49.3	9/21	2.3	35	2.0	34.9	1.3	4.0					
1270.....	48.7	9/28	2.2	33	2.0								
J M SCHULTZ													
EXP. 2382.....	49.0	9/21	2.3	33	2.0								
SHAWNEE II.....	49.2	9/17	2.3	40	1.3								
SHAWNEE.....	52.7	9/28	2.0	34	1.3								
KITCHEN													
KSC 180.....	49.0	9/14	1.8	30	2.0								
KRUGER													
K-2010A.....	53.4	9/21	1.8	32	2.0								
K-2120.....	50.6	9/21	1.8	33	2.0								
K-2205.....	53.5	9/24	2.2	36	1.0	44.8	1.3	1.0					
LANDERS													
2908.....	48.9	9/21	2.2	32	2.0								
LEWIS													
21.....	55.6	9/28	2.2	35	1.0	49.8	1.7	1.0					
22B.....	49.3	9/28	2.2	37	2.0								
MCALLISTER													
82-2.....	53.4	9/24	2.2	31	2.0								
MCCUBBIN													
LEO II.....	55.8	9/28	3.0	37	1.0								
LYON.....	44.2	9/17	2.5	33	2.0								
SHILOH.....	54.2	9/21	2.3	34	1.3								
1X-124.....	52.8	9/21	2.2	30	2.0								
MERSCHMAN													
CHEYENNE.....	50.5	9/28	2.2	32	2.0								
NAVAHO II.....	47.6	9/28	2.0	37	1.3								
SAUK.....	54.0	9/28	2.5	31	1.7	43.7	1.2	1.0					
SHAWNEE II.....	51.8	9/17	2.2	35	1.7	47.2	1.4	2.0					

MACOMB (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS				
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING		
MIGRO						1980 RESULTS FOR GROUP II									
HP2530.....	53.8	9/17	2.3	36	2.3	HAVE BEEN OMITTED BECAUSE TESTS									
NAPB						WERE UNREPLICATED									
EX 163.....	47.3	9/14	2.7	35	1.7						51.4	2.3	3.0		
EX 229.....	50.2	9/21	2.0	34	1.3										
NORTHROP-KING															
S1492.....	52.4	9/14	2.5	36	2.3										
S2596.....	51.7	9/14	1.7	31	1.0										
PFIZER GENETICS															
CX290.....	45.6	9/24	2.3	35	1.0						41.8	1.4	1.0		
2ER-75.....	46.8	9/17	2.0	35	2.0										
PRIDE															
B216.....	53.6	9/28	2.8	38	2.0						38.8	1.4	2.0		
RIVERSIDE															
4041.....	48.9	9/14	1.7	31	1.7										
4042.....	50.6	9/17	2.5	36	2.0										
4044.....	48.4	9/14	2.5	37	2.0										
4045.....	54.6	9/14	1.8	38	2.0										
SHISSLER															
GR-8 263.....	47.3	9/24	2.0	33	1.3										
GR-8 265.....	50.2	9/28	2.0	41	1.7										
SUPERSOY															
450.....	49.9	9/28	2.5	37	2.0										
460A.....	54.7	9/28	2.7	38	1.3										
465.....	50.1	9/28	2.2	42	1.7										
S BRAND															
S 43.....	53.2	9/21	2.0	32	2.0										
S 46B.....	50.9	9/24	2.5	36	1.3										
S 47B.....	50.1	9/28	2.3	34	1.7										
S 47.....	54.0	9/21	2.2	32	1.7										
AVERAGE.....	50.0	..	2.3	34	1.7						44.1	1.9	1.8		
L.S.D. 10% LEVEL.....	5.8	..	0.5	6	0.5						4.9	..	..
L.S.D. 30% LEVEL.....	3.6	..	0.3	4	0.3						3.1	..	..
STD ERR OF MEAN.....	2.5	..	0.2	2	0.2						2.1	..	..
MATURITY GROUP III															
PUBLIC VARIETY						1980 RESULTS FOR GROUP III									
CUMBERLAND.....	50.9	10/01	2.7	36	1.0	HAVE BEEN OMITTED BECAUSE TESTS							46.6	2.4	1.0
ELF.....	54.4	10/01	1.2	17	1.0	WERE UNREPLICATED							46.9	1.7	1.0
HOBBIT.....	61.9	9/28	1.0	16	1.0										
PELLA.....	47.6	9/24	2.0	39	1.0										
SPRITE.....	53.2	9/28	1.0	18	1.0										
WILLIAMS 79.....	56.3	10/01	2.3	42	1.0										
WILL.....	54.4	9/28	1.7	34	1.0										
AGRIPRO															
AF250.....	53.6	9/21	2.5	42	1.3						46.6	1.7	1.0		
25.....	51.6	9/28	2.2	37	1.0						46.3	2.0	2.0		
AGRO-SOY															
46+.....	54.7	9/28	2.3	39	1.0										
47.....	56.7	9/28	3.0	37	1.0										
AG-SEEDS															
KING.....	61.7	10/01	2.2	43	1.0										
AMERICANA															
B268.....	49.4	10/01	2.7	39	1.0										
REBEL.....	59.2	10/01	3.2	38	1.0										
XK262.....	47.6	9/28	2.8	40	1.3						49.9	2.6	1.0		
XK585.....	50.3	9/28	2.7	41	1.3						48.7	1.8	1.0		
ASGROW															
A3127.....	56.5	9/24	2.0	38	1.0						52.5	1.7	1.0		
A3659.....	61.3	9/28	2.2	37	1.0										
CFS															
31.....	49.3	9/28	2.8	41	1.0										
34.....	53.8	9/28	2.0	37	1.0										
DAIRYLAND															
DSR-352.....	54.9	10/01	2.5	36	1.0										
DE SOY															
800.....	54.5	9/24	2.3	39	1.0										
850A.....	56.6	9/28	2.0	40	1.3										
875.....	59.7	9/28	1.8	40	1.0						51.0	1.5	1.0		
880.....	54.7	9/28	2.7	41	1.0						50.8	2.1	1.0		
FFR															
2515.....	48.3	10/01	2.3	38	1.0										
3728.....	49.2	10/01	2.5	41	1.0										
FS EXP HISOY															
321.....	54.4	9/28	2.8	37	1.0										
322.....	63.3	10/01	2.3	40	1.0										
360.....	57.2	10/05	2.5	45	1.0										

MACOMB (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
FS HISDY						1980 RESULTS FOR GROUP III HAVE BEEN OMITTED BECAUSE TESTS WERE UNREPLICATED							
320.....	55.0	9/28	3.0	40	1.0						47.6	1.8	1.0
325.....	53.1	9/28	2.8	39	1.0						49.2	1.6	1.0
340.....	56.9	9/28	2.7	43	1.0						47.8	2.3	1.0
350.....	55.6	10/01	2.0	42	1.0								
FUNK													
G-3340.....	54.5	9/28	2.7	42	1.0								
GEO. KELLER & SONS CO.													
GRANT.....	59.7	9/28	3.0	40	1.0								
K-910.....	58.0	10/01	2.2	39	1.0								
GOLD TAG													
1310.....	55.3	9/28	2.2	40	1.0						43.9	1.7	1.0
1330.....	49.9	9/24	2.3	36	1.3								
1340.....	54.2	9/24	2.8	37	1.0								
1380.....	53.6	10/08	2.3	41	1.0								
J H SCHULTZ													
EXP. 3482.....	57.2	9/28	2.2	36	1.0								
WASHINGTON V.....	51.9	10/01	3.2	41	1.0								
KITCHEN													
KSC 378.....	56.0	9/17	2.3	40	2.0								
KSC 380.....	58.3	10/01	2.3	38	1.0								
KSC 383.....	55.1	10/01	3.0	32	1.0								
KRUGER													
KB-310.....	59.0	9/28	2.5	38	1.0								
KB-320.....	59.7	9/28	2.3	39	1.0								
KB-360.....	53.9	9/24	2.7	36	1.0								
K-3015A.....	53.8	9/28	3.2	37	1.0								
K-3035.....	66.7	10/01	2.5	38	1.0								
K-3140.....	52.0	9/28	2.5	38	1.0								
LANDERS													
3310.....	53.0	9/28	2.2	40	1.0								
3710.....	51.7	10/01	2.5	34	1.0								
3712.....	54.7	10/01	2.2	40	1.0						51.8	2.5	2.0
LEWIS													
31.....	63.9	10/01	2.5	50	1.0						47.4	2.4	1.0
33B.....	57.8	9/28	2.3	38	1.0								
37.....	54.7	9/24	2.2	36	1.0								
38.....	55.6	10/01	2.8	41	1.0								
MCALLISTER													
82-3.....	53.8	10/01	2.5	39	1.0								
MCCUBBIN													
TROY.....	56.1	9/28	2.3	42	1.0								
MERSCHMAN													
JEFFERSON III.....	53.1	9/28	2.7	31	1.0								
JEFFERSON II.....	55.3	9/28	2.2	40	1.0						48.8	2.1	1.0
KENNEDY.....	55.4	9/28	2.2	38	1.0						48.1	1.7	1.0
TRUMAN.....	57.4	9/28	2.3	35	1.3								
WASHINGTON V.....	58.1	9/28	2.8	40	1.0						47.0	2.0	2.0
MIGRO													
HP3700.....	54.1	10/01	2.5	42	1.0								
NAPB													
EX 8043.....	52.9	9/28	2.5	38	1.3								
NORTHROP-KING													
MV32-67.....	44.0	9/28	2.8	39	1.0								
PFIZER GENETICS													
CX321.....	53.8	9/28	2.5	38	1.3								
CX380.....	59.1	10/01	2.3	44	1.0								
PRIDE													
B352.....	53.5	9/28	2.8	37	1.0								
RIVERSIDE													
202R.....	53.4	9/28	1.8	37	1.0								
2022.....	52.0	10/01	2.2	37	1.0								
3036.....	47.8	9/21	2.0	37	2.0								
SHISSLER													
GR-8 367.....	55.0	9/28	2.0	39	1.0								
SRF													
MATSOY.....	55.8	9/28	2.8	43	1.0						45.9	2.9	1.0
350P.....	49.2	10/01	2.7	38	1.3								
STINE													
3010.....	63.7	10/01	2.3	39	1.0								
SUPERSOY													
470.....	54.3	10/01	2.3	45	1.0								
482.....	50.1	9/28	2.2	34	1.0								
S BRAND													
S 50A.....	53.0	9/24	2.3	37	1.0								
S 51.....	56.7	9/28	3.2	36	1.0								
S 52A.....	51.7	9/28	2.5	37	1.0								
S 56.....	57.0	10/01	2.3	39	1.0								
S 60B.....	59.8	10/01	2.3	35	1.0								
AVERAGE.....	54.9	..	2.4	38	1.1						47.2	2.0	1.2
L.S.D. 10% LEVEL.....	7.4	..	0.5	5	0.2						..	..	..
L.S.D. 30% LEVEL.....	4.7	..	0.3	3	0.2						..	..	..
STD ERR OF MEAN.....	3.2	..	0.2	2	0.1						2.3	..	..

MACOMB (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP IV													
AGRIPRO													
35.....	48.6	10/01	2.8	45	1.0						48.6	1.8	1.0
AMERICANA													
CONCORD.....	42.1	10/01	3.2	46	1.0	31.6	10/02	1.6	46	1.0			
REVERE.....	37.4	10/01	3.3	43	1.0								
LANDERS													
4516.....	40.6	10/05	3.5	44	1.0	29.9	10/02	1.5	40	2.0	44.4	1.3	1.0
4920.....	45.3	10/05	3.5	47	1.0								
MCCUBBIN													
ALBANY.....	45.6	10/05	3.0	43	1.0								
CARSON.....	44.1	10/08	3.5	48	1.0								
4X-314.....	44.6	10/01	2.8	42	1.0								
MERSCHMAN													
CLEVELAND.....	41.9	10/01	3.3	43	1.0	28.3	9/29	1.9	42	2.0	45.0	1.9	1.0
RICHMOND.....	41.6	10/08	3.2	47	1.0	27.0	10/02	2.0	42	2.0	39.8	1.4	1.0
RIVERSIDE													
2024.....	53.0	10/01	2.7	45	1.0								
2025.....	38.4	10/01	3.2	42	1.0	32.8	9/25	1.4	44	2.0	39.4	1.3	1.0
AVERAGE.....	43.6	..	3.2	44	1.0	28.9	..	1.9	42	1.8	42.3	1.6	1.0
L.S.D. 10% LEVEL.....	..	..	0.4	.	0.0	3.3	..	..	.	..	4.8	..	..
L.S.D. 30% LEVEL.....	..	..	0.2	.	0.0	2.0	..	..	.	..	3.0	..	..
STD ERR OF MEAN.....	3.1	..	0.2	2	0.0	1.4	..	..	.	..	2.0	..	..

**Soybean Variety Trial Results
KILBOURNE, IRRIGATED (30-INCH ROW SPACING)**

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING
MATURITY GROUP II										
PUBLIC VARIETY										
AMSOY 71.....	49.8	9/05	1.7	37	1.0	31.1	+	1.1	36	1.0
BEESON 80.....	41.6	9/04	1.2	29	1.0	36.3	+	1.4	34	1.0
CENTURY.....	49.8	9/06	1.2	29	1.0	39.1	+	1.3	29	1.0
CORSOY 79.....	49.4	9/03	1.3	34	1.0	23.3	+	1.1	27	1.0
GNOME.....	37.1	9/13	1.0	16	1.0	11.4	9/18	1.0	10	1.0
NEBSOY.....	44.5	9/02	1.1	30	1.0	33.9	+	1.1	30	1.0
WELLS II.....	47.7	9/03	1.1	33	1.0	33.2	+	1.2	30	1.0
BELLATTI										
EXP R-77-84.....	40.8	9/04	1.4	32	1.0					
FS HISOY										
HS 265.....	57.3	9/12	1.1	31	1.0	46.5	+	1.1	34	1.0
280.....	51.8	9/12	1.2	32	1.0					
LEWIS										
20.....	51.2	9/06	1.4	32	1.0					
21.....	54.2	9/11	1.1	36	1.0	39.7	+	1.6	38	1.0
MCCURDY										
102+.....	48.1	9/04	1.2	33	1.0					
MERSCHMAN										
CHEYENNE.....	53.0	9/05	1.7	31	1.0					
SAUK.....	52.9	9/06	1.4	33	1.0					
SHAWNEE II.....	48.9	9/06	1.1	31	1.0	44.1	+	1.4	32	1.0
MIGRO										
HP2530.....	48.7	9/05	1.2	29	1.0					
PRIDE										
B216.....	48.0	9/03	1.2	29	1.0	42.3	+	1.6	30	1.0
B220.....	45.3	9/02	1.2	32	1.0	39.0	+	1.0	30	1.0
SHISSLER										
GR-8 263.....	58.8	9/13	1.2	37	1.0					
GR-8 265.....	50.4	9/05	1.1	37	1.0					
SRF										
250.....	34.4	9/06	1.0	32	1.0					
VORIS										
247.....	41.8	9/03	1.0	27	1.0	37.8	+	1.1	28	1.0
257.....	52.4	9/11	1.3	36	1.0					
285.....	60.5	9/12	1.8	42	1.0					
AVERAGE.....	48.7	..	1.2	32	1.0	36.4	..	1.4	32	1.0
L.S.D. 10% LEVEL.....	7.6	..	0.2	3	0.0	8.5	..	..	4	..
L.S.D. 30% LEVEL.....	4.8	..	0.1	2	0.0	5.3	..	..	3	..
STD ERR OF MEAN.....	3.2	..	0.1	1	0.0	3.6	..	..	2	..

+ MATURE BEFORE 9/18.

KILBOURNE, IRRIGATED (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING
MATURITY GROUP III										
PUBLIC VARIETY										
CUMBERLAND.....	62.9	9/15	1.8	38	1.0	35.2	9/21	1.0	34	1.3
ELF.....	53.1	9/19	1.0	20	1.0	37.6	9/30	1.0	9	1.0
FAYETTE.....	54.9	9/17	1.3	40	1.0					
HOBBIT.....	46.4	9/19	1.0	20	1.0					
PELLA.....	53.3	9/12	1.3	34	1.0	30.3	9/18	1.2	37	1.3
SPRITE.....	53.6	9/16	1.0	20	1.0	18.1	9/30	1.0	9	1.0
WILLIAMS 79.....	57.6	9/18	1.3	39	1.0	41.5	9/22	1.0	42	1.0
WILLIAMS 82.....	60.0	9/20	1.2	40	1.0					
WILL.....	56.2	9/12	1.7	32	1.0	24.1	9/21	1.0	22	1.1
FS HISOY										
320.....	62.1	9/13	2.8	36	1.0					
350.....	54.3	9/19	1.5	41	1.0					
LEWIS										
33B.....	58.3	9/13	1.7	36	1.0					
34.....	59.1	9/16	1.2	36	1.0					
37.....	58.3	9/13	1.5	35	1.0					
38.....	57.3	9/15	2.3	39	1.0					
MCCURDY										
ML3.....	59.9	9/14	1.7	39	1.0					
MERSCHMAN										
JEFFERSON III.....	49.8	9/15	1.3	32	1.0					
JEFFERSON II.....	64.5	9/13	1.5	36	1.0					
KENNEDY.....	64.3	9/12	1.5	37	1.0	26.4	9/19	1.3	39	3.0
TRUMAN.....	59.7	9/14	1.3	37	1.0					
WASHINGTON V.....	62.5	9/13	2.8	38	1.0					
MIGRO										
HP3700.....	58.7	9/19	1.0	38	1.0					
RIVERSIDE										
202R.....	56.3	9/18	1.3	39	1.0					
2022.....	61.0	9/17	1.3	38	1.0					
SHISSLER										
GR-8 367.....	47.1	9/14	1.0	29	1.0					
SRF										
350P.....	60.5	9/20	1.3	41	1.0					
VORIS										
339.....	54.5	9/14	1.5	39	1.0	39.0	9/24	1.1	41	2.0
MATURITY GROUP IV										
HELENA										
STEVENS.....	58.5	9/24	1.5	48	1.0					
MERSCHMAN										
CLEVELAND.....	58.8	9/19	1.5	41	1.0					
RICHMOND.....	53.3	9/23	1.2	40	1.0	29.8	10/30	1.1	38	1.0
RIVERSIDE										
2024.....	58.7	9/16	1.3	39	1.0					
2025.....	61.7	9/22	1.5	48	1.0	32.0	9/28	1.0	40	2.0
AVERAGE (GROUPS III & IV)										
AVERAGE (GROUPS III & IV)	57.2	..	1.5	36	1.0	31.4	..	..	36	..
L.S.D., 10% LEVEL.....	8.6	..	0.5	3	0.0	5.8	..	..	4	..
L.S.D., 30% LEVEL.....	5.4	..	0.3	2	0.0	3.6	..	..	2	..
STD ERR OF MEAN.....	3.6	..	0.2	1	0.0	2.5	..	..	2	..

Soybean Variety Trial Results
URBANA (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
Maturity Group II													
PUBLIC VARIETY													
AMSOY 71.....	50.2	9/16	2.8	46	1.0	35.0	9/15	1.1	37	1.0	57.7	1.6	1.0
BEESON 80.....	50.8	9/14	2.8	41	1.0	37.3	9/16	1.0	34	2.0			
CENTURY.....	58.3	9/16	3.0	42	1.0	35.0	9/14	1.0	33	1.0			
CORSOY 79.....	52.9	9/11	3.0	44	1.0	35.4	9/16	1.7	38	1.0			
GNOME.....	58.5	9/26	1.2	21	1.0	39.0	9/18	1.0	23	1.0			
NEBSOY.....	51.4	9/13	1.8	41	1.0	36.9	9/11	1.0	30	1.0			
WELLS II.....	47.7	9/11	3.2	42	1.0	32.8	9/16	1.0	37	2.0			
AGRO-SOY													
31.....	66.2	9/19	3.0	41	1.0	43.6	9/15	1.0	37	1.0			
AG-SEEDS													
7250.....	54.9	9/25	3.7	48	1.0	31.5	9/22	1.2	45	1.0	56.6	1.4	1.0
AMERICANA													
YANKEE.....	57.0	9/18	2.8	45	1.0								
ASGROW													
A2575.....	59.0	9/11	2.3	45	1.0	35.3	9/11	1.0	33	2.0	55.4	1.4	1.0
A2656.....	56.9	9/11	2.5	48	1.0	32.8	9/13	1.0	35	2.0	52.7	2.0	1.0
A2680.....	59.1	9/16	3.2	44	1.0								
A2858.....	61.1	9/17	3.3	38	1.0	34.8	9/19	1.1	33	1.0			
BELLATTI													
EXP R-77-84.....	52.4	9/15	2.5	45	1.0	36.1	9/12	1.2	37	1.0			
BUTZOW													
SC226.....	49.6	9/15	3.0	42	1.0								
CALLAHAN													
C5280.....	59.2	9/25	3.3	45	1.0								
1250.....	54.9	9/20	2.7	39	1.0								
9240R.....	66.0	9/17	3.0	46	1.0								
CFS													
22.....	51.8	9/14	2.3	47	1.0	34.5	9/14	1.0	34	2.0			
23.....	62.3	9/17	3.2	42	1.0								
DAIRYLAND													
DSR-207.....	56.4	9/13	2.8	41	1.0	38.7	9/13	1.0	32	1.0	48.6	1.4	1.0
DSR-227.....	56.0	9/20	2.5	46	1.0								
DSR-232.....	53.1	9/17	2.8	45	1.0	41.1	9/16	1.3	40	1.0	55.9	2.2	1.0
DE SOY													
675.....	61.2	9/16	2.7	43	1.0								
747E.....	53.0	9/11	2.5	48	1.0								
750.....	57.8	9/17	2.7	44	1.0	44.1	9/17	1.1	36	1.0			
777A.....	63.0	9/20	2.7	45	1.0								
DIENER BROS.													
DB210.....	56.7	9/16	2.2	43	1.0	36.3	9/15	1.0	33	1.0			
FFR													
2777.....	51.0	9/19	2.3	44	1.0	30.7	9/14	1.0	38	1.0			
FS EXP HISOY													
226.....	56.8	9/13	2.7	40	1.0								
228.....	54.7	9/15	3.0	39	1.0								
288.....	63.5	9/19	2.5	41	1.0								
FS HISOY													
HS 235.....	61.8	9/18	3.0	48	1.0	32.5	9/19	1.6	40	1.0			
HS 265.....	57.6	9/17	2.0	45	1.0	38.7	9/18	1.0	33	1.0			
225.....	51.5	9/15	2.7	46	1.0	35.0	9/14	1.2	33	2.0	56.4	2.2	1.0
280.....	58.2	9/20	3.3	42	1.0	42.4	9/17	1.0	35	1.0			
295.....	53.5	9/27	3.8	47	1.0	37.8	9/21	1.2	40	1.0	49.6	2.3	1.0
FULVAR													
221.....	54.9	9/15	2.5	46	1.0	34.7	9/15	1.0	34	2.0			
241.....	58.6	9/16	2.3	45	1.0	36.5	9/14	1.0	34	2.0			
261.....	56.5	9/19	3.0	44	1.0	36.7	9/18	1.2	32	1.0			
FUNK													
G-3236.....	56.0	9/20	2.8	39	1.0	35.1	9/18	1.1	32	2.0			
12042.....	54.4	9/11	2.8	42	1.0								
FURROW SEED CO.													
ST 215.....	54.5	9/16	2.3	43	1.0	41.2	9/14	1.0	33	1.0			
ST 275.....	57.0	9/19	3.0	47	1.0	39.9	9/16	1.0	35	2.0			
259.....	52.5	9/16	2.7	49	1.0	35.9	9/14	1.2	38	1.0			
GEO. KELLER & SONS CO.													
K-915.....	57.2	9/17	2.7	42	1.0								
JACQUES													
105.....	52.3	9/16	2.7	39	1.0								
J M SCHULTZ													
EXP. 2382.....	59.4	9/18	2.7	44	1.0								
SHAWNEE II.....	59.5	9/16	2.2	43	1.0	33.9	9/15	1.0	34	1.0	48.5	2.2	1.0
SHAWNEE.....	56.2	9/18	3.2	42	1.0	38.2	9/16	1.1	35	1.0	50.3	1.7	1.0
KITCHEN													
KSC 180.....	58.8	9/12	2.5	41	1.0								
KRUGER													
K-2205.....	52.3	9/22	2.8	43	1.0	40.3	9/22	1.2	34	1.0	50.6	1.7	1.0

URBANA (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODGE- ING	SHAT- TERING
LANDERS													
2304.....	58.7	9/18	2.3	45	1.0	35.4	9/14	1.0	32	1.0			
2503R.....	54.2	9/16	2.5	45	1.0	34.8	9/15	1.0	34	2.0	53.6	1.3	1.0
2908.....	58.8	9/18	2.8	43	1.0								
LEWIS													
22B.....	59.8	9/19	2.7	44	1.0								
23.....	58.1	9/22	3.0	41	1.0								
MCALLISTER													
82-2.....	61.2	9/17	2.3	43	1.0								
MCCUBBIN													
LEO II.....	48.7	9/26	3.3	47	1.0								
LYON.....	54.5	9/13	2.5	42	1.0								
SHILOH.....	61.6	9/16	2.3	43	1.0								
1X-124.....	63.5	9/18	2.7	40	1.0								
MCCURDY													
101+.....	56.5	9/15	2.8	43	1.0	35.2	9/13	1.2	34	1.0	49.4	1.1	1.0
102+.....	51.3	9/13	2.7	42	1.0	36.9	9/15	1.3	34	1.0			
MERSCHMAN													
CHEYENNE.....	64.8	9/19	3.0	43	1.0	41.6	9/18	1.0	35	1.0			
NAVAHO III.....	57.2	9/25	3.0	47	1.0								
SAUK.....	58.7	9/20	2.7	41	1.0	34.4	9/22	1.1	35	1.0	58.3	1.5	1.0
SHAWNEE II.....	59.2	9/16	2.5	43	1.0	36.1	9/15	1.0	34	2.0	53.9	1.6	1.0
MIGRO													
HP2530.....	59.1	9/16	2.7	41	1.0	35.5	9/17	1.2	32	2.0			
NAPB													
EX 163.....	52.9	9/16	2.7	37	1.0								
EX 229.....	55.1	9/17	2.0	41	1.0								
NOBLE													
NB 2600.....	59.0	9/20	2.2	43	1.0	35.7	9/14	1.0	35	2.0	59.3	1.4	1.0
NB 2700.....	56.4	9/23	3.0	49	1.0								
NORTHRUP-KING													
S1492.....	54.9	9/14	2.5	40	1.0	37.3	9/12	1.0	32	2.0	50.8	1.3	1.0
S2596.....	59.1	9/14	1.8	37	1.0	35.0	9/13	1.0	30	1.0			
SEEDMAKERS													
27291B-W.....	50.8	9/26	3.3	50	1.0								
27391A.....	44.1	9/13	2.3	44	1.0								
SHISSLER													
GR-8 263.....	50.1	9/18	2.8	43	1.0								
GR-8 265.....	53.7	9/15	2.8	46	1.0								
SRF													
250.....	58.8	9/23	2.0	44	1.0	39.2	9/18	1.0	31	1.0	54.0	1.7	1.0
SUPERSOY													
450.....	55.1	9/22	3.2	43	1.0	40.7	9/21	1.2	35	1.0	56.0	1.7	1.0
460A.....	50.9	9/26	3.2	43	1.0	36.9	9/20	1.2	39	1.0			
S BRAND													
S 43.....	58.3	9/21	2.2	43	1.0	38.1	9/15	1.0	33	2.0			
S 46B.....	64.1	9/17	2.3	41	1.0								
S 47B.....	58.4	9/20	2.5	41	1.0	34.8	9/15	1.0	33	1.0			
S 47.....	55.1	9/16	2.8	32	1.0	35.8	9/16	1.0	31	1.0			
TRISLER													
TRISOY 201.....	58.7	9/13	2.5	51	1.0								
TRISOY 211.....	62.0	9/20	2.7	41	1.0								
TRISOY 260.....	51.3	9/13	2.2	45	1.0								
VORIS													
257.....	47.1	9/17	3.0	46	1.0								
285.....	52.1	9/22	3.2	49	1.0								
AVERAGE.....	56.4	..	2.7	43	1.0	36.3	..	1.1	35	1.3	51.7	1.7	1.0
L.S.D. 10% LEVEL.....	6.8	..	0.2	5	0.0	4.9	..	..	3	..	6.9	..	..
L.S.D. 30% LEVEL.....	4.3	..	0.4	3	0.0	3.1	..	..	2	..	4.3	..	..
STD ERR OF MEAN.....	2.9	..	0.3	2	0.0	2.1	..	..	1	..	3.0	..	..

MATURITY GROUP III

PUBLIC VARIETY	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODGE- ING	SHAT- TERING
CUMBERLAND.....	53.1	9/26	2.7	46	1.0	41.2	9/24	1.3	38	1.0	56.4	2.9	1.0
ELF.....	48.4	9/27	1.2	25	1.0	41.1	9/30	1.0	25	1.0			
FAYETTE.....	48.9	9/28	2.8	48	1.0								
HOBBIT.....	52.3	9/29	1.2	24	1.0								
PELLA.....	46.7	9/22	2.7	46	1.0	43.1	9/23	1.1	36	1.0			
SPRITE.....	58.9	9/28	1.0	24	1.0	42.3	9/27	1.1	23	1.0			
WILLIAMS 79.....	47.7	9/28	2.5	47	1.0	35.4	9/27	1.2	40	1.0			
WILLIAMS 82.....	44.2	9/29	2.8	47	1.0								
WILL.....	51.9	9/26	2.2	34	1.0	40.6	9/24	1.2	37	1.0			
ACCO													
PAYMASTER 351.....	55.2	9/24	3.0	45	1.0								

URBANA (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODGE- ING	SHAT- TERING
AGRIPRO													
AP250.....	50.6	9/20	3.0	48	1.0	39.3	9/25	1.2	39	2.0	56.3	1.8	1.0
25.....	53.0	9/24	2.5	46	1.0	36.9	9/25	1.2	38	2.0	54.2	2.1	1.0
AGRO-SOY													
46+.....	57.8	9/26	2.8	43	1.0								
47.....	54.3	9/26	3.2	46	1.0	43.9	9/22	1.6	38	2.0			
AG-SEEDS													
KING.....	50.1	9/30	2.5	47	1.0	37.7	9/27	1.1	40	1.0			
AMERICANA													
B268.....	46.2	9/25	2.5	46	1.0								
REBEL.....	45.4	9/28	3.3	40	1.0								
XK262.....	48.1	9/26	3.3	46	1.0	32.7	9/25	1.5	43	1.0	52.2	3.9	1.0
XK585.....	46.0	9/26	3.2	45	1.0	34.5	9/22	1.3	40	2.0	52.0	3.7	1.0
ASGROW													
A3127.....	56.7	9/25	2.2	39	1.0	41.0	9/27	1.3	32	1.0	58.0	1.7	1.0
A3659.....	52.9	9/30	2.0	41	1.0	47.3	9/30	1.0	37	1.0			
A3860.....	59.8	10/02	2.8	41	1.0	41.7	9/31	1.4	41	1.0	57.4	2.7	1.0
BELLATTI													
B28-79.....	31.5	9/26	3.2	44	1.0	32.4	9/28	2.4	39	2.0			
B5-79.....	38.1	10/03	3.2	46	1.0	38.0	10/02	2.0	41	1.0			
E-B5-80.....	27.0	9/26	3.7	38	1.0								
CALLAHAN													
1320.....	59.2	9/27	2.3	45	1.0								
2350.....	48.1	9/24	3.3	49	1.0								
CFS													
31.....	57.6	9/26	3.3	45	1.0	38.5	9/23	1.7	38	2.0			
34.....	48.8	9/25	2.8	45	1.0	39.0	9/26	1.3	39	1.0			
DAIRYLAND													
DSR-352.....	51.7	9/28	3.2	42	1.0						49.2	3.0	1.0
DE SOY													
800.....	52.3	9/20	2.7	43	1.0	40.7	9/26	1.0	38	1.0			
850A.....	51.0	9/25	2.8	45	1.0								
875.....	47.2	9/22	2.8	47	1.0						53.2	2.1	1.0
900.....	58.1	9/26	3.0	47	1.0	42.0	9/26	1.5	40	2.0			
950.....	52.3	9/23	2.8	45	1.0	39.8	9/26	1.2	39	2.0	52.0	4.0	1.0
975A.....	53.4	9/30	3.3	47	1.0								
DIENER BROS.													
DB310.....	50.5	9/24	2.8	45	1.0	32.5	9/26	1.2	38	2.0			
DB340.....	52.2	10/01	2.8	44	1.0	40.5	9/27	1.1	43	1.0			
FFR													
2515.....	55.5	9/28	3.0	49	1.0								
3728.....	52.0	9/25	3.0	51	1.0								
FS EXP HISOY													
321.....	52.1	9/25	3.7	43	1.0								
322.....	54.4	9/25	2.7	46	1.0								
FS HISOY													
320.....	46.6	9/23	3.3	46	1.0								
325.....	53.2	9/25	3.0	47	1.0	41.3	9/25	1.3	39	2.0	50.5	3.1	1.0
340.....	50.2	9/28	2.8	49	1.0	36.4	9/27	1.1	40	1.0	55.4	2.0	1.0
350.....	57.3	10/01	2.7	48	1.0	36.3	9/29	1.1	36	2.0	55.6	2.8	1.0
FULVAR													
321.....	48.2	9/26	3.5	44	1.0	43.3	9/20	1.8	36	2.0			
331.....	51.9	9/23	3.2	45	1.0								
361.....	49.3	9/26	2.7	45	1.0	38.4	9/26	1.1	40	2.0			
381.....	58.9	10/01	3.5	49	1.0	37.3	9/30	1.9	44	2.0			
390.....	49.4	9/29	2.8	45	1.0	38.6	9/27	1.1	42	1.0			
FUNK													
G-3340.....	52.3	9/25	3.0	46	1.0	37.5	9/23	1.3	41	1.0	56.0	4.3	1.0
GEO. KELLER & SONS CO.													
GRANT.....	52.2	9/25	3.3	44	1.0	46.9	9/23	1.8	38	2.0			
K-910.....	53.0	10/01	3.3	44	1.0	41.4	9/29	1.5	44	2.0			
HOBBLIT													
HERITAGE.....	46.4	9/25	3.2	47	1.0								
SHILOH.....	51.0	10/01	3.2	42	1.0								
JACQUES													
110.....	47.2	9/27	2.7	41	1.0								
112.....	51.7	9/30	3.5	59	1.0								
J M SCHULTZ													
EXP. 3482.....	57.2	9/26	2.7	45	1.0								
WASHINGTON V.....	50.5	9/25	3.5	48	1.0	38.7	9/24	1.6	40	2.0			
KITCHEN													
KSC 378.....	50.9	9/17	3.0	48	1.0								
KSC 380.....	56.1	9/26	3.2	46	1.0								
KSC 383.....	44.3	9/28	2.8	40	1.0								
KRUGER													
KB-310.....	53.5	9/26	3.3	47	1.0								
KB-320.....	58.7	9/26	3.3	43	1.0								
KB-340.....	50.4	9/25	3.5	44	1.0								
KB-360.....	51.6	9/26	3.0	44	1.0								
K-3015A.....	55.2	9/23	3.5	45	1.0								
K-3035.....	61.5	9/26	3.2	45	1.0								
K-3140.....	50.8	9/24	3.0	45	1.0								
K-4085.....	52.7	9/25	3.3	44	1.0	44.7	9/26	1.7	42	2.0	56.6	3.6	1.0

URBANA (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
LANDERS													
3310.....	51.3	9/24	2.7	45	1.0	33.0	9/26	1.1	39	2.0			
3710.....	52.9	9/26	3.3	47	1.0								
3712.....	53.0	9/28	2.7	45	1.0	39.8	9/25	1.5	41	2.0	55.9	3.4	1.0
LEWIS													
33B.....	54.4	9/28	3.3	47	1.0								
37.....	52.3	9/25	2.7	43	1.0								
38.....	58.3	9/26	3.3	46	1.0								
MCALLISTER													
82-3.....	60.0	9/17	2.8	42	1.0								
MCCUBBIN													
TROY.....	51.5	9/24	2.8	45	1.0								
MCCURDY													
ML3.....	45.5	9/26	3.3	48	1.0	36.6	9/28	1.2	40	2.0			
109+.....	45.4	9/25	3.0	47	1.0	40.1	9/26	1.2	39	2.0	52.7	2.5	1.0
308+.....	47.0	9/26	3.0	50	1.0								
MERSCHMAN													
JEFFERSON III.....	56.2	9/24	2.5	44	1.0								
JEFFERSON II.....	52.0	9/26	2.8	45	1.0	38.4	9/26	1.3	36	2.0	56.3	2.7	1.0
KENNEDY.....	48.6	9/25	2.7	41	1.0	34.7	9/25	1.2	40	1.0	60.5	2.2	1.0
TRUMAN.....	51.3	9/25	2.5	41	1.0	40.4	9/24	1.3	37	2.0			
WASHINGTON V.....	56.7	9/26	3.5	45	1.0	38.0	9/26	1.6	38	2.0	58.6	3.1	1.0
MIGRO													
HP3700.....	53.1	9/30	2.8	49	1.0	38.9	9/27	1.1	40	1.0			
NAPB													
EX 8043.....	55.2	9/25	3.2	45	1.0								
NOBLE													
NB 3500.....	54.1	9/30	3.0	46	1.0								
NORTHROP-KING													
MV32-67.....	50.5	9/26	3.7	47	1.0								
MV80.....	51.1	9/26	2.7	48	1.0	33.5	9/27	1.2	41	1.0	50.9	2.7	1.0
PFIZER GENETICS													
CX321.....	49.9	9/24	3.8	44	1.0								
CX380.....	54.6	9/30	2.8	47	1.0	38.7	9/28	1.3	40	1.0			
RIVERSIDE													
202R.....	48.9	9/25	2.7	45	1.0								
2022.....	50.4	9/26	3.0	44	1.0								
3036.....	46.2	9/17	2.7	44	1.0								
SEEDMAKERS													
SM9-E.....	47.7	9/28	2.7	50	1.0						48.2	2.7	1.0
7211BA.....	52.9	9/28	3.0	49	1.0	43.9	9/28	1.4	42	1.0			
SHISSLER													
GR-8 367.....	51.0	9/26	2.7	46	1.0								
SRF													
MATSOY.....	47.6	9/24	2.7	46	1.0	37.6	9/22	1.0	40	1.0	50.1	3.5	1.0
STEWART SEEDS													
SB 3400.....	49.3	9/25	3.3	43	1.0						57.9	2.5	1.0
SB 3700.....	49.2	9/16	3.0	47	1.0								
STONE													
STOY EXP. 3301.....	55.0	9/24	3.3	47	1.0								
STOY EXP. 3304.....	54.9	9/26	3.3	41	1.0								
STOY EXP. 3341.....	51.7	9/25	3.3	47	1.0								
SUPERSOY													
470.....	46.5	9/27	3.3	48	1.0						47.3	2.0	1.0
482.....	50.8	9/26	3.0	39	1.0								
S BRAND													
S 50A.....	50.5	9/23	3.3	44	1.0	45.3	9/26	1.3	40	2.0			
S 51.....	48.6	9/26	3.3	46	1.0								
S 52A.....	57.1	9/24	3.0	42	1.0								
S 56.....	51.7	9/25	2.7	44	1.0								
S 60B.....	50.8	9/24	3.2	47	1.0								
TRISLER													
TRISOY 301.....	54.2	9/26	3.2	48	1.0								
TRISOY 302.....	49.2	9/26	2.8	48	1.0								
TRISOY 311.....	54.6	9/26	3.3	44	1.0								
TRISOY 312.....	47.2	9/25	3.2	46	1.0								
TRISOY 360.....	46.4	9/26	2.7	48	1.0								
VORIS													
339.....	48.9	9/23	3.0	45	1.0	39.2	9/26	1.4	41	2.0	58.8	2.6	1.0
VR													
BARON.....	43.8	9/29	3.3	48	1.0								
3393.....	53.0	9/30	2.5	45	1.0								
AVERAGE.....	51.2	..	3.0	45	1.0	38.8	..	1.3	40	1.5	52.8	2.9	1.0
L.S.D. 10% LEVEL.....	7.1	..	0.5	4	0.0	4.8	..	..	3	..	4.3	..	..
L.S.D. 30% LEVEL.....	4.5	..	0.3	2	0.0	3.0	..	..	2	..	2.7	..	..
STD ERR OF MEAN.....	3.0	..	0.2	2	0.0	2.1	..	..	1	..	1.8	..	..

URBANA (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
Maturity Group IV													
PUBLIC VARIETY													
FRANKLIN.....	36.7	10/04	3.5	49	1.0	25.7	9/26	1.3	50	2.0	38.6	3.6	1.0
LAWRENCE.....	41.3	10/03	2.3	39	1.0								
PIXIE.....	50.7	10/04	1.3	31	1.0	44.5	10/03	1.1	26	1.0			
UNION.....	44.8	10/02	3.7	50	1.0	33.3	9/29	1.3	50	1.0	51.9	3.5	1.0
AMERICANA													
CONCORD.....	45.5	10/01	3.5	50	1.0	37.4	9/26	1.2	50	1.0			
BUTZOW													
SC338.....	42.3	10/04	3.2	49	1.0								
GEO. KELLER & SONS CO.													
K-914.....	46.2	10/05	3.5	51	1.0								
LEWIS													
43.....	48.1	10/01	3.3	43	1.0	38.1	9/28	1.8	43	2.0			
MCCUBBIN													
ALBANY.....	44.9	10/05	3.0	46	1.0								
CARSON.....	44.1	10/05	3.2	55	1.0								
4X-314.....	48.3	10/04	2.8	50	1.0								
MERSCHMAN													
CLEVELAND.....	49.0	10/03	3.2	51	1.0	33.6	9/25	1.2	42	2.0	53.9	3.3	1.0
RICHMOND.....	43.8	10/05	3.3	50	1.0	25.7	9/28	1.3	46	2.0	52.4	2.4	1.0
MIGRO													
HP4800.....	43.7	10/05	2.7	44	1.0								
NORTHROP-KING													
MV95.....	45.6	10/05	3.2	55	1.0								
S40-44.....	44.4	9/30	1.8	49	1.0								
RIVERSIDE													
2024.....	50.2	9/26	2.8	49	1.0								
2025.....	41.1	9/26	3.0	52	1.0	31.7	9/28	1.1	46	1.0	50.0	1.5	1.0
STEWART SEEDS													
SB 4200.....	48.3	9/29	3.3	46	1.0						52.5	1.5	1.0
VORIS													
465.....	46.0	10/03	3.2	47	1.0								
AVERAGE.....	45.2	..	3.0	48	1.0	33.8	..	1.3	42	1.4	48.1	2.4	1.0
L.S.D. 10% LEVEL.....	4.4	..	0.5	9	0.0	4.9	..	..	1	..	..	..	..
L.S.D. 30% LEVEL.....	2.7	..	0.3	6	0.0	3.1	..	..	1	..	..	..	..
STD ERR OF MEAN.....	1.8	..	0.2	4	0.0	2.1	..	..	0	..	3.5	..	..

Soybean Variety Trial Results

URBANA (7-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP I													
GOLD TAG													
1170.....	70.8	9/10	2.3	42	1.0								
MATURITY GROUP II													
PUBLIC VARIETY													
AMSOY 71.....	57.9	9/15	2.5	46	1.0	44.6	9/16	1.0	37	2.0			
BEESON 80.....	60.3	9/16	2.5	35	1.0	46.7	9/18	1.0	35	2.0			
CENTURY.....	65.5	9/16	2.3	42	1.0	43.7	9/18	1.0	34	2.0			
CORSOY 79.....	63.9	9/12	3.1	43	1.0	47.8	9/15	1.1	41	1.0			
GNOME.....	67.9	9/26	1.0	22	1.0	41.0	9/22	1.0	38	1.0			
HARCOR.....	64.9	9/13	3.8	43	1.0								
NEBSOY.....	67.5	9/15	1.7	42	1.0	43.5	9/16	1.0	32	2.0			
WELLS II.....	63.3	9/13	2.0	43	1.0	41.9	9/16	1.0	36	2.0			
AGRISOY													
220.....	63.6	9/14	2.7	42	1.0								
AGRO-SDY													
31.....	70.0	9/18	2.5	42	1.0								
AG-SEEDS													
7250.....	64.8	9/24	3.3	46	1.0	41.3	9/25	1.2	47	2.0			
ASGROW													
A2575.....	71.7	9/12	1.8	41	1.0	52.4	9/14	1.0	34	2.0	60.5	1.7	1.0
A2680.....	65.1	9/14	2.8	41	1.0								
A2858.....	66.2	9/18	2.5	35	1.0	48.1	9/18	1.0	38	1.0			
CALLAHAN													
1250.....	82.5	9/19	2.5	43	1.0								
9240R.....	76.3	9/18	2.8	40	1.0								
DAIRYLAND													
DSR-207.....	63.5	9/14	2.1	41	1.0								
DSR-227.....	74.4	9/20	2.7	47	1.0								
DSR-232.....	64.2	9/18	3.2	46	1.0								
DIENER BROS.													
DB210.....	69.5	9/17	1.8	42	1.0								
DUESTERHAUS													
L 12.....	71.8	9/17	2.0	40	1.0								
FS EXP HISOY													
226.....	72.6	9/13	2.1	38	1.0								
FS HISOY													
HS 235.....	68.6	9/17	2.9	43	1.0								
HS 265.....	70.4	9/20	1.8	39	1.0	51.7	9/19	1.0	32	1.0			
280.....	60.6	9/19	3.0	39	1.0	51.8	9/24	1.1	37	1.0			
FULVAR													
241.....	71.0	9/17	2.3	45	1.0								
261.....	68.9	9/19	2.2	44	1.0								
FUNK													
G-3236.....	59.6	9/18	2.5	37	1.0	47.5	9/18	1.0	34	1.0			
12042.....	66.2	9/11	3.3	42	1.0								
FURROW SEED CO.													
ST 215.....	71.1	9/16	2.7	44	1.0								
ST 275.....	56.3	9/18	2.7	43	1.0	44.7	9/20	1.0	35	2.0			
259.....	62.5	9/16	2.8	47	1.0	46.9	9/15	1.0	36	1.0			
GEO. KELLER & SONS CO.													
K-915.....	73.1	9/21	2.6	39	1.0								
GOLD TAG													
1200.....	70.6	9/13	3.0	42	1.0								
1250.....	69.6	9/17	2.0	40	1.0								
1270.....	76.1	9/18	2.2	41	1.0								
J M SCHULTZ													
SHAWNEE II.....	69.6	9/15	2.3	40	1.0	42.2	9/15	1.0	30	2.0			
SHAWNEE.....	65.2	9/17	3.6	43	1.0	45.6	9/17	1.1	36	1.0			
KITCHEN													
KSC 180.....	64.9	9/13	2.3	41	1.0								
LANDERS													
2908.....	65.1	9/18	2.7	43	1.0								
LEWIS													
27.....	61.0	9/13	2.5	42	1.0	45.2	9/15	1.0	39	2.0			
MCALLISTER													
8133.....	63.1	9/13	2.5	42	1.0								
82-2.....	73.2	9/17	2.5	43	1.0								
MCCURDY													
101+.....	61.4	9/14	3.0	39	1.0								
102+.....	61.8	9/12	2.8	39	1.0								
MERSCHMAN													
CHEYENNE.....	71.5	9/19	3.0	43	1.0								
SHAWNEE II.....	71.9	9/17	2.3	43	1.0	46.9	9/16	1.0	36	2.0			
MIGRO													
HP2530.....	74.3	9/17	2.9	36	1.0	44.9	9/17	1.0	31	2.0			

URBANA (7-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODGE- ING	SHAT- TERING
NOBLE													
NB 2100.....	66.1	9/15	2.3	44	1.0								
NB 2600.....	76.5	9/17	2.3	42	1.0								
NORTHROP-KING													
MV24-59.....	74.2	9/15	2.7	41	1.0								
S1492.....	72.9	9/14	2.8	40	1.0	46.5	9/16	1.0	37	2.0	60.0	1.4	1.0
S2596.....	70.2	9/14	1.8	38	1.0	47.8	9/17	1.0	31	1.0			
SHISLER													
GR-8 265.....	59.8	9/15	2.1	44	1.0								
SRF													
250.....	70.7	9/21	1.8	45	1.0	44.6	9/20	1.0	34	2.0	59.3	1.1	1.0
SUPERSOY													
450.....	68.1	9/20	2.5	44	1.0								
460A.....	64.7	9/26	2.7	44	1.0	49.9	9/21	1.3	40	1.0			
S BRAND													
S 43.....	66.0	9/19	2.3	40	1.0								
S 46B.....	69.0	9/18	2.7	39	1.0								
S 47B.....	79.7	9/20	2.5	41	1.0								
S 47.....	64.9	9/16	2.9	41	1.0								
TRISLER													
TRISOY 201.....	67.9	9/14	2.8	45	1.0	43.7	9/17	1.0	36	1.0			
TRISOY 211.....	70.7	9/19	2.7	38	1.0								
VORIS													
247.....	69.2	9/15	1.7	43	1.0	40.3	9/15	1.0	28	2.0	58.9	1.1	1.0
295.....	66.0	9/24	2.8	50	1.0								
AVERAGE (GROUPS I & II)..	67.9	..	2.5	41	1.0	45.7	..	1.0	36	1.6	58.9	1.9	1.0
L.S.D. 10% LEVEL.....	8.0	..	0.6	4	0.0	6.0	..	..	1	..	..	..	..
L.S.D. 30% LEVEL.....	5.0	..	0.4	2	0.0	3.8	..	..	1	..	..	..	..
STD ERR OF MEAN.....	3.4	..	0.3	2	0.0	2.6	..	..	0	..	2.8	..	..
MATURITY GROUP III													
PUBLIC VARIETY													
CUMBERLAND.....	64.0	9/26	3.7	47	1.0	44.0	9/26	1.1	38	1.0			
ELF.....	59.4	9/27	1.5	21	1.0	47.8	9/28	1.0	25	1.0	53.2	1.1	1.0
FAYETTE.....	58.2	9/27	3.7	52	1.0								
HOBBIT.....	69.1	9/26	1.7	28	1.0								
PELLA.....	63.2	9/24	3.0	49	1.0	43.2	9/23	1.0	39	1.0			
SPRITE.....	63.5	9/26	1.7	22	1.0	44.5	9/25	1.0	27	1.0			
WILLIAMS 79.....	55.3	9/28	3.5	49	1.0	43.5	9/25	1.1	43	1.0			
WILL.....	53.1	9/26	3.3	40	1.0	41.5	9/24	1.0	36	1.0	59.9	1.2	1.0
AGRIPRO													
AP250.....	56.7	9/24	3.2	47	1.0	42.9	9/25	1.0	37	2.0			
25.....	55.1	9/25	3.0	48	1.0	42.6	9/25	1.0	35	1.0	61.7	1.9	1.0
AGRO-SOY													
46+.....	72.6	9/26	3.8	47	1.0								
47.....	52.8	9/26	3.8	52	1.0								
AG-SEEDS													
KING.....	56.1	9/27	3.5	48	1.0	38.7	9/26	1.1	39	2.0			
AMERICANA													
B500.....	58.2	9/26	4.5	40	1.0								
LITTLE GIANT.....	52.8	9/24	3.8	34	1.0								
ASGROW													
A3127.....	73.9	9/26	2.7	41	1.0	52.1	9/25	1.0	33	1.0	64.4	1.7	1.0
A3659.....	58.6	9/26	2.8	42	1.0	50.4	9/26	1.0	36	1.0			
CALLAHAN													
2350.....	58.2	9/24	4.2	51	1.0								
DAIRYLAND													
DSR-303.....	58.5	9/26	4.2	52	1.0								
DSR-320.....	60.9	9/26	3.5	44	1.0								
DSR-352.....	61.6	10/01	4.0	44	1.0						57.5	4.8	1.0
DUESTERHAUS													
L 13.....	66.2	9/26	4.0	52	1.0								
FS HISOY													
320.....	64.6	9/25	4.2	55	1.0								
325.....	65.3	9/25	4.5	46	1.0	44.7	9/24	1.1	36	2.0			
340.....	59.8	9/26	3.3	47	1.0	41.0	9/29	1.4	43	1.0			
350.....	57.3	9/30	3.7	48	1.0	42.5	9/26	1.0	39	2.0			
FULVAR													
331.....	61.7	9/26	4.0	46	1.0								
FUNK													
G-3340.....	56.7	9/24	4.3	51	1.0	43.8	9/22	1.2	36	1.0	49.3	4.9	1.0
GEO. KELLER & SONS CO.													
GRANT.....	57.9	9/25	4.2	52	1.0								
K-910.....	58.8	10/01	3.7	51	1.0								

URBANA (7-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
GOLD TAG													
1310.....	53.7	9/26	3.5	49	1.0								
1330.....	65.4	9/25	2.8	45	1.0	35.6	9/16	1.2	36	1.0			
1340.....	61.0	9/25	4.2	58	1.0								
1380.....	63.6	10/02	3.5	48	1.0								
HOBBLIT													
SHILOH.....	58.5	9/30	4.0	43	1.0								
J M SCHULTZ													
EXP. 3482.....	64.3	9/26	3.7	48	1.0								
WASHINGTON V.....	58.4	9/26	4.0	51	1.0								
LANDERS													
3710.....	59.6	9/26	4.0	49	1.0								
LEWIS													
33B.....	62.8	9/25	3.7	48	1.0								
34.....	63.5	9/29	4.0	38	1.0								
MCALLISTER													
8154.....	47.4	9/26	3.8	49	1.0								
82-3.....	64.5	9/29	3.7	51	1.0								
MCCURDY													
ML3.....	57.9	9/26	3.7	48	1.0								
109+.....	60.7	9/26	3.7	58	1.0								
MERSCHMAN													
JEFFERSON II.....	57.8	9/25	4.2	47	1.0	45.8	9/25	1.0	37	2.0	69.5	2.9	1.0
KENNEDY.....	59.0	9/25	3.7	46	1.0	41.0	9/25	1.0	38	1.0			
TRUMAN.....	58.0	9/28	3.3	48	1.0								
MIGRO													
HP3700.....	65.1	9/27	3.2	45	1.0								
NORTHROP-KING													
MV32-67.....	62.8	9/26	4.2	52	1.0								
RIVERSIDE													
202R.....	61.2	9/26	3.2	47	1.0								
2022.....	56.4	9/26	3.5	42	1.0								
SRF													
MATSOY.....	55.8	9/26	4.2	52	1.0	43.0	9/25	1.2	39	1.0			
STEWART SEEDS													
SB 3400.....	60.5	9/23	3.0	47	1.0								
SUPERSOY													
482.....	59.1	9/25	3.5	49	1.0								
S BRAND													
S 50A.....	62.5	9/26	4.2	51	1.0								
S 51.....	60.1	9/25	4.2	46	1.0								
S 52A.....	58.1	9/28	4.0	49	1.0								
S 56.....	58.8	9/27	3.7	48	1.0								
S 60B.....	67.0	9/25	3.8	48	1.0								
TRISLER													
TRISOY 301.....	68.1	9/28	3.8	50	1.0	43.0	9/24	1.1	36	2.0			
TRISOY 311.....	61.1	9/27	4.3	52	1.0								
VORIS													
339.....	53.6	9/26	3.8	46	1.0	40.2	9/25	1.2	43	2.0	60.2	2.0	1.0
VR													
3393.....	60.3	9/28	3.3	51	1.0								
AVERAGE.....	60.3	..	3.6	47	1.0	42.8	..	1.1	37	1.4	57.3	2.8	1.0
L.S.D. 10% LEVEL.....	6.7	..	0.4	7	0.0	4.7	..	..	5	..	8.9	..	..
L.S.D. 30% LEVEL.....	4.2	..	0.3	4	0.0	2.9	..	..	3	..	5.5	..	..
STD ERR OF MEAN.....	2.9	..	0.2	3	0.0	2.0	..	..	2	..	3.7	..	..

MATURITY GROUP IV

PUBLIC VARIETY	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
DESOTO.....	58.9	10/04	3.5	52	1.0								
FRANKLIN.....	41.7	10/03	4.0	48	1.0	26.8	9/28	1.2	46	1.0			
LAWRENCE.....	59.3	10/04	3.0	46	1.0								
PIXIE.....	63.3	9/30	1.5	28	1.0	54.8	10/05	1.0	26	1.0			
UNION.....	57.6	10/02	3.8	52	1.0	46.1	9/30	1.2	45	1.0			
GEO. KELLER & SONS CO.													
K-914.....	58.1	10/08	3.8	53	1.0								
MCCURDY													
500A.....	57.1	9/30	3.8	46	1.0								
NORTHROP-KING													
MV95.....	57.1	10/07	3.7	51	1.0								
S40-44.....	52.1	10/01	2.8	46	1.0								
AVERAGE.....	56.1	..	3.3	47	1.0	42.3	..	1.2	40	1.0	49.1	2.0	1.0
L.S.D. 10% LEVEL.....	6.5	..	0.4	10	0.0	5.7	..	..	3	..	5.7	..	..
L.S.D. 30% LEVEL.....	4.0	..	0.2	6	0.0	3.5	..	..	2	..	3.4	..	..
STD ERR OF MEAN.....	2.6	..	0.2	4	0.0	2.3	..	..	1	..	2.2	..	..

Soybean Variety Trial Results
PERRY (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING
MATURITY GROUP II										
PUBLIC VARIETY										
AMSOY 71.....	34.1	9/23	1.7	42	1.0					
BEESON 80.....	38.5	9/23	1.3	36	1.0					
AGRO-SOY										
31.....	38.8	9/23	1.3	33	1.0					
AG-SEEDS										
7250.....	36.3	9/23	2.0	41	1.0					
DUESTERHAUS										
L 12.....	38.6	9/23	1.5	34	1.0					
FUNK										
12042.....	33.8	9/23	2.5	38	1.0					
MERSCHMAN										
CHEYENNE.....	38.8	9/23	1.5	31	1.0					
MIGRO										
HP2530.....	45.7	9/23	1.5	38	1.0					
RIVERSIDE										
4041.....	37.1	9/23	1.2	32	1.0					
4042.....	33.2	9/23	1.3	38	1.0	18.1	9/10	1.4	31	1.0
4044.....	38.9	9/23	1.8	37	1.0					
4045.....	41.0	9/23	1.5	38	1.0					
SRF										
250.....	36.4	9/23	1.2	35	1.0					
AVERAGE.....	37.8	..	1.6	36	1.0	19.5	..	1.4	30	1.0
L.S.D. 10% LEVEL.....	..	..	0.5	4	0.0	2.4	..	..	3	..
L.S.D. 30% LEVEL.....	..	..	0.5	4	0.0	1.5	..	..	2	..
STD ERR OF MEAN.....	2.6	..	0.2	2	0.0	1.0	..	..	1	..
MATURITY GROUP III										
PUBLIC VARIETY										
CUMBERLAND.....	46.2	9/23	1.7	39	1.0	26.0	9/18	1.3	29	1.0
ELF.....	48.5	9/30	1.0	17	1.0	22.5	9/15	1.0	16	1.0
FAYETTE.....	43.0	10/01	2.2	41	1.0					
HOBBIT.....	46.1	9/30	1.0	19	1.0					
PELLA.....	47.0	9/23	1.5	39	1.0	26.4	9/10	1.2	32	1.0
SPRITE.....	46.3	9/30	1.0	19	1.0	11.9	9/18	1.0	14	1.0
WILLIAMS 79.....	45.0	9/23	2.0	38	1.0	24.0	9/17	1.2	31	1.0
WILL.....	49.1	9/23	1.5	31	1.0	19.7	9/10	1.0	25	1.0
AGRO-SOY										
46+.....	50.3	9/23	1.8	40	1.0					
47.....	46.2	9/23	1.8	35	1.0	26.1	9/12	1.4	33	1.0
AG-SEEDS										
KING.....	51.1	9/30	1.7	42	1.0	27.9	9/17	1.2	33	1.0
ASGROW										
A3127.....	47.8	9/23	1.2	34	1.0	28.4	9/09	1.0	28	1.0
A3659.....	41.9	9/23	1.2	34	1.0	24.8	9/17	1.0	26	1.0
A3860.....	41.6	9/26	1.5	42	1.0	29.3	9/21	1.1	34	1.0
DAIRYLAND										
DSR-303.....	41.6	9/23	2.0	41	1.0					
DSR-320.....	38.8	9/23	2.0	36	1.0					
DUESTERHAUS										
L 13.....	54.8	9/23	2.5	42	1.0					
FS EXP HISOY										
321.....	49.1	9/23	2.3	39	1.0					
322.....	52.5	9/23	1.8	38	1.0					
360.....	50.5	9/27	2.2	40	1.0					
FS HISOY										
320.....	54.3	9/23	2.0	32	1.0					
325.....	47.5	9/23	2.3	38	1.0	23.4	9/15	1.1	33	1.0
340.....	45.6	9/23	2.0	40	1.0	27.5	9/15	1.5	33	1.0
350.....	48.1	9/27	1.8	39	1.0	29.4	9/20	1.4	34	1.0
GEO. KELLER & SONS CO.										
GRANT.....	52.2	9/23	2.3	37	1.0	22.7	9/15	1.5	33	1.0
K-910.....	46.6	9/30	2.2	39	1.0	30.1	9/22	1.4	29	1.0
J M SCHULTZ										
WASHINGTON V.....	56.1	9/23	2.0	39	1.0	24.7	9/10	1.3	34	1.0
KITCHEN										
KSC 380.....	51.6	9/23	2.2	39	1.0					
KSC 383.....	51.1	9/23	2.0	36	1.0					
LEWIS										
31.....	46.2	9/26	2.5	46	1.0					
37.....	48.6	9/23	1.8	39	1.0					
38.....	47.8	9/23	2.3	36	1.0					

PERRY (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING
MERSCHMAN										
TRUMAN.....	50.0	9/23	1.8	39	1.0					
MIGRO										
HP3700.....	43.2	9/26	1.5	38	1.0					
NORTHROP-KING										
MV32-67.....	41.7	9/23	2.2	39	1.0					
MV80.....	45.2	9/23	1.5	39	1.0	27.9	9/23	1.3	35	1.0
PFIZER GENETICS										
CX321.....	40.4	9/23	2.3	36	1.0					
CX380.....	48.0	9/23	1.7	38	1.0	30.1	9/18	1.2	33	1.0
RIVERSIDE										
3036.....	39.3	9/26	1.3	35	1.0					
SRF										
350P.....	46.7	9/23	2.5	40	1.0					
AVERAGE.....	47.2	..	1.9	37	1.0	25.6	..	1.3	31	1.0
L.S.D. 10% LEVEL.....	5.0	..	0.5	5	0.0	4.9	..	..	2	..
L.S.D. 30% LEVEL.....	3.2	..	0.3	3	0.0	3.0	..	..	1	..
STD ERR OF MEAN.....	2.1	..	0.2	2	0.0	2.1	..	..	1	..

MATURITY GROUP IV

PUBLIC VARIETY										
DESOTO.....	45.0	9/30	2.2	41	1.0	34.7	9/15	1.4	36	1.0
FRANKLIN.....	41.4	10/03	2.3	42	1.0	23.9	9/30	1.6	39	1.0
LAWRENCE.....	48.6	9/28	1.5	39	1.0					
PIXIE.....	47.9	9/30	1.0	18	1.0	20.9	9/22	1.0	15	1.0
UNION.....	47.0	9/30	2.2	43	1.0	23.8	9/25	1.6	33	1.0
DUESTERHAUS										
L 14.....	50.2	9/30	2.0	41	1.0					
FUNK										
G-3443.....	48.3	9/28	2.7	43	1.0					
GEO. KELLER & SONS CO.										
K-914.....	54.6	9/26	2.2	43	1.0					
LEWIS										
43.....	49.1	9/28	2.3	40	1.0					
NORTHROP-KING										
MV95.....	47.1	9/28	2.3	43	1.0					
S40-44.....	49.4	9/27	1.5	38	1.0					
AVERAGE.....	48.0	..	2.0	39	1.0	27.1	..	1.4	33	1.0
L.S.D. 10% LEVEL.....	..	..	0.5	7	0.0	4.5	..	..	3	..
L.S.D. 30% LEVEL.....	..	..	0.3	4	0.0	2.8	..	..	2	..
STD ERR OF MEAN.....	2.4	..	0.2	3	0.0	1.9	..	..	1	..

Soybean Variety Trial Results
BROWNSTOWN (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP II													
AGRIPRO													
27.....	47.3	9/25	1.3	31	1.0						46.5	1.1	1.0
NORTHROP-KING													
MV24-59.....	30.9	9/10	1.0	25	1.0								
MATURITY GROUP III													
PUBLIC VARIETY													
CUMBERLAND.....	45.7	9/23	1.0	29	1.0	26.9	9/12	1.1	32	1.0			
ELF.....	43.8	9/25	1.0	19	1.0								
FAYETTE.....	50.6	9/27	1.5	38	1.0								
HOBBIT.....	43.3	9/15	1.0	20	1.0								
PELLA.....	46.3	9/20	1.0	31	1.0	31.1	9/18	1.0	31	1.0			
SPRITE.....	40.1	9/22	1.0	19	1.0	13.7	9/16	1.0	12	1.0			
WILLIAMS 79.....	36.7	9/22	1.0	30	1.0	27.1	9/17	1.0	33	1.0			
WILLIAMS 82.....	43.4	9/26	1.0	30	1.0								
WILL.....	38.4	9/18	1.0	28	1.0	29.0	9/15	1.0	27	1.0			
ACCO													
PAYMASTER 351.....	40.6	9/22	1.2	34	1.0								
PAYMASTER 401.....	45.7	9/23	1.2	31	1.0	27.0	9/17	1.2	32	1.0	42.7	2.0	2.0
AGRO-SOY													
46+.....	46.2	9/16	1.0	30	1.0								
47.....	33.6	9/19	1.2	31	1.0								
AMERICANA													
REBEL.....	52.6	9/27	1.5	31	1.0								
ASGROW													
A3127.....	46.4	9/18	1.0	28	1.0	28.7	9/15	1.0	30	1.0	50.1	1.3	1.0
A3659.....	41.2	9/24	1.0	27	1.0	29.9	9/19	1.0	30	1.0			
A3860.....	45.7	9/25	1.0	27	1.0	26.4	9/16	1.2	30	1.0	53.9	1.2	1.0
BELLATTI													
SEEDMAKER 1E.....	39.7	9/24	2.0	37	1.0	24.7	9/09	1.4	37	1.0	42.8	1.2	3.0
BUTZOW													
SC333.....	38.2	9/20	1.2	36	1.0								
CALLAHAN*													
1320.....	41.1	9/12	1.0	29	1.0								
2350.....	39.9	9/14	1.3	33	1.0								
9330.....	45.8	9/18	1.7	36	1.0	29.6	9/09	1.0	34	1.0			
FFR													
2515.....	43.6	9/23	1.0	29	1.0								
3728.....	45.6	9/27	1.2	37	1.0								
FS EXP HISOY													
321.....	44.8	9/16	1.5	33	1.0								
322.....	46.4	9/18	1.2	30	1.0								
360.....	63.3	9/30	1.3	37	1.0								
FS HISOY													
320.....	37.9	9/12	1.2	33	1.0								
325.....	42.0	9/20	1.2	31	1.0	28.1	9/13	1.2	33	1.0	47.3	1.1	2.0
340.....	44.2	9/22	1.0	31	1.0	25.1	9/13	1.0	31	1.0	43.9	1.3	2.0
350.....	45.0	9/26	1.2	34	1.0	38.7	9/17	1.2	35	1.0	50.0	1.3	2.0
JACQUES													
110.....	50.2	9/25	1.0	31	1.0								
J M SCHULTZ													
EXP. 3482.....	43.2	9/25	1.2	33	1.0								
WASHINGTON V.....	37.6	9/22	1.3	31	1.0								
KITCHEN													
KSC 380.....	45.0	9/22	1.0	30	1.0								
LANDERS													
3710.....	41.0	9/16	1.0	32	1.0								
3712.....	45.9	9/27	1.2	33	1.0	38.9	9/17	1.2	35	1.0	45.4	1.3	2.0
MCCURDY													
ML3.....	44.9	9/26	1.2	38	1.0								
109+.....	49.4	9/24	1.2	40	1.0								
MERSCHMAN													
JEFFERSON III.....	44.1	9/23	1.3	31	1.0								
JEFFERSON II.....	40.8	9/17	1.2	33	1.0	26.5	9/13	1.2	34	1.0	47.4	1.3	3.0
KENNEDY.....	47.3	9/21	1.3	33	1.0	31.9	9/15	1.2	32	1.0	53.2	1.4	1.0
TRUMAN.....	40.1	9/20	1.0	29	1.0	26.5	9/12	1.0	31	1.0			
WASHINGTON V.....	43.3	9/18	1.2	32	1.0	28.7	9/14	1.3	35	1.0	49.4	1.6	3.0
MIGRO													
HP3700.....	49.2	9/27	1.5	34	1.0						41.9	1.4	1.0
NAPB													
EX 320.....	50.0	9/26	1.2	37	1.0								
EX 7117.....	46.4	9/26	1.5	40	1.0								
NORTHROP-KING													
MV32-67.....	38.8	9/15	1.2	30	1.0								
MV80.....	39.8	9/21	1.0	29	1.0	29.2	9/18	1.0	34	1.0	41.5	1.3	1.0

BROWNSTOWN (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
PFIZER GENETICS													
CB391.....	45.5	9/26	1.2	37	1.0	41.2	9/18	1.1	36	1.0	37.1	1.3	2.0
CX380.....	45.8	9/27	1.0	33	1.0	32.1	9/19	1.0	32	1.0			
RIVERSIDE													
202R.....	50.4	9/26	1.0	34	1.0								
2022.....	47.4	9/27	1.2	32	1.0								
SEEDMAKERS													
SM9-E.....	33.3	9/28	1.3	38	1.0	34.8	9/23	1.2	40	1.0	49.0	1.1	1.0
SRF													
MATSOY.....	44.5	9/20	1.2	32	1.0	35.2	9/18	1.3	37	1.0	47.4	1.3	1.0
350P.....	42.8	9/25	1.5	33	1.0	30.2	9/12	1.0	33	1.0			
TRISLER													
TRISOY 301.....	41.4	9/22	1.3	34	1.0	25.7	9/15	1.2	33	1.0			
TRISOY 302.....	43.8	9/25	1.0	32	1.0	31.0	9/17	1.0	33	1.0			
TRISOY 311.....	47.2	9/26	1.2	34	1.0								
TRISOY 312.....	42.8	9/27	1.2	29	1.0								
TRISOY 360.....	41.5	9/22	1.0	35	1.0								
VORIS													
339.....	46.8	9/26	1.2	34	1.0	35.9	9/17	1.1	36	1.0	49.2	1.3	2.0
VR													
BARON.....	44.3	9/26	1.3	37	1.0								
3393.....	47.4	9/27	1.0	33	1.0								
AVERAGE (GROUPS II & III)	43.0	..	1.2	32	1.0	29.3	..	1.1	33	1.0	44.6	1.3	1.8
L.S.D. 10% LEVEL.....	6.3	..	0.4	4	0.0	5.9	..	..	2	..	7.0	..	..
L.S.D. 30% LEVEL.....	4.0	..	0.2	2	0.0	3.7	..	..	1	..	4.4	..	..
STD ERR OF MEAN.....	2.7	..	0.2	2	0.0	2.5	..	..	1	..	3.0	..	..
MATURITY GROUP IV													
PUBLIC VARIETY													
DESOTO.....	49.6	9/30	1.3	34	1.0	31.6	9/21	1.1	36	1.0			
FRANKLIN.....	43.9	9/28	1.2	36	1.0	31.2	9/23	1.1	42	1.0	37.0	2.3	2.0
LAWRENCE.....	44.2	9/29	1.3	31	1.0								
PIXIE.....	47.5	9/27	1.0	19	1.0	29.1	9/18	1.0	17	1.0			
UNION.....	42.1	9/26	1.0	34	1.0	31.1	9/20	1.1	40	1.0			
AGRIPRO													
AP350.....	49.1	9/30	1.2	37	1.0	34.3	9/23	1.0	38	1.0	43.7	1.2	1.0
35.....	41.7	9/22	1.5	31	1.0						41.3	1.2	3.0
AGRO-SOY													
EXP-54.....	52.4	9/28	1.3	37	1.0								
68.....	42.7	9/27	1.0	31	1.0	31.9	9/24	1.0	38	1.0	44.8	2.3	2.0
69.....	54.2	10/02	1.0	37	1.0								
AMERICANA													
CONCORD.....	46.6	9/28	1.2	33	1.0	29.0	9/19	1.1	38	1.0	49.0	1.4	1.0
HANCOCK.....	57.4	9/30	1.2	34	1.0	27.8	9/23	1.0	37	1.0	42.1	2.1	2.0
REVERE.....	44.9	9/26	1.2	35	1.0								
ASGROW													
A4268.....	48.0	9/28	1.2	28	1.0	30.9	9/22	1.0	31	1.0	45.8	1.3	1.0
BELLATTI													
EXP BW.....	44.4	10/02	1.8	38	1.0	34.4	9/25	1.3	39	1.0	45.2	2.0	1.0
R-13-11.....	42.9	10/05	1.2	30	1.0	30.0	*	1.1	39	1.0	41.0	1.8	1.0
SEMI-DWARF.....	41.3	10/03	1.0	25	1.0	32.3	9/24	1.0	30	1.0	40.3	1.7	1.0
CALLAHAN													
9400.....	48.7	9/28	1.5	36	1.0	27.2	9/17	1.1	34	1.0			
FFR													
50118.....	40.8	10/03	1.2	35	1.0	32.0	9/26	1.1	41	1.0	38.2	1.6	1.0
51207.....	42.0	10/05	1.0	33	1.0								
FS EXP HISOY													
450.....	47.3	9/30	1.0	32	1.0								
FS HISOY													
425.....	48.1	9/29	1.0	34	1.0	32.4	9/21	1.1	36	1.0	39.2	2.0	2.0
GEO. KELLER & SONS CO.													
K-914.....	51.7	10/03	1.0	37	1.0								
HELENA													
STEVENS.....	52.6	10/05	1.8	43	1.0								
WILSTAR 430.....	40.3	10/07	1.2	34	1.0	31.0	*	1.2	38	1.0			
J M SCHULTZ													
EXP. 4982.....	58.4	10/03	1.2	37	1.0								
MITCHELL.....	47.6	9/27	1.0	32	1.0	36.0	9/27	1.1	36	1.0	42.9	1.8	1.0
VICTOR.....	42.0	10/01	1.0	29	1.0	29.1	9/24	1.0	36	1.0	45.6	1.5	2.0
LANDERS													
4516.....	45.8	9/28	1.2	33	1.0	30.7	9/24	1.1	39	1.0	43.8	1.7	2.0
4520C.....	44.6	9/29	1.0	35	1.0								
4920.....	51.5	10/03	1.2	36	1.0								
LEWIS													
43.....	51.1	9/27	1.2	35	1.0								
49.....	50.3	9/30	1.2	36	1.0								

* KILLED BY FROST.

BROWNSTOWN (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MERSCHMAN													
CLEVELAND.....	48.8	9/28	1.3	33	1.0	27.0	9/20	1.0	35	1.0	45.9	1.5	2.0
DALLAS.....	57.4	10/03	1.0	40	1.0								
RICHMOND.....	49.7	9/30	1.3	34	1.0	27.8	9/25	1.0	36	1.0	43.9	2.3	2.0
MIGRO													
HF4800.....	46.4	9/28	1.2	31	1.0								
NORTHTRUP-KING													
MV39-19.....	39.5	9/27	1.0	30	1.0								
MV95.....	53.6	9/30	1.3	34	1.0								
RING AROUND													
MITCHELL-450.....	49.7	10/08	1.3	37	1.0	25.7	*	1.2	38	1.0	43.2	1.4	1.0
RAX-24.....	47.8	9/29	1.0	28	1.0								
RIVERSIDE													
2024.....	47.6	9/27	1.2	36	1.0								
2025.....	45.0	9/27	1.0	35	1.0	34.3	9/23	1.0	41	1.0	43.4	1.4	2.0
VORIS													
465.....	43.4	9/27	1.2	37	1.0	29.9	9/23	1.0	42	1.0	45.7	1.9	1.0
495.....	49.3	10/05	1.2	38	1.0						38.3	1.6	1.0
UR													
DELTA.....	49.0	9/30	1.2	39	1.0	31.3	9/25	1.2	41	1.0	39.8	1.6	2.0
EXP 5005.....	45.9	10/02	1.2	34	1.0								
4004.....	50.4	9/29	1.0	40	1.0								
Maturity Group V													
RING AROUND													
RA-401.....	46.0	10/07	1.2	34	1.0						39.9	1.6	1.0
RA-402.....	43.6	10/04	1.2	38	1.0	26.1	9/29	1.1	47	1.0	42.8	1.8	1.0
RA-481.....	53.6	10/08	1.2	34	1.0						37.6	1.4	1.0
AVERAGE (GROUPS IV & V)..	47.2	..	1.2	34	1.0	29.7	..	1.1	37	1.0	41.7	1.8	1.4
L.S.D. 10% LEVEL.....	7.5	..	..	4	0.0	5.1	..	..	3	..	4.7	..	..
L.S.D. 30% LEVEL.....	4.7	..	..	3	0.0	3.3	..	..	2	..	3.0	..	..
STD ERR OF MEAN.....	3.2	..	0.2	2	0.0	2.2	..	..	1	..	2.0	..	..

* KILLED BY FROST.

**Soybean Variety Trial Results
BROWNSTOWN (7-INCH ROW SPACING)**

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
Maturity Group II													
AGRIPRO													
27.....	54.4	9/25	1.2	27	1.0						48.8	1.6	2.0
Maturity Group III													
PUBLIC VARIETY													
CUMBERLAND.....	54.6	9/25	1.0	29	1.0	30.0	9/17	1.1	31	1.0			
ELF.....	57.3	9/28	1.0	18	1.0	25.4	9/16	1.0	14	1.0	50.6	1.1	1.0
FAYETTE.....	47.9	9/27	1.3	30	1.0								
HOBBIT.....	45.0	9/18	1.0	19	1.0								
PELLA.....	57.2	9/24	1.0	30	1.0	31.6	9/14	1.0	33	1.0			
SPRITE.....	51.7	9/20	1.0	17	1.0	11.4	9/20	1.0	14	1.0			
WILLIAMS 79.....	49.5	9/25	1.0	31	1.0	29.0	9/16	1.0	30	1.0			
WILLIAMS 82.....	51.6	9/26	1.0	31	1.0								
WILL.....	41.2	9/17	1.0	26	1.0	25.8	9/14	1.0	31	1.0	46.1	1.2	1.0
AGRO-SOY													
46+.....	48.4	9/23	1.2	28	1.0								
47.....	54.4	9/21	1.0	32	1.0								
ASGROW													
A3127.....	42.8	9/22	1.0	26	1.0	34.9	9/19	1.0	31	1.0	56.7	1.2	1.0
A3659.....	42.6	9/24	1.0	24	1.0	36.2	9/16	1.0	31	1.0			
FS HISOY													
320.....	47.8	9/18	1.3	31	1.0								
325.....	46.8	9/23	1.2	29	1.0	29.1	9/16	1.2	33	1.0			
340.....	46.7	9/24	1.2	29	1.0	27.5	9/12	1.0	33	1.0			
350.....	57.4	9/28	1.3	32	1.0	34.6	9/16	1.2	34	1.0			

BROWNSTOWN (7-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
GOLD TAG													
1340.....	43.2	9/16	1.3	29	1.0								
J M SCHULTZ													
EXP. 3482.....	55.4	9/24	1.0	28	1.0								
WASHINGTON V.....	47.8	9/23	1.0	26	1.0								
KITCHEN													
KSC 380.....	59.5	9/25	1.2	30	1.0								
MCCURDY													
ML3.....	49.8	9/25	1.0	32	1.0	33.9	9/16	1.4	35	1.0			
109+.....	51.3	9/24	1.2	33	1.0								
MERSCHMAN													
TRUMAN.....	48.2	9/23	1.0	27	1.0								
NORTHROP-KING													
MV32-67.....	49.0	9/19	1.3	29	1.0								
MV80.....	48.8	9/24	1.0	31	1.0								
PFIZER GENETICS													
CX380.....	47.6	9/24	1.0	28	1.0								
SRF													
MATSOY.....	53.7	9/23	1.3	32	1.0	28.1	9/16	1.3	34	1.0			
350P.....	54.6	9/25	1.0	30	1.0								
VORIS													
339.....	55.7	9/25	1.2	32	1.0	32.7	9/14	1.0	32	1.0			
VR													
3393.....	44.9	9/26	1.0	29	1.0								
AVERAGE (GROUPS II & III)	49.6	..	1.1	28	1.0	29.6	..	1.1	30	1.0	45.6	1.7	1.8
L.S.D. 10% LEVEL.....	7.4	4	0.0	4.5	2	..	4.7
L.S.D. 30% LEVEL.....	4.6	2	0.0	2.8	1	..	2.9
STD ERR OF MEAN.....	3.2	..	0.1	2	0.0	1.9	1	..	2.0
MATURITY GROUP IV													
PUBLIC VARIETY													
DESOTO.....	50.2	9/29	1.2	32	1.0	31.6	9/21	1.0	36	1.0			
FRANKLIN.....	52.6	9/28	1.5	37	1.0	27.2	9/22	1.1	38	1.0			
LAWRENCE.....	48.1	9/29	1.3	28	1.0								
PXIE.....	49.4	9/27	1.0	18	1.0	24.3	9/18	1.0	16	1.0			
UNION.....	52.5	9/28	1.7	38	1.0	34.2	9/19	1.1	36	1.0			
AGRIPRO													
AP350.....	62.4	10/04	2.3	39	1.0	27.7	9/27	1.1	33	1.0			
35.....	46.1	9/25	1.7	31	1.0								
AGRO-SDY													
68.....	40.2	9/28	1.3	33	1.0								
69.....	54.4	10/01	1.7	35	1.0								
ASGROW													
A4268.....	54.7	9/28	1.0	29	1.0	31.5	9/22	1.0	30	1.0	49.3	1.2	1.0
BELLATTI													
SEMI-DWARF.....	43.7	9/29	1.2	25	1.0								
GOLD TAG													
1440.....	49.2	10/04	1.3	33	1.0								
HELENA													
STEVENS.....	59.1	10/07	1.7	40	1.0								
J M SCHULTZ													
EXP. 4982.....	54.9	10/02	1.7	36	1.0								
MITCHELL.....	54.7	10/06	2.2	33	1.0								
VICTOR.....	44.7	9/30	1.2	32	1.0								
LANDERS													
4920.....	59.3	10/02	1.3	32	1.0								
LEWIS													
47.....	56.2	9/30	1.3	29	1.0								
49.....	47.9	10/02	1.3	32	1.0								
MCCURDY													
500A.....	54.4	9/26	1.3	32	1.0	32.5	9/24	1.1	30	1.0			
MIGRO													
HP4800.....	48.4	9/26	1.2	26	1.0								
NORTHROP-KING													
MV95.....	50.0	9/30	1.3	31	1.0								
S40-44.....	39.7	9/26	1.0	26	1.0								
RIVERSIDE													
2024.....	48.2	9/27	1.5	35	1.0								
VORIS													
465.....	53.5	9/27	1.7	37	1.0								
495.....	49.6	10/04	1.5	35	1.0								
AVERAGE.....	50.4	..	1.4	32	1.0	29.2	..	1.1	34	1.0	44.8	1.6	1.6
L.S.D. 10% LEVEL.....	8.0	4	0.0
L.S.D. 30% LEVEL.....	5.0	2	0.0
STD ERR OF MEAN.....	3.4	..	0.3	2	0.0	2.2	2.4

**Soybean Variety Trial Results
BELLEVILLE (30-INCH ROW SPACING)**

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODGE- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODGE- ING	SHAT- TERING
MATURITY GROUP II													
AGRIPRO													
27.....	47.8	9/30	1.5	34	1.0						50.3	3.0	1.0
GEO. KELLER & SONS CO.													
K-915.....	49.6	9/29	1.8	30	2.0								
VORIS													
295.....	46.2	9/29	2.0	39	1.3								
MATURITY GROUP III													
PUBLIC VARIETY													
CUMBERLAND.....	56.7	9/28	1.5	30	1.0	46.5	NA	3.5	44	2.0	49.5	1.5	1.0
ELF.....	37.5	9/27	1.0	14	1.0	50.2	NA	1.2	23	1.0	42.0	1.2	1.0
FAYETTE.....	54.6	9/30	1.8	38	1.3								
PELLA.....	49.0	9/28	1.0	32	1.0	43.6	NA	1.8	43	2.0			
SPRITE.....	31.3	9/29	1.0	14	1.0	45.1	NA	1.1	23	1.0			
WILLIAMS 79.....	44.3	9/29	1.5	35	1.0	44.9	NA	3.3	47	2.0			
WILLIAMS 82.....	55.6	9/28	1.5	35	1.0								
WILL.....	44.8	9/28	1.0	23	1.0	44.1	NA	2.0	38	1.0			
ASGROW													
A3659.....	47.4	9/29	1.2	27	1.0	47.4	NA	1.3	38	2.0			
A3860.....	52.1	10/03	1.3	32	1.0	45.8	NA	2.6	42	1.0	49.7	3.5	1.0
CALLAHAN													
2380.....	50.2	10/05	1.8	38	1.0								
FS EXP HISOY													
360.....	52.4	10/01	1.5	36	1.0								
FS HISOY													
340.....	40.7	9/28	1.5	35	1.0	42.7	NA	2.2	49	2.0	50.9	1.8	1.0
350.....	45.5	10/04	1.7	33	1.0	47.0	NA	3.3	51	2.0	50.8	3.2	1.0
GEO. KELLER & SONS CO.													
GRANT.....	52.2	9/27	2.5	32	1.3	36.5	NA	4.0	51	2.0			
K-910.....	52.8	10/03	1.8	37	1.0	44.0	NA	2.6	47	2.0			
J M SCHULTZ													
EXP. 3482.....	51.0	9/30	1.5	31	1.0								
WASHINGTON V.....	46.5	9/27	1.7	30	1.0	37.3	NA	3.0	47	2.0			
LANDERS													
3710.....	47.8	9/28	1.8	32	1.0								
3712.....	42.8	9/28	1.5	34	1.0	34.3	NA	3.5	48	2.0			
MIGRO													
HP3700.....	53.4	9/28	2.0	37	1.0						55.9	2.7	1.0
NAPB													
EX 320.....	50.5	9/30	1.7	39	1.0								
EX 7117.....	50.3	9/29	1.7	40	1.0								
NORTHROP-KING													
MV80.....	51.7	9/30	1.3	34	1.0	45.6	NA	2.3	36	1.0	50.7	1.7	1.0
PFIZER GENETICS													
CX380.....	46.3	10/01	1.5	35	1.0	45.8	NA	2.3	48	1.0			
RING AROUND													
RAX-23.....	44.8	10/03	1.7	35	1.0								
RA-36.....	52.4	10/06	1.5	34	1.0								
RIVERSIDE													
202R.....	47.4	9/28	1.3	29	1.0								
2022.....	47.0	10/01	1.5	32	1.0								
SEEDMAKERS													
SM9-E.....	54.4	10/02	1.5	39	1.0	41.2	NA	2.7	51	2.0	50.0	2.3	1.0
VORIS													
339.....	53.4	10/01	1.7	34	1.0	42.6	NA	3.6	46	2.0			
AVERAGE (GROUPS II & III)	48.5	..	1.6	33	1.1	42.9	..	2.5	44	1.9	50.0	..	..
L.S.D. 10% LEVEL.....	5.9	..	0.5	4	0.2	4.5	..	..	..	..	4.9	..	..
L.S.D. 30% LEVEL.....	3.7	..	0.3	2	0.1	2.8	..	..	..	..	3.0	..	..
STD ERR OF MEAN.....	2.5	..	0.2	2	0.1	1.9	..	..	..	..	2.1	..	..

NA--NOT AVAILABLE.

Soybean Variety Trial Results
CARBONDALE (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
MATURITY GROUP III													
PUBLIC VARIETY													
CUMBERLAND.....	27.1	9/25	1.0	26	1.0						45.3	1.1	1.0
ELF.....	16.1	9/28	1.0	15	1.0						37.2	1.0	1.0
FAYETTE.....	23.1	9/29	1.0	28	1.0								
PELLA.....	14.7	9/23	1.0	24	1.5								
SPRITE.....	20.6	9/26	1.0	18	1.0								
WILLIAMS 79.....	25.3	10/02	1.0	31	1.0	25.6	9/08	1.0	33	2.0			
WILLIAMS 82.....	21.2	9/29	1.0	30	1.0								
WILL.....	24.0	9/25	1.0	25	1.0								
ACCO													
PAYMASTER 401.....	25.4	9/28	1.0	22	1.5	25.1	9/15	1.2	33	2.0	49.8	1.1	1.0
ASGROW													
A3659.....	22.9	9/26	1.0	21	1.0								
A3860.....	24.1	9/29	1.0	25	1.0								
CALLAHAN													
2380.....	16.9	9/26	1.0	25	1.5								
FS EXP HISOY													
360.....	22.2	9/28	1.0	30	1.5								
FS HISOY													
340.....	19.7	9/28	1.0	28	1.0	27.1	9/11	1.1	34	1.0			
350.....	26.7	9/28	1.0	30	1.0	31.7	9/15	1.0	31	2.0			
J M SCHULTZ													
WASHINGTON V.....	21.6	9/24	1.0	28	2.0								
PFIZER GENETICS													
CB391.....	28.5	9/27	1.0	26	1.0	27.4	9/11	1.0	30	2.0	46.8	1.2	1.0
RIDGWAY													
B7313.....	22.9	9/27	1.0	28	1.0	32.0	9/15	1.0	33	1.0			
B7326.....	23.6	9/27	1.0	28	1.0	27.0	9/15	1.1	31	1.0			
VR													
BARON.....	21.9	9/27	1.0	31	1.0								
AVERAGE.....	22.4	..	1.0	26	1.2	26.6	..	1.1	31	1.7	45.3	1.2	1.0
L.S.D. 10% LEVEL.....	..	..	0.0	6	..	6.4	..	..	3	..	5.5	..	..
L.S.D. 30% LEVEL.....	..	..	0.0	3	..	3.9	..	..	2	..	3.4	..	..
STD ERR OF MEAN.....	2.4	..	0.0	2	0.2	2.7	..	..	1	..	2.3	..	..
MATURITY GROUP IV													
PUBLIC VARIETY													
DESOTO.....	26.0	9/30	1.0	30	1.0	23.6	9/18	1.0	33	1.0			
FRANKLIN.....	29.3	9/29	1.5	34	1.0	25.7	9/15	1.0	36	1.0	49.0	1.5	1.0
LAWRENCE.....	23.7	9/30	1.0	27	1.0								
PIXIE.....	26.4	9/29	1.0	17	1.0								
UNION.....	26.0	10/01	1.0	33	1.0	27.8	9/11	1.0	35	2.0	53.6	1.2	1.0
AGRIPRO													
AP350.....	22.5	10/01	1.0	30	1.0	20.7	9/15	1.0	32	2.0	53.3	1.4	1.0
AGRO-SOY													
68.....	23.6	9/29	1.0	30	1.5	22.7	9/18	1.2	32	1.0	54.7	1.2	1.0
69.....	29.1	10/08	1.0	37	1.0								
ASGROW													
A4268.....	27.7	9/30	1.0	26	1.0	27.2	9/15	1.0	30	1.0	57.4	1.2	1.0
CALLAHAN													
1450.....	30.1	10/02	1.0	37	1.0								
COKER													
78-113.....	20.9	10/03	1.0	29	1.0								
79-25.....	23.6	10/21	1.0	27	1.0								
FFR													
50118.....	26.5	10/08	1.0	30	1.0	24.4	9/22	1.1	34	1.0	48.2	1.7	1.0
51207.....	28.5	10/01	1.0	31	1.0								
FS EXP HISOY													
450.....	33.0	10/08	1.0	29	1.0								
FS HISOY													
425.....	25.8	10/01	1.0	33	1.5	23.1	9/15	1.2	33	2.0	55.7	1.5	1.0
480.....	34.2	9/29	1.0	35	1.0	25.0	*	1.0	36	1.0			
FUNK													
G-3443.....	31.2	9/30	1.0	31	1.0	22.4	9/08	1.3	33	2.0			
HELENA													
STEVENS.....	24.7	10/08	1.3	38	1.0								
WILSTAR 430.....	21.3	10/08	1.0	31	1.0								

* KILLED BY FROST.

CARBONDALE (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
J M SCHULTZ													
EXP. 4982.....	37.0	10/08	1.0	37	1.0								
MITCHELL.....	28.8	10/08	1.0	30	1.0	24.6	9/22	1.1	33	2.0	48.8	1.6	1.0
VICTOR.....	27.1	9/30	1.0	33	1.5	22.7	9/18	1.0	33	2.0			
LEWIS													
42.....	23.1	9/30	1.0	31	1.0	26.2	9/15	1.0	35	1.0	46.0	1.5	1.0
47.....	27.6	9/29	1.0	30	1.0								
MIGRO													
HP4800.....	26.4	10/01	1.0	26	1.0								
NORTHROP-KING													
MV39-19.....	27.2	9/29	1.0	28	1.0								
MV95.....	25.4	10/03	1.0	35	1.0								
S40-44.....	23.6	9/28	1.0	25	1.0								
PFIZER GENETICS													
CB425.....	31.6	10/02	1.3	36	1.0	25.4	9/15	1.2	37	1.0			
RIDGWAY													
B7427.....	26.9	10/27	1.0	26	1.0	24.2	9/15	1.1	34	2.0			
B7435.....	25.7	10/08	1.0	33	1.0								
B7438.....	25.2	9/30	1.0	30	1.0								
RING AROUND													
MITCHELL-450.....	19.8	10/08	1.0	31	1.0	24.6	10/06	1.0	37	1.0	42.6	1.8	1.0
SRF													
425.....	29.8	9/28	1.0	36	1.0								
450.....	19.2	10/08	1.0	30	1.0								
VR													
DELTA.....	27.2	10/01	1.5	37	1.0	25.3	9/22	1.0	36	1.0			
EXP 5005.....	20.0	9/29	1.0	32	1.0								
4004.....	27.6	10/02	1.3	37	1.0								
AVERAGE.....	26.5	..	1.0	31	1.0	24.4	..	1.1	34	1.6	48.7	1.6	1.0
L.S.D. 10% LEVEL.....	5.1	..	0.2	6	..	..	..	..	3	..	4.8	..	..
L.S.D. 30% LEVEL.....	3.2	..	0.1	4	..	..	..	..	2	..	3.0	..	..
STD ERR OF MEAN.....	2.1	..	0.1	2	0.1	2.1	..	..	1	..	2.1	..	..
MATURITY GROUP V													
PUBLIC VARIETY													
ESSEX.....	27.8	10/21	1.0	31	1.0	31.2	10/06	1.5	26	1.0	52.3	2.4	1.0
NATHAN.....	23.3	10/21	1.5	39	1.0	24.2	10/06	3.0	32	1.0			
AGRIPRO													
AP 55.....	17.6	10/27	1.2	40	1.0								
ASGROW													
A5474.....	24.6	10/27	1.0	34	1.0	30.6	*	1.5	33	1.0			
A5618.....	22.4	10/27	1.3	34	1.0	32.1	*	1.5	37	1.0	48.3	2.4	1.0
COKER													
79-4.....	24.5	10/21	1.0	27	1.0								
79-5.....	26.8	10/21	1.0	28	1.0								
HELENA													
EXP. HB-46601-5.....	20.1	10/27	1.5	41	1.0								
WILSTAR 550.....	11.8	10/27	1.3	37	1.0								
RIDGWAY													
GALLATIN 80.....	25.8	10/21	1.2	32	1.0	28.8	10/06	1.5	37	1.0	51.5	1.4	1.0
RING AROUND													
RA-481.....	20.4	10/21	1.0	30	1.0	27.6	*	1.5	34	1.0	44.4	1.6	1.0
VR													
8027.....	19.5	10/27	1.3	36	1.0								
AVERAGE.....	22.1	..	1.2	34	1.0	28.4	..	2.0	35	1.1	46.9	2.3	1.0
L.S.D. 10% LEVEL.....	6.0	..	0.3	5	0.0	2.4	..	0.4	3	..	2.6	..	..
L.S.D. 30% LEVEL.....	3.7	..	0.2	3	0.0	1.4	..	0.3	2	..	1.6	..	..
STD ERR OF MEAN.....	2.5	..	0.1	2	0.0	1.0	..	0.2	1	0.1	1.1	..	..

* KILLED BY FROST.

Soybean Variety Trial Results
DIXON SPRINGS (30-INCH ROW SPACING)

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
Maturity Group III													
PUBLIC VARIETY													
CUMBERLAND.....	31.5	10/04	1.0	27	1.0						48.3	3.4	1.0
ELF.....	36.1	10/09	1.0	17	1.0	46.1	9/18	1.0	20	1.0	46.4	3.0	1.0
FAYETTE.....	37.7	10/05	1.7	33	1.0								
HOBBIT.....	38.4	10/06	1.0	20	1.0								
PELLA.....	37.8	10/04	1.5	27	1.0	54.5	9/13	1.1	46	1.0			
SPRITE.....	38.5	10/05	1.2	20	1.0	42.2	9/09	1.0	23	1.0			
WILLIAMS 79.....	42.6	10/05	1.3	31	1.0	47.3	9/15	3.0	48	1.0			
WILLIAMS 82.....	43.0	10/08	1.2	32	1.0								
WILL.....	39.4	10/02	1.3	25	1.0								
ASGROW													
A3659.....	40.2	10/08	1.0	26	1.0								
A3860.....	41.9	10/10	1.0	30	1.0								
FS EXP HISOY													
360.....	40.7	10/09	1.3	34	1.0								
FS HISOY													
340.....	38.3	10/03	1.5	31	1.0								
350.....	41.6	10/09	1.5	35	1.0	46.2	9/17	1.5	48	1.0			
GOLD TAG													
1380.....	47.7	10/07	1.5	37	1.0	59.2	9/24	1.3	48	1.0			
J M SCHULTZ													
WASHINGTON V.....	36.1	10/04	1.2	31	1.0								
PFIZER GENETICS													
CB391.....	43.6	10/05	1.7	36	1.0	44.9	9/18	1.1	51	1.0	48.8	2.4	1.0
RIDGWAY													
B7313.....	38.4	10/07	1.0	30	1.0	47.3	9/20	2.7	46	1.0			
B7326.....	43.4	10/09	1.3	33	1.0	46.3	9/22	2.4	49	1.0			
RING AROUND													
RAX-23.....	41.8	10/10	1.2	35	1.0								
RA-36.....	45.4	10/11	1.5	37	1.0								
AVERAGE.....	40.2	..	1.3	30	1.0	49.0	..	1.8	44	1.0	48.6	3.0	1.0
L.S.D. 10% LEVEL.....	..	..	0.3	3	0.0	..	..	..	3	..	..	..	..
L.S.D. 30% LEVEL.....	..	..	0.2	2	0.0	..	..	..	2	..	..	..	..
STD ERR OF MEAN.....	2.9	..	0.1	1	0.0	5.6	..	..	1	..	3.4	..	..

Maturity Group IV

PUBLIC VARIETY													
DESOTO.....	46.2	10/09	1.2	35	1.0	55.8	9/22	1.6	51	1.0			
FRANKLIN.....	43.2	10/10	1.5	40	1.0	41.0	9/23	2.0	52	1.0	52.8	2.0	1.0
LAWRENCE.....	40.2	10/11	1.0	34	1.0								
PXIE.....	48.6	10/10	1.2	21	1.0	57.1	9/18	1.0	23	1.0			
UNION.....	44.9	10/10	1.2	39	1.0	44.3	9/20	3.0	49	1.0	48.8	2.6	1.0
AGRIPRO													
AP350.....	50.2	10/15	1.3	42	1.0	53.5	9/23	1.3	53	1.0	54.5	4.6	1.0
AGRO-SOY													
68.....	45.7	10/12	1.3	37	1.0	49.0	9/23	1.2	48	1.0			
69.....	48.6	10/17	1.2	37	1.0								
ASGROW													
A4268.....	43.7	10/12	1.0	32	1.0								
BELLATTI													
EXP BW.....	46.9	10/11	1.7	37	1.0	46.7	9/18	3.3	51	1.0	52.3	4.8	1.0
R-13-11.....	36.8	10/18	1.2	32	1.0								
SEMI-DWARF.....	46.4	10/17	1.3	31	1.0	48.0	9/24	2.4	38	1.0	57.0	3.7	1.0
COKER													
78-113.....	43.3	10/17	1.7	37	1.0								
79-25.....	39.6	10/15	1.3	31	1.0								
FS EXP HISOY													
450.....	48.6	10/11	1.5	35	1.0								
FS HISOY													
425.....	46.8	10/11	1.3	35	1.0	52.7	9/22	2.0	46	1.0	58.1	3.5	1.0
480.....	44.2	10/15	1.2	38	1.0	56.0	*	2.7	51	1.0			
FUNK													
G-3443.....	41.6	10/05	1.7	36	1.0	46.5	9/18	2.2	49	1.0			
GOLD TAG													
1440.....	47.5	10/11	1.2	37	1.0	55.2	9/29	4.2	43	1.0			
HELENA													
STEVENS.....	43.4	10/12	1.3	41	1.0								
WILSTAR 430.....	44.7	10/15	1.2	37	1.0								

* KILLED BY FROST.

DIXON SPRINGS (30-INCH ROW SPACING), continued

BRAND VARIETY OR BLEND	1981 RESULTS					1980 RESULTS					1979 RESULTS		
	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	MAT. DATE	LODG- ING	HEIGHT (INCH)	SHAT- TERING	YIELD BU/A	LODG- ING	SHAT- TERING
J M SCHULTZ													
EXP. 4982.....	52.8	10/13	1.5	41	1.0								
MITCHELL.....	47.1	10/15	1.0	35	1.0	49.9	9/29	2.2	48	1.0	61.0	4.1	1.0
VICTOR.....	42.0	10/12	1.2	33	1.0	51.6	9/20	1.6	48	1.0			
LANDERS													
4516.....	44.7	10/12	1.5	39	1.0								
4520C.....	41.5	10/15	1.3	39	1.0								
4920.....	47.0	10/17	1.3	40	1.0								
MIGRO													
HF4800.....	47.2	10/08	1.0	29	1.0								
NORTHRUP-KING													
MV39-19.....	46.4	10/11	1.2	34	1.0								
MV95.....	49.2	10/15	1.3	35	1.0								
S40-44.....	43.5	10/06	1.3	34	1.0								
PFIZER GENETICS													
CB425.....	44.6	10/11	1.2	37	1.0	46.4	9/23	2.6	52	1.0			
RIDGWAY													
B7427.....	45.5	10/10	1.3	37	1.0	51.0	9/18	2.3	50	1.0			
B7435.....	42.8	10/13	1.5	39	1.0								
B7438.....	44.0	10/13	1.3	37	1.0								
RING AROUND													
MITCHELL-450.....	44.2	10/19	1.3	38	1.0	37.4	*	2.7	51	1.0	63.4	3.5	1.0
RAX-24.....	43.8	10/14	1.8	35	1.0								
SRF													
425.....	46.2	10/10	1.3	37	1.0						52.4	3.8	1.0
450.....	36.3	10/15	1.2	35	1.0								
AVERAGE.....	44.9	..	1.3	36	1.0	49.8	..	2.3	48	1.0	55.1	3.4	1.0
L.S.D. 10% LEVEL.....	5.8	..	0.4	4	0.0	5.5	..	..	4	..	6.3	..	..
L.S.D. 30% LEVEL.....	3.6	..	0.2	2	0.0	3.4	..	..	3	..	3.9	..	..
STD ERR OF MEAN.....	2.5	..	0.2	2	0.0	2.3	..	..	2	..	2.7	..	..
MATURITY GROUP V													
PUBLIC VARIETY													
ESSEX.....	40.1	10/24	1.0	31	1.0	42.1	*	2.5	36	1.0	56.6	3.3	1.0
NATHAN.....	34.2	10/24	1.8	38	1.0								
AGRIPRO													
AP 55.....	32.2	10/29	1.7	37	1.0								
ASGROW													
A5474.....	36.3	10/30	1.5	35	1.0								
A5618.....	36.6	10/30	1.7	37	1.0								
COKER													
79-4.....	38.9	10/23	1.0	25	1.0								
79-5.....	42.0	10/24	1.0	28	1.0								
HELENA													
EXP. HB-46601-5.....	28.5	10/30	1.8	39	1.0								
WILSTAR 550.....	27.2	10/30	1.7	37	1.0								
RIDGWAY													
GALLATIN 80.....	37.1	10/17	1.2	36	1.0	36.5	*	2.0	43	2.0	57.7	3.4	1.0
RING AROUND													
RA-401.....	38.4	10/15	1.0	34	1.0						61.3	2.8	1.0
RA-402.....	35.9	10/13	1.0	41	1.0	46.7	9/30	3.7	58	1.0	52.7	3.0	1.0
RA-481.....	40.7	10/24	1.3	37	1.0	46.5	*	2.5	47	1.0	64.2	2.8	1.0
AVERAGE.....	36.0	..	1.4	35	1.0	37.1	..	2.7	41	1.1	55.5	3.6	1.0
L.S.D. 10% LEVEL.....	5.7	..	0.5	3	0.0	8.3	..	1.0	4	..	5.2	..	..
L.S.D. 30% LEVEL.....	3.5	..	0.3	2	0.0	5.1	..	0.4	2	..	3.1	..	..
STD ERR OF MEAN.....	2.3	..	0.2	1	0.0	3.4	..	0.4	2	0.2	2.0	..	..

* KILLED BY FROST.