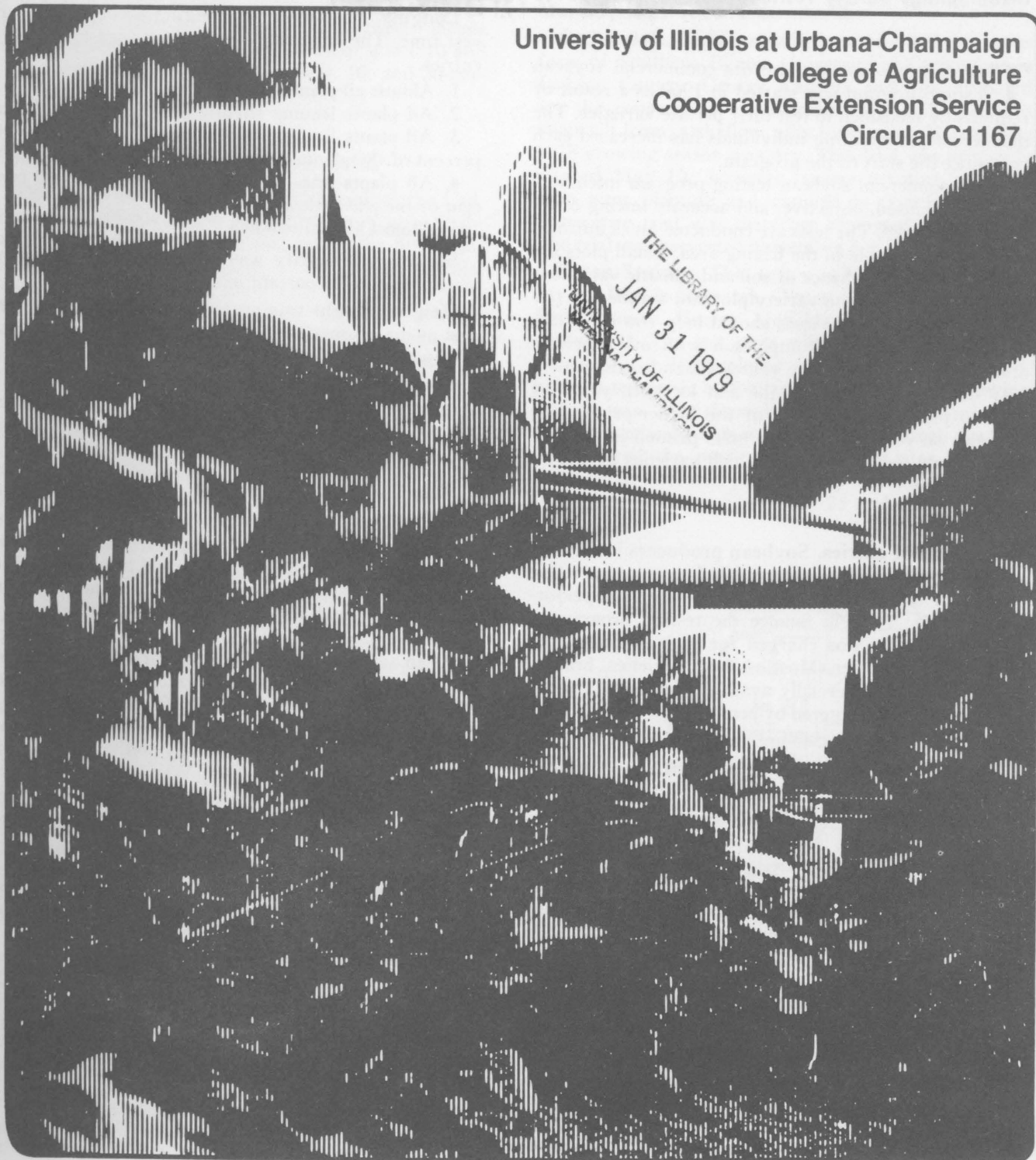


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Performance of Commercial Soybeans in Illinois 1978

University of Illinois at Urbana-Champaign
College of Agriculture
Cooperative Extension Service
Circular C1167



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

This commercial soybean testing program intends 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.

Plan of the Tests

Selection of entries. Soybean producers in Illinois and surrounding states were invited to enter varieties, brands, or blends in the 1978 Illinois soybean performance trials. To help finance the testing program, a fee of 35 dollars was charged for each entry entered by the seed producer. Most of these varieties, brands, or blends are commercially available, but experimental varieties were also entered by producers.

Entries. A total of 543 entries were tested in 1978.

Number and location of tests. Eight separate tests were conducted in Illinois in 1978. These sites represent major soils and maturity zones of the state.

Field plot design. All tests were arranged in randomized complete block designs with either three or four replications, depending upon available space at each location. Each variety plot was four 30-inch rows wide and 25 feet long. The middle two rows of each plot were harvested to measure yield.

Fertility and weed control. All test locations were at a high level of fertility. A herbicide was used at all test locations for weed control. All plots were also weeded by hand for additional control of weeds.

Method of planting and harvesting. The variety trials were planted with a modified bean planter. Harvesting was done with a small-plot combine. No allowances were made for beans that may have been lost due to combining or shattering.

Measuring Performance

Seed germinations. Each brand, variety, or blend entered was tested for percent emergence under both field and greenhouse conditions. Field germination tests were planted May 19 and the results recorded June 5. Greenhouse germinations were planted June 1 and the results recorded June 7.

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

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.

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

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

Comparing entries. In any test of plant material, it is impossible to measure performance exactly. 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, 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 III statistical error

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.

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 which 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.

Growing Conditions on 1978 Test Fields

DeKalb. The DeKalb test was located on the University's Northern Illinois Research Center near Shabbona in DeKalb County. Richard Bell is the field manager and Derrell L. Mulvaney is the area agronomist in charge of research at the Center. The soil type is Flanagan silt loam, a dark-brown adequately drained soil of high fertility. The 1978 growing season was good. The trial was planted May 24 and harvested October 19 and 20.

Elwood. This test was conducted at the Northwestern Illinois Agronomy Research Center in Will County. Dale Harshbarger is the field manager, and D. L. Mulvaney is in charge of research at the center. Although the early growing season was fair, dry conditions prevailed during July and August. The test was planted May 25 and harvested September 26.

Macomb. The test was conducted at the Agricultural Experimental Station of Western Illinois University at Macomb in McDonough County, where Frank Gardner and Gordon Roscamp are the agronomists in charge. The tests were conducted on an Ipava soil. The 1978 growing season was somewhat dry. The field was planted May 22 and harvested October 27.

Urbana. This variety trial was located on the Agronomy South Farm of the University of Illinois at Urbana-Champaign in Champaign County. M. G. Oldham is the farm manager. The field on which the test plots were located is a level, heavy-textured Drummer silty clay loam. The 1978 growing season was excellent. The trial was planted May 19 and harvested according to maturity on September 19 and 30, and October 16.

Brownstown. This test was located on the University's Brownstown Research Center in Fayette County. Frank Zajicek is the agronomist in charge. The test plots were located on a Cisne silt loam, a poorly drained gray prairie soil with a well-developed claypan. The natural fertility of this soil is not high, but good fertil-

ization practices and crop rotations have brought the yield potential of the field to a moderately high level. The 1978 growing season was extremely dry. Poor field conditions during late May delayed planting until June 9. The trial was harvested October 17 and 18.

Belleville. This test was located on the Southern Illinois University Research Center at Belleville in St. Clair County. George Kapusta and Chuck Strieker are the cooperating agronomists. The trial was located on Ebbert silt loam soil. The 1978 growing season was generally good for soybeans. This test was planted May 30 and harvested November 2.

Carbondale. This test was located on the campus farm of Southern Illinois University at Carbondale in Jackson County. George Kapusta and Jim Hubbard are the cooperating agronomists. The soil type is a Weir silt loam, a shallow, silty loam over claypan. The 1978 growing season was dry. This trial was originally planted May 10; however, severe crusting occurred soon after planting and resulted in poor emergence. The entire trial was therefore replanted on June 13. The trial was harvested November 3.

Dixon Springs. This test was located on the University of Illinois Research Center at Dixon Springs in Pope County. George McKibben is the cooperating agronomist. The test plots were located on a Sharon silt loam—a light-colored, moderately well-drained, medium-textured, bottomland soil. The 1978 growing season was dry through July; however, rains in August combined with warm weather through September favored the performance of the later maturing entries. The trial was planted May 9 and harvested according to maturity September 25 and November 11.



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

Sources of Seed

<p>ACCO, ACCO Seed Co., P.O. Box 9, Belmond, IA 50421 Ag Seeds, Ag Seeds, Inc., Box 316, Carthage, IL 62321 Americana, Americana Seeds, Inc., Bowen, IL 62316 Anderson, The Andersons, P.O. Box 119, Maumee, OH 43537 Asgrow, Asgrow Seed Co., Des Moines, IA 50310 Bellatti, Louis Bellatti, R.R. 2, Mt. Pulaski, IL 62548 Butzow, Marshall Butzow, Sidney, IL 61877 Callahan, Callahan Enterprises, Inc., 720 W. 169th St., Westfield, IN 46074 Clemens, Pfizer Genetics, Inc., Beaman, IA 50609 Dairyland, Dairyland Research International, R.R. 1, Clinton, WI 53525 Co-op, Farmland Industries, Inc., P.O. Box 7305, Kansas City, MO 64116 FFR, FS Services, Inc., 1701 Towanda Av., Bloomington, IL 62701 FFR, Farmers Forage Research Cooperative, 4112 E. State Road 225, West Lafayette, IN 47906 Funk, Funk Seeds International, Bloomington, IL 61701 Goldtag, Ferry-Morse Seed Co., P.O. Box 24, Geneseo, IL 61254 Hisoy, FS Services, Inc., 1701 Towanda Av., Bloomington, IL 62701 Hoblit, Hoblit Seed Co., Atlanta, IL 61723 J.M.S., J. M. Schultz Seed Co., Dieterich, IL 62424 Jones, Jones Farm Store, Ridgway, IL 62979 Kruger, Kruger Seed Co., Rt. 4, Cedar Falls, IA 50613</p>	<p>Landers, Landers Seed Co., Sullivan, IL 61951 Lewis, Lewis Seeds, Inc., Box 36, Ursa, IL 62376 Masco, McAllister Seed Co., Mt. Pleasant, IA 52641 McCurdy, McCurdy Seed Co., Fremont, IA 52561 N.A.P.B., North American Plant Breeders, Rt. 2, New Highway 30 East, Ames, IA 50010 Northrup King, Northrup King Co., P.O. Box 49, Washington, IA 52353 Nu-Soy, Nu-Soy Seeds, Dale Ewing, Box 322, Jewell, IA 50130 Peterson, Peterson Soybean Seed Division, Pioneer Hi-Bred International, Inc., P.O. Box 3146, Champaign, IL 61820 Pride, Pride Company Inc., Glen Haven, WI 53810 Ring Around, Ring Around Seed, P.O. Box 1629, Plainview, TX 79072 Riverside, Lynnville Seed Co., Lynnville, IA 50153 Seedkem, Seedkem Inc., Box 227, Greensburg, IN 47240 Seedmakers, Seedmakers, Inc., Princeville, IL 61559 Smith's, Hebron Smith, Rt. 2, Box 59-B, Goodlettsville, TN 37072 SRF, Soybean Research Foundation, Inc., P.O. Box 72, Mason City, IL 62664 Stewart, Stewart Seeds, Inc., R.R. 8, Box 227, Greensburg, IN 47240 Supersoy, Stewart Hybrids, R.R. 1, Princeville, IL 61559 Voris, Voris Seeds, Inc., Box 457, Windfall, IN 46076 V.R., V.R. Seeds, Inc., Box M, Plymouth, IN 46563</p>
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Seed Germinations

Company source	Brand (X) Variety (V) or Blend (B)	Greenhouse germination (pct.)	Field germination (pct.)	Company source	Brand (X) Variety (V) or Blend (B)	Greenhouse germination (pct.)	Field germination (pct.)
Acco	201 (B)	96	82	McCurdy	104 (XB)	98	83
Acco	301 (B)	86	89	McCurdy	107 (XB)	96	89
Ag Seeds	7250 (V)	90	73	McCurdy	109+ (XB)	84	89
Ag Seeds	7460 (V)	88	89	McCurdy	500A (XB)	92	91
Ag Seeds	B7250 (B)	88	75	McCurdy	500B (XB)	94	90
Ag Seeds	B7460 (B)	90	67	NAPB	Agripro 14 (B)	82	79
Americana	XK262 (V)	92	81	NAPB	Agripro 18 (B)	90	75
Americana	XK351 (V)	80	61	NAPB	Agripro 20 (V)	82	78
Americana	XK505 (V)	90	85	NAPB	Agripro 25 (V)	88	82
Americana	XK585 (V)	86	62	NAPB	Agripro 27 (V)	86	86
Americana	XR66 (B)	84	73	NAPB	Agripro 35 (V)	90	89
Americana	XR70 (B)	74	86	NAPB	Exp 0314 (V)	98	93
Americana	Hancock (V)	80	84	NAPB	Exp 01614 (V)	88	91
Anderson	APS200 (V)	96	87	NAPB	Exp 1955 (V)	92	89
Anderson	APS300 (V)	90	87	NAPB	Exp 9917 (V)	94	92
Asgrow	A1564 (V)	84	76	NAPB	Exp 11320 (V)	96	90
Asgrow	A2440 (V)	92	81	NAPB	Exp 11925 (V)	90	81
Asgrow	A2575 (V)	94	80	NAPB	Exp 52115 (V)	94	92
Asgrow	A2656 (V)	90	88	NAPB Agripro	AP40 (V)	96	95
Asgrow	A3127 (V)	76	84	Northrup-King	103247 Exp (V)	98	94
Asgrow	A3585 (V)	88	87	Northrup-King	MV52 (B)	90	89
Asgrow	A3860 (V)	90	85	Northrup-King	MV62 (B)	88	74
Asgrow	A4268 (V)	92	91	Northrup King	MV72 (B)	90	85
Asgrow	A5312 (V)	96	87	Northrup-King	MV80 (B)	88	78
Asgrow	XP2858 (V)	90	83	Northrup-King	MV91 (B)	88	79
Bellatti	04 (V)	92	84	Northrup-King	MV100 (B)	74	82
Bellatti	1E (V)	84	97	Northrup-King	S1474 (V)	98	98
Bellatti	D1 (V)	90	86	Northrup-King	S1492 (V)	92	87
Bellatti	D2 (V)	88	85	Northrup-King	S1578 (V)	100	99
Bellatti	Exp 13-11 (V)	90	87	Nu-Soy	345 (XB)	90	88
Bellatti	Exp BW (V)	92	89	Nu-Soy	488 (XB)	96	81
Butzow	SC12 (V)	88	75	Nu-Soy	695 (XB)	94	85
Butzow	SC15 (V)	92	87	Nu-Soy	806 (XB)	84	87
Butzow	SC34 (V)	90	71	Nu-Soy	930 (XB)	96	84
Butzow	SC38 (V)	94	70	Peterson	2120-T (B)	92	86
Callahan	5352 (B)	86	92	Peterson	2477 (XV)	88	80
Callahan	6300 (B)	94	65	Peterson	2877 (V)	88	79
Callahan	6400 (B)	92	86	Peterson	3100 (XB)	96	60
Callahan	8570 (B)	96	75	Peterson	3105 (B)	96	81
Callahan	61914 (V)	88	90	Peterson	3125 (B)	98	75
Clemens	2ER-75 (B)	96	86	Peterson	3377 (B)	90	81
Clemens	9L-75 (B)	81	78	Peterson	PX1414-1 (V)	100	91
Clemens	12E (B)	90	88	Pride	B216 (V)	92	86
Clemens	CB151 (B)	98	80	Pride	PK206 (B)	92	83
Clemens	CB200 (B)	98	87	Pride	PK306 (B)	94	70
Clemens	CB244 (B)	100	96	Pride	PK406 (B)	94	76
Clemens	CB272 (B)	92	85	Ring Around	RA (c) 11 (V)	98	90
Clemens	CB347 (B)	92	86	Ring Around	RA (c) 20 (V)	92	85
Clemens	CB391 (B)	94	86	Ring Around	RA-31 (B)	94	90

Seed Germinations (continued)

Company source	Brand (X) Variety (V) or Blend (B)	Greenhouse germination (pct.)	Field germination (pct.)	Company source	Brand (X) Variety (V) or Blend (B)	Greenhouse germination (pct.)	Field germination (pct.)
Clemens	CB470 (B)	82	75	Ring Around	RA (c) 107 (V)	74	87
Clemens	CB525 (B)	92	82	Ring Around	RA-203 (V)	90	88
Clemens	CX155 (V)	100	94	Ring Around	RA-401 (V)	82	85
Clemens	CX215 (V)	88	89	Ring Around	RA-501A (V)	80	73
Clemens	CX275 (X)	94	88	Riverside	74-58 Exp (V)	80	73
Clemens	CX276 (X)	90	90	Riverside	202 (B)	84	84
Clemens	CX290 (V)	86	92	Riverside	303 (B)	96	91
Clemens	CX327 (V)	82	76	Riverside	404 (V)	90	70
Clemens	CX350 (V)	86	90	Riverside	2021 (V)	84	61
Clemens	EC179 (X)	96	93	Riverside	3035 (V)	88	93
Clemens	EC397 (X)	98	73	Seedkem	SKB250 (V)	90	79
Clemens	EC414 (X)	96	68	Seedkem	SKB310 (V)	90	59
Dairyland	A232 (V)	86	63	Seedkem	SKB435 (V)	92	71
Dairyland	A242 (V)	92	93	Seedmakers	3-A (V)	84	69
Dairyland	A267 (V)	96	93	Seedmakers	4-A (V)	96	66
Dairyland	A352 (V)	96	98	Seedmakers	4-G (V)	90	86
Farmland Co-op	95 (B)	94	81	Seedmakers	5-E (V)	94	75
Farmland Co-op	350 (B)	86	87	Seedmakers	6-C (V)	86	87
Farmland Co-op	450 (B)	96	79	Seedmakers	7-E (V)	90	92
Farmland Co-op	500 (V)	90	89	Seedmakers	8-C (V)	92	82
FFR	223 (V)	96	75	Seedmakers	9-E (V)	94	76
FFR	224 (V)	98	90	Seedmakers	27091N (V)	92	67
FFR	335 (V)	94	85	Seedmakers	37091D (V)	94	73
FFR	336 (V)	98	90	Seedmakers	37091K (V)	90	64
FFR	338 (V)	94	85	Seedmakers	37093B (V)	88	84
FFR	445 (V)	-	38	Seedmakers	47091G (V)	96	86
FFR	556 (V)	98	87	Seedmakers	47093J (V)	86	88
FFR	557 (V)	86	74	Smith's	Janie 77	92	91
FFR	Exp 1050 (V)	80	69	Smith's	Kimberly	86	78
FFR	Exp 1071 (V)	74	48	SRF	150P (V)	90	89
FS Hisoy	215 (B)	92	80	SRF	200 (V)	90	75
FS Hisoy	225 (B)	84	73	SRF	307P (V)	88	86
FS Hisoy	295 (B)	86	83	SRF	450 (V)	88	89
FS Hisoy	340 (B)	98	83	SRF	450P (V)	94	89
FS Hisoy	380 (B)	96	87	SRF	70-10546 Exp (V)	98	98
Ferry-Morse Goldtag	1250 (V)	96	90	SRF	Matsoy	96	97
Ferry-Morse Goldtag	1310 (V)	100	89	Stewart	2300 (V)	90	70
Ferry-Morse Goldtag	McCoy 1100 (V)	90	75	Stewart	3000 (V)	86	82
Funk	G-3340 (V)	94	70	Stewart	4200 (V)	90	73
Hoblit	2-4 (B)	90	80	Stewart Supersoy	440 (B)	92	78
Hoblit	2-5 (V)	74	77	Stewart Supersoy	445 (B)	92	79
Hoblit	EW7 (V)	98	91	Stewart Supersoy	460 (B)	88	82
JMS	Mitchell (V)	86	89	Stewart Supersoy	465 (B)	96	55
JMS	Munsee (X)	72	75	Voris	135 (V)	90	94
JMS	Richmond (X)	92	93	Voris	245 (V)	88	82
JMS	Shawnee (V)	96	91	Voris	277 (V)	92	92
JMS	Shawnee II (X)	78	71	Voris	285 (V)	88	86
JMS	Washington II (X)	84	76	Voris	295 (V)	94	85
Jones	362 (V)	72	57	Voris	387 (V)	84	83
Jones	460 (V)	74	66	Voris	457 (V)	96	74
Jones	B4608 (B)	88	77	Voris	465 (V)	82	92
Kruger	DS433 (XB)	92	92	Voris	B200 (B)	92	92
Kruger	DS444 (XB)	84	79	Voris	B300 (B)	88	84
Kruger	DS555R (XB)	96	98	Voris	B350 (B)	84	90
Kruger	DS737 (XB)	88	93	V.R. Seeds	Allen (V)	86	82
Kruger	DS747R (XB)	94	86	V.R. Seeds	Boss (V)	94	69
Kruger	DS777 (XB)	94	86	V.R. Seeds	Classic I (V)	84	75
Kruger	DS850 (XB)	92	92	V.R. Seeds	Classic II (V)	80	88
Kruger	DS875 (XB)	90	80	V.R. Seeds	Delta (V)	92	89
Kruger	DS909 (XB)	92	80	V.R. Seeds	Eagle (V)	86	89
Kruger	K-464A (XV)	88	76				
Kruger	K-2010 (XV)	100	94	Public Varieties			
Kruger	K-2205 (XV)	86	89		Amsoy '71 (V)	90	80
Kruger	K-3015 (XV)	96			Beeson (V)	84	64
Kruger	Exp 375 (XB)	96	97		Bonus (V)	84	83
Landers	2503 (B)	90	70		Calland (V)	94	92
Landers	3510R (B)	90	87		Columbus (V)	96	91
Landers	Exp 78-6516 (B)	88	86		Corsoy (V)	96	86
Landers	Exp 78-6703 (B)	96	84		Crawford (V)	88	91
Landers	Exp 78-6712 (B)	88	71		Cumberland (V)	94	79
Lewis	7B (V)	94	84		Elf (V)	96	88
Lewis	9B (V)	82	74		Essex (V)	90	66
Lewis	21 (V)	80	72		Forrest (V)	88	79
Lewis	31 (V)	96	90		Franklin (V)	98	92
Lewis	32 (V)	78	88		Harcor (V)	86	84
Lewis	42 (V)	94	83		Hark (V)	98	88
Lewis	Ex 2 (V)	90	88		Kent (V)	85	75
Masco	422 (B)	90	89		Oakland (V)	94	90
Masco	4444 (B)	82	80		Pomona (V)	88	80
Masco	SD-77 (V)	96	87		Rampage (V)	90	78
McCurdy	100 (XB)	96	85		Union (V)	88	87
McCurdy	101+ (XB)	96	77		Wayne (V)	94	68
McCurdy	102 (XB)	90	78		Wells (V)	90	86
					Williams (V)	94	90
					Woodworth (V)	86	88

DeKalb Soybean Variety Trial Results

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg- ing score	Matu- rity date	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)
MATURITY GROUP I										
Asgrow A1564.....	46.8	1.7	9-11	46	51.2	3.5	40	35.0	1.2	34
Clemens 12E.....	48.2	1.8	9-11	42						
Clemens CB151.....	47.8	2.2	9-15	40						
Clemens CX155.....	45.0	4.3	9-19	48						
Clemens ECL179.....	43.4	4.9	9-10	48	56.3	1.4	45			
Hark.....	51.2	1.4	9-19	43	50.6	1.1	43	36.7	1.3	36
Seedmakers 3-A.....	44.9	2.4	9-19	48	48.8	3.4	49	39.8	1.4	38
SRF 150P.....	50.7	2.0	9-17	45						
Voris 135.....	46.7	4.7	9-20	44						
Mean.....	47.2	2.8	..	45	50.1	2.5	44	32.9	1.2	33
L.S.D. 10.....	3.1	..	..	3						
L.S.D. 30.....	1.9	..	..	2						
C.V.....	5.4	..	..	7						
MATURITY GROUP II										
ACCO 201.....	54.2	2.0	9-15	42						
Americana XK505.....	46.9	1.4	9-26	51	56.9	1.3	45	41.8	1.0	39
Amsoy '71.....	48.2	2.4	9-25	50	58.6	1.4	49	39.0	1.1	36
Asgrow A2440.....	51.4	4.2	9-21	48	57.1	3.9	46	43.0	1.0	38
Asgrow A2575.....	58.4	1.2	9-20	48	58.1	1.3	46			
Asgrow A2656.....	50.3	4.3	9-21	50	59.3	3.0	49	47.5	1.1	38
Beeson.....	48.4	2.6	9-26	47	56.5	2.6	47			
Butzow SC12.....	50.0	2.3	9-30	48						
Butzow SC15.....	47.9	3.4	10-3	50						
Clemens 2ER-75.....	50.9	1.4	9-24	47	56.6	2.5	48	42.1	1.0	36
Clemens CB200.....	51.1	3.0	9-21	47						
Clemens CB244.....	51.2	2.8	9-24	47						
Clemens CB272.....	54.5	2.6	9-29	47						
Clemens CX275.....	52.1	2.7	9-25	46						
Clemens CX276.....	51.4	4.2	9-23	56	55.3	2.7	45			
Clemens CX290.....	52.2	1.9	9-27	46	56.7	1.2	43	38.3	1.0	35
Co-op 95.....	50.1	2.3	9-13	44						
Dairyland A232.....	53.0	2.1	10-1	48						
Dairyland A242.....	51.6	2.2	10-1	46						
FFR Exp. 1050.....	50.3	1.8	10-6	43						
FFR Exp. 1071.....	48.4	4.6	10-5	43						
FS FFR 223.....	51.3	4.5	9-22	48	52.6	3.8	47	35.1	1.4	38
FS FFR 224.....	56.6	3.8	10-5	45	51.9	3.7	41			
FS Hisoy 215.....	52.2	3.2	9-21	50	53.2	2.6	48	42.5	1.3	37
FS Hisoy 225.....	52.1	3.2	9-21	45	59.0	1.3	47	41.5	1.4	36
Goldtag 1250.....	53.3	3.7	9-26	45	60.7	1.4	44			
Goldtag McCoy 1100.....	53.1	1.4	9-21	49	52.3	2.0	46	38.0	1.1	38
Harcor.....	52.1	4.8	9-23	47	58.8	3.9	47			
J.M.S. Munsee.....	58.8	1.3	10-1	46						
J.M.S. Shawnee.....	55.4	2.4	10-1	44	57.9	1.3	45	39.3	1.1	33
Kruger DeSoy 433.....	56.2	4.0	9-25	50				36.1	1.1	35
Kruger DeSoy 444.....	52.0	3.2	9-21	50						
Kruger DeSoy 555R.....	53.1	2.8	9-23	41						
Kruger DeSoy 737.....	48.9	2.6	9-25	46	57.2	1.2	44			
Kruger DeSoy Exp. 375.....	50.9	3.3	9-22	45						
Landers 2503.....	54.0	3.5	9-26	43						
Landers Exp. 78-6703.....	52.8	4.1	9-25	43						
Lewis 21.....	51.0	1.7	10-1	48	52.1	2.8	46			
McCurdy 100.....	51.8	1.6	9-20	43						
McCurdy 101+.....	54.2	1.2	9-21	46	54.7	2.2	46	38.7	1.0	38
McCurdy 102.....	55.2	1.7	9-24	44	55.5	1.6	44	36.0	1.0	36
N.A.P.B. Agripro 14.....	52.2	2.0	9-11	41	53.6	2.8	41			
N.A.P.B. Agripro 18.....	53.7	3.8	9-21	47	54.8	3.3	42	37.3	1.0	36
N.A.P.B. Agripro 20.....	53.7	1.4	9-27	49	58.7	1.2	47	39.3	1.1	33
N.A.P.B. Ex 9917.....	52.2	1.5	9-20	41						
N.A.P.B. Ex. 11320.....	55.7	3.0	10-1	45						
Northrup-King Multivar 52.....	55.0	3.1	9-22	43						
Northrup-King Multivar 62.....	50.9	2.2	9-24	45						
Northrup-King S1474.....	54.1	4.9	9-24	50						
Northrup-King S1492.....	56.9	2.5	9-27	43	61.6	1.3	43	41.9	1.1	34
Northrup-King S1578.....	51.7	3.2	9-21	45						
Nu-Soy 695.....	54.4	3.5	9-25	46						
Peterson 2477.....	55.2	1.7	9-25	43	56.5	2.5	45			
Peterson 2877.....	54.4	2.2	10-2	46	56.5	2.1	46			
Peterson 3100.....	53.4	1.2	9-19	45	56.4	2.0	47	37.2	1.0	32

DeKalb Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
Peterson 3105.....	56.4	2.8	10-5	46	57.7	1.8	47	34.4	1.2	36
Pride B216.....	56.4	1.4	9-22	45	63.7	2.0	44	40.5	1.2	32
Pride PK206.....	54.6	4.0	9-25	45						
Pride PX306.....	54.4	3.7	9-26	47						
Riverside 404.....	54.1	3.8	9-22	45						
Seedmakers 4-A.....	45.0	2.0	9-22	50						
Seedmakers 6-C.....	48.2	1.9	9-26	48	50.1	1.6	48			
Seedmakers 8-C.....	53.6	1.7	9-25	49						
Seedmakers 27091N.....	46.5	4.0	9-21	48						
SRF 200.....	53.6	1.8	9-24	49				35.7	1.0	37
Super-Soy 440.....	49.2	2.7	9-23	45	58.8	1.8	43			
Super-Soy 445.....	50.8	3.0	9-22	48						
Voris 245.....	49.6	4.8	9-21	49	56.7	4.2	46	39.2	1.0	37
Voris B200.....	50.7	4.2	9-21	44	56.9	1.8	46			
Wells.....	49.5	1.3	9-20	46	54.6	1.1	45	40.1	1.0	35
Mean.....	52.4	2.7	..	46	56.4	2.2	45	38.5	1.1	36
L.S.D. 10.....	4.2	..	..	3						
L.S.D. 30.....	2.6	..	..	2						
C.V.....	6.8	..	..	6						
<u>MATURITY GROUP III</u>										
Americana XK262.....	58.1	3.5	*	48				39.5	1.0	38
Americana XK585.....	51.7	3.4	10-5	47	59.0	2.6	45	36.0	1.2	40
Funk G-3340.....	53.6	1.7	10-1	48						
Kruger K-2010.....	51.9	1.8	10-2	46						
Lewis 31.....	56.2	3.0	*	54						
Masco SD-77.....	53.8	2.6	10-6	41						
Williams.....	51.1	1.5	*	51	50.2	1.1	44	29.2	1.2	40
Mean.....	52.6	2.5	..	47	55.2	1.6	43	36.8	1.1	37
L.S.D.10.....	..	..	..	3						
L.S.D.30.....	..	..	..	2						
C.V.....	7.3	..	..	6						

*Killed by frost 10-8-78.

Elwood Soybean Variety Trial Results

Variety	1978 results				1977 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
<u>MATURITY GROUP I</u>							
Hark.....	28.4	1.0	9-7	31	40.0	1.2	40
Rampage.....	31.2	1.0	9-5	29			
<u>MATURITY GROUP II</u>							
Amsoy '71.....	31.9	1.0	9-12	40	39.5	1.7	46
Beeson.....	35.5	1.0	9-12	35	39.2	1.4	43
Corsoy.....	40.3	1.0	9-12	36	36.5	2.3	42
Harcor.....	40.9	1.0	9-16	38	38.3	2.5	46
Wells.....	36.7	1.0	9-13	34	44.9	1.1	42
<u>MATURITY GROUP III</u>							
Calland.....	31.9	1.0	9-20	40			
Cumberland.....	34.1	1.0	9-23	34	38.9	1.7	41
Elf.....	23.8	1.0	9-27	23	49.0	1.1	27
L-22(Exp.).....	31.7	1.0	9-22	30			
Oakland.....	36.7	1.0	9-21	37	42.5	1.6	42
Wayne.....	32.7	1.0	9-20	36	36.3	1.5	45
Williams.....	33.1	1.0	9-20	36	41.1	1.4	45
Woodworth.....	29.7	1.0	9-17	34	40.0	2.0	44
<u>MATURITY GROUP IV</u>							
Union.....	36.5	1.2	9-29	41	43.4	2.2	48
Mean of all maturity groups.....	33.4	1.0	..	34	40.1	1.6	43
L.S.D. 10 of all maturity groups..	5.8	..	..	3			
L.S.D. 30 of all maturity groups..	3.6	..	..	2			
C.V. of all maturity groups.....	14.6	..	..	7			

Macomb Soybean Variety Trial Results

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
<u>MATURITY GROUP II</u>										
Ag Seeds 7250.....	47.6	1.1	9-15	44						
Ag Seeds B7250.....	47.4	1.4	9-18	44	52.4	1.5	42	43.5	2.3	39
Americana XK505.....	43.4	1.2	9-5	44	48.2	3.5	35	41.5	1.2	40
Amsoy '71.....	45.3	3.1	9-7	46	49.7	1.6	38	47.2	1.2	42
Anderson APS200.....	48.2	1.2	9-3	40	45.8	2.1	35			
Asgrow A2575.....	48.0	1.2	9-2	45	50.2	1.2	34			
Asgrow A2656.....	44.5	1.3	9-3	43	45.4	3.2	34	41.2	1.1	37
Beeson.....	46.3	1.2	9-10	41	49.3	1.4	36	49.4	1.2	36
Clemens CB272.....	45.5	1.2	9-13	42						
Clemens CX275.....	46.5	1.2	9-11	40						
Clemens CX276.....	45.4	1.4	9-15	42	48.2	2.1	41			
Clemens CX290.....	45.8	1.2	9-7	45	56.4	1.2	39			
Co-op 350.....	46.2	1.1	9-7	43						
FFR Exp. 1050.....	43.7	1.2	9-11	35						
FS FFR 224.....	49.6	4.0	9-11	37	49.4	2.7	30			
FS Hisoy 225.....	42.8	1.2	9-10	41	42.6	2.7	35	47.6	1.9	41
FS Hisoy 295.....	47.6	1.2	9-7	43	47.5	1.8	40	45.9	1.9	40
Goldtag 1250.....	38.7	1.2	9-3	41	54.9	1.3	34			
Harcor.....	43.0	2.5	9-6	44	45.9	2.3	36			
Kruger DeSoy 737.....	46.2	2.0	9-7	42	48.8	1.6	38			
Kruger DeSoy 747R.....	42.2	3.4	9-3	44						
Kruger DeSoy 777.....	46.2	1.3	9-7	39						
Kruger K-2010.....	44.9	1.1	9-15	40	49.9	1.2	38			
Lewis 21.....	47.1	1.2	9-11	44	50.4	1.9	37	47.1	2.2	38
McCurdy 101+.....	43.7	1.2	9-3	43	41.0	4.0	35	43.3	1.9	40
N.A.P.B Agripro 20.....	45.2	1.1	9-7	44	51.7	1.1	36	39.9	1.2	36
Northrup-King Multivar 52.....	48.2	2.4	9-7	40						
Northrup-King Multivar 62.....	47.2	1.6	9-15	41						
Northrup-King S1474.....	45.8	2.6	9-13	40						
Northrup-King S1492.....	45.7	1.3	9-7	34	53.1	2.0	32			
Nu-Soy 345.....	44.5	2.2	9-3	41						
Nu-Soy 448.....	45.0	1.6	9-3	41						
Peterson 3105.....	44.4	1.9	9-18	46				44.0	1.3	41
Pride PK306.....	48.5	1.2	9-3	42						
SeedKem SKB250.....	46.5	1.0	9-7	44						
Seedmakers 6-C.....	42.6	1.3	9-3	48	46.6	1.7	41			
Wells.....	40.2	1.1	9-3	42	47.2	1.3	34	43.8	1.0	39
Mean.....	45.4	1.5	..	42	47.8	2.4	36	43.7	1.6	39
L.S.D. 10.....	3.9	..	..	3						
L.S.D. 30.....	2.4	..	..	2						
C.V.....	6.4	..	..	6						
<u>MATURITY GROUP III</u>										
ACCO 301.....	45.7	1.2	9-24	44						
Americana KX585.....	42.7	2.0	9-29	41	50.2	1.3	39	45.3	1.3	41
Anderson APS300.....	47.4	1.0	9-29	46	51.1	1.3	41			
Asgrow A3127.....	46.4	1.0	9-29	41						
Asgrow A3585.....	49.0	1.1	9-27	45	54.4	1.4	38			
Butzow SC34.....	42.5	2.6	9-26	44						
Butzow SC38.....	47.2	1.2	9-26	40						
Clemens 9L-75.....	48.7	1.3	9-24	44						
Clemens CB347.....	46.1	1.2	9-29	41						
Clemens CB391.....	42.9	1.1	9-29	45						
Clemens CX215.....	44.4	2.1	9-26	43	52.1	1.5	39			
Clemens CX327.....	43.5	2.8	9-24	43						
Clemens CX350.....	46.6	1.4	9-29	46						
Clemens EC397.....	50.3	1.3	9-29	43						
Clemens EC414.....	47.1	1.1	9-29	43						
Co-op 450.....	46.6	1.3	9-24	45						
Elf.....	47.9	1.0	9-26	23						
FFR 336.....	43.4	1.7	9-26	45	43.8	2.1	30			
FS FFR335.....	41.5	1.3	9-27	48						
FS FFR338.....	47.3	1.2	9-26	44						
FS Hisoy 340.....	45.3	1.1	9-29	42	50.5	1.4	40	46.7	1.3	44
FS Hisoy 380.....	42.7	1.2	9-29	42						
Goldtag 1310.....	49.2	1.1	9-28	44	53.6	1.5	39			
Funk G-3340.....	43.5	2.9	9-24	39	55.4	1.9	36			
Kruger DeSoy 875.....	46.9	1.4	9-29	42						
Kruger K-3015.....	44.1	1.1	9-18	45	54.4	1.2	38			
Lewis 31.....	46.3	1.9	9-29	49	54.2	1.4	50	49.0	2.0	41

Macomb Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg-ing score	Matu-rity date	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)
Lewis 32.....	47.3	1.1	9-26	46	53.6	1.3	42			
Masco 422.....	47.0	1.3	9-26	46	52.2	1.2	41	49.6	1.2	40
Masco 4444.....	50.5	1.2	9-29	43	53.3	1.3	41			
Masco SD-77.....	43.0	1.0	9-26	33	44.6	1.2	26			
McCurdy 109+.....	47.9	1.3	9-26	44	51.4	1.4	42	44.6	1.3	41
N.A.P.B Agripro 25.....	44.0	1.2	9-24	43	48.8	1.3	37	40.0	1.3	40
N.A.P.B. Agripro 27.....	48.1	1.1	9-27	42	52.1	1.4	39	40.0	1.8	38
N.A.P.B. Agripro 35.....	41.8	1.2	9-29	46	48.8	1.5	42	43.3	1.4	42
N.A.P.B. EX11925.....	51.3	1.0	9-24	42						
Northrup-King Multivar 72.....	43.4	1.4	9-28	38	51.8	1.4	40	48.7	1.2	39
Peterson 2120-T.....	47.6	1.4	9-24	46	50.4	1.3	42	44.9	2.3	41
Peterson 3125.....	45.3	1.2	9-26	47	52.6	1.4	45	46.3	3.1	42
Peterson 3377.....	44.6	2.0	9-29	45	44.9	2.0	40			
Pride PK406.....	46.8	1.3	9-26	43						
Riverside 202.....	45.1	2.0	9-29	45						
Riverside 2021.....	46.9	1.4	9-29	45						
SeedKem SKB310.....	45.5	2.0	9-26	41	51.8	1.4	35			
Seedmakers 7-E.....	39.9	1.7	9-26	53	51.7	1.2	45			
Seedmakers 37091D.....	39.4	3.5	9-26	49						
Seedmakers 37091K.....	47.9	1.3	9-29	47						
Seedmakers 37093B.....	50.0	1.3	9-26	47						
SRF Matsoy.....	46.2	1.6	9-26	46						
SRF 307P.....	45.6	1.2	9-29	47				52.1	2.1	46
Williams.....	47.8	1.4	9-29	42	49.6	1.2	41	46.6	1.6	42
Woodworth.....	41.8	1.0	9-27	41	52.8	1.2	40	45.5	1.7	41

MATURITY GROUP IV

Ag Seeds 7460.....	40.1	2.5	9-21	49						
Ag Seeds B7460.....	47.3	1.4	9-27	47	50.2	1.2	50	53.9	2.0	48
Americana XK262.....	46.1	1.2	9-24	43				45.5	1.3	38
Lewis 7B.....	42.0	2.6	9-24	47	57.2	1.4	44			
Lewis 42.....	46.7	2.0	9-24	52	45.7	3.2	43			
N.A.P.B. AP40.....	44.4	3.1	9-24	52						
Means (Groups III and IV).....	45.6	1.8	..	44	50.5	1.7	41	45.8	1.7	41
L.S.D. 10 (Groups III and IV).....	5.0	..	..	3						
L.S.D. 30 (Groups III and IV).....	3.1	..	..	2						
C.V. (Groups III and IV).....	8.1	..	..	5						

Urbana Soybean Variety Trial Results

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg-ing score	Matu-rity date	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)
Ag-Seeds 7250	57.6	1.3	9-18	46						
Ag-Seeds B7250	56.4	1.5	9-17	44	64.4	1.7	54			
Americana XK505	52.7	1.7	9-15	42	58.8	2.9	45	46.7	1.3	44
Amsoy '71	55.4	2.0	9-14	47	68.1	3.4	48	43.7	1.7	44
Anderson APS200	54.5	2.4	9-12	42	62.3	1.2	45	53.0	1.7	42
Asgrow A2575	59.8	1.3	9-13	44	63.1	1.1	43			
Asgrow A2656	59.2	1.3	9-8	46	63.1	1.2	48	48.1	1.5	43
Asgrow XP2858	56.7	2.7	9-15	32						
Butzow SC15	50.2	1.6	9-14	43						
Clemens 2ER-75	57.6	1.7	9-14	43	64.9	2.2	48	48.7	1.5	43
Clemens CB200	54.5	2.7	9-8	45						
Clemens CB244	57.4	1.9	9-13	40						
Clemens CB272	56.7	2.7	9-15	43						
Clemens CX275	58.2	2.3	9-11	42	67.2	1.2	44			
Clemens CX276	60.1	1.7	9-17	46	64.3	1.5	47			
Clemens CX290	54.3	1.4	9-15	44	62.8	1.1	48			
Corsoy	58.8	1.8	9-18	46						
FFR Exp. 1050	50.2	3.0	9-15	36						
FFR Exp. 1071	50.4	2.5	9-17	40						
FS FFR 223	54.2	1.7	9-14	45	60.1	3.8	48			
FS FFR 224	48.1	2.0	9-18	35	61.0	2.8	38			
FS HiSoy 225	57.9	1.5	9-14	40	65.3	2.1	44			
FS HiSoy 295	58.3	1.9	9-17	43	59.6	1.2	46	51.1	1.7	44

Urbana Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg- ing score	Matu- rity date	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)
Gold Tag 1250	57.8	1.5	9-14	42	66.7	1.6	44			
Hoblit 2-4	57.8	1.3	9-16	43	60.7	2.8	47	45.8	1.7	43
Hoblit 2-5	52.5	2.0	9-16	46	59.4	2.6	49	50.9	1.2	44
Kruger DeSoy 747R	55.0	1.4	9-12	46						
Kruger DeSoy 777	57.1	1.6	9-13	42						
Kruger K-2205	56.4	1.3	9-17	41						
Landers 2503	49.2	1.5	9-16	44						
Landers Exp. 78-6703	59.0	1.3	9-14	44						
Lewis 21	54.5	2.1	9-17	43	69.4	1.2	46	48.3	1.9	43
Lewis Ex2	58.9	1.2	9-13	44						
McCurdy 101+	53.4	2.1	9-14	41	64.2	1.4	45	49.9	1.7	42
McCurdy 104	59.0	2.5	9-11	42						
N.A.P.B. Agripro 18	53.5	1.3	9-13	40	61.8	3.0	43			
N.A.P.B. Agripro 20	56.5	1.4	9-14	45	63.5	1.1	48	51.3	1.3	43
Northrup-King S1474	56.5	1.6	9-14	42						
Northrup-King S1492	58.8	2.0	9-13	37						
Peterson 2477	60.2	2.0	9-15	45	67.0	1.2	46			
Peterson 2877	56.8	1.6	9-15	43	62.8	2.3	46			
Peterson 3100	58.8	1.9	9-12	42	61.6	2.0	43			
Peterson 3105	55.1	1.8	9-18	45	63.4	1.3	50	47.2	1.9	45
Pride PK306	58.2	2.2	9-14	42						
Ring Around RA-203	54.0	1.3	9-15	47						
Riverside 303	53.5	1.8	9-12	47						
Riverside 3035	55.7	1.7	9-15	48						
J. M. S. Munsee	56.3	1.8	9-17	41						
J. M. S. Shawnee	54.9	1.9	9-16	47	68.2	2.3	43	50.7	2.0	43
J. M. S. Shawnee II	56.7	1.5	9-14	40						
Seedkem SKB250	56.5	1.4	9-14	45	60.8	1.2	47			
Seedmakers 6-C	55.0	1.4	9-15	48	56.2	1.3	51	47.5	1.3	44
Seedmakers 8-C	56.7	1.5	9-16	40						
Stewart SB2300	55.7	1.2	9-14	46						
V.R. Classic I	56.6	1.6	9-17	44	72.0	1.4	45	47.3	1.9	40
Voris 277	62.0	1.7	9-17	46						
Voris 285	54.6	1.4	9-18	48						
Grand Mean	56.2	1.7	..	43	63.4	1.8	46	43.3	1.8	47
L.S.D. 10	4.2	..	..	30						
L.S.D. 30	2.6	..	..	1.9						
C.V.	5.6	..	..	5.2						
MATURITY GROUP III										
ACCO 301	55.3	1.3	9-21	44						
Americana XK262	59.2	1.3	9-20	45				47.7	2.0	42
Americana XK585	54.8	1.9	9-16	45	61.7	2.0	47	44.0	1.9	43
Americana XR66	55.0	1.3	9-22	49						
Anderson APS300	53.9	1.2	9-18	44	59.7	1.3	50	46.2	2.7	44
Asgrow A3127	54.9	1.4	9-21	45						
Asgrow A3585	53.3	1.4	9-21	46	59.0	1.1	46	48.3	1.3	45
Asgrow A3860	57.3	2.0	9-20	43						
Bellatti 1-E	52.2	1.9	9-19	47	57.2	4.0	52	46.8	3.5	47
Bellatti Exp. BW	48.8	1.3	9-29	54						
Butzow SC34	52.1	2.0	9-14	45						
Butzow SC38	49.5	2.5	9-15	41						
Callahan 6300	58.5	1.4	9-19	45						
Callahan 61914	59.8	1.4	9-23	49						
Clemens 9L-75	54.8	1.4	9-21	44				41.8	1.8	43
Clemens CB 347	52.6	1.4	9-20	47						
Clemens CB 391	51.9	1.5	9-18	46						
Clemens CX 215	55.7	1.7	9-18	45	65.8	2.0	48	46.2	1.5	44
Clemens CX 327	54.1	1.8	9-17	44				41.6	1.8	41
Clemens CX 350	55.7	1.3	9-18	46						
Clemens EC 397	52.4	1.7	9-20	46						
Clemens EC 414	53.7	1.7	9-22	46						
Dairyland A267	60.1	1.3	9-16	45						
Dairyland A352	59.4	4.0	9-18	40						
Elf	53.8	1.1	9-24	25						
FFR 336	49.8	1.5	9-16	37	56.8	2.0	41			
FS FFR 335	46.1	1.8	9-29	50						
FS FFR 338	53.1	1.5	9-20	45						
FS Hisoy 340	55.2	1.3	9-19	44	71.9	1.1	48	47.3	1.3	43
FS Hisoy 380	54.4	1.7	9-21	46						
Funk G-3340	59.2	1.9	9-17	43	67.4	1.3	43			
Gold Tag 1310	53.2	1.4	9-18	46	63.6	2.2	47			

Urbana Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg-ing score	Matu-rity date	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)
Hoblit EWW7.....	51.0	1.4	9-26	52						
J. M. S. Washington II.....	52.4	1.4	9-19	45				46.9	1.5	41
Kruger Desoy 850.....	54.0	1.4	9-18	42	70.8	1.6	47			
Kruger DeSoy 875.....	56.6	1.3	9-18	42						
Kruger DeSoy 909.....	54.4	1.8	9-21	45				40.8	1.8	42
Landers 3510R.....	54.1	1.3	9-18	46	59.2	1.3	50			
Landers Exp. 78-6712.....	57.2	1.6	9-19	48						
Lewis 31.....	57.8	1.3	9-18	54	63.4	2.3	57	46.3	2.2	51
Lewis 32.....	58.3	1.3	9-21	49	70.6	2.0	51			
Masco 422.....	53.6	1.6	9-21	45	63.1	1.7	49			
Masco 4444.....	50.7	1.9	9-21	45	64.6	1.6	47			
Masco SD-77.....	50.0	1.0	9-17	30	56.3	1.4	32			
McCurdy 107.....	56.9	1.8	9-18	44						
McCurdy 109+.....	54.7	1.6	9-21	46	60.9	2.5	49	42.1	2.4	45
N.A.P.B Agripro 25.....	57.1	1.3	9-18	44	62.1	1.2	49	48.4	1.9	42
N.A.P.B. EX 0314.....	56.0	1.3	9-16	40						
N.A.P.B. EX 1955.....	55.7	1.6	9-19	46						
N.A.P.B. EX 52115.....	54.1	1.2	9-16	46						
Northrup-King Multivar 80.....	55.1	1.6	9-18	43	68.1	1.7	44	40.1	1.2	42
Northrup-King S4055.....	53.8	1.3	9-22	48						
Nu-Soy 806.....	56.9	1.6	9-17	43						
Nu-Soy 930.....	52.9	1.8	9-19	47						
Peterson 2120 - T.....	55.9	1.7	9-21	46	60.3	1.2	46	53.2	2.0	47
Peterson 3377.....	58.9	2.0	9-18	43						
Pride PK406.....	58.3	2.0	9-18	44						
Ring Around RA-31.....	52.9	1.2	9-22	50						
Ring Around RA(c)11.....	38.2	2.2	10-14	59						
Riverside 202.....	52.2	1.6	9-18	47						
SeedKem SKB 310.....	58.9	1.4	9-18	43	55.6	2.2	45			
Seedmakers 5-E.....	49.5	1.6	9-19	48	55.2	2.5	48			
Seedmakers 9-E.....	53.4	1.2	9-26	51						
Seedmakers 37091K.....	55.5	1.6	9-18	45	65.9	1.2	53			
SRF Matsoy.....	59.3	2.3	9-19	51						
SRF 307P.....	51.7	2.3	9-19	49				47.5	3.5	48
Stewart SB3000.....	57.3	2.2	9-16	42						
Super-Soy 460.....	57.4	2.3	9-17	43	65.5	2.0	47			
Super-Soy 465.....	57.7	1.9	9-18	45						
V.R. Allen.....	53.6	1.6	9-21	49	58.0	1.9	52			
V.R. Boss.....	56.6	2.0	9-19	44	53.6	2.0	45	43.9	2.0	41
V.R. Classic II.....	54.8	1.3	9-21	49	61.9	2.0	54	42.6	2.0	48
Voris 387.....	51.5	2.0	9-21	48						
Voris B300.....	53.6	1.2	9-18	46	66.1	1.6	48			
Voris B350.....	53.6	1.2	9-18	44	63.1	1.2	47	42.1	1.6	46
Williams.....	55.1	1.4	9-21	45	57.3	1.2	48	38.6	2.3	46
Woodworth.....	55.4	1.6	9-18	44	55.6	1.7	47	42.7	2.1	43
Mean.....	54.4	1.6	..	45	60.6	1.8	49	43.6	2.1	44
L.S.D. 10.....	4.5	..	..	2						
L.S.D. 30.....	2.8	..	..	1						
C.V.....	6.2	..	..	4						
MATURITY GROUP IV										
Ag-Seeds 7460.....	50.7	2.1	9-30	49						
Ag-Seeds B7460.....	51.0	2.6	10-4	51	60.3	2.2	56			
Bellatti Exp. 13-11.....	43.4	2.0	9-29	49						
Bonus.....	52.6	1.3	9-26	51						
Landers Exp. 78-6516.....	54.1	1.7	9-27	48						
Lewis 7B.....	55.1	3.0	9-27	47	64.5	2.8	50			
Lewis 9B.....	51.5	1.8	9-29	46						
Lewis 42.....	49.1	2.0	9-20	51	73.8	2.2	54			
Northrup-King Multivar 91.....	52.8	1.6	9-18	48	64.0	1.8	50			
SeedKem SKB435.....	52.0	1.7	9-21	46						
Stewart SB 4200.....	47.8	1.6	9-21	48						
Union.....	52.3	2.0	9-23	49						
Mean.....	51.1	1.9	..	48	60.6	2.6	48			
L.S.D. 10.....	4.7	..	..	..			
L.S.D. 30.....	2.9	..	..	..			
C.V.....	6.5	..	..	4						

Brownstown Soybean Variety Trial Results

Brand and Entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
<u>MATURITY GROUP II</u>										
Kruger K464A*	6.8	1.0	9-7	23						
Ring Around RA-203*	20.1	1.0	9-8	28						
Voris 295*	21.1	1.0	9-13	29	57.0	2.8	47			
<u>MATURITY GROUP III</u>										
Asgrow A3127	20.9	1.0	9-19	26						
Asgrow A3585	16.6	1.0	9-10	24	48.3	1.3	35	30.7	1.0	22
Asgrow A3860	24.5	1.0	9-22	26						
Bellatti 1E	25.4	1.0	9-18	29	51.3	3.3	45	29.9	1.0	24
Clemens CB347	21.1	1.0	9-18	28	55.2	1.7	45			
Clemens CB391	22.0	1.0	9-21	28						
Clemens CX327	17.8	1.0	9-8	26						
Clemens CX350	19.7	1.0	9-16	28	53.2	1.4	45			
Clemens EC397	19.2	1.0	9-20	25						
Clemens EC414	20.6	1.0	9-21	27						
Cumberland	17.6	1.0	9-11	24						
Elf	18.3	1.0	9-20	51	51.5	1.0				
FS FFR 335	25.4	1.0	9-29	31						
FS FFR 338	24.0	1.0	9-19	27						
FS Hisoy 340	17.5	1.0	9-19	26	55.6	1.2	41	36.7	1.0	20
FS Hisoy 380	23.5	1.0	9-20	26						
Gold Tag 1310	20.9	1.0	9-12	27						
Funk G-3340*	10.7	1.0	9-8	24	48.1	1.4	39			
Landers 78-6712	19.8	1.0	9-18	27						
Landers 3510R	24.6	1.0	9-22	29	53.8	1.4	41			
Lewis 31	22.9	1.0	9-19	31						
McCurdy 500A	16.4	1.0	9-21	27						
McCurdy 500B	18.4	1.0	9-12	27						
N.A.P.B. Agripro 25	14.1	1.0	9-10	26	47.8	1.3	41			
N.A.P.B. Agripro 27	17.3	1.0	9-14	26	52.4	1.4	35			
N.A.P.B. Agripro 35	17.7	1.0	9-15	26	50.2	1.4	43			
N.A.P.B. EX 01614	23.7	1.0	9-27	31						
Northrup-King Multivar 80	15.3	1.0	9-12	25	56.9	1.3	40	27.6	1.1	24
Northrup-King S4055	18.4	1.0	9-20	25						
Oakland	21.9	1.0	9-13	26						
Peterson 2120-T	17.4	1.0	9-13	26	54.7	1.3	40			
Peterson 3125	22.1	1.0	9-20	27	54.2	1.2	42	31.1	1.0	26
Peterson 3377	16.4	1.0	9-15	27	50.6	1.1	45			
Ring Around RA (c)11	29.2	1.0	10-8	32						
Ring Around RA-31	21.5	1.0	9-19	26	50.6	2.2	43			
Riverside 202	20.1	1.0	9-20	27						
Riverside 2021	16.8	1.0	9-13	27						
SRF Matsoy	19.4	1.0	9-18	28						
VR Classic II	20.7	1.0	9-24	28						
Voris B350	21.3	1.0	9-17	28	52.9	1.1	40	33.3	1.0	29
Williams	22.9	1.0	9-18	27	56.7	1.1	39	39.1	1.0	24
Woodworth	16.3	1.0	9-18	25	54.3	1.1	39	31.3	1.0	21
Means (Groups II and III)	19.7	1.0	..	27	52.8	1.5	40	30.9	1.0	22
L.S.D. 10 (Groups II and III)	3.2	..	..	2						
L.S.D. 30 (Groups II and III)	2.0	..	..	1						
C.V. (Groups II and III)	14.1	..	..	6						
<u>MATURITY GROUP IV</u>										
Americana Hancock	24.5	1.0	9-23	28						
Americana XK351	22.1	1.0	9-25	31	57.0	1.4	48	30.5	1.0	24
Americana XR70	23.7	1.0	9-24	27	53.1	1.4	43	32.0	1.0	25
Asgrow A4268	29.7	1.0	9-21	26	60.0	1.2	37			
Bellatti 04	21.1	1.0	9-23	28	50.7	1.5	40	39.5	1.0	27
Bellatti D1	26.4	1.0	10-1	21						
Bellatti D2	33.1	1.0	9-30	28						
Bellatti R-13-11	29.6	1.0	9-27	28						
Clemens CB470	26.3	1.0	9-26	29						
Clemens CB525*	21.7	1.0	10-20	34						
Crawford	21.9	1.0	10-4	25						
FFR 445	21.8	1.0	9-26	29						
Franklin	28.6	1.0	9-25	32						
J.M.S. Mitchell	30.9	1.0	9-26	29	59.9	1.3	44	44.3	1.0	29
J.M.S. Victor	23.2	1.0	9-21	28						

* Entry was shattered at harvest date.

**Maturity Group V.

Brownstown Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg-ing score	Matu-rity date	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)
Landers 78-6516.....	24.9	1.0	9-23	28						
Lewis 7B.....	27.7	1.0	9-20	29						
Lewis 42.....	26.1	1.0	9-16	32						
N.A.P.B. Agripro AP40.....	30.1	1.0	10-4	33						
Northrup-King Multivar 91.....	24.9	1.0	9-21	28	53.4	1.2	43			
Pomona.....	25.0	1.0	9-29	27	53.3	1.3	42	44.8	1.0	25
Ring Around RA (c) 20.....	26.2	1.0	10-8	30						
Ring Around RA-401.....	27.6	1.0	10-2	27						
Riverside 74-58.....	28.3	1.0	9-21	30						
SRF 70-10564 Exp.....	29.5	1.0	9-21	24	52.3	1.1	32			
Union.....	26.8	1.0	9-21	30	51.7	1.7	46			
V.R. Delta.....	32.5	1.0	10-20	32	54.8	1.4	50			
V.R. Eagle.....	24.5	1.0	9-22	28						
Voris 457.....	30.5	1.0	9-29	31						
Voris 465.....	28.5	1.0	9-25	30	56.3	1.2	45	37.5	1.0	28
Mean.....	26.4	1.0	..	28	54.6	1.4	42	38.1	1.0	28
L.S.D. 10.....	4.0	..	..	2						
L.S.D. 30.....	2.5	..	..	1						
C.V.....	13.0	..	..	6						

Belleville Soybean Variety Trial Results

Brand and Entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg-ing score	Matu-rity date	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)	Yield (bu.)	Lodg-ing score	Height (in.)
<u>MATURITY GROUP III</u>										
Asgrow A3860.....	56.5	2.3	9-22	46						
Clemens CB347.....	49.5	1.4	9-21	47	53.6	3.3	49			
Clemens CB391.....	51.7	1.3	9-21	47						
Clemens CX327.....	45.1	3.3	9-16	45						
Clemens CX350.....	44.0	2.4	9-20	46	54.6	3.0	51			
Clemens EC397.....	45.8	1.3	9-20	44						
Clemens EC414.....	48.0	2.0	9-22	49						
Elf.....	52.4	1.0	9-24	34	57.1	1.5	24			
FS FFR 335.....	48.4	1.2	9-23	41						
FS FFR 338.....	52.8	3.0	9-21	48						
FS Hisoy 340.....	51.0	2.3	9-21	47	56.4	3.9	50	42.4	1.0	36
FS Hisoy 380.....	47.9	2.2	9-21	47						
Funk G-3340.....	42.8	3.0	9-17	41	55.9	4.2	51			
Landers 78-6712.....	50.0	2.0	9-22	46						
Landers 3510R.....	48.8	1.7	9-21	46	58.8	4.2	46			
Lewis 31.....	46.7	3.6	9-21	51						
Lewis 32.....	48.6	1.8	9-19	51						
N.A.P.B. Agripro 27.....	46.7	2.4	9-20	44	55.2	4.2	47			
N.A.P.B. Agripro 35.....	46.2	2.0	9-21	45	52.5	4.0	49			
N.A.P.B. Agripro EX01614.....	50.7	2.7	10-3	52						
Northrup-King Multivar 80.....	50.1	2.0	9-20	46	55.4	3.0	47	41.8	1.0	34
Northrup-King S4055.....	51.1	2.0	9-24	51						
Oakland.....	51.4	1.3	9-21	44						
Peterson 2120-T.....	48.4	2.6	9-21	45	52.9	3.0	47			
Peterson 3125.....	46.4	1.4	9-23	48	53.8	3.4	50	47.1	1.0	38
Ring Around RA-31.....	47.3	1.4	9-22	51						
Ring Around RA-203*.....	41.6	1.8	9-19	45						
Riverside 202.....	52.8	1.9	9-21	46						
Riverside 2021.....	45.3	1.7	9-19	48						
Seedmakers 7-E.....	51.2	2.4	9-24	51	52.8	2.5	59			
Seedmakers 9-E.....	54.9	2.0	9-24	48						
Williams.....	50.0	2.3	9-21	46	58.7	3.0	49	48.1	1.0	35
Woodworth.....	50.3	2.3	9-19	46	54.8	3.6	46	47.2	1.0	36
Mean.....	48.9	2.0	..	46	54.0	3.3	48	43.6	1.1	35
L.S.D. 10.....	4.6	..	..	6						
L.S.D. 30.....	2.9	..	..	3						
C.V.....	7.0	..	..	9						

*Maturity Group II.

Belleville Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg- ing score	Matu- rity date	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)
MATURITY GROUP IV										
Ag Seeds B 7460.....	50.4	1.2	9-27	52						
Asgrow A4268.....	53.6	1.2	9-27	44						
Clemens CB470.....	46.8	1.3	10-3	51						
Clemens CB525**.....	46.8	3.4	10-24	46						
COOP 500.....	47.3	4.3	9-24	49						
Crawford.....	48.4	4.3	9-22	46						
FFR 445.....	38.2	2.6	10-3	48						
Franklin.....	44.9	1.3	9-24	51						
J.M.S. Victor.....	56.2	2.4	10-1	50						
Landers 78-6516.....	52.9	3.2	10-1	50						
Lewis 7B.....	52.2	4.3	10-2	49						
Lewis 42.....	48.0	1.4	9-23	53						
N.A.P.B. Agripro AP40.....	55.6	3.5	10-7	50						
Northrup-King Multivar 91.....	46.8	1.2	9-22	50	54.0	4.6	52			
Peterson PX4280.....	52.0	3.0	9-24	48						
Pomona.....	49.3	1.4	9-30	50	53.1	2.1	52	51.1	1.2	43
Ring Around RA-401.....	47.8	1.3	10-10	48						
Ring Around RA(c)20.....	47.1	1.8	10-12	54						
Ring Around RA(c)107.....	46.1	1.3	10-20	49						
Riverside 74-58 Exp.....	51.0	3.1	9-24	52						
Seedmakers 4-G.....	49.6	2.3	9-27	54	59.5	3.8	61	45.4	1.0	37
Seedmakers 47091G.....	45.0	1.2	9-19	49						
Seedmakers 47093J.....	48.2	3.8	10-3	50						
SRF 70-10546Exp.....	45.9	1.1	9-18	40	51.9	1.0	38			
SRF 450P.....	45.5	1.2	10-3	50						
Voris 457.....	49.7	1.7	10-2	55						
Voris 465.....	50.4	2.0	9-24	51						
Union.....	54.4	3.1	9-24	52	57.1	4.1	57			
Mean.....	49.0	2.6	..	49	55.0	3.5	52	43.1	1.4	41
L.S.D. 10.....	5.6	..	..	2						
L.S.D. 30.....	3.5	..	..	1						
C.V.....	8.4	..	..	4						

**Maturity Group V.

Carbondale Soybean Variety Trial Results

Brand and Entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodg- ing score	Matu- rity date	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)	Yield (bu.)	Lodg- ing score	Height (in.)
MATURITY GROUP III										
Callahan 5352.....	31.3	1.0	10-11	30						
FS FFR 335.....	37.0	1.1	10-23	33						
FS FFR 338.....	35.0	1.0	10-16	28						
FS Hisoy 380.....	32.5	1.0	10-19	28						
Jones 362.....	35.9	1.0	10-11	31						
N.A.P.B. Agripro 35.....	32.8	1.2	10-11	30	42.2	1.3	39			
Peterson 3125.....	33.6	1.1	10-25	30	46.5	1.2	39	47.0	1.2	44
Ring Around RA-31.....	35.6	1.0	10-19	30						
Williams.....	31.0	1.0	10-19	29	42.4	1.0	38	51.3	1.4	38
Mean.....	33.9	1.0	..	30	43.3	1.2	38	46.5	1.4	38
L.S.D. 10.....	..	..	..	..		
L.S.D. 30.....	..	..	..	..		
C.V.....	8.9	..	..	7						
MATURITY GROUP IV										
Asgrow A4268.....	38.6	1.0	10-16	24						
Callahan 6400.....	35.6	1.0	10-11	33						
Crawford.....	35.3	1.0	10-19	31						
Franklin.....	36.6	1.0	10-16	34						
J.M.S. Victor.....	36.8	1.0	10-11	31						
Jones 460.....	38.7	1.0	10-16	33						
Jones B4608.....	36.7	1.1	10-16	34						

Carbondale Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
Kent.....	34.5	1.0	10-23	30	45.6	1.5	45	49.3	1.3	42
Lewis 7B.....	31.3	1.1	10-23	31	43.4	1.0	45			
Lewis 9B.....	34.8	1.0	10-11	29						
Lewis 42.....	35.0	1.0	10-19	35						
N.A.P.B. Agripro AP40.....	37.4	1.1	10-19	35						
Peterson PX 4280.....	36.5	1.0	10-11	30						
Pomona.....	38.2	1.0	10-19	30	48.9	1.3	43	48.6	1.2	40
Ring Around RA-401.....	40.2	1.2	10-23	33						
Ring Around RA(c)20.....	42.4	1.0	10-23	33						
Ring Around RA(c)107.....	45.1	1.0	10-23	36						
SRF 450.....	38.3	1.0	10-19	29				47.3	1.1	39
SRF 450P.....	40.5	1.0	10-19	30						
Mean.....	37.5	1.0	..	32	44.8	1.8	44	48.1	1.7	42
L.S.D. 10.....	3.1	..	..	2						
L.S.D. 30.....	1.9	..	..	1						
C.V.....	7.0	..	..	6						
<u>MATURITY GROUP V</u>										
Asgrow A5312.....	43.6	1.0	10-25	33						
Callahan 8510.....	35.0	2.3	11-1	38						
Essex.....	47.7	1.2	10-30	31	49.1	1.3	36	56.1	1.1	46
FFR 445.....	34.2	1.1	10-16	29						
FFR 556.....	34.1	1.3	11-1	46	29.0	2.0	58	51.1	1.3	49
FS FFR 557.....	38.2	1.2	10-25	38						
Northrup-King Multivar 100.....	42.5	1.3	10-30	35						
Ring Around RA-501A.....	41.5	1.3	10-25	39						
Smith Janie 77.....	36.0	1.6	11-1	44						
Smith Kimberly.....	41.9	1.3	11-1	36						
Mean.....	39.5	1.4	..	37	38.5	1.8	46	49.2	1.2	42
L.S.D. 10.....	2.3	..	..	3						
L.S.D. 30.....	1.4	..	..	1						
C.V.....	4.9	..	..	7						

Dixon Springs Soybean Variety Trial Results

Brand and Entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
<u>MATURITY GROUP III</u>										
Bellatti BW.....	40.6	1.1	9-12	47						
Elf.....	40.6	1.0	9-12	23	40.1	1.0	22			
FS FFR 335.....	42.0	1.0	9-11	45						
FS FFR 338.....	43.1	1.0	9-9	41						
FS Hisoy 380.....	44.9	1.1	9-10	40						
Jones 362.....	38.6	1.3	9-6	45						
Peterson 3125.....	41.9	1.1	9-12	44				51.6	1.2	42
Ring Around RA-31.....	45.4	1.1	9-11	42						
Williams.....	51.1	1.0	9-10	40	39.3	4.9	44	48.4	1.1	38
Woodworth.....	42.2	1.1	9-10	39	32.8	4.7	43	46.6	1.0	33
Mean.....	43.0	1.1	..	40	34.5	3.8	45	48.0	1.7	39
L.S.D. 10.....	..	..	..	3						
L.S.D. 30.....	..	..	..	2						
C.V.....	10.0	..	..	7						
<u>MATURITY GROUP IV</u>										
Bellatti DI.....	40.3	1.3	9-17	37	37.4	4.1	40			
Bellatti DII.....	32.9	1.1	*	41	35.8	3.6	45			
Columbus.....	40.5	4.7	*	45	39.1	4.7	46	59.2	2.7	43
FFR 445.....	36.1	3.6	9-15	46						
Franklin.....	38.8	1.4	9-14	50						
J.M.S. Mitchell.....	41.1	3.0	9-21	47	35.8	4.6	49	65.4	1.4	43
J.M.S. Victor.....	37.7	1.4	9-17	43						
Jones 460.....	46.3	2.6	9-21	48						
Jones B4608.....	32.4	1.7	9-17	44						
Lewis 7B.....	38.4	3.5	9-21	44	36.5	4.9	50			

Dixon Springs Soybean Variety Trial Results (continued)

Brand and entry	1978 results				1977 results			1976 results		
	Yield (bu.)	Lodging score	Maturity date	Height (in.)	Yield (bu.)	Lodging score	Height (in.)	Yield (bu.)	Lodging score	Height (in.)
Lewis 9B.....	42.7	3.0	9-15	45						
Lewis 42.....	37.6	3.0	9-18	55						
Peterson PX 4280.....	43.2	1.5	9-15	43						
Pomona.....	33.1	1.1	9-17	44	38.0	3.0	47	65.7	1.1	41
Ring Around RA-401.....	46.8	3.3	*	51						
Ring Around RA(c)30.....	47.2	1.3	*	47						
Ring Around RA(c)107.....	50.3	1.1	*	42						
SRF 70-10546 Exp.....	36.5	1.1	9-7	36	41.8	1.4	32			
SRF 450P.....	40.9	3.4	*	49						
Mean.....	40.3	2.2	..	45	35.9	3.7	47	57.4	2.6	42
L.S.D. 10.....	8.3	..	..	3						
L.S.D. 30.....	5.2	..	..	2						
C.V.....	17.0	..	..	5						
MATURITY GROUP V										
Essex.....	56.0	2.0	*	49	30.2	5.0	41	63.2	1.3	33
FFR 556.....	47.1	1.2	*	43	26.8	4.5	49	52.5	1.4	56
FS FFR 557.....	42.0	2.2	*	47						
Forrest.....	51.7	1.4	*	47	26.2	4.8	46			
Northrup-King Multivar 100.....	52.1	1.2	9-14	44						
Ring Around RA 501A.....	49.1	3.0	*	44						
Smith Janie 77.....	49.8	2.0	*	47						
Smith Kimberly.....	50.7	2.6	*	44						
Union **.....	34.5	1.2	*	47	37.6	3.0	47			
Mean.....	46.6	1.8	..	46	27.7	4.8	45	59.1	1.7	40
L.S.D. 10.....	8.0	..	..	..			
L.S.D. 30.....	5.0	..	..	..			
C.V.....	14.3	..	..	..			

* Killed by frost 10-17-78.

**Maturity Group IV.

This circular was prepared by G. L. Ross, Associate Agronomist, Paul Raymer, Assistant Agronomist, D. W. Grafis, Professor of Forage Crops Extension, and S. G. Carmer, Professor of Biometry. Data processing was done by the Statistical Laboratory, Department of Agronomy.

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