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EC02-104 Nebraska Soybean Variety Tests, 2002

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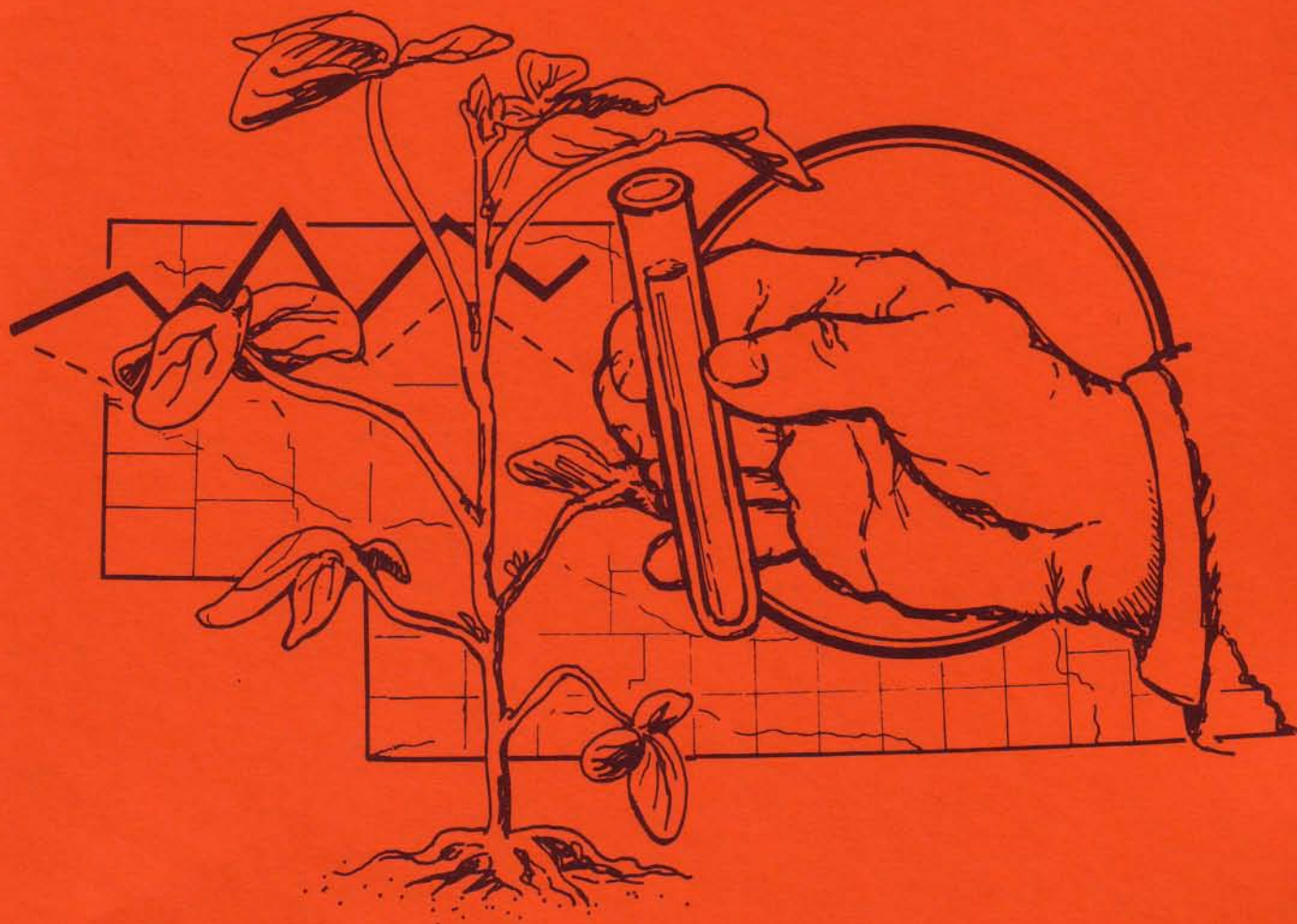
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NEBRASKA SOYBEAN VARIETY TESTS 2002



**University of Nebraska-Lincoln
Institute of Agriculture and Natural Resources
Agricultural Research Division
Cooperative Extension**

EXTENSION CIRCULAR 02-104

NEBRASKA SOYBEAN VARIETY TESTS

December 2002

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Tests were supported in part by fees collected from entrants. Acknowledgment is made to farmers who furnished land for experiments (Table A page 10); and also to Extension Educators and other I.A.N.R. personnel who assisted with the tests.

The characteristics chart on pages 14-17 is based on data furnished by the entrants. Data not supplied to us was not included in the table.

The authors wish to recognize the contributions of the technical staff: Greg Dorn, John Eis, Bekele Abeyo, Ralph Klein, Jim Pavelka, Jeff Golus, Ray Brentlinger and Michael Mainz.

These data are available electronically at:
<http://varietytest.unl.edu/soytest/2001/index.htm>

METRIC EQUIVALENTS

1 centimeter = 0.394 inches cm = inches x 2.54
 1 hectare = 2.471 acres ha = acres x 0.405
 1 kilogram = 2.205 pounds kg = pounds x 0.454
 1 hectoliter = 2.838 bushels hl = bushels x 0.352
 Kilogram/hectare (kg/ha) = bu/A x 67.26 (60# bushel)

EXTENSION CIRCULAR

02-104

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NEBRASKA SOYBEAN VARIETY TESTS

2002

The November 2002 estimated soybean yield for Nebraska was 38 bushels per acre from 4,700,000 harvested acres. The 38 bushels per acre was 9 bushels lower than the previous 1994 record of 47 bushels per acre. The total production of soybeans for the state was forecasted at 179,000,000 bushels. This was 20% below last years record production of 212,000,000 bushels. These estimates are from the November Nebraska Agricultural Statistics Service.

As of June 16th almost all soybean fields were emerged and rated 5% poor, 33% fair, 51% good and 10% excellent. As of July 14th soybean condition was rated 9% very poor, 26% poor, 41% fair, 22% good and

2% excellent. Blooming had occurred on 50% of the crop, ahead of both last year at 23% and average at 33%. As of August 18th soybean condition declined and rated at 27% very poor, 28% poor, 31% fair, 13% good, and 1% excellent. Plants were setting pods on 93% of the acreage, compared to 88% last year and 90% average. Nine percent of the crop had turned color by week's end. As of September 22nd soybean condition rated at 22% very poor, 26% poor, 29 % fair, 19% good, and 4% excellent. Plants had turned color on 95% of the crop, compared to 92% last year and 95% average. October 13th harvest progressed to 54% combined, behind 60% last year and 67% average.

PROCEDURE

Data were obtained from 23 trials at 12 locations (Table A). Privately developed varieties were selected by the seed supplier or agronomists at the University of Nebraska Department of Agronomy and Horticulture. At eight locations, entries were divided into early and late maturing varieties for convenience in handling. A list of entries by brand name is shown in Table B. Names and addresses of entrants are shown in Table C.

Entries were planted in four-row plots 15 to 35 feet long. Plots were replicated four times in a randomized complete block design. In the Southeast, South Central and Northeast districts, a planting rate of 8.5 seeds per foot in 30-inch rows (148,100 seeds per acre) was used unless a higher or lower rate was requested by the entrant. In the West Central, plots were seeded with an air seeder which planted the same number of seeds for each

plot. The population in Red Willow County was 220,000 seeds/a.

At harvest, two rows, or two center rows, 10 to 30 feet long were threshed for yield. Reported yields are corrected to 13% moisture. Plots were rated mature when 95% of the pods have reached their mature pod color. Five to ten days of drying weather are required after "maturity" before the soybeans have less than 15% moisture.

Plant height is the average length in inches of plants from the ground to the tip of the main stem at the time of maturity. Lodging is rated at maturity according to the following scores: 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% of the plants down, 4 = All plants leaning considerably, or 50% to 80% of the plants down, 5 = Almost all plants down.

Protein and oil content were obtained at 11 locations in 2002. These are reported on a 13% moisture basis and will appear lower than many reported figures. Conversions can be made to 0% by multiplying the protein or oil by 1.15. Estimated Processed Value (EPV) is calculated from the protein and oil content from the Chicago Board of Trade prices for soybean oil (\$.1594/lb.) and 46.5 percent protein soybean meal (\$171.90/ton) on

Sept.1, 2001. EPVA is calculated on an acre basis by multiplying the yield (bu/acre) times the EPV/bu. The University of Nebraska Soil and Plant Analytical Lab did the protein and oil content analyses and we thank them for their cooperation.

The rainfall and temperature data were obtained from the nearest weather station. The data are reported on pages 37-38

PERFORMANCE

Entries generally were listed in tables in order of decreasing yield. Average performance of varieties included in trials for three years in each area is shown in Table D. These data give an indication of year effects on yield, maturity, lodging, plant height and seed size.

Performance of entries cannot be measured with absolute accuracy because of variations in moisture, soil fertility and other factors. Also, most fields contain some spatial variability. This is the third year of use of a statistical procedure for reducing the spatial variability. Because of the many sources of variability, small yield differences have little significance. Differences required for significance are shown in each table at the 5% level. This means that differences

this great would be expected through chance alone in 1 of 20 trials. A simple way of thinking of these differences is that if all the plots had been the same variety, that would be the difference that would have been measured. Many soybean varieties have similar yield potentials. Early maturing varieties are favored in some seasons and later maturing varieties in others. Period-of-years averages provide a measure of performance over a range of environmental conditions.

Period-of-years data for varieties include two-, and three-year averages. When comparing varieties, it is important to observe their performance for more than one year. Comparisons are best if they are done over the largest possible number of years.

RESULTS AT INDIVIDUAL LOCATIONS

Northeast (Pages 18-22)

Six tests were planted at two locations in Dixon and Pierce County with seven varieties entered in the conventional dry and seven varieties in the irrigated test. Thirty seven varieties were entered in the Roundup Ready Early tests. Forty six varieties were entered in the Roundup Ready Late tests in both locations. The Dixon County tests were planted May 23rd and harvested October 14th. The conventional

dry land test averaged 47.3 bu/a. While the Early Roundup Ready dry land test averaged 45.6 bu/a. The dry land Late Roundup Ready test averaged 49.0 bu/a. The Pierce County Irrigated Conventional tests were planted May 28th and Harvested November 7th. The conventional test averaged 67.7 bu/a. The early Roundup Ready test averaged 67.6 bu/a. Late Roundup Ready test averaged 65.5 bu/a.

East/South Central (Pages 23-29)

Seven tests at four locations were planted in Saunders, Clay, Furnas and Washington Counties. Forty five entries were entered in the early maturing Roundup Ready trial. Thirty nine entries in the late maturity Roundup Ready trial and Nineteen entries in the Cyst Nematode trial. The Saunders County dryland test was planted May 16th and harvested October 10th. This test was planted no-till into corn stubble with good moisture but cool temps. Weed pressure was light and this test was only sprayed once. Rainfall limited yields with the Roundup Ready Early test averaged 31.0 bushels per acre. The Roundup Ready Late test averaged 35.3 bushels per acre. The Clay County gravity irrigated plot was planted May 20th with four replications of four rows in thirty inch rows. The early maturing Roundup Ready varieties averaged 72.4 bushels per acre. The late maturing Roundup Ready varieties averaged 70.8 bushels per acre. The Furnas County Roundup Ready tests were pivot irrigated. Tests were planted May 17th and harvested October 10th. Early maturing Roundup Ready test average yield was 63.4 bu/a. Late Roundup Ready test average was 66.9 bu/a. The Washington County Cyst Nematode plot was planted May 21st and harvested October 11th. Timely rainfall helped this dryland plot to average 43.9 bushels per acre.

Southeast (Pages 30-33)

There were four tests at two locations in Nemaha and Thayer Counties. The early Roundup Ready had 29 entries. Late Roundup Ready was 31 entries. The Nemaha County test was planted May 16th and harvested October 9th. This was a no-till test planted in 30 inch rows into soybean

stubble. Poor growing conditions with very limited rain and hot weather put this test under stress conditions. Short plants, green stems and leaves created a challenge for harvest. Shattering was also a problem in some varieties. The early Roundup Ready test averaged 19.7 bushels per acre. The late maturing Roundup Ready group averaged 25.3 bushels per acre. The Thayer County test was planted May 15th under pivot irrigation. The plots were in 4, 30 inch rows and were pivot irrigated. The field was sorghum the previous two years and was planted no-till with a 4 row Kinze planter. A hail storm on October 2nd caused considerable damage and this test was not harvested.

Central Irrigated (Pages 34-36)

Two tests were planted at two locations in Merrick and Dawson Counties with 26 entries. The Merrick County test was planted June 5th and harvested October 15th. This test was planted into 30 inch rows and gravity irrigated. This test averaged 75.9 bushels per acre. The Dawson County test was planted May 16th and harvested October 9th. This was a ridge till test that was furrow irrigated. The average for all entries was 66.3 bushel per acre.

North Central (Page 35-36)

Two tests were planted in Brown and Perkins Counties. The Brown County furrow irrigated test was planted May 22nd and harvested October 11th. Average of all entries was 66.3 bushels per acre. The Perkins County test was conventional till-pivot irrigated. It was planted May 21st, harvested October 7th and averaged 72.4 bu/a.

CULTURAL PRACTICES

Dixon: Crop history: 2001 corn. The herbicides used on conventional varieties were: May 30, 1.33 pt/a Dual II Magnum, June 25, 8 oz Assure II, June 28th, 6 oz/a Pursuit. The herbicides used on Roundup Ready Varieties were: June 27, Roundup Ultra Max 26 oz/a, AMS 17 lb/100 gallons of solution. Insecticide: Lorsban 1 pt/a. Tillage: Disk on May 22. Coordinates: N 42.3770 W 96.9290

Pierce: Crop history: 2001 corn. Tillage: alleys tilled using Ford tiller. Fertilizer: 100 lbs MAP 11-52-0 and 150 lbs 0-0-60 Potash. Insecticide: none. Herbicides: 2.5 pts Pursuit Plus and 12 oz Ultra Blazer. Coordinates: N 42.1723 W 97.8135

Thayer: Pivot irrigation. Crop history: Sorghum in 2000 and 2001. Fertilizer: 6.6 gal./A of 10-34-0 at planting time. Herbicide: Canopy XL 7 oz./A and 2/5pt./A of Five Star 2,4-D the third week of April Roundup Ultra twice during the growing season 1qt./a both times. Tillage program: No till planted using 4 row Kinze planter. Coordinates: N 40.2124 W 97.4405

Clay: Gravity irrigated. Crop history: Corn in 2001 and soybeans in 2000. The herbicide used was 1 quart Roundup and 4 lbs. AMS/50gal. water. Tillage program: Rotary tilled and then planted with 4 row Kinze planter. Coordinates: N 40.5808 W 98.1405

Merrick: Gravity irrigated. Crop history: corn in 2000 and 2001. Herbicide: 6 oz Canopy, and 1 1/3 pint of Dual II Magnum pre-emerge 26 oz Roundup. Insecticide: None. Tillage program: disked twice. Coordinates: N 41.0461 W 98.2555

Nemaha: Crop history: 2001 soybeans. Herbicide: Roundup Ultra. Tillage program: no-till. Hand weeded as needed. Coordinates: N 40.3960 W 95.9920

Saunders: Dryland. Crop History: 2001 corn. Herbicide: 1 qt Roundup Ultra. Tillage program: no-till. This test was hand weeded as needed. Coordinates: N 41.0574 W 96.6704

Furnas: Pivot irrigated, no till. Crop history: 2000 soybeans, 2001 corn. Fertilizer: None. Herbicide: Roundup RT preplant, Gauntlet 3 oz preplant, Roundup UltraMax 26 oz Post. Coordinates: N 40.2791 W 99.9644

Dawson: Ridge till, furrow irrigated. Fertilizer: none. Herbicide: preplant 2.7 oz Gauntlet + 0.75qt Lasso in a 10" band. Postemergence: 1 qt Roundup Ultra. Coordinates: N 40.7434 W 99.6450

Brown: Minimum till, furrow irrigated. Crop history: 2000 and 2001 corn. Fertilizer: 35lb N, 30 lb P, 6 lb S preplant. Herbicide: Prowl 1.6 pt PRE, Firstrate 0.67 oz POS. Coordinates: N 42.5965 W 100.0440

Perkins: Conventional till, pivot irrigated. Crop history: soybeans in 2000 and corn in 2001. Fertilizer: Preplant 15 gal 28-0-0-0.5; Starter 5 gal. 10-34-0. Herbicide: Post 2 applications of Roundup. Insecticides: none. Coordinates: N 40.8100 W 101.2846

Washington SCN: Dryland, Crop history - 2001 Corn. Herbicide: Roundup Ultra. Tillage: Conventional. Coordinates: N 41.444000 W 96.017000

NEBRASKA SOYBEAN PRODUCTION

The following data were obtained from Nebraska Agricultural Statistics.
In 1940, 13,000 acres of soybeans also were cut for hay.

Year	Harvested acres (ha) 000	Average yield bushels (kg/ha)	Production bushels (metric tons) 000
1940	4 (2)	14.0 (942)	56 (2)
1950	50 (20)	24.0 (1614)	1,200 (33)
1955	180 (73)	10.5 (706)	1,890 (51)
1960	164 (66)	28.0 (1883)	4,592 (125)
1965	696 (282)	23.5 (1581)	16,356 (446)
1970	812 (329)	22.0 (1480)	17,864 (487)
1971	609 (247)	25.0 (1682)	15,225 (415)
1972	746 (302)	33.0 (2220)	24,618 (671)
1973	1,210 (490)	30.0 (2018)	36,300 (989)
1974	1,190 (482)	24.0 (1614)	28,560 (778)
1975	1,200 (486)	27.0 (1816)	32,400 (883)
1976	980 (397)	20.0 (1345)	19,600 (534)
1977	1,300 (458)	36.0 (2421)	40,680 (1108)
1978	1,250 (506)	34.0 (2287)	42,500 (1158)
1979	1,610 (652)	34.0 (2287)	54,740 (1491)
1980	1,770 (717)	30.0 (2018)	53,100 (1446)
1981	2,070 (838)	38.0 (2566)	78,660 (2143)
1982	2,250 (911)	35.0 (2354)	78,750 (2146)
1983	2,070 (838)	28.5 (1917)	58,995 (1607)
1984	2,550 (1033)	26.0 (1748)	66,300 (1804)
1985	2,360 (956)	36.0 (2421)	84,960 (2312)
1986	2,450 (992)	38.0 (2555)	93,100 (2534)
1987	2,350 (952)	35.5 (2388)	83,425 (2270)
1988	2,300 (932)	30.0 (2018)	69,000 (1877)
1989	2,560 (1078)	32.0 (2153)	81,920 (2229)
1990	2,350 (952)	34.0 (2287)	79,900 (2174)
1991	2,450 (992)	33.0 (2220)	80,850 (2200)
1992	2,460 (996)	42.0 (2825)	103,320 (2811)
1993	2,500 (1012)	36.0 (2421)	90,000 (2449)
1994	2,860 (1157)	47.0 (3161)	134,420 (3658)
1995	3,060 (1238)	33.0 (2220)	100,980 (2748)
1996	3,010 (1219)	45.0 (3026)	135,450 (3691)
1997	3,450 (1397)	40.0 (2690)	138,000 (3760)
1998	3,750 (1519)	44.0 (2959)	165,000 (4496)
1999	4,250 (1721)	42.5 (2859)	180,625 (4922)
2000	4,600 (1863)	37.0 (2489)	170,200 (4638)
2001	4,900 (1985)	45.5 (3060)	222,950 (6075)
2002*	4,700 (1904)	38.0 (2556)	178,600 (4867)

* November estimate.

2002 Soybean Variety Testing Locations

- 1 Dixon County
- 2 Pierce County
- 3 Saunders County
- 4 Clay County
- 5 Furnas County
- 6 Nemaha County
- 7 Thayer County
- 8 Merrick County
- 9 Dawson County
- 10 Brown County
- 11 Perkins County
- 12 Washington County

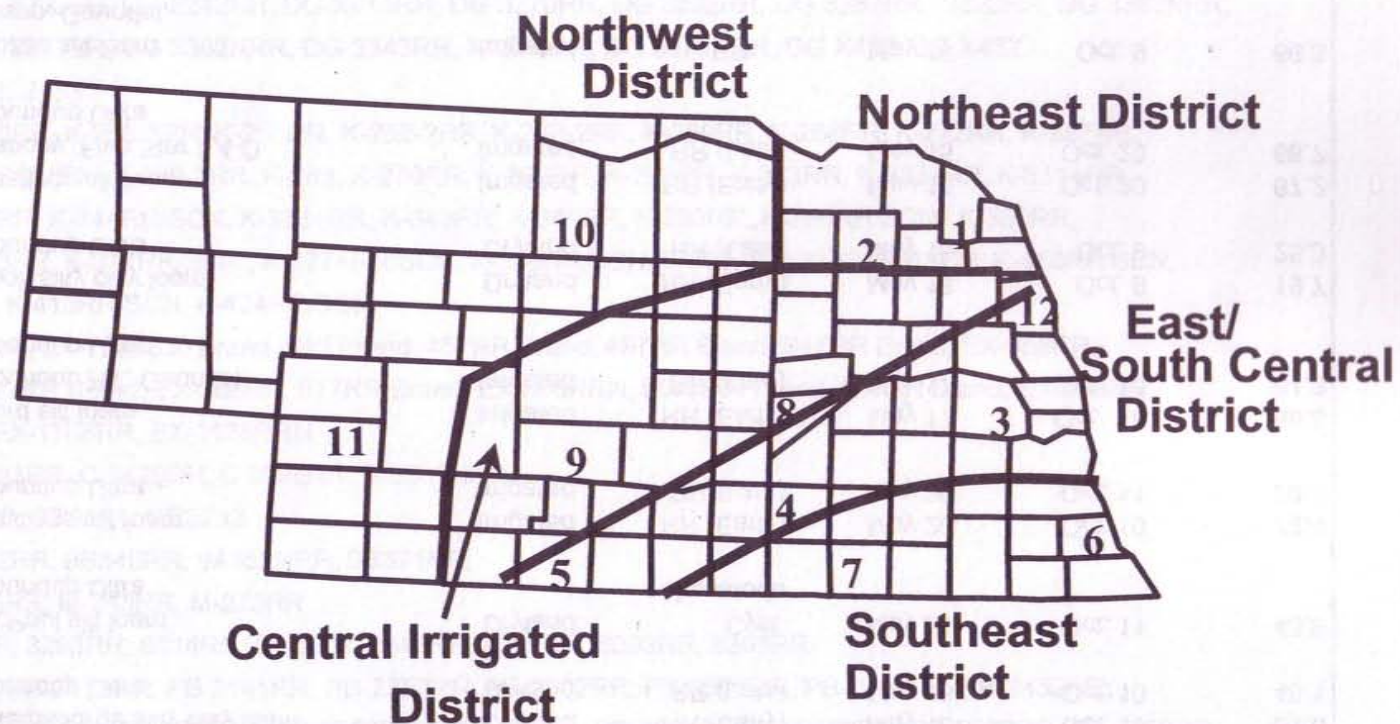


Table A. Locations. Nebraska Soybean Performance Tests. 2002.

Location/Cooperator	Soil Type/Herbicide	Condition	Test	Planted	Harvested	Average yield bu/A
Northeast District						
Dixon County	Baltic silty clay	Dryland	Conv	May 23	Oct. 14	47.3
NEREC	Dual II Magnum, Assure II, Pursuit	Dryland	RR (Early)	May 23	Oct. 14	45.6
	Roundup Ultra	Dryland	RR (Late)	May 23	Oct. 14	49.0
	Thurman loamy fine sand	Irrigated	Conv	May 28	Nov. 7	67.7
Pierce County	Pursuit Plus, Blazer Ultra	Irrigated	RR (Early)	May 28	Nov. 7	67.6
Joel Carpenter, Plainview		Irrigated	RR (Late)	May 28	Nov. 7	65.5
East/South Central District						
Saunders County	Sharpsburge silty clay loam	Dryland	RR (Early)	May 16	Oct. 10	51.6
Keith Stewart, Ceresco	Roundup Ultra	Dryland	RR (Late)	May 16	Oct. 10	48.1
Washington County	McPaul silt loam	Dryland	Cyst Nematode	May 21	Oct. 11	43.9
Larry Stratbucker, Fort Calhoun	Roundup Ultra					
Clay County	Hastings silt loam	Irrigated	RR (Early)	May 20	Oct. 10	72.4
SCREC, Clay Center	Roundup Ultra	Irrigated	RR (Late)	May 20	Oct. 11	70.8
Furnace County	Hord silt loam	Irrigated	RR (Early)	May 17	Oct. 10	66.8
J. F. Hoffman Holbrook	Roundup RT, Gauntlet Roundup Ultra	Irrigated	RR (Late)	May 17	Oct. 10	64.3
Southeast District						
Nemaha County	Zook silty clay loam	Dryland	RR (Early)	May 16	Oct. 9	19.7
Dan Gerdes, Johnson	Roundup Ultra	Dryland	RR (Late)	May 16	Oct. 9	25.3
Thayer County	Hastings silt loam	Irrigated	RR (Early)	May 15	Oct. 20	67.2
Scott Dewald Hebron	Canopy, Five Star 2,4-D Roundup Ultra	Irrigated	RR (Late)	May 15	Oct. 20	66.7
Central Irrigated District						
Dawson County	Cozad silt loam	Irrigated	RR	May 16	Oct. 9	66.3
Kurt Kline, Lexington	Lasso, Gauntlet, Roundup Ultra					
Merrick County	Sandy loam	Irrigated	RR	June 5	Oct. 15	75.9
Vernon Svitak & Sons	Canopy, Dual II Magnum Roundup Ultra					
North Central District						
Brown County	Johnstown loam	Irrigated	All	May 22	Oct. 11	66.3
Marty Graff, Ainsworth	Prowl, Firststate					
Perkins County	Kuma silt loam	Irrigated	All	May 21	Oct. 7	68.0
Bob Cummings, Elsie	Roundup Ultra					

Table B. Entries. Nebraska Soybean Performance Tests - 2002

BRAND	ENTRIES
AGRIPRO/GARST	2332 RR, 2569, 2603RR, 3013 RR/N, 3112 RR/N, 3135RR, 3212RR/N, XR28N77,
BIO GENE SEEDS	BG 3620NRR, BG 342RR, BG 3202NRR, BG 2802NRR
CROWS	C2435R, C2842R, C2915R, C3115R
DYNA-GRO	DG 3232RR, DG 3200RR, DG 3242RR, DG X413RR, DG 3270RR, DG 3292RR, DG 3287RR, 3323RR, DG 3362NRR, DG 3334RR, DG 3353RR, DG 3362NRR, DG 3343RR, X429NRR, DG 3373NRR, DG X430, DG X432
HELENA	2563, 2812, 2911, 2133
KRUGER	K-222+RR, K-250RR, K-255-5RR, K-255RR, K-252-2RR, K-262-2RR, K-269RR, K-268RR, K-272RR, K-287RR, K-288-8-8RR, K-282+RR, K-282-2RR, K-283, K-270RR, K-292RR, K-299RR, K-323RR, K-323+RR, K-311+RR, K-333RR, K-326RR, K-344RR/SCN, K-333+RR, K-343RR, K-349RR, K-353RR, K-366RR/SCN, K-359RR, K-373+RR, K-343RR, K-377RR/SCN, K-377+RR/SCN, K-389RR/SCN, K-399+RR, K-401RR/SCN, K-410RR/SCN, K-410ARR/SCN, K-413RR/SCN, K-424RR/SCN
LATHAM	EX-620, 690 Brand, EX-700, 830 Brand, 940 Brand, 457RR Brand, 497RR Brand, 647RR Brand, EX-658RR, 697RR Brand, 727RR Brand, EX-738RR, 917RR Brand, EX-878RRN, 957RRN Brand, 967RR Brand, EX-678RR, 1067RR Brand, EX-1108RR, EX-1138RRN
LG SEEDS	C 2434RR, C 2883RR, C 3429RR, C 3996RR, C 2982NRR,
M/W GENETICS	GR2485, GR2746, GR3101, GR3732
MIDLAND	9G281RR, 9A312RR, 9B340RR, 9A352NRR, 9B371RR,
MUSTANG	M-201RR, M-203RR, M-243RR, M-273RR
NUPRIDE	8213RR, 8262RR, 8283RR, 8314RR, 8323RR, 8341RR, 8362RR, 8393RR, 8303RR
PRAIRIE BRAND	PB-178, PB-256, PB-2112RR, PB-2141RR, PB-2352RR, PB-2232RR, PB-2397RR, PB-2421RR, PB-2452RR, PB-2832RR, PB-2821RR, PB-3230RR, PB-3252RR, PB-3432RR, PB-3621RR, PB-3452RR, PB-2572RR, PB-2552RR
SANDS	SOI 288, SOI 247N, SOI 2143RR, SOI 2531RR, SOI 2541RR, SOI 2606NRR, SOI 2642NRR, SOI 271RR, SOI 2792RR, SOI 2848RR, SOI 2872RR, SOI 2900NRR, SOI3140RR, SOI 3632NRR
STINE	S2640-4, S3183-4, S3200-4, S3300-4, S3632-4
RENZE	R2312R, R2403R, R2483Rcn, R2693Rcn, R2783Rcn, R2803R, R2822R, R2991Rcn, R3102R, R3111R, R3383Rcn, R3692R
TAYLOR	357RR
TRIUMPH	TR2J28RR
U.S. SEEDS	US S2703RR, US S3201RR, US S3703RR, US S2503RR, US S3003RR, US S2403RR, US S3902RR
WILLCROSS SEED	RR 2312, RR 2323N, RR 2333, RR 2353, RR 2362N, RR 2373N

Table C. Entrants. Nebraska Soybean Performance Tests. 2002

Brand	Entrant	Address
AgriPro/Garst	AgriPro/Garst	R.R.1, Box 64, St. Edward, NE 68660
Bio Gene Seeds	Bio Gene Seeds	5491 Tri County Hwy, Sardinia OH 45171
Crow's	Crow's Hybrid Corn Company	P.O.Box 157, Kentland, IN 47951
Dyna Gro	Dyna Gro UAP- Pueblo	Box 1279 2502 John St., Garden City,KS 67846
Dyna Gro	UAP Midwest	Box 10 HWY M64 South Wall Lake,Iowa 51466
Helena	Helena	7137 Vista Drive, W. Des Moines, IA 50266
Kruger	Kruger Seed Company	6131 North Fork Road, Ames, IA 50010
Latham	Latham Seed Company	131 180th St., Alexander, IA 50420-8028
LG Seeds	LG Seeds	1620 Hwy 10, Gibbon, NE 68840
Midwest Seed Genetics	Midwest Seed Genetics	23751 Hwy 30, East Carroll, IA 51401
Midland	Midland Seeds	980 Hwy 15, Hope, KS 67451
Mustang	Mustang Seeds	Box 466, Madison, SD 57042
NuPride	NuPride Genetics Network	P.O. Box 830911, Lincoln, NE 68583-0911
Prairie Brand	Prairie Brand Seed Company	15 X Avenue, Story City, IA 50248
Renze	Renze Hybrids Inc.	27410 Kittyhawk Ave., Carroll, IA 51401
Sands	Sand Seed Service	P.O.Box 648, Marcus. IA 51035
Stine Seed Company	Stine Seed Company	2225 Laredo Trail, Adel, IA 5003
Triumph	Triumph Seed Company	P.O.Box 1050, Ralls, TX 79357
Taylor	Taylor Seed Farms	2467 Hwy 7, White Cloud, KS 66094
U.S. Seeds	United Suppliers Inc.	P.O.Box 538, Eldora, IA 50627
Willcross	King City Seed	4564 HWY 169, King City,MO 64463

Table D. Soybean performance over three years. 2000 - 2002

Test	Year	Yield bu/A	Mature date	Lodging score	Height inches	Seeds /pound	Bushel weight	Protein %	Oil %	EPVA \$/A
Northeast										
Conventional	2000	50.6	9-19	1.3	30	3410	----	34.9	18.2	285
	2001	57.0	----	1.2	29	3111	56.9	33.3	16.6	293
	2002	57.5	9-24	2.5	28	3079	55.2	38.5	18.5	348
RR (earlies)	2000	48.9	9-17	1.1	32	3551	----	35.3	18.3	278
	2001	54.4	9-20	1.1	31	3405	57.0	32.2	17.0	282
	2002	56.6	9-23	1.9	28	3079	54.6	38.2	18.6	341
RR (lates)	2000	48.3	9-20	1.0	31	3288	----	35.0	18.3	272
	2001	59.6	----	1.1	34	3331	57.5	32.2	16.8	308
	2002	57.2	9-27	1.8	31	3112	54.8	38.3	18.6	346
Central										
Conventional/RR	2000	42.1	----	1.8	25	2949	54.9	34.6	19.3	240
	2001	70.1	----	1.2	40	2976	56.5	31.6	17.1	360
	2002	71.1	----	1.5	37	2818	52.1	36.9	18.6	419
East/South Central										
RR (earlies)	2000	60.5	10-2	1.1	37	3037	55.4	35.4	17.9	360
	2001	47.8	9-16	2.0	36	3726	53.6	35.6	18.6	274
	2002	55.5	9-25	1.9	32	2825	54.7	36.7	18.4	328
RR (lates)	2000	46.4	9-19	1.8	38	3983	54.2	35.2	18.1	262
	2001	65.5	10-1	1.5	38	2944	58.4	32.0	17.1	339
	2002	57.7	9-29	1.9	32	2775	54.6	36.7	18.0	338
Southeast										
RR (earlies)	2000	53.7	9-17	1.9	39	3714	52.9	36.2	18.1	310
	2001	63.6	9-28	1.3	35	3362	57.9	31.2	17.4	325
	2002	19.7	9-26	----	16	3029	----	36.0	16.9	111
RR (lates)	2000	51.5	9-19	2.1	41	3685	53.0	36.6	17.7	297
	2001	62.0	10-2	1.3	36	3391	57.6	31.2	17.1	315
	2002	25.3	9-29	----	17	2930	56.5	36.1	16.8	143
North Central										
Conventional/RR	2000	47.0	----	2.0	32	3229	55.7	36.0	18.1	269
	2001	56.6	----	1.2	36	3142	56.8	32.8	17.8	302
	2002	66.9	----	1.6	39	2772	53.5	38.9	17.6	416

Soybean Variety Characteristics 2002

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4
-----	NE 1900	W	G	Br	Y	1.9	I	S	S
-----	NE 2701	P	G	Tn	Ib	2.7	D	-	S
-----	NE 2801	W	T	Tn	Bl	2.8	I	-	R
-----	NE 2802	W	G	Br	Ib	2.8	I	-	-
-----	NE 3001	W	G	Br	Bf	3.0	D	-	S
-----	NE 3101	P	G	Br	Br	3.1	D	-	-
-----	NE 3201	P	G	Br	Br	3.2	I	-	S
-----	NE 3202	P	G	Br	G	3.2	I	-	-
-----	NE 3399	W	G	Br	Bl	3.0	I	-	S
-----	NE 3400	P	G	Tn	Bf	3.4	I	-	-
-----	NE 3402	P	G	Tn	Ib	3.4	I	-	-
-----	NE 3702	P	G	Br	Ib	3.7	I	-	-
AgriPro/Garst	2332RR	W/P	T	-	Bl	2.3	-	S	S
AgriPro/Garst	2569	P	G	Br	Bf	2.5	-	S	S
AgriPro/Garst	2603RR	P	T	Br	Bl	2.6	I	S	S
AgriPro/Garst	3135RR	W	T	Tn	Br	3.1	I	R	R
AgriPro/Garst	3212RR/N	P	T	Tn	Bl	3.2	-	R	R
AgriPro/Garst	3013RR/N	P	G	-	Ib	3.0	-	S	S
AgriPro/Garst	3112RR/N	W	T	Tn	Bl	3.1	-	S	S
AgriPro/Garst	XR28N77	P	G	Tn	Ib	2.8	-	R	S
Bio Gene Seeds	BG 2802NRR	P	G	Tn	Ib	2.8	I	S	S
Bio Gene Seeds	BG3202NRR	P	G	Br	Ib	3.2	I	R	S
Bio Gene Seeds	BG342RR	W	T	Tn	Bl	3.4	I	R	R
Bio Gene Seeds	BG 3620	P	T	Tn	Bl	3.7	I	R	R
CROW'S	C2435R	W	T	Tn	-	2.4	I	R	R
CROW'S	C2842R	P	G	Tn	Bl/Ib	2.8	I	-	-
CROW'S	C2915R	W	G	Tn	Bf	2.9	I	R	S
CROW'S	C3115R	W/P	T	Tn	Br	3.1	I	R	S
DYNA-GRO	DG 3232RR	W	T	Tn	Br	2.3	I	-	-
DYNA-GRO	DG 3200RR	W	T	Tn	Bf	3.5	I	-	-
DYNA-GRO	DG 3242RR	P	G	Tn	Ib	2.4	I	R	R
DYNA-GRO	DG X413RR	W	LT	Br	Br	2.5	I	-	-
DYNA-GRO	DG 3292NRR	W	G	Tn	Bf	2.9	I	R	-
DYNA-GRO	DG 3323RR	W	LT	Tn	Br	3.2	I	R	R
DYNA-GRO	DG 3362NRR	P	LT	Tn	Bl	3.6	I	R	R
DYNA-GRO	DG 3343RR	P	T	Br	Bl	3.4	I	R	R
DYNA-GRO	DG 3270 RR	P	G	Br	Ib	2.7	I	R	R
DYNA-GRO	DG 3287RR	P	G	Tn	Ib	2.8	I	R	R
DYNA-GRO	DG X429RR	P	T	Tn	Bl/Br	2.7	I	R	R
DYNA-GRO	DG 3373NRR	P	G	Br	Ib	3.7	I	R	-
DYNA-GRO	DG X430RR	P	G	Br	Ib	2.7	I	R	R
DYNA-GRO	DG X432RR	P	G	Br	Ib	2.8	I	-	-
Helena	2563	P	T	Br	Br	2.5	I	R	R
Helena	2812	P	G	Tn	Ib	2.8	I	R	R
Helena	2911	W	G	Tn	Bf	2.9	I	R	R
Helena	2133	W	T	Tn	Br	2.1	I	S	S
KRUGER	K-222+RR	W/P	T	Tn	Bl	2.2	I	-	-
KRUGER	K-250RR	W	T	Tn	Br	2.5	I	-	-
KRUGER	K-255-5RR	W	T	Tn	Bl	2.5	I	-	-
KRUGER	K-255RR	-	-	-	-	2.5	I	-	-
KRUGER	K-252-2RR	P	G	Tn	Ib	2.5	I	R	R
KRUGER	K-262-2RR	P	G	Tn	Ib	2.6	I	R	R
KRUGER	K-269RR	W	T	Br	Br	2.6	I	S	S
KRUGER	K-268RR	P	G	Tn	Ib	2.6	I	R	R

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Soybean Variety Characteristics 2002 Page 2

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4
KRUGER	K-272RR	P	T	Tn	Br	2.7	I	-	-
KRUGER	K-287RR	-	-	-	-	2.8	I	-	-
KRUGER	K-288-8RR	P	G	Br	lb	2.8	I	R	R
KRUGER	K-282+2RR	P	T	Tn	Bl	2.8	I	S	S
KRUGER	K-282-2RR	P	G	Tn	lb	2.8	I	S	S
KRUGER	K-283	P	G	Br	lb	2.8	I	-	-
KRUGER	K-270RR	P	G	Br	lb	2.7	I	-	-
KRUGER	K-292RR	W	T	Tn	Bl	2.9	I	R	R
KRUGER	K-299RR	W/P	T	Tn l/Br/G/lb		2.9	I	R	R
KRUGER	K-323RR	W	T	Tn	Br	3.2	I	R	R
KRUGER	K-323+RR	W	T	Tn	Br	3.2	I	R	R
KRUGER	K-311+RR	P	T	Br	Bl	3.1	I	-	-
KRUGER	K-333RR	W	T	Br	Bl	3.3	I	-	-
KRUGER	K325RR	P	T	Br	Bl	3.2	I	S	S
KRUGER	K-344RR/SCN	P	G	Br	lb	3.4	I	-	-
KRUGER	K-333+RR	P	T	Tn	Br	3.3	I	R	R
KRUGER	K-343RR	P	T	Br	Bl	3.4	I	-	-
KRUGER	K-349RR	P	G	Tn	lb	3.4	I	R	R
KRUGER	K-353RR	P	T	Br	Bl	3.5	I	R	R
KRUGER	K-366RR/SCN	P	T	Br	Bl	3.5	I	R	R
KRUGER	K-359RR	P	G	Br	lb	3.7	I	R	R
KRUGER	K-373+RR	P	T	Tn	Br	3.7	I	R	R
KRUGER	K-377RR/SCN	P	T	Tn	Bl	3.7	I	R	R
KRUGER	K-377+RR/SCN	P	T	Tn	Bl	3.7	I	R	R
KRUGER	K-389RR/SCN	P	G	Tn	lb	3.8	I	R	R
KRUGER	K-399+RR	P	T	Br	Bl	3.9	I	R	R
KRUGER	K-401 RR/SCN	W	G	Tn	Bf	4.0	I	R	R
KRUGER	K-410RR/SCN	W	T	Br	Bl	4.1	I	-	-
KRUGER	K-410ARR/SCN	P	T	Br	Bl	4.1	I	-	-
KRUGER	K-413RR/SCN	P	T	Tn	Bl	4.1	I	-	-
KRUGER	K-424RR/SCN	P	T	Br	Bl	4.2	I	-	-
LG SEED	C 2434RR	P	G	Tn	lb	2.0	I	R	R
LG SEED	C 2883RR	P	G	Tn	lb	2.0	I	R	R
LG SEED	C 3429RR	P	G	Br	lb	3.0	I	R	S
LG SEED	C 3996RR	P	T	Br	Bl	3.0	I	S	S
LG SEED	C-2982NRR	W	G	Tn	Bf	2.0	I	R	S
LATHAM	EX-620	P	G	Tn	lb	2.4	I	S	S
LATHAM	690 Brand	P	G	Br	Bf	2.4	I	S	S
LATHAM	EX-700	P	LT	Tn	Br	2.5	I	S	S
LATHAM	830 Brand	P	T	Br	Bl	2.7	I	S	S
LATHAM	940 Brand	P	G	Br	lb	2.9	I	S	S
LATHAM	457RR Brand	W	LT	Tn	Br	2.3	I	S	S
LATHAM	497RR Brand	W	LT	Tn	Br	2.3	I	R	R
LATHAM	647RR Brand	P	G	Tn	lb	2.4	I	R	R
LATHAM	EX-658RR	P	LT	Tn	Br	2.4	I	S	S
LATHAM	EX-678RR	W	LT	Br	Br	2.5	I S	S	S
LATHAM	697RR Brand	W	LT	Tn	Br	2.5	I	R	S
LATHAM	727RR Brand	P	LT	Tn	Br	2.6	I	R	R
LATHAM	EX-738RR	P	T	Br	Bl	2.6	I	S	S
LATHAM	EX-878RRN	P	G	Tn	lb	2.8	I	R	S
LATHAM	917RR Brand	P	T	Tn	Br	2.8	I	R	R
LATHAM	957RRN Brand	W	G	Tn	2.9	2.9	I	R	S
LATHAM	967RR Brand	P	G	Br	lb	2.9	I	S	S
LATHAM	1067RR Brand	W	LT	Tn	Br	3.0	I	R	R

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Soybean Variety Characteristics 2002 Page 3

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4
LATHAM	EX-1108RR	W	T	Br	Bl	3.2	I	S	S
LATHAM	EX-1138RRN	P	G	Br	lb	3.2	I	R	S
M/W GENETICS	GR2485	W	T	Tn	2.4	2.4	I	R	R
M/W GENETICS	GR2746	P	G	Br	lb	2.7	I	S	S
M/W GENETICS	GR3101	W/P	T	Tn	Br	3.1	I	R	R
M/W GENETICS	GR3732	P	G	Tn	lb	3.7	I	R	S
MIDLAND	9G281RR	P	G	Br	lb	2.8	I	-	-
MIDLAND	9A312RR	W	T	Tn	Br	3.1	I	-	-
MIDLAND	9B340RR	W	T	Tn	Bl	3.4	I	-	-
MIDLAND	9A352NRR	P	G	Tn	lb	3.5	I	-	-
MIDLAND	9B371RR	P	G	Br	Bl	3.7	I	-	-
MUSTANG	M-201RR	W	T	Tn	Br	2.0	I	R	R
MUSTANG	M-203RR	-	-	-	-	2.0	I	-	-
MUSTANG	M-243RR	-	-	-	-	2.0	I	R	R
MUSTANG	M-273RR	-	-	-	-	2.0	I	-	-
NuPride	8213RR	-	T	Br	Bl	2.0	I	R	S
NuPride	8262RR	-	-	-	-	2.0	I	-	-
NuPride	8283RR	W	T	Tn	Bl	2.0	I	S	S
NuPride	8314RR	P	T	Tn	Bl	3.0	I	R	S
NuPride	8323 RR	W	T	-	Br	3.0	I	S	S
NuPride	8341RR	P	T	Tn	Bl	3.0	I	S	S
NuPride	8362RR	-	-	-	-	3.0	I	-	-
NuPride	8393 RR	P	T	-	Bl	3.0	I	S	S
NuPride	8303RR	-	-	-	-	3.0	SD	-	-
PRAIRIE BRAND	PB-178	P	T	Tn	Br	1.8	I	S	S
PRAIRIE BRAND	PB-256	P	G	Br	lb	2.5	I	R	S
PRAIRIE BRAND	PB-2112RR	W	T	Tn	Bf	2.1	I	S	S
PRAIRIE BRAND	PB-2141RR	W	T	Tn	Br	2.1	I	R	R
PRAIRIE BRAND	PB-2352RR	W	T	Tn	Bl/Br	2.3	I	R	R
PRAIRIE BRAND	PB-2232RR	P	T	Br	Bl	2.2	I	R	R
PRAIRIE BRAND	PB-2397RR	W	T	Tn	Br	2.3	I	S	S
PRAIRIE BRAND	PB-2421RR	P	G	Tn	lb	2.4	I	R	R
PRAIRIE BRAND	PB-2452RR	P	T	Tn	Br	2.4	I	S	S
PRAIRIE BRAND	PB-2552RR	W	T	Tn	Br	2.5	I	S	S
PRAIRIE BRAND	PB-2572RR	P	G	Br	lb	2.5	I	S	S
PRAIRIE BRAND	PB-2832RR	P	T	Tn	Bl	2.8	I	S	S
PRAIRIE BRAND	PB-2821RR	P	G	Br	lb	2.8	I	S	S
PRAIRIE BRAND	PB-3230RR	W	T	Tn	Br	3.1	I	R	R
PRAIRIE BRAND	PB-3252RR	W	T	Tn	Bl	3.2	I	S	S
PRAIRIE BRAND	PB-3432RR	P	T	Tn	Bl	3.4	I	R	R
PRAIRIE BRAND	PB-3452RR	P	G	Br	lb	3.4	I	S	S
PRAIRIE BRAND	PB-3621RR	P	T	Tn	Bl	3.7	I	R	R
Renze	R2312R	W/P	T	Tn	Bl	2.3	I	S	S
Renze	R2403R	W	G	Tn	Bf	2.4	I	R	R
Renze	R2483Rcn	W	G	Tn	Bf	2.4	I	R	S
Renze	R2693Rcn	P	G	Br	lb	2.6	I	S	S
Renze	R2783Rcn	P	G	Tn	lb	2.7	I	R	S
Renze	R2803R	P	G	Br	lb	2.8	I	S	S
Renze	R2822R	P	G	Tn	lb	2.8	I	R	R
Renze	R2991Rcn	W	G	Tn	Bf	2.9	I	R	S
Renze	R3102R	W	T	Tn	Bl	3.1	I	R	R
Renze	R3111R	W	T	Tn	Br	3.1	I	R	R
Renze	R3383Rcn	P	G	Br	lb	3.3	I	R	S
Renze	R3692R	P	T	Tn	Bl	3.7	I	R	R

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Soybean Variety Characteristics 2002 Page 4

Brand	Variety	Flower color	Pubesc color	Pod color	Hilum color	Maturity group	Growth habit	Phytop Race 1	Race 4
SANDS	SOI 288	P	G	Br	lb	2.0	I	S	S
SANDS	SOI 247N	P	G	Tn	lb	2.0	I	S	S
SANDS	SOI 2143RR	W	T	Tn	Br	2.0	I	R	R
SANDS	SOI 2531RR	P	T	Tn	Br	2.0	I	R	R
SANDS	SOI 2541RR	P	G	Br	lb	2.0	I	S	S
SANDS	SOI 2606NRR	P	G	Br	Bf	2.0	I	R	R
SANDS	SOI 2642NRR	P	G	Br	lb	2.0	I	R	S
SANDS	SOI 271RR	P	T	Tn	Br	2.0	I	R	R
SANDS	SOI 2792RR	P	G	Br	lb	2.0	I	R	R
SANDS	SOI 2848RR	W/P	T	Tn	Bl/Br	2.0	I	R	R
SANDS	SOI 2872RR	P	G	Br	lb	2.0	I	S	S
SANDS	SOI 2900NRR	W	G	Tn	Bf	2.0	I	R	S
SANDS	SOI 3140RR	W	T	Tn	Br	3.0	I	R	R
SANDS	SOI 3632NRR	P	T	Tn	Bl	3.0	I	R	R
STINE	S2640-4	W	T	Br	Br	2.4	I	S	S
STINE	S3183-4	W	T	Tn	Br	3.1	I	R	R
STINE	S3200-4	W	T	Br	Bl	3.2	I	S	S
STINE	S3300-4	P	T	Br	Bl	3.1	I	R	R
STINE	S3632-4	P	T	Tn	Bl	3.8	I	R	R
TAYLOR	357RR	-	G	-	-	3.0	I	-	-
TRIUMPH	TRX2J28RR	P	G	Br	lb	2.8	I	-	-
U.S. SEEDS	US S2703RR	P	G	Br	lb	2.7	I	S	S
U.S. SEEDS	US S3201RR	P	T	Tn	Br	3.2	I	R	R
U.S. SEEDS	US S3703RR	P	T	Tn	Bl	3.7	I	R	R
U.S. SEEDS	US S2503RR	W	T	Br	Br	2.5	I	S	S
U.S. SEEDS	US S3003RR	W	T	Tn	Br	3.0	I	R	R
U.S. SEEDS	US S2403RR	W	G	Tn	Bf	2.4	I	R	R
U.S. SEEDS	US 3902RR	W/P	T	Tn	Bl	3.9	I	S	S
WILLCROSS	RR2312	W	T	Tn	Br	3.1	I	R	R
WILLCROSS	RR2323N	P	G	Br	lb	3.2	I	R	S
WILLCROSS	RR2333	W	T	Br	Bl	3.3	I	-	-
WILLCROSS	RR2353	P	G	Br	lb	3.5	I	R	S
WILLCROSS	RR2362N	P	T	Tn	Bl	3.6	SD	R	R
WILLCROSS	RR2373N	P	G	Tn	lb	3.7	SD	R	S

- DATA NOT SUBMITTED

1 Pod color: Tn = Tan, Br = Brown

2 Hilum color: Bf = Buff, Bl = Black, Br = Brown, G = Gray, lb = Imperfect black, Y = Yellow or clear.

3 Phytophthora rating: R = resistant, S = susceptible,

4 Flower color: W = white, P = purple

5 Growth habit: I = indeterminate, SD = semideterminate, D = determinate

Northeast Conventional Soybean Variety Test Dixon and Pierce Counties - 2002



Brand	Variety	YIELD			BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY	
		AVERAGE BU/A	DIXON BU/A	PIERCE BU/A								MO	DAY
SANDS	SOI 288	61.2	53.2	69.2	55.9	2.8	30	3190	38.3	17.7	365.36	9	27
LATHAM	940	60.6	52.9	68.3	55.3	2.8	31	3070	38.3	18.0	363.60	9	29
LATHAM	EX-620	59.1	47.6	70.5	54.7	2.1	27	3030	38.6	18.8	361.10	9	23
LATHAM	690	58.8	46.6	71.0	56.4	2.4	28	2960	38.2	18.8	356.33	9	24
PRAIRIE BRAND	PB-256	55.5	44.8	66.1	54.8	2.4	28	3000	38.5	18.4	335.77	9	23
PRAIRIE BRAND	PB-178	55.2	38.7	71.7	54.5	2.4	27	3190	39.0	18.4	337.27	9	20
LATHAM	EX-700	52.0	47.0	56.9	54.7	2.9	30	3100	38.5	18.2	313.56	9	25
Average all entries		57.5	47.3	67.7	55.2	2.5	28	3079	38.5	18.5	347.57	9	24
Difference req. for sig. 5%		NS	16.5	NS	NS	NS	2	NS	NS	1.0	NS		4

Northeast Conventional Soybean Variety Tests 2001 - 2002



BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY	
										MO	DAY
2 Year Average											
LATHAM	940	59.9	2.0	31.0	56.4	3170	35.3	17.0	332.00	9	29.0
LATHAM	690	57.3	1.7	28.0	56.4	2980	35.1	17.9	322.00	9	23.0
Average all entries		58.6	1.9	29.5	56.4	3075	35.2	17.5	327.00	9	26.0
Difference req. for sig. 5%		NS	NS	0.5	2.2	NS	NS	NS	NS		1.5

Northeast Early Roundup Ready Soybean Variety Test Dixon and Pierce Counties - 2002



Brand	Variety	YIELD			BUSHEL	PLANT	PLANT	GRAIN	GRAIN	GRAIN	EPVA	MATURITY		
		AVERAGE	DIXON	PIERCE	WEIGHT	LODGING	HEIGHT	SEED	PROTEIN	OIL		\$/A	MO	DAY
		BU/A	BU/A	BU/A	LB/BU	RATING	INCHES	/LB	PCT	PCT				
DYNA-GRO	3242 RR	60.5	48.0	73.0	55.0	1.8	27	3090	38.0	18.8	365.12	9	24	
KRUGER	K-255RR	60.2	49.3	71.1	53.8	1.8	27	3080	36.9	19.0	356.69	9	25	
LATHAM	647RR	60.2	48.4	71.9	54.9	1.6	27	3040	37.8	19.0	362.71	9	21	
RENZE	R2403R	60.1	47.2	72.9	55.0	2.0	29	2900	37.3	19.0	358.50	9	21	
KRUGER	K-268RR	60.0	50.8	69.1	55.1	2.2	28	3060	37.0	19.2	356.70	9	25	
KRUGER	K-270RR	59.4	48.1	70.6	55.3	2.3	34	2990	38.0	18.6	356.99	9	26	
MUSTANG	M-203RR	58.4	44.8	72.0	54.0	1.5	26	2920	38.1	18.7	352.44	9	23	
KRUGER	K-252-2RR	58.0	44.8	71.2	56.0	1.7	27	3130	38.0	18.7	348.58	9	22	
KRUGER	K-250RR	57.9	47.9	67.8	55.0	2.1	30	3150	38.4	18.8	352.03	9	20	
KRUGER	K-287RR	57.8	48.0	67.5	55.3	1.7	30	3000	39.2	18.2	353.16	9	27	
KRUGER	K-272RR	57.7	46.1	69.3	56.1	1.8	27	2960	38.8	18.2	350.24	9	24	
LATHAM	457RR	57.7	44.9	70.5	54.8	2.2	31	3070	38.8	18.6	351.68	9	21	
KRUGER	K-262-2RR	57.6	46.9	68.3	53.6	2.2	29	3120	37.8	18.8	346.18	9	22	
PRAIRIE BRAND	PB-2112RR	57.6	45.8	69.3	53.6	1.9	25	2930	38.2	18.5	347.04	9	21	
KRUGER	K-282+RR	57.6	49.9	65.2	55.3	1.6	30	2890	38.4	18.9	351.07	9	29	
LG SEEDS	C2434RR	57.4	47.6	67.1	54.9	2.1	26	3060	37.7	18.8	344.11	9	22	
PRAIRIE BRAND	PB-2452RR	56.8	47.0	66.6	55.9	2.3	27	3180	38.7	18.5	345.63	9	24	
DYNA-GRO	3200 RR	56.5	42.5	70.4	54.0	1.6	25	2750	37.8	18.7	338.72	9	21	
PRAIRIE BRAND	PB-2397RR	56.5	45.5	67.5	55.7	2.4	31	3180	38.9	18.4	344.37	9	22	
CROW'S	C2435R	56.3	50.3	62.3	55.5	2.3	29	3340	37.9	18.4	336.39	9	23	
KRUGER	K-269RR	56.3	46.4	66.1	55.7	1.7	30	2990	38.9	18.3	342.59	9	25	
PRAIRIE BRAND	PB-2141RR	56.3	44.1	68.5	54.4	1.9	24	2960	38.1	18.7	339.49	9	22	
STINE	2640-4	56.1	45.5	66.6	54.3	2.3	30	2990	38.8	17.9	339.40	9	25	
M/W GENETICS	GR2485	56.0	46.9	65.0	54.7	2.3	30	3440	37.9	18.3	333.76	9	22	
PRAIRIE BRAND	PB-2421RR	56.0	46.9	65.1	54.6	1.6	30	3250	38.8	18.3	339.92	9	22	
KRUGER	K-255-5RR	55.9	44.6	67.2	55.2	1.4	27	3510	37.3	18.9	333.44	9	25	
ASGROW	AG2402 ##	55.6	44.8	66.3	53.6	1.9	31	3330	38.3	18.8	336.94	9	21	
LATHAM	EX-658RR	55.5	44.2	66.7	56.0	2.4	28	3090	38.7	18.4	338.00	9	24	
PRAIRIE BRAND	PB-2232RR	55.1	41.1	69.1	53.6	1.2	26	2970	38.5	18.8	335.01	9	23	
Novartis	S24-K4 ##	54.7	41.2	68.2	54.5	2.1	30	3090	38.2	18.7	331.21	9	20	
AGRIPRO/GARST	2332RR	54.5	45.8	63.1	55.0	1.9	26	3180	38.7	18.5	331.63	9	19	
DYNA-GRO	3232 RR	54.5	43.7	65.3	49.5	2.0	30	3060	38.2	18.5	329.18	9	23	
LATHAM	497RR	53.3	42.5	64.0	54.5	2.1	25	2900	38.1	18.6	320.87	9	22	
KRUGER	K-222+RR	53.2	42.8	63.6	55.0	2.1	28	3250	39.1	18.7	326.38	9	19	
RENZE	R2312R	52.7	40.6	64.8	54.0	2.0	30	3170	38.9	18.4	321.73	9	20	
PRAIRIE BRAND	PB-2352RR	52.7	41.2	64.2	54.2	2.1	26	3170	37.4	18.5	312.77	9	23	
MUSTANG	M-201RR	51.8	40.0	63.5	54.8	1.7	23	2800	38.2	18.7	312.61	9	21	
Average all entries		56.6	45.6	67.6	54.6	1.9	28	3079	38.2	18.6	341.39	9	23	
Difference req. for sig. 5%		NS	5.4	NS	NS	NS	3	230	1.2	0.5	NS		3	

Northeast Early Roundup Ready Soybean Variety Tests 2000 - 2002



BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	DAY
2 Year Average											
LATHAM	647RR	60.7	1.5	29	55.9	3200	34.9	18.1	340	9	21
KRUGER	K-255RR	59.1	1.4	30	55.9	3240	34.6	17.9	328	9	23
KRUGER	K-262-2RR	58.1	1.6	30	55.3	3250	34.9	18.0	325	9	21
KRUGER	K-252-2RR	57.9	1.3	28	56.7	3260	35.1	18.0	325	9	22
PRAIRIE BRAND	PB-2397RR	57.4	1.7	32	56.6	3290	35.7	17.7	324	9	21
KRUGER	K-255-5RR	57.1	1.4	29	56.1	3560	34.4	18.2	317	9	23
PRAIRIE BRAND	PB-2421RR	56.4	1.4	29	56.3	3310	35.5	17.6	318	9	22
DYNA-GRO	3232 RR	56.0	1.5	31	53.4	3210	35.5	17.8	316	9	21
KRUGER	K-272RR	56.0	1.4	30	56.8	3240	35.3	17.6	314	9	23
LATHAM	457RR	55.9	1.7	32	55.6	3250	35.6	17.9	318	9	20
M/W GENETICS	GR2485	55.8	1.7	31	56.3	3480	34.8	17.7	309	9	21
PRAIRIE BRAND	PB-2141RR	55.4	1.5	27	55.7	3070	35.0	17.9	311	9	21
CROW'S	C2435R	55.2	1.6	31	56.5	3530	34.9	17.6	307	9	22
Average all entries		57.0	1.5	30	55.9	3299	35.1	17.8	319	9	22
Difference req. for sig. 5%		NS	NS	3	NS	181	NS	0.4	NS		NS
3 Year Average											
LATHAM	457RR	55.1	1.5	32	55.6	3360	35.4	18.1	312	9	19
KRUGER	K-255-5RR	54.9	1.4	32	56.1	3610	34.2	18.4	305	9	23
DYNA-GRO	3232 RR	54.6	1.3	32	53.4	3320	35.5	17.9	309	9	21
PRAIRIE BRAND	PB-2397RR	54.6	1.5	32	56.6	3380	35.6	17.9	309	9	20
Average all entries		54.8	1.4	32	55.4	3418	35.2	18.1	309	9	21
Difference req. for sig. 5%		NS	NS	NS	NS	102	0.4	0.1	NS		1

Northeast Late Roundup Ready Soybean Variety Test

Dixon and Pierce Counties - 2002



Brand	Variety	YIELD			BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY	
		AVERAGE BU/A	DIXON BU/A	PIERCE BU/A								MO	DAY
LATHAM	1067RR	59.0	51.2	66.7	55.1	1.4	32	3240	38.1	18.5	354.89	10	1
HELENA	2563	53.8	45.3	62.3	54.5	1.6	31	3130	38.4	18.1	323.61	9	22
AGRIPRO/GARST	2603RR	55.2	48.1	62.2	53.9	1.6	30	3020	38.4	18.6	334.51	9	26
HELENA	2812	58.1	51.0	65.2	54.2	1.2	28	3230	38.4	18.4	350.92	9	28
HELENA	2911	56.5	48.4	64.6	55.0	1.8	31	3210	38.7	18.4	343.52	10	1
STINE	3200-4	55.1	48.8	61.3	54.4	1.8	33	3090	38.3	18.9	334.18	10	3
DYNA-GRO	3270 RR	55.9	51.2	60.6	54.1	1.9	35	3100	38.7	18.6	340.71	9	29
DYNA-GRO	3287 RR	58.2	48.8	67.6	54.5	1.2	30	3170	38.5	18.8	353.86	9	26
LATHAM	727RR	57.4	46.7	68.1	53.1	1.5	31	3420	38.0	18.3	343.83	9	27
LATHAM	917RR	58.6	55.0	62.2	55.9	1.8	32	3330	37.8	18.2	348.96	9	29
LATHAM	967RR	58.5	50.6	66.4	55.0	2.3	32	3030	38.4	18.8	355.39	9	27
MIDLAND	9A312RR	54.2	47.4	61.0	55.0	1.8	31	3380	37.9	18.5	324.39	10	2
MIDLAND	9G281RR	59.2	51.9	66.5	55.4	2.2	33	3060	38.2	19.0	359.64	9	28
ASGROW	AG2703 ##	59.0	47.9	70.0	54.7	1.4	32	3200	38.0	18.4	353.70	9	24
LG SEEDS	C2883RR	56.5	46.2	66.8	56.0	1.1	29	3250	38.3	18.7	341.82	9	27
GARST	D269RR ##	51.7	43.9	59.4	55.3	2.3	32	2980	38.2	18.6	312.53	9	25
LATHAM	EX-1108RR	53.6	49.8	57.4	55.7	1.9	32	3150	38.1	18.9	323.74	10	3
LATHAM	EX-678RR	61.5	51.7	71.2	54.4	2.1	29	2990	38.6	18.5	373.31	9	25
LATHAM	EX-697RR	56.6	44.0	69.1	54.2	1.7	28	3020	38.5	18.5	343.85	9	25
LATHAM	EX-738RR	53.0	46.9	59.0	55.3	1.8	30	2930	38.2	18.8	321.45	9	25
M/W GENETICS	GR2746	59.6	50.6	68.6	54.8	2.0	33	3150	37.8	18.8	359.09	9	28
KRUGER	K-282-2RR	58.8	47.4	70.2	54.6	0.9	29	3150	38.2	18.5	354.86	9	28
KRUGER	K-283RR	58.7	50.6	66.8	55.2	2.6	33	2960	38.4	18.6	355.14	9	27
KRUGER	K-288-8RR	58.7	49.9	67.5	55.3	1.6	29	3140	38.9	18.4	357.78	9	26
KRUGER	K-292RR	54.9	47.2	62.5	55.5	1.6	29	3260	38.5	18.2	330.77	9	30
KRUGER	K-299RR	54.5	46.0	63.0	55.3	2.2	29	3320	38.4	18.6	330.54	9	27
KRUGER	K-311+RR	58.4	51.9	64.8	55.2	2.8	33	3220	37.8	19.0	352.15	10	2
KRUGER	K-323RR	59.9	53.8	65.9	54.9	1.9	32	3230	37.9	18.5	358.80	9	30
KRUGER	K-333+RR	58.0	50.4	65.6	56.6	1.5	31	3320	38.6	18.0	349.74	10	1
KRUGER	K-333RR	54.0	51.9	56.0	53.6	2.1	33	3010	38.3	18.8	327.24	10	3
MUSTANG	M-243RR	60.6	48.5	72.6	54.7	1.7	28	2960	37.6	19.0	364.21	9	27
MUSTANG	M-273RR	54.2	46.8	61.5	54.5	2.3	34	2870	38.0	18.7	326.01	9	27
PRAIRIE BRAND	PB-2552RR	58.2	47.7	68.6	53.8	2.0	29	3010	38.5	18.4	352.11	9	26

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Northeast Late Roundup Ready Soybean Variety Test Page 2

Dixon and Pierce Counties - 2002



Brand	Variety	YIELD			BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY	
		AVERAGE BU/A	DIXON BU/A	PIERCE BU/A								MO	DAY
PRAIRIE BRAND	PB-2572RR	59.0	49.4	68.6	54.5	2.5	32	3010	38.2	18.5	355.48	9	24
PRAIRIE BRAND	PB-2821RR	61.1	53.6	68.5	55.4	2.2	32	2990	38.2	18.7	369.65	9	28
PRAIRIE BRAND	PB-2832RR	55.8	49.0	62.5	55.5	1.9	30	2990	38.4	18.8	338.98	9	30
RENZE	R2803R	59.0	51.0	67.0	54.3	2.3	32	3020	38.3	18.9	357.83	9	27
RENZE	R2822R	60.4	49.9	70.8	54.8	1.2	29	3120	38.7	18.7	368.44	9	27
SANDS	SOI 2143RR	55.7	42.8	68.5	53.2	1.6	23	2870	38.0	18.9	335.59	9	22
SANDS	SOI 2531RR	52.7	43.1	62.2	56.1	1.1	32	3260	38.3	18.0	316.73	9	22
SANDS	SOI 2541RR	59.0	47.3	70.6	54.6	2.2	31	3200	38.4	18.6	357.25	9	24
SANDS	SOI 271RR	57.7	50.9	64.4	54.6	1.6	31	3390	37.9	18.7	347.07	9	27
SANDS	SOI 2792RR	57.0	48.8	65.2	55.1	2.1	35	2990	38.5	18.8	347.41	9	29
SANDS	SOI 2872RR	58.9	50.6	67.2	54.8	2.1	33	3020	38.2	18.9	356.93	9	27
DYNA-GRO	X413 RR	58.0	46.7	69.3	54.1	1.6	30	2890	38.7	18.4	352.35	9	26
DYNA-GRO	X432 RR	60.2	55.0	65.4	55.0	2.3	35	3000	38.0	18.7	362.10	9	27
Average all entries		57.2	49.0	65.5	54.8	1.8	31	3112	38.3	18.6	346.03	9	27
Difference req. for sig. 5%		NS	5.4	6.7	NS	NS	3	205	0.6	0.4	NS		4

Northeast Late Roundup Ready Soybean Variety Tests 2001 - 2002

BRAND	VARIETY	GRAIN	PLANT	PLANT	BUSHEL	GRAIN	GRAIN	GRAIN	EPVA	MATURITY	
		YIELD	LODGING	HEIGHT	WEIGHT	SEED	PROTEIN	OIL		\$/A	MO
		BU/A	RATING	INCHES	LB/BU	/LB	PCT	PCT			
2 Year Average											
PRAIRIE BRAND	PB-2821RR	61.9	1.8	35	56.6	3090	35.1	17.9	347	9	26
KRUGER	K-323RR	61.2	1.7	33	56.0	3330	34.7	17.6	338	9	30
KRUGER	K-288-8RR	60.5	1.4	31	56.4	3350	35.4	17.6	339	9	26
MIDLAND	9G281RR	59.7	1.7	36	56.3	3110	35.3	18.0	337	9	27
KRUGER	K-333RR	58.2	1.6	33	55.7	3250	35.5	17.6	325	10	2
SANDS	SOI 2792RR	57.9	1.7	37	56.0	3100	35.6	17.8	327	9	28
AGRIPRO/GARST	2603RR	56.0	1.3	31	55.4	3010	35.3	17.8	315	9	24
Average all entries		59.3	1.6	34	56.1	3177	35.3	17.8	333	9	27
Difference req. for sig. 5%		NS	NS	3	NS	NS	NS	NS	NS		2

East Central Early Roundup Ready Soybean Variety Test

Saunders, Clay and Furnas Counties - 2002



Brand	Variety	YIELD				BUSHEL	PLANT	PLANT	GRAIN	GRAIN	GRAIN	EPVA	MATURITY
		AVERAGE	SAUNDERS	CLAY	FURNAS	WEIGHT	LODGING	HEIGHT	SEED	PROTEIN	OIL		
		BU/A	BU/A	BU/A	BU/A	LB/BU	RATING	INCHES	/LB	PCT	PCT	\$/A	MO DAY
LATHAM	1067RR	60.0	35.2	74.3	70.6	55.0	1.9	32	3020	36.3	18.4	348.40	9 25
NC+	2A81RR ##	54.3	28.7	68.8	65.3	54.8	1.3	28	3070	37.0	18.1	317.66	9 27
NC+	2A97RR ##	54.8	30.8	74.7	58.8	54.5	2.3	36	2920	36.8	18.8	323.32	9 26
STINE	3183-4	59.1	36.2	71.8	69.4	54.7	1.9	32	2800	36.0	18.3	340.42	9 26
STINE	3300-4	59.6	36.9	74.4	67.6	55.2	2.0	31	2970	37.4	18.1	351.44	9 28
DYNA-GRO	3323 RR	58.7	33.4	71.8	70.8	55.1	1.7	30	2790	37.7	17.9	346.53	9 29
DYNA-GRO	3343 RR	56.8	35.0	74.1	61.2	55.4	2.0	32	2920	37.5	18.2	336.07	9 27
NUPRIDE	8262RR	55.6	31.2	74.1	61.6	54.7	2.0	32	2880	36.5	18.4	324.15	9 22
NUPRIDE	8283RR	55.0	33.6	70.9	60.4	55.9	2.3	34	2660	37.6	17.6	322.85	9 27
LATHAM	917RR	54.5	28.5	72.4	62.5	55.2	1.8	32	2840	35.9	17.9	310.83	9 28
PIONEER	92B84 ##	54.1	26.4	72.9	63.0	55.6	1.9	32	2890	37.2	18.8	321.17	9 20
LATHAM	967RR	53.5	30.8	71.8	57.8	55.1	3.1	34	2710	36.5	18.7	312.62	9 25
ASGROW	AG3003 ##	59.4	36.4	75.2	66.6	54.6	2.0	33	2860	37.4	17.8	348.48	9 30
CROW'S	C2842R	56.2	30.8	71.3	66.5	54.8	1.1	29	2880	36.8	17.9	326.90	9 27
LG SEEDS	C2883RR	53.4	31.8	71.2	57.2	55.1	1.2	29	2870	36.7	18.2	310.97	9 27
M/W GENETICS	GR2746	54.9	29.7	73.7	61.3	54.4	2.5	34	2770	36.2	18.8	319.88	9 25
KRUGER	K-268RR	56.0	28.6	73.9	65.6	53.9	1.6	29	2890	35.4	19.1	323.12	9 26
KRUGER	K-269RR	54.6	20.4	75.0	68.4	51.7	1.7	28	2850	37.1	18.0	319.23	9 25
KRUGER	K-282+RR	57.2	33.4	77.8	60.4	54.9	1.9	30	2670	36.8	18.6	336.15	9 25
KRUGER	K-282-2RR	55.9	30.2	71.6	66.0	55.5	1.2	30	2760	36.5	18.2	324.97	9 27
KRUGER	K-283RR	54.5	27.8	73.8	61.9	54.8	2.5	34	2760	36.0	18.9	316.83	9 25
KRUGER	K-287RR	58.6	32.8	75.4	67.5	55.1	1.6	31	2790	37.5	18.4	347.69	9 22
KRUGER	K-292RR	57.1	31.0	73.2	67.2	55.2	1.6	29	3040	36.9	18.2	333.65	9 25
KRUGER	K-299RR	49.1	31.5	69.2	46.7	55.4	2.4	30	2810	37.1	18.2	288.05	9 21
KRUGER	K-311+RR	56.5	34.2	71.8	63.6	54.6	2.5	33	2830	35.8	19.0	327.32	9 29
KRUGER	K-323+RR	56.8	33.3	70.6	66.4	55.0	1.7	32	2620	36.3	18.4	330.01	9 26
KRUGER	K-323RR	59.4	35.4	72.0	70.9	55.0	1.7	33	2840	36.4	18.2	343.93	9 26
KRUGER	K-333RR	57.0	34.4	72.1	64.6	55.5	1.8	31	2620	37.2	18.7	338.01	9 29
PRAIRIE BRAND	PB-2552RR	54.9	21.0	74.6	69.1	52.6	1.9	29	2970	36.7	18.1	319.33	9 24
PRAIRIE BRAND	PB-2572RR	53.0	26.4	74.5	58.1	54.3	2.0	31	2530	36.3	18.3	306.52	9 23
PRAIRIE BRAND	PB-2821RR	53.9	29.3	76.1	56.3	55.0	2.6	37	2780	36.2	18.8	314.06	9 24
PRAIRIE BRAND	PB-2832RR	59.3	34.6	74.7	68.7	54.7	1.8	29	2750	36.8	18.6	348.09	9 25
RENZE	R2803R	55.0	29.5	73.7	61.8	54.2	2.4	34	2780	35.8	18.9	318.27	9 24

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East Central Early Roundup Ready Soybean Variety Test Page 2

Saunders, Clay and Furnas Counties - 2002



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Brand	Variety	YIELD				BUSHEL	PLANT	PLANT	GRAIN	GRAIN	GRAIN	EPVA MATURITY		
		AVERAGE	SAUNDERS	CLAY	FURNAS	WEIGHT	LODGING	HEIGHT	SEED	PROTEIN	OIL			
		BU/A	BU/A	BU/A	BU/A	LB/BU	RATING	INCHES	/LB	PCT	PCT	\$/A	MO	DAY
RENZE	R2822R	54.4	31.1	70.2	61.8	55.1	1.4	30	2920	36.6	18.1	316.43	9	27
RENZE	R2991Rcn	54.5	30.4	69.7	63.4	55.1	1.9	31	2900	37.9	17.9	323.19	9	29
CROPLAN	RT2735 ##	54.0	28.6	70.2	63.2	55.3	2.0	34	2720	37.7	18.1	320.40	9	25
SANDS	SOI 271RR	56.7	32.3	69.8	68.0	54.7	1.7	31	2620	36.4	18.3	329.05	9	21
SANDS	SOI 2792RR	55.1	30.3	72.7	62.2	54.4	2.5	38	3090	36.9	18.8	325.64	9	27
SANDS	SOI 2848RR	49.4	31.2	69.0	48.0	55.2	2.3	32	3080	36.8	18.5	289.48	9	21
SANDS	SOI 2872RR	56.4	28.0	73.3	68.0	54.9	2.4	34	2680	36.1	18.6	327.31	9	24
SANDS	SOI 2900NRR	54.9	31.9	65.3	67.5	54.7	1.8	30	3020	37.9	18.1	326.29	9	27
TRIUMPH	TRX2J280RR	54.7	30.7	75.1	58.3	54.9	2.6	35	2660	36.2	18.6	317.81	9	24
U.S. SEEDS	US S2403RR	53.0	29.2	66.2	63.5	54.5	1.4	28	2740	35.1	19.2	304.04	9	28
U.S. SEEDS	US S2503RR	53.9	21.9	73.0	66.8	53.6	2.0	30	2730	36.7	18.1	313.52	9	25
U.S. SEEDS	US S2703RR	53.2	28.9	71.6	59.2	54.9	2.4	33	2850	36.2	18.6	308.74	9	25
Average all entries		55.5	31.0	72.4	63.4	54.7	1.9	32	2825	36.7	18.4	328.21	9	25
Difference req. for sig. 5%		NS	3.7	3.9	8.3	NS	0.6	3	268	1.3	0.5	NS		NS

East Central Early Roundup Ready Soybean Variety Tests 2000 - 2002



BRAND	VARIETY	GRAIN	PLANT	PLANT	BUSHEL	GRAIN	GRAIN	GRAIN	EPVA	MATURITY	
		YIELD	LOGGING	HEIGHT	WEIGHT	SEED	PROTEIN	OIL		\$/A	MO
		BU/A	RATING	INCHES	LB/BU	/LB	PCT	PCT			
2 Year Average											
LATHAM	1067RR	64.5	1.7	35	56.2	2950	34.2	17.9	354	9	28
KRUGER	K-323RR	64.5	1.5	36	56.2	2980	33.8	17.8	350	9	28
STINE	3183-4	63.5	1.7	35	56.1	2970	33.6	17.9	344	9	28
ASGROW	AG3003 ##	63.2	1.7	36	55.9	2940	34.9	17.3	348	10	1
KRUGER	K-323+RR	62.4	1.5	36	56.1	2940	34.1	17.9	341	9	28
KRUGER	K-282-2RR	61.6	1.1	33	56.4	2950	34.3	17.7	337	9	28
LATHAM	917RR	60.3	1.6	34	56.5	3060	33.8	17.4	324	9	29
SANDS	SOI 2792RR	59.0	2.0	39	55.4	2630	35.0	18.1	331	9	29
PRAIRIE BRAND	PB-2821RR	58.8	2.4	38	55.9	2800	33.9	18.1	321	9	27
Average all entries		62.0	1.7	36	56.1	2913	34.2	17.8	339	9	25
Difference req. for sig. 5%		2.2	0.3	2	0.5	168	0.6	0.3	12		NS
3 Year Average											
KRUGER	K-323RR	59.5	1.7	36	55.3	3230	34.3	18.1	327	9	24
KRUGER	K-323+RR	59.1	1.7	35	55.0	3140	34.6	17.9	327	9	24
KRUGER	K-282-2RR	58.3	1.4	34	55.8	3330	34.4	17.7	320	9	24
Average all entries		59.0	1.6	35	55.4	3233	34.4	17.9	325	9	24
Difference req. for sig. 5%		NS	NS	NS	NS	NS	NS	NS	NS		NS

East Central Late Roundup Ready Soybean Variety Test

Saunders, Clay and Furnas Counties - 2002

Brand	Variety	YIELD				BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN		EPVA \$/A	GRAIN	
		AVERAGE BU/A	SAUNDERS BU/A	CLAY BU/A	FURNAS BU/A					PROTEIN PCT	OIL PCT		MO	DAY
SANDS	SOI 3632NRR	62.9	39.9	75.3	73.5	54.4	1.9	30	2610	36.5	18.1	364.82	10	2
DYNA-GRO	3362 NRR	60.8	37.6	76.1	68.8	53.8	1.8	31	2640	36.1	18.3	350.21	10	1
PRAIRIE BRAND	PB-3621RR	60.8	39.5	72.4	70.6	54.3	1.7	30	2590	36.3	18.3	352.23	10	1
KRUGER	K-377RR/SCN	60.3	39.1	73.8	67.9	54.1	1.8	31	2660	36.7	18.3	351.35	10	1
MIDLAND	9A312RR	60.2	37.2	70.0	73.4	54.7	1.7	31	2800	36.2	18.5	348.56	9	28
MIDLAND	9A352NRR	60.0	37.0	74.7	68.2	54.3	1.8	31	2760	36.4	18.4	349.00	10	2
M/W GENETICS	GR3101	59.5	35.1	72.6	70.7	54.5	1.4	31	2790	36.8	14.2	322.09	9	28
MIDLAND	9B340RR	59.2	35.5	72.9	69.1	54.3	2.2	32	2870	36.5	18.2	343.95	9	28
U.S. SEEDS	US S3201RR	59.0	34.2	70.9	72.0	54.2	1.6	31	2800	37.7	17.7	349.28	9	29
ASGROW	AG3302 ##	59.0	33.5	76.4	67.1	54.7	2.0	36	2520	37.4	17.8	345.74	9	30
RENZE	R3111R	58.9	35.6	67.4	73.6	54.7	1.8	32	2760	36.3	18.3	341.03	9	27
STINE	3632-4	58.8	39.3	71.1	66.0	54.0	1.9	30	2720	36.4	18.2	341.04	10	1
NC+	3A11RR ##	58.6	34.0	70.8	70.9	54.9	1.7	32	2810	36.1	18.3	337.93	9	28
PRAIRIE BRAND	PB-3230RR	58.4	35.9	68.8	70.4	54.5	1.9	32	2770	36.1	18.4	337.16	9	28
CROW'S	C3115R	58.2	33.4	71.7	69.5	54.6	1.6	31	2810	36.9	17.7	337.37	9	27
KRUGER	K-353RR	58.2	34.8	71.8	68.1	54.9	1.7	32	3020	36.9	18.2	340.28	9	29
U.S. SEEDS	US S3003RR	58.0	33.8	69.3	70.8	54.5	1.6	32	2830	36.2	18.3	335.05	9	28
PRAIRIE BRAND	PB-3432RR	57.8	34.3	70.3	68.7	54.8	2.0	31	2860	37.3	18.0	338.32	9	29
KRUGER	K-325RR	57.7	32.7	72.2	68.1	54.4	2.3	34	2630	36.3	18.5	335.43	10	1
KRUGER	K-344RR/SCN	57.6	35.4	74.6	62.8	55.7	2.1	36	2610	37.1	17.4	334.46	9	29
KRUGER	K-373+RR	57.6	37.9	71.3	63.7	55.2	1.7	35	2610	37.7	17.4	337.54	10	1
PRAIRIE BRAND	PB-3452RR	57.5	39.7	68.3	64.5	55.7	2.3	34	2910	36.7	17.9	334.07	9	30
CROPLAN	RT3176 ##	57.1	31.4	69.0	70.8	54.8	1.4	32	2790	36.5	18.3	331.56	9	29
LG SEEDS	C3429RR	57.0	33.6	73.1	64.4	55.1	1.7	34	2550	37.7	17.2	333.45	10	2
KRUGER	K-349RR	57.0	34.8	68.7	67.4	54.3	1.6	31	2450	37.2	18.6	338.39	9	27
KRUGER	K-399+RR	56.9	38.0	71.9	60.7	54.4	2.5	33	2860	34.9	18.1	319.97	10	2
LATHAM	EX-1108RR	56.8	35.3	70.5	64.5	55.2	2.2	32	2780	36.7	18.8	333.98	9	30
ASGROW	AG3303 ##	56.8	33.9	69.6	66.9	55.1	1.5	35	2840	37.7	17.9	336.26	9	28
SANDS	SOI 3140RR	56.8	33.2	70.7	66.6	54.9	1.8	31	2810	36.3	18.3	328.87	9	28
KRUGER	K-389RR/SCN	56.7	35.7	69.2	65.1	55.0	2.4	33	2920	37.6	17.6	333.40	10	2
PRAIRIE BRAND	PB-3252RR	56.7	33.4	69.0	67.8	54.5	1.9	32	2700	36.8	18.9	333.96	9	29

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East Central Late Roundup Ready Soybean Variety Test Page 2

Saunders, Clay and Furnas Counties - 2002



Brand	Variety	YIELD				BUSHEL	PLANT	PLANT	GRAIN	GRAIN		EPVA	GRAIN	
		AVERAGE	SAUNDERS	CLAY	FURNAS	WEIGHT	LODGING	HEIGHT	SEED	PROTEIN	OIL		MATURITY	
		BU/A	BU/A	BU/A	BU/A	LB/BU	RATING	INCHES	/LB	PCT	PCT		\$/A MO DAY	
AGRIPRO/GARST	3135RR	56.5	34.6	67.9	67.1	54.6	2.0	31	2910	36.2	18.3	326.57	9	27
PIONEER	93B09 ##	56.4	29.5	75.3	64.4	53.8	1.8	31	2530	36.6	19.0	332.95	10	1
KRUGER	K-359RR	56.2	35.4	72.3	61.0	54.8	2.3	34	2900	36.6	17.9	325.21	9	30
RENZE	R3102R	55.3	29.5	73.7	62.7	55.0	1.5	30	2770	36.0	17.9	315.95	10	4
KRUGER	K-343RR	55.2	32.7	69.1	63.7	54.5	2.1	33	2720	37.0	18.8	326.60	10	1
DYNA-GRO	3373 NRR	53.9	38.5	63.3	59.8	54.8	2.0	37	3180	38.0	17.6	318.91	10	1
NUPRIDE	8341RR	53.4	35.3	65.7	59.2	55.5	2.5	36	3210	37.6	17.5	312.75	9	28
KRUGER	K-366RR/SCN	51.5	35.1	58.8	60.6	54.7	2.0	32	2930	37.1	17.8	301.62	9	28
Average all entries		57.7	35.3	70.8	66.9	54.6	1.9	32	2775	36.7	18.0	338.23	9	29
Difference req. for sig. 5%		NS	4.7	5.1	7.0	0.5	NS	2	327	1.3	NS	NS		NS

East Central Late Roundup Ready Soybean Variety Tests 2000 - 2002



BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LOGGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A	MATURITY MO	MATURITY DAY
2 Year Average											
STINE	3632-4	64.7	1.7	33	55.8	2750	33.9	17.8	351	10	3
U.S. SEEDS	US S3201RR	63.6	1.5	34	56.1	2910	35.1	17.3	352	9	30
MIDLAND	9B340RR	63.1	1.9	33	56.1	2930	34.0	17.7	344	10	1
MIDLAND	9A312RR	62.8	1.5	35	56.5	2930	33.9	17.9	342	9	29
KRUGER	K-373+RR	62.2	1.6	37	56.8	2670	35.2	16.8	341	10	2
PRAIRIE BRAND	PB-3230RR	62.2	1.7	35	56.4	2930	33.6	18.0	337	9	30
CROW'S	C3115R	62.0	1.5	33	56.4	2890	34.5	17.3	338	9	29
KRUGER	K-349RR	61.0	1.6	35	56.3	2590	34.5	18.3	339	9	29
Average all entries		62.7	1.6	34	56.3	2825	34.3	17.6	343	9	30
Difference req. for sig. 5%		NS	0.2	2	0.3	133	0.3	0.2	NS		1
3 Year Average											
U.S. SEEDS	US S3201RR	58.4	1.4	40	55.2	3210	35.4	17.6	327	9	26
MIDLAND	9B340RR	57.0	1.9	34	55.2	3300	34.5	17.8	314	9	27
KRUGER	K-349RR	56.4	1.6	35	55.4	3000	34.9	18.1	315	9	26
Average all entries		57.3	1.6	36	55.3	3170	34.9	17.8	319	9	26
Difference req. for sig. 5%		NS	0.3	NS	NS	NS	0.3	NS	NS		NS

Washington Co Soybean Cyst Nematode Variety Test 2002



BRAND	VARIETY	GRAIN YIELD BU/A	BUSHEL WEIGHT LB/BU	GRAIN PROTEIN PCT	GRAIN OIL PCT	PROCESSED VALUE \$/BU	PLANT HEIGHT INCHES	SEEDS /LB
LATHAM	EX-957RRN	48.5	56.0	35.4	17.1	5.57	33.4	3389
DYNA-GRO	3292 RR	47.1	55.7	35.2	17.1	5.52	34.1	3369
AGRIPRO/GARST	3212RR/N	46.7	56.0	34.1	17.3	5.45	37.9	3199
RENZE	R2991Rcn	45.8	55.5	35.2	17.1	5.56	33.2	3379
SANDS	SOI 2642NRR	45.6	54.4	35.1	17.9	5.59	39.6	3078
LATHAM	EX-878RRN	45.5	54.8	36.8	16.5	5.66	33.3	3040
AGRIPRO/GARST	3013RR/N	45.5	56.4	34.7	17.3	5.51	35.1	3472
LATHAM	EX-1138RR	45.3	56.3	34.3	17.0	5.44	38.8	3149
RENZE	R2783Rcn	45.3	55.4	36.2	16.8	5.65	34.2	3201
SANDS	SOI 2606NRR	44.7	55.7	34.5	17.6	5.52	32.8	3665
RENZE	R3383Rcn	43.6	56.4	33.9	17.4	5.42	39.8	3077
AGRIPRO/GARST	3112RR/N	43.5	55.1	34.2	17.6	5.49	37.0	3060
AGRIPRO/GARST	XR28N77	43.3	53.6	36.6	16.9	5.68	32.5	3250
ASGROW	AG3003 ##	43.0	55.2	35.7	17.0	5.58	37.7	3280
RENZE	R2693Rcn	42.9	55.2	35.3	17.6	5.62	33.3	3068
DYNA-GRO	X429 NRR	42.6	54.1	36.4	17.0	5.67	33.8	3224
RENZE	R2483Rcn	41.2	55.1	34.6	17.8	5.55	31.2	3337
DYNA-GRO	3362 NRR	37.9	52.6	34.3	17.2	5.47	32.7	3089
Asgrow	AG3303 ##	35.9	54.0	36.7	16.4	5.65	33.9	3080
Average all entries		43.9	55.1	35.2	17.2	5.56	35.0	3232
Difference req. for sig. 5%		3.6	1.4	0.8	0.4	0.06	2.1	250

Nemaha Co Early Maturing RR Soybean Variety Test 2002



BRAND	VARIETY	GRAIN	GRAIN	GRAIN	EPVA	PLANT	SEEDS	MATURITY	
		YIELD	PROTEIN	OIL		HEIGHT		MO	DAY
		BU/A	PCT	PCT	\$/A	INCHES	/LB		
WILLCROSS	RR2323N	23.4	36.8	16.1	131.74	18	2970	9	27
KRUGER	K-344RR/SCN	22.9	36.7	16.3	129.16	19	2687	9	27
STINE	3300-4	22.0	36.9	16.5	125.18	17	3479	9	27
RENZE	R3383Rcn	21.9	36.9	16.1	123.52	18	2731	9	27
PRAIRIE BRAND	PB-3452RR	21.8	35.2	17.0	120.77	20	3411	9	25
LG SEEDS	C3429RR	21.2	37.0	16.0	119.78	17	2689	9	27
BIO GENE	BG342RR	21.0	35.8	16.7	117.18	17	3156	9	28
AGRIPRO/GARST	3135RR	20.6	35.0	17.3	114.12	18	3132	9	26
NUPRIDE	8323RR	20.5	35.7	17.2	115.01	17	3270	9	25
WILLCROSS	RR2333	20.3	35.8	16.8	113.27	17	2938	9	30
U.S. SEEDS	US S3201RR	20.3	37.1	16.1	115.10	15	3086	9	29
KRUGER	K-333RR	20.3	36.8	16.7	115.51	18	2854	9	28
STINE	3200-4	20.2	36.4	17.1	114.74	15	3049	9	28
KRUGER	K-349RR	19.6	36.2	17.8	112.31	15	2988	9	25
WILLCROSS	RR2312	19.5	35.2	17.2	108.23	17	3041	9	23
ASGROW	AG3003 ##	19.0	35.5	17.3	106.40	15	2947	9	28
U.S. SEEDS	US S3003RR	19.0	35.0	17.3	105.26	16	3066	9	24
RENZE	R3111R	18.8	35.4	17.1	104.90	18	3007	9	25
KRUGER	K-343RR	18.8	37.3	16.8	108.29	17	3121	9	28
KRUGER	K-323RR	18.7	35.1	17.3	103.79	16	3082	9	25
KRUGER	K-353RR	18.6	36.1	17.0	104.90	16	3187	9	28
SANDS	SOI 3140RR	18.4	35.6	17.2	102.86	17	3056	9	26
KRUGER	K-292RR	18.3	36.0	16.9	102.85	14	2953	9	24
KRUGER	K-299RR	17.9	36.0	16.9	100.78	15	3395	9	24
PRAIRIE BRAND	PB-3230RR	17.8	35.0	17.2	98.61	15	3174	9	26
RENZE	R3102R	17.7	35.7	16.8	98.59	14	2528	9	29
NUPRIDE	8303RR	17.7	35.8	16.8	98.94	13	2942	9	21
KRUGER	K-311+RR	17.4	36.0	16.6	97.27	15	3025	9	27
PIONEER	93B09 ##	17.1	35.7	17.5	96.62	15	2702	9	28
Average all entries		19.7	36.0	16.9	110.51	16	3029	9	26
Difference req. for sig. 5%		3.2	0.8	0.6	13.88	2	340		3

Southeast Early Roundup Ready Soybean Variety Tests 2000 - 2002



BRAND	VARIETY	GRAIN	PLANT	PLANT	BUSHEL	GRAIN	GRAIN	GRAIN	EPVA	MATURITY	
		YIELD	LODGING	HEIGHT	WEIGHT	SEED	PROTEIN	OIL		MO	DAY
		BU/A	RATING	INCHES	LB/BU	/LB	PCT	PCT	\$/A		
2 Year Average											
U.S. SEEDS	US S3201RR	44.6	1.4	24	54.3	3250	34.5	16.6	235	9	29
WILLCROSS	RR2312	42.0	1.4	26	53.4	3260	32.9	17.3	217	9	26
KRUGER	K-323RR	41.0	1.5	26	52.6	3270	32.9	17.3	212	9	27
KRUGER	K-349RR	39.9	1.3	23	53.7	3000	33.9	17.8	213	9	28
Average all entries		41.9	1.4	25	53.5	3195	33.6	17.3	219	9	28
Difference req. for sig. 5%		NS	NS	NS	NS	NS	0.4	NS	NS		NS
3 Year Average											
U.S. SEEDS	US S3201RR	48.0	1.5	28	54.0	3390	35.5	17.0	264	9	25
KRUGER	K-323RR	46.2	1.6	30	52.8	3400	33.9	17.8	250	9	23
KRUGER	K-349RR	44.8	1.3	28	53.4	3200	34.8	18.1	249	9	24
Average all entries		46.3	1.5	29	53.4	3330	34.7	17.6	254	9	24
Difference req. for sig. 5%		NS	NS	NS	NS	NS	0.3	0.5	NS		NS

Central Irrigated Soybean Variety Test Merrick and Dawson Counties - 2002



Brand	Variety	YIELD			BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A
		AVERAGE BU/A	MERRICK BU/A	DAWSON BU/A							
DYNA-GRO	3362 NRR	74.7	83.7	65.7	51.5	1.6	38	2760	37.3	18.5	442.22
AGRIPRO/GARST	3135RR	74.7	77.2	72.2	52.2	1.6	38	2980	35.9	18.6	431.77
STINE	3183-4	74.3	73.9	74.6	52.3	1.7	38	2940	36.2	18.7	432.43
RENZE	R2803R	74.0	81.5	66.4	52.3	1.7	39	2740	36.3	19.3	435.12
NC+	2A97RR ##	73.5	79.6	67.3	51.2	1.8	48	2590	37.9	18.7	441.00
NC+	3A11RR ##	73.0	75.9	70.0	52.2	1.3	38	2970	36.2	18.6	424.86
ASGROW	AG3003 ##	73.0	74.7	71.3	52.1	1.8	39	2980	38.0	17.8	433.99
Novartis	S29-C9 ##	72.8	76.8	68.8	52.2	2.0	42	2720	35.8	18.7	418.60
NUPRIDE	8314RR	72.3	78.1	66.5	51.5	1.3	37	2700	38.2	18.3	434.88
U.S. SEEDS	US S3201RR	72.2	75.0	69.3	51.7	1.4	35	2900	37.4	18.3	427.79
U.S. SEEDS	US S2703RR	72.2	82.6	61.7	52.1	2.3	39	2630	36.2	19.3	425.26
AGRIPRO/GARST	3083RR ##	71.9	77.1	66.6	52.8	1.7	38	3030	37.1	18.1	421.33
DYNA-GRO	3373 NRR	71.8	73.4	70.1	53.9	1.5	43	3080	38.9	18.1	434.39
LATHAM	917RR	71.7	77.6	65.7	52.3	1.8	38	2870	36.4	18.3	415.50
AGRIPRO/GARST	2802RR ##	70.8	73.9	67.7	51.7	1.3	34	2800	36.0	19.3	413.83
PIONEER	93B09 ##	70.8	73.6	67.9	50.9	1.1	34	2470	36.8	19.6	421.26
RENZE	R3111R	70.7	72.2	69.2	52.7	1.7	38	2810	37.1	18.5	416.42
STINE	3632-4	70.5	76.7	64.3	52.2	1.8	37	2700	36.8	18.9	415.95
AGRIPRO/GARST	2603RR	69.8	73.8	65.8	52.0	1.2	37	2600	37.4	18.6	414.61
LG SEEDS	C2883RR	69.1	76.5	61.7	52.0	1.0	35	2880	37.5	18.5	410.45
RENZE	R3102R	68.6	76.2	60.9	53.3	1.2	33	2660	36.0	18.9	398.91
CROW'S	C2915R	68.5	73.5	63.5	51.5	1.4	35	3010	36.7	18.4	400.72
ASGROW	AG2703 ##	67.5	69.1	65.8	51.2	1.2	37	2810	36.5	18.5	392.85
LG SEEDS	C2982NRR	66.9	69.7	64.1	51.7	1.4	35	2980	36.8	18.6	393.71
RENZE	R2822R	66.6	76.0	57.1	52.7	1.1	34	2820	37.1	18.2	390.61
DYNA-GRO	3343 RR	66.6	74.4	58.8	53.3	1.8	37	2890	37.7	18.3	396.27
Average all entries		71.1	75.9	66.3	52.1	1.5	37	2818	36.9	18.6	419.07
Difference req. for sig. 5%		NS	6.0	5.6	NS	0.4	5	220	1.6	0.8	NS

West Irrigated Soybean Variety Test Brown and Perkins Counties - 2002



Brand	Variety	YIELD			BUSHEL WEIGHT LB/BU	PLANT LODGING RATING	PLANT HEIGHT INCHES	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A
		AVERAGE BU/A	BROWN BU/A	PERKINS BU/A							
HELENA	2133	71.5	71.7	67.7	53.1	1.0	35	2600	38.7	17.9	430.79
HELENA	2563	64.3	65.5	60.4	54.5	1.8	41	2790	39.3	16.9	387.09
AGRIPRO/GARST	2603RR	69.5	69.8	66.4	53.6	1.5	41	2620	38.8	17.8	420.47
DYNA-GRO	3270 RR	63.4	60.6	62.1	52.3	2.3	47	2840	38.9	18.1	384.52
DYNA-GRO	3287 RR	72.2	61.0	73.7	53.3	1.1	35	2900	38.9	17.6	433.92
DYNA-GRO	3323 RR	63.6	51.5	71.6	52.2	1.9	37	2900	39.4	17.4	386.37
MYCOGEN	5251RR ##	71.3	68.3	69.0	53.8	1.5	39	2690	39.2	17.4	431.72
NUPRIDE	8213RR	66.9	65.3	66.8	53.9	1.5	38	2690	38.9	17.6	403.41
NUPRIDE	8262RR	66.3	58.8	63.5	53.9	1.8	40	3160	38.4	17.4	393.82
Asgrow	AG2602 ##	68.0	67.3	64.8	54.1	1.7	39	3020	38.5	18.1	409.36
ASGROW	AG2703 ##	68.7	65.5	67.5	53.6	1.7	43	2980	38.9	17.2	411.51
LG SEEDS	C2434RR	73.8	72.0	72.9	53.7	1.6	37	2630	39.1	17.6	445.75
HELENA	HS2611 ##	67.6	66.0	64.6	53.6	1.5	43	2840	38.8	17.6	406.28
U.S. SEEDS	US S2703RR	74.4	67.0	74.9	52.6	2.2	42	2710	38.2	18.3	447.89
U.S. SEEDS	US S3201RR	62.8	51.8	69.7	52.6	1.8	38	3000	39.1	17.7	380.57
DYNA-GRO	X430 RR	71.4	69.3	71.1	54.0	1.6	39	2590	39.8	17.6	438.04
Average all entries		66.9	66.3	68.0	53.5	1.6	39	2772	38.9	17.6	416.27
Difference req. for sig. 5%		NS	5.7	7.3	NS	0.4	3	257	0.9	0.8	NS



Central Irrigated Soybean Variety Tests 2001 - 2002

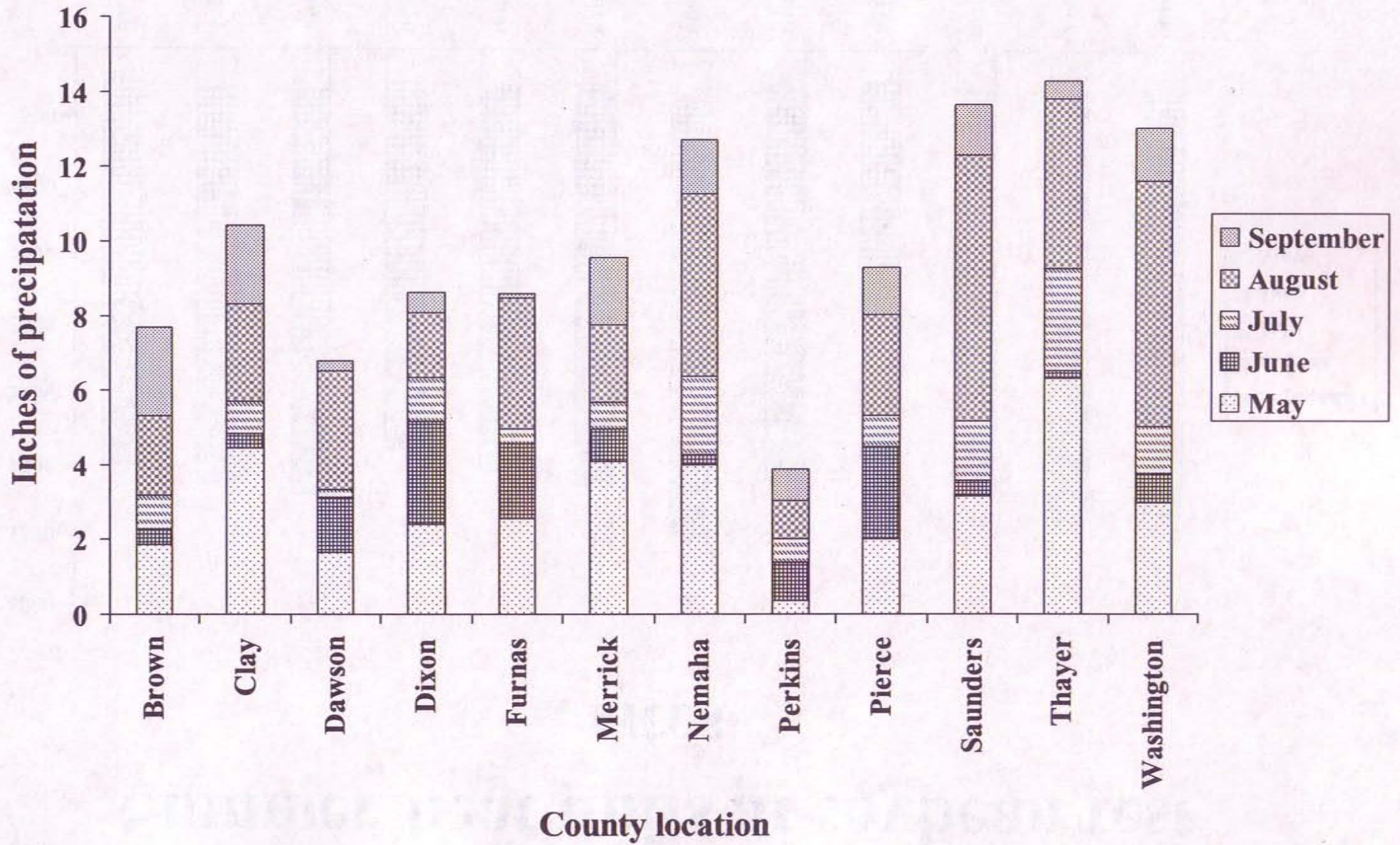
BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A
2 Year Average									
U.S. SEEDS	US S3201RR	73.1	1.3	37	54.1	3010	34.5	17.7	404
STINE	3632-4	72.9	1.5	37	52.6	2830	34.1	17.9	399
ASGROW	AG3003 ##	72.2	1.4	39	53.9	3050	34.9	17.2	400
CROW'S	C2915R	71.5	1.2	37	54.7	3090	34.3	17.8	392
Novartis	S29-C9 ##	70.7	1.7	42	53.8	2850	33.3	18.0	383
AGRIPRO/GARST	2603RR	68.1	1.1	38	54.3	2620	34.8	17.9	380
Average all entries		71.4	1.4	38	53.9	2908	34.3	17.8	393
Difference req. for sig. 5%		NS	0.3	2	NS	117	0.6	NS	NS



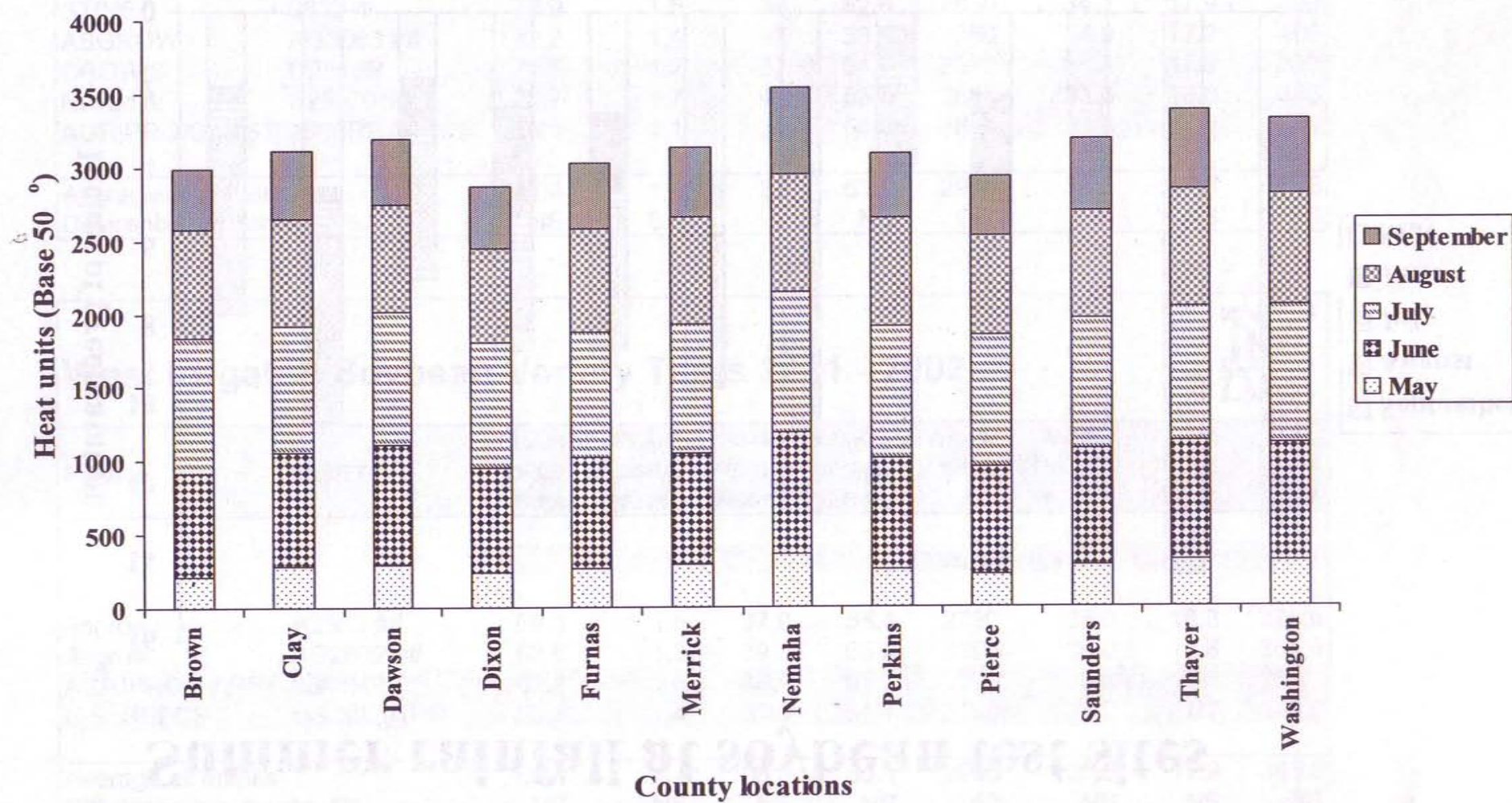
West Irrigated Soybean Variety Tests 2001 - 2002

BRAND	VARIETY	GRAIN YIELD BU/A	PLANT LODGING RATING	PLANT HEIGHT INCHES	BUSHEL WEIGHT LB/BU	GRAIN SEED /LB	GRAIN PROTEIN PCT	GRAIN OIL PCT	EPVA \$/A
2 Year Average									
Asgrow	A2553 ##	69.6	1.5	37.0	55.4	2780	35.0	18.3	395.0
Asgrow	AG2602 ##	62.6	1.3	39.0	55.3	3190	36.0	17.8	364.0
AGRIPRO/GARST	2603RR	62.4	1.3	40.0	55.7	2790	35.8	17.8	362.0
U.S. SEEDS	US S3201RR	59.1	1.4	37.0	54.1	3180	35.7	17.7	342.0
Average all entries		63.4	1.4	38.3	55.1	2985	35.6	17.9	365.8
Difference req. for sig. 5%		NS	NS	NS	NS	62	NS	NS	NS

Summer rainfall at soybean test sites



Summer heat units at soybean test sites



Agricultural Research Division
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