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# NEBRASKA SOYBEAN VARIETY TESTS 1991

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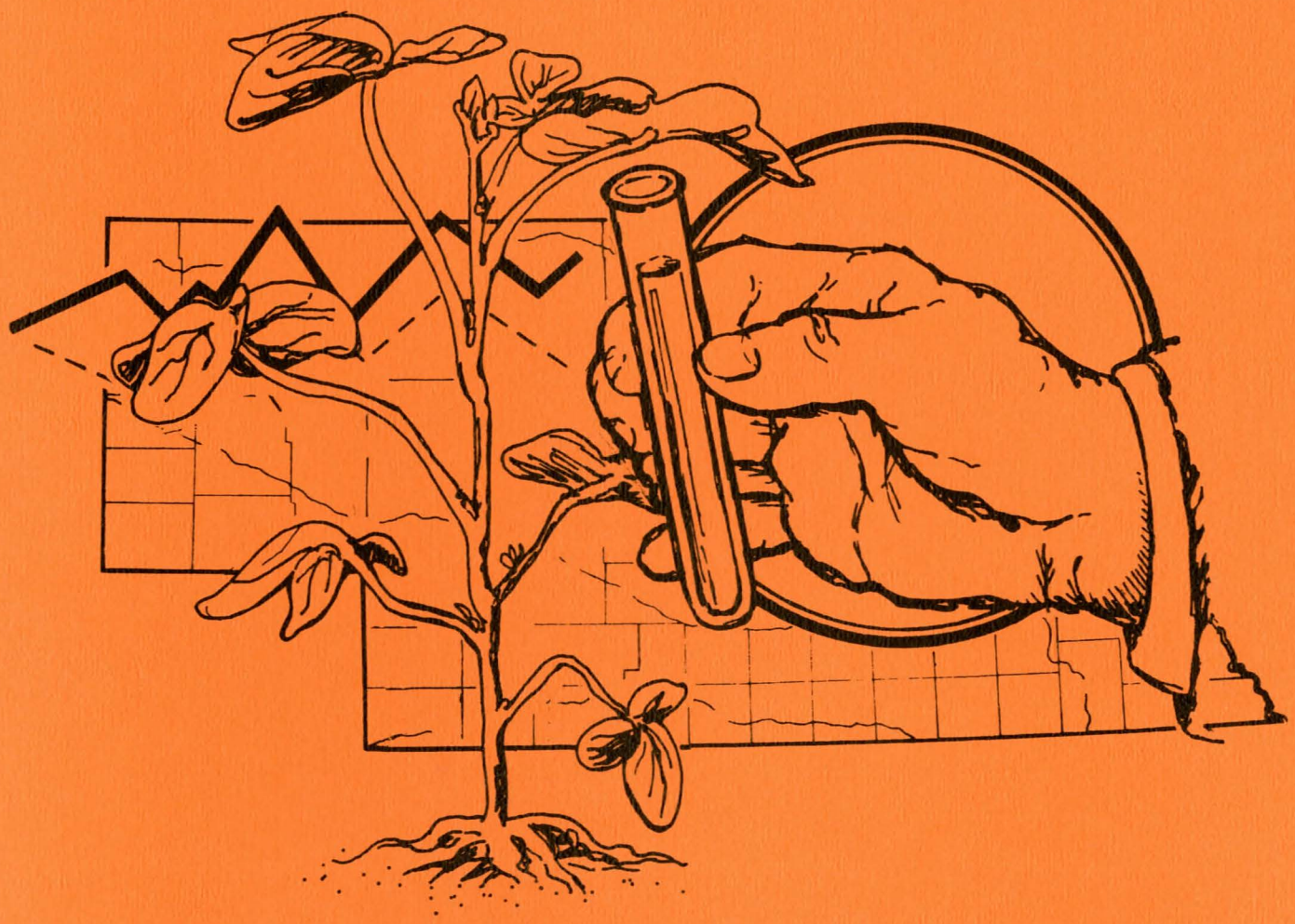

**University of Nebraska-Lincoln**
**Institute of Agriculture and Natural Resources**
**Agricultural Research Division**
**Cooperative Extension**

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Kenneth R. Bolen, Director of Cooperative Extension, University of Nebraska, Institute of Agriculture and Natural Resources.

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EXTENSION CIRCULAR 91-104

# NEBRASKA SOYBEAN VARIETY TESTS

January 1992

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## ACKNOWLEDGMENTS


This circular is a progress report of soybean variety trials conducted by personnel of the Agronomy Department and the Northeast, South Central and West Central Research and Extension Centers. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service.

Tests were supported in part by fees collected from entrants. A grant from the Nebraska Soybean Development Utilization and Marketing Board enabled the purchase of planting and harvesting equipment needed for conduct of East Central, Southeast, and South Central trials. Soybean check-off grants also support variety trials conducted by the Soybean Breeding Project and sprinkler irrigation experiments established by the West Central Research and Extension Center. Acknowledgment is made to farmers who furnished land for experiments; also to extension agents and other I.A.N.R. personnel who assisted with the tests.


Beginning in 1991, zones were redrawn to better reflect maturity zones. All zones have at least two testing sites which are averaged in the tables for that zone. Because of this change, some period of years averages will not reflect all entries in that zone. The reason is the varieties entered in two tests were different in previous years.


The authors wish to recognize the contributions of the technical staff, Patrick Tenopir, Tom O'Hare, John Eis, Ray Brentlinger, George Hoffmeister, and Don Thrailkill, Robert Hendrickson. We also wish to acknowledge the assistance of the Nebraska Agricultural Statistics Service and the State Climate Program of the University of Nebraska.


## 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)

# 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) |
| 1956 | 146 ( 59) | 11.5 ( 773) | 1,679 ( 46) |
| 1957 | 142 ( 58) | 26.0 (1749) | 3,692 ( 101) |
| 1958 | 206 ( 83) | 29.0 (1951) | 5,974 ( 163) |
| 1959 | 146 ( 59) | 24.0 (1614) | 3,504 ( 95) |
| 1960 | 164 ( 66) | 28.0 (1883) | 4,592 ( 125) |
| 1961 | 292 (118) | 25.5 (1715) | 7,446 ( 203) |
| 1962 | 310 (126) | 27.0 (1816) | 8,370 ( 228) |
| 1963 | 356 (144) | 28.5 (1917) | 10,146 ( 276) |
| 1964 | 523 (212) | 22.0 (1480) | 11,506 ( 313) |
| 1965 | 696 (282) | 23.5 (1581) | 16,356 ( 446) |
| 1966 | 745 (302) | 29.5 (1984) | 21,978 ( 599) |
| 1967 | 782 (317) | 22.5 (1513) | 17,595 ( 479) |
| 1968 | 782 (317) | 23.5 (1581) | 18,377 ( 501) |
| 1969 | 766 (310) | 33.5 (2253) | 25,661 ( 699) |
| 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) |

* November estimate.

EXTENSION CIRCULAR

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# NEBRASKA SOYBEAN VARIETY TESTS

## 1991

The November 1991 estimated soybean yield for Nebraska was 33 bushels per acre from 2,450,000 harvested acres. The yield was lower than last year but the acres harvested were up by 100,000 acres. The total production of soybeans for the state was 79,900,000 bushels. These estimates are from the November Nebraska Agricultural Statistics Service.

The crop started out ahead of 1990, but it fell behind from the rain in June and the replanting of soybean fields where damaged by storms. Soybean blooming was well ahead of last year and average. Drought-like conditions during the summer were stressed dryland crops and decreased yield potential. The crop maturited at a faster pace than 1990. Harvest began a week ahead of last year in some areas. The state received its first killing frost the third week of September. Most crops were mature and the yields were not affected. However, some late planted or replanted crops were hurt. Harvest was completed ahead of schedule.

## PROCEDURE

Data were obtained from 16 trials at 9 locations (Table A). Publicly-released entries were included at all sites. Privately developed varieties or blends were included in trials at all locations. Privately developed varieties were selected by the seed supplier. At seven 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 usually were planted in four-row plots 15 to 35 feet long. Plots were replicated four times in a randomized complete block design. 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. Hobbit 87 was planted at a 12 seeds per foot rate.

At harvest, two 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 that 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 all locations in 1991. 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 and the January, 1990 Chicago Board of Trade futures prices for soybean oil

($0.193/lb.) and 44 percent protein soybean meal ($183.10/ton) on Sept.1 1989.

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

Rainfall and temperature data for seven of the nine locations is shown at the end of this circular. The results are listed as deviations from the 30 year averages for that location. We wish to thank the State Climate Program at UN-L for their assistance in obtaining these data.

## PERFORMANCE

Entries generally are listed in tables in order of decreasing yield. Average performance of varieties included in trials for five 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. For this reason small yield differences have little significance. Differences required for significance are shown in each table at the 5% and 25% levels. This means that differences this great would be expected through chance alone in 1 of 20 or 1 of 4 trials, respectively. 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 included for two-, three-, four-, and five-years are reported. 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 13-22)

Four tests at two locations were planted in Dixon and Sherman Counties. Dixon County received good rain in May and June. Moderate drought stress in July and August had little effect on yields. Hot weather in August and September matured the soybeans early. Yields at the Sherman County location were excellent considering the dry conditions that prevailed in most of the soybean producing areas of the State. Moisture at the plot was near normal. Vegetative growth at the plot was lavish which reflected by tall plant heights and high lodging scores. Frost the morning of 19 September ended the growing season. Some late varieties were not fully mature.

East Central (Pages 21-31)

Six tests at three locations were planted in Cass, Clay, and Furnas Counties. Cass County plot received some timely rains that helped yields on this dryland plot. A killing frost the morning of

the 19 September hurt some of the late maturing varieties. In Clay County precipitation in April through September was only 76% of normal. The growing degree days were near normal. The winds and humidity were above normal. There wasn't much stress with irrigation. The plot looked good overall. Wet conditions delayed planting at the Furnas County plot. The irrigated kept the stress down. August 21 was the last irrigation. The supply canal was shut down at that time and ran short of water at the plot.

Southeast (Pages 32-39)

There were four tests at two locations in Nuckolls and Richardson Counties. Nuckolls County was gravity irrigated and the yields were excellent. There was some lodging with the lavish plants. Richardson County was a dryland plot but by looking at it one would think otherwise. The rains were timely and it showed. The plant height averages for the early and late maturing varieties were over 45 inches. The number of pods on the plants were tremendous. The yields were that of an irrigated plot. There was a killing frost the morning of the 19 September but the soybeans were mature enough that it didn't hurt them.

West (Pages 40-41)

There were two tests at two locations in Brown and Dawson Counties. Wet conditions delayed planting at Brown County. Center pivot irrigation helped get a 45.9 bu/a average yield. The Dawson County plot received eight inches of rain in ten days that flooded the plot and later caused crusting. Ditch irrigation helped this plot get a 56 bu/a average yield.

## CULTURAL PRACTICES

Dixon: Previous crop was corn. Herbicide used was Treflan at 0.75 lb/a.

Sherman: Corn for the past two years. Fertilizer used was 100 lb 10-34-0, 60 lb 12-0-0-26, 1/2 gallon zinc/a, and 20 lb N actual. Herbicides used were 3 pt Prowl PPI with fertilizer, and 4 pt of Pursuit 17 days after planting. The field was sprayed for bean beetle in late August. Conservation tillage was used.

Cass: Previous crops: 1989: soybeans 1990: corn. Herbicides used were Pursuit Plus 2/3 actual rate of 2.5 pt (1.65 pt), and Squadron 1/3 actual rate of 3 pt (1 pt) both applied PPI. Cultivated once and hand weeded.

Clay: Previous crop was corn. Herbicides used were 2 pt of Dual and 1.6 lb of Lorox. Broadcast 20 lb/a phosphate. Cultivated once and hilled once.

Furnas: Corn for the past two years. Fertilizer used was 7 gal 10-34-0. Herbicide used was 2.5 qt Lasso in 14 inch band with planter.

Nuckolls: Previous crops: 1989: soybeans 1990: corn. Fertilizer used was 5 gal 10-34-0. Herbicide used was Lasso banded at planting. This plot was ridge planted.

Richardson: Previous crops: 1989: soybeans 1990: corn. Herbicides used were Canopy 4 oz and Freedom 3 qt. Cultivated once and hand weeded.

Brown: Previous crops: 1989: soybeans 1990: corn. Herbicides used 1/3 pt Scepter and 1 1/5 pt Treflan both PPI. This plot was cultivated once.

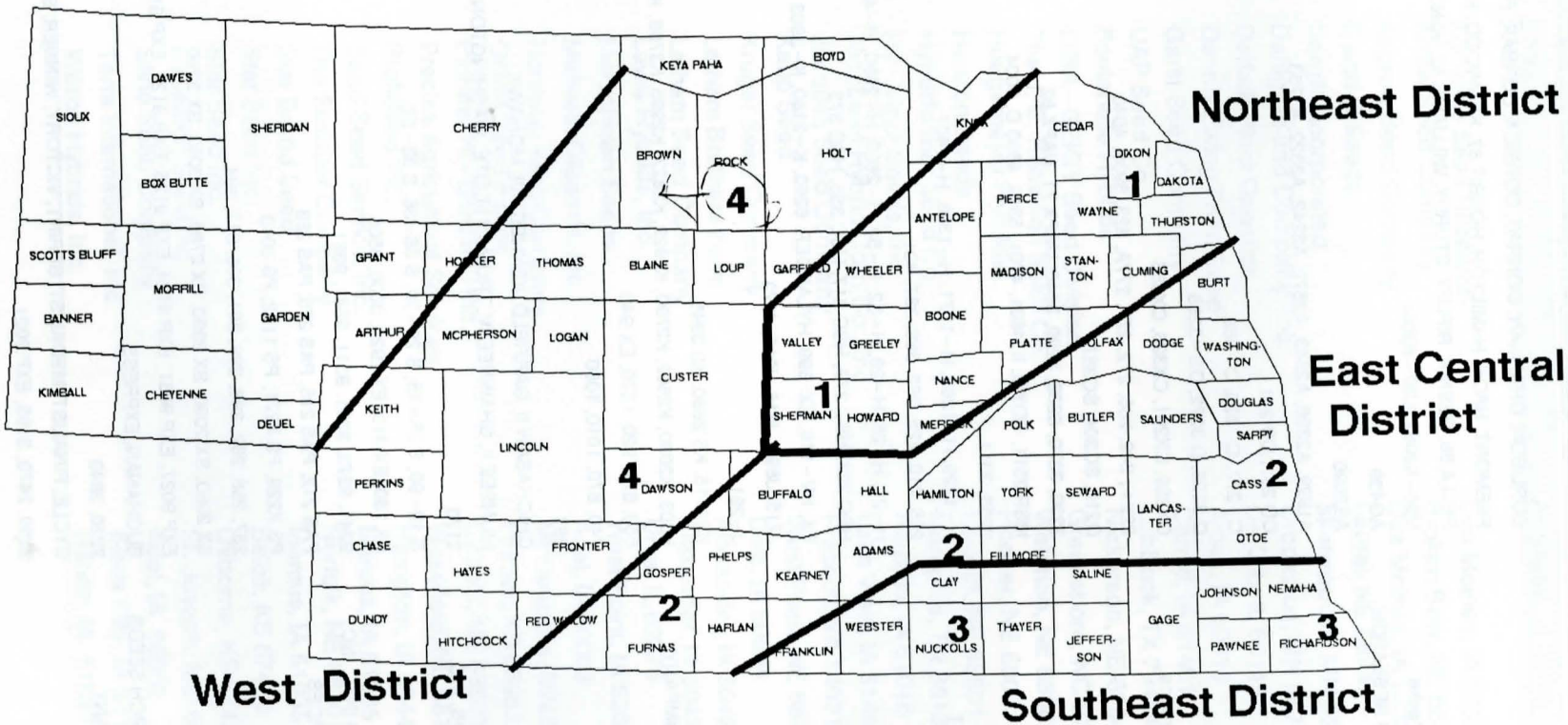
Dawson: Previous crops: 1989: soybeans 1990: corn. Herbicides used 1 1/3 pt Command and 2/3 pt Lorox in a 20 inch band at planting. Ridge till program used.

# Table A. Locations. Nebraska Soybean Performance Tests. 1991.

| Location and Cooperator | Soil Type/Herbicide | Test | Planted | Harvested | Average yield bu/A | Mat–yield correlation r |
|---|---|---|---|---|---|---|
| **Northeast District** | | | | | | |
| Dixon County | Moody silty clay loam | Early | May 28 | Oct. 1 | 39.1 | 0.18 |
| Roger Johnson, Wakefield | Treflan | Late | May 28 | Oct. 2 | 39.7 | –0.42** |
| Sherman County | Hall silt loam | Early | May 21 | Sept. 30 | 59.6 | ---- |
| Dave Kuszak, Ashton | Prowl & Pursuit w/fertilizer | Late | May 21 | Oct. 2 | 64.8 | ---- |
| **East Central District** | | | | | | |
| Cass County | Sharpsburg silty clay loam | Early | June 3 | Oct. 8 | 53.7 | 0.34** |
| James Engelkemeier, Louisville | Pursuit Plus & Squadron | Late | June 3 | Oct. 8 | 50.7 | ---- |
| Clay County | Hastings silt loam | Early | May 15 | Sept. 25 | 66.9 | ---- |
| South Central Res. & Ext. Center | Dual & Lorox | Late | May 15 | Oct. 15 | 68.4 | ---- |
| Furnas County | Hord silt loam | Early | May 29 | Oct. 3 | 51.3 | ---- |
| Gene Glanzer, Holbrook | Lasso | Late | May 29 | Oct. 2 | 53.3 | ---- |
| **Southeast District** | | | | | | |
| Richardson County | Kennebec silty clay loam | Early | May 29 | Oct. 1 | 64.3 | ---- |
| Fred Brewer, Falls City | Freedom & Canopy | Late | May 29 | Oct. 2 | 61.6 | ---- |
| Nuckolls County | Fillmore silt loam | Early | May 22 | Oct. 8 | 65.9 | ---- |
| John Greer | Lasso | Late | May 22 | Oct. 10 | 57.8 | ---- |
| **West District** | | | | | | |
| Brown County | Johnstown fine sandy loam | ---- | June 6 | Oct. 7 | 45.9 | ---- |
| Lowell Graves, Ainsworth | Scepter & Treflan | | | | | |
| Dawson County | Cozad silt loam | ---- | May 20 | Sept. 24 | 56.3 | ---- |
| Brian Edeal, Overton | Command & Lorox | | | | | |

*, ** significant at the 5% and 1% level, respectively. Negative r values indicate that early varieties were higher yielding.

# 1991 Soybean Variety Testing Locations



## Table B. Entries. Nebraska Soybean Performance Tests. 1991.

| BRAND | ENTRIES |
|---|---|
| Public Entries | BURLISON, CHAPMAN, CONRAD, CORSICA, DUNBAR, EDISON, FLYER, FREMONT, HACK, HAMILTON, HOBBIT 87, KENWOOD, KUNITZ, M84-916, PELLA 86, RESNIK, RIPLEY, STURDY, WILLIAMS 82, WINCHESTER, ZANE |
| University of Nebraska | U86-62062, U87-63041 |
| AGRIGENE SEED RESEARCH | AG439 |
| ARROW SEED | AS2090 |
| ASGROW | A1929, A2396, A2543, A2872, A3242, A3322, A3733 |
| C and D Seeds | CD 261, CD 281 |
| CARGILL | C-277, C-325, C-368 |
| DAHLGREN | D 3223, D 3272, DS-3285 |
| DEKALB Plant Genetics | CX259, CX291, CX326, CX366 |
| DESOY | 222+, 242, 266, 272, 277, 277A, 323, 3939, 4040 |
| DIAMOND | D210, SC304, SC357 |
| DYNA-GRO | 3230, 3270, 3233, 3290, 3340, UAPX 71, UAPX 82 |
| FONTANELLE | MSR 2511, ROYAL II, 4601, 4701, 5319, 4850 C, 6004 |
| FUNK'S G BRAND | 3258, 3311 |
| GOLDEN HARVEST | H-1229, H-1260, H-1271, H-1308, H-1407 |
| HOEGEMEYER | 205, 210, 225, 262, 368, 387, 401 |
| HORIZON | H-21, H-25, H-28, H-32, H-53, H-2600, H-2990, H-4688 |
| HYPERFORMER | HSC 223, HSC 279, HSC 317, HSC 355, HSC 373 |
| HY-VIGOR | EX: HV-116, EX: 699, HYLANDER, 6260, K-2180, K-3903 |
| JACOBSEN | J715, J897, J818, J910, J972 |
| JACQUES | J-291 |
| KAUP SEED | KS2115, KS 2690, KS 3945 |
| KRUGER SEED COMPANY | K303, K2030, K2562, K2790, K2929, K2827, K2995, K3769, K3939, K4040 |
| LATHAM | 650, 671, 920, 1070, EX 940 |
| LATHAM | 740, 870, 1010, 1080 |
| LEWIS | 367 |
| MERSCHMAN | CHICHASAW II, GARFIELD, KENNEDY III, MOHAWK, MUNSEE II, SHAWNEE IV, TRUMAN III, UTE, WASHINGTON VI |
| MIDWEST OILSEEDS, INC. | 2170 |
| NORTHRUP KING | S 19-90, S 25-15, S 29-39, S 36-36, S 33-32 |
| OHLDE | EX 130, EX 310, EX 2929, 3000, 3500 |
| PIONEER HI-BRED INTL. INC. | 9241, 9273, 9301, 9311, 9341, 9381 |
| PRECISE AG. SERVICES | PAS 212, PAS 215, PAS 275, PAS 288 |
| PROFISEED | PS X229, PS X271, PS 1152, PS 3040 |
| SANDS | 237, 268, 287, 298, 299, 301, 306, 317, 394 |
| SEXAUER | SX 2080, SX 2090, SX 2390, SX 2785, SX 3050, SX 3290 |
| STAR | EXP 9027, EXP 9031, EXP 9124, EXP 9125, EXP 9127, EXP 9132, EXP 9135 |
| STAR SEED/RESEARCH SEEDS | BUCHANAN, EXPRESS |
| STINE SEED COMPANY | 2220, 2840 |
| TERRA | CYCLE, FINALIST, MEDALIST, SPRINT, VICTORY, WINNER, EXP.299, EXP.350 |
| WILSON | 2060, 2470, 3165, EXP.9021 |

## Table C. Entrants. Nebraska Soybean Performance Tests. 1991.

| Brand | Entrant | Address |
|---|---|---|
| Agrigene | Agrigene Seed Research | Des Moines, IA 50322 |
| Arrow Seed | Arrow Seed Company | Broken Bow, NE 68822 |
| Asgrow | Asgrow Seed Company | Des Moines, IA 50322 |
| C and D Seeds | C and D Seeds | Laurel, NE 68745 |
| Cargill | Cargill Incorporated | Minneapolis, MN 55440 |
| Dahlgren | Dahlgren and Company, Inc. | Crookston, MN 56716 |
| DeKalb | DeKalb Plant Genetics | DeKalb, IL 60115 |
| DeSoy | Dennis Ewing Farm Seed | Ames, IA 50010 |
| Diamond | Garst Seed Company | Carroll, IA 51401 |
| Dyna–Gro | UAP Seed Co. | Lubbock, TX 79414 |
| Fontanelle | Fontanelle Hybrids | Nickerson, NE 68044 |
| FunK's G Brand | CIBA–GEIGY Seed Division | Greensboro, NC 27419 |
| Golden Harvest | The J. C. Robinson Seed Co. | Waterloo, NE 68069 |
| Hoegemeyer | Hoegemeyer Hybrids | Hooper, NE 68031 |
| Horizon | Horizon Seeds | Lincoln, NE 68501 |
| Hyperformer | HyPerformer Seed Co. | Memphis, TN 38137 |
| Hy–Vigor | Hy–Vigor Seeds, Inc. | Paullina, IA 51046 |
| Jacobsen | Jacobsen Hybrid Corn Co., Inc. | Lake View, IA 51450 |
| Jacques | Jacques Seed Company | Prescott, WI 54021 |
| Kaup Seed | Kaup Seed | West Point, NE 68788 |
| Kruger | Kruger Seed Company | Dike, IA 50624 |
| Latham | Latham Brothers Farm | Alexander, IA 50420 |
| Latham | Latham Seed Company | Alexander, IA 50420 |
| Lewis | Lewis Hybrids, Inc. | Ursa, IL 62376 |
| Merschman | Merschman Seeds | West Point, IA 52656 |
| Midwest Oilseeds | Midwest Oilseeds, Inc. | Adel, IA 50003 |
| Northrup King | Northrup King Company | Minneapolis, MN 55440 |
| Ohlde | Ohlde Seed Farms | Palmer, KS 66962 |
| Pioneer | Pioneer Hi–Bred Int'l Inc. | Lincoln, NE 68505 |
| PAS | Precise Agricultural Services | Wakefield, NE 68784 |
| ProfiSeed | ProfiSeed Inc. | Hampton, IA 50441 |
| Sands | Sand Seed Service, Inc. | Marcus, IA 51035 |
| Sexauer | The Sexauer Company | Norfolk, NE 68701 |
| Star | Star Brand Seed | Marcus, IA 51035 |
| | Star Seed Inc. | Beloit, KS 67420 |
| Star Seed / Research Seeds | Star Seed Inc. | Osborne, KS 67473 |
| | Research Seed Inc. | St. Joseph, MO 64502 |
| Stine | Stine Seed Company | Adel, IA 50003 |
| Terra | Terra International, Inc. | Sioux City, IA 51101 |
| Wilson | Wilson Hybrids, Inc. | Harlan, IA 51537 |

## Table D. Soybean performance. Average for entries common over years within tests. Five years. 1987–1991.

| Test | Year | Yield bu/A | Mature date | Lodging score | Height inches | Seeds /pound | Bushel weight | Protein % | Oil % | EPVA $ |
|---|---|---|---|---|---|---|---|---|---|---|
| Northeast | | | | | | | | | | |
| Early (2 entries) | 1987 | 49.5 | 9–29 | 1.0 | 35.0 | ---- | ---- | ---- | ---- | ---- |
| | 1988 | 34.6 | 9–20 | 1.0 | 29.0 | 2695 | ---- | 33.3 | 20.2 | 222.30 |
| | 1989 | 32.8 | 9–23 | ---- | 19.5 | 2520 | ---- | 35.4 | 19.6 | 218.24 |
| | 1990 | 30.5 | 9–14 | 1.0 | 27.5 | 3105 | ---- | 36.0 | 17.6 | 197.94 |
| | 1991 | 46.1 | 9–14 | 1.4 | 35.0 | 2677 | ---- | 35.5 | 18.3 | 299.78 |
| Late (5 entries) | 1987 | 57.3 | 10–2 | 1.1 | 39.0 | ---- | ---- | ---- | ---- | ---- |
| | 1988 | 36.7 | 9–21 | 1.0 | 29.6 | 3044 | ---- | 33.2 | 20.0 | 234.26 |
| | 1989 | 28.2 | 9–26 | ---- | 19.0 | 2432 | ---- | 35.2 | 19.3 | 185.87 |
| | 1990 | 30.7 | 9–16 | 1.0 | 29.4 | 3330 | ---- | 36.0 | 17.8 | 200.18 |
| | 1991 | 51.5 | 9–16 | 2.1 | 38.0 | 2767 | ---- | 35.8 | 18.1 | 335.66 |
| East Central | | | | | | | | | | |
| Early (4 entries) | 1987 | 47.6 | 9–27 | 1.5 | 36.3 | 3058 | ---- | ---- | ---- | ---- |
| | 1988 | 37.0 | 9–13 | 1.3 | 41.0 | 3938 | 58.3 | 33.4 | 20.2 | 238.87 |
| | 1989 | 50.3 | 9–24 | 2.5 | 39.3 | 2820 | 57.5 | 33.9 | 19.9 | 325.94 |
| | 1990 | 40.0 | 9–20 | 1.8 | 37.0 | 3627 | 57.2 | 35.5 | 19.0 | 363.68 |
| | 1991 | 58.1 | 9–19 | 17.6 | 40.5 | 2654 | 58.5 | 34.4 | 19.1 | 374.76 |
| Late (5 entries) | 1987 | 52.9 | 10–1 | 1.1 | 34.0 | 2710 | ---- | ---- | ---- | ---- |
| | 1988 | 36.0 | 9–17 | 1.3 | 33.2 | 3352 | 57.4 | 32.2 | 20.4 | 226.55 |
| | 1989 | 50.8 | 9–24 | 2.4 | 33.6 | 2742 | 57.6 | 32.6 | 20.1 | 319.99 |
| | 1990 | 37.0 | 9–17 | 1.6 | 35.2 | 3464 | 57.6 | 34.9 | 17.7 | 235.30 |
| | 1991 | 55.6 | 9–20 | 8.7 | 36.8 | 2420 | 58.0 | 34.6 | 19.5 | 356.56 |
| Southeast | | | | | | | | | | |
| Early (2 entries) | 1987 | 46.3 | 9–19 | 1.0 | 28.0 | 3140 | ---- | ---- | ---- | ---- |
| | 1988 | 23.9 | 9–9 | 1.3 | 28.0 | 3645 | 56.0 | 34.5 | 19.4 | 155.32 |
| | 1989 | 32.1 | 9–9 | 1.0 | 21.0 | 2500 | 56.5 | 34.6 | 19.5 | 209.36 |
| | 1990 | 38.5 | 9–19 | 1.0 | 29.5 | 3280 | 57.5 | 35.2 | 19.1 | 252.92 |
| | 1991 | 64.7 | 9–20 | 2.0 | 35.5 | 2445 | 58.5 | 34.3 | 18.7 | 413.40 |
| Late (4 entries) | 1987 | 44.4 | 9–23 | 1.7 | 35.3 | 3083 | ---- | ---- | ---- | ---- |
| | 1988 | 25.3 | 9–17 | 1.7 | 40.0 | 3678 | 56.8 | 35.4 | 19.3 | 167.72 |
| | 1989 | 33.9 | 9–11 | 1.0 | 23.0 | 2565 | 56.8 | 35.1 | 19.2 | 222.15 |
| | 1990 | 39.5 | 9–24 | 1.0 | 35.8 | 3033 | 57.3 | 35.8 | 18.7 | 261.36 |
| | 1991 | 64.1 | ---- | 2.4 | 43.5 | 2368 | 57.3 | 26.7 | 26.9 | 416.73 |

# Northeast Early Maturing Soybean Variety Tests
# Dixon and Sherman Counties – 1991.

| BRAND | VARIETY | Average YIELD BU/A | Dixon Yield bu/a | Sherman Yield Bu/a | 1991 Average MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DE SOY | 282 | 54.2 | 44.7 | 63.6 | 9–14 | 1.7 | 32 | 2970 | 35 | 19 | 352 |
| PRECISE AG SRVS | PAS215 | 53.9 | 38.8 | 62.0 | 9–12 | 1.0 | 31 | 3000 | 36 | 18 | 353 |
| ASGROW | A2396 | 53.8 | 43.6 | 63.9 | 9–13 | 1.5 | 37 | 2870 | 34 | 19 | 348 |
| SANDS | SOI237 | 53.8 | 37.8 | 69.7 | 9–13 | 1.3 | 33 | 2930 | 35 | 18 | 348 |
| PROFISEED | PS 3040 | 53.6 | 45.8 | 61.4 | 9–15 | 1.3 | 40 | 2850 | 34 | 19 | 346 |
| PRECISE AG SRVS | PAS275 | 53.5 | 38.0 | 69.7 | 9–16 | 1.2 | 40 | 2740 | 34 | 19 | 345 |
| HOEGEMEYER | 225 | 53.5 | 37.4 | 69.5 | 9–13 | 1.1 | 32 | 3070 | 36 | 18 | 350 |
| PIONEER | 9273 | 53.4 | 40.4 | 66.3 | 9–17 | 1.4 | 36 | 2950 | 35 | 19 | 346 |
| JACQUES | J–291 | 52.9 | 43.0 | 62.7 | 9–16 | 1.2 | 39 | 2900 | 34 | 19 | 343 |
| STAR | EXP9125 | 52.9 | 41.2 | 64.5 | 9–14 | 1.2 | 31 | 2820 | 35 | 18 | 343 |
| ASGROW | A1929 | 52.7 | 44.0 | 61.3 | 9– 9 | 1.6 | 35 | 2790 | 35 | 18 | 340 |
| FUNK'S G BRAND | 3258 | 52.4 | 39.9 | 64.8 | 9–12 | 1.8 | 37 | 2790 | 36 | 18 | 342 |
| TERRA | MEDALIST | 51.9 | 37.9 | 65.9 | 9–12 | 2.4 | 38 | 3150 | 36 | 18 | 336 |
| JACOBSEN | J897 | 51.9 | 44.9 | 58.8 | 9–15 | 1.2 | 41 | 2850 | 35 | 19 | 335 |
| DE SOY | 242 | 51.9 | 41.1 | 62.7 | 9–16 | 1.5 | 39 | 2600 | 35 | 19 | 338 |
| PIONEER | 9241 | 51.8 | 40.2 | 63.3 | 9–11 | 1.6 | 32 | 2930 | 35 | 19 | 333 |
| C & D | CD 281 | 51.8 | 41.0 | 62.6 | 9–15 | 1.9 | 37 | 2590 | 35 | 18 | 333 |
| LATHAM | EX940 | 51.6 | 43.8 | 59.4 | 9–20 | 2.6 | 37 | 2660 | 35 | 18 | 336 |
| PROFISEED | PS 1152 | 51.6 | 42.7 | 60.5 | 9–14 | 1.5 | 39 | 2840 | 35 | 18 | 336 |
| STINE | 2840 | 51.2 | 37.6 | 64.8 | 9–12 | 1.8 | 35 | 2680 | 35 | 18 | 330 |
| KRUGER | K2790 | 51.1 | 44.3 | 57.9 | 9–14 | 1.5 | 40 | 2770 | 34 | 19 | 327 |
| SEXAUER | SX–2390 | 50.8 | 37.5 | 64.0 | 9–10 | 1.9 | 37 | 2920 | 36 | 18 | 333 |
| STAR | EXP9124 | 50.6 | 42.0 | 59.2 | 9–12 | 1.6 | 36 | 2730 | 35 | 19 | 327 |
| HY–VIGOR | K–3903 | 50.5 | 40.4 | 60.5 | 9–11 | 2.7 | 40 | 2870 | 35 | 18 | 325 |
| NORTHRUP KING | S 19–90 | 50.5 | 40.4 | 60.5 | 9– 7 | 1.0 | 34 | 2530 | 36 | 18 | 327 |
| LATHAM | 870 | 50.3 | 36.1 | 64.5 | 9–16 | 1.3 | 32 | 2870 | 37 | 18 | 331 |
| ----- | U87–63041 | 50.1 | 38.8 | 61.3 | 9–10 | 1.3 | 34 | 2910 | 35 | 19 | 326 |

Continued on page 2.

# Northeast Early Maturing Soybean Variety Tests
# Dixon and Sherman Counties – 1991. Page 2.

| | | Average | Dixon | Sherman | 1991 Average | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | Yield bu/a | Yield Bu/a | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
| TERRA | WINNER | 50.1 | 37.2 | 63.0 | 9–12 | 1.8 | 36 | 2670 | 35 | 18 | 324 |
| DAHLGREN | D–3223 | 50.0 | 40.7 | 59.3 | 9–10 | 1.7 | 35 | 2860 | 36 | 18 | 322 |
| PRECISE AG SRVS | PAS212 | 49.9 | 44.9 | 60.9 | 9–13 | 2.5 | 37 | 2940 | 35 | 18 | 323 |
| HYPERFORMER HS | 223 | 49.6 | 39.7 | 59.4 | 9– 9 | 1.7 | 36 | 3010 | 36 | 18 | 324 |
| ––––– | STURDY | 49.5 | 38.8 | 60.1 | 9–10 | 1.5 | 35 | 2750 | 35 | 18 | 322 |
| MERSHMAN | UTE | 49.3 | 37.0 | 61.5 | 9–14 | 1.5 | 37 | 2670 | 35 | 18 | 318 |
| GOLDEN HARVEST | H–1229 | 49.3 | 39.9 | 58.7 | 9–12 | 2.1 | 33 | 2560 | 35 | 18 | 319 |
| HY–VIGOR | K–2180 | 49.2 | 39.4 | 59.0 | 9–11 | 2.2 | 43 | 2730 | 35 | 18 | 319 |
| NORTHRUP KING | S 25–15 | 48.8 | 38.5 | 59.1 | 9–11 | 1.9 | 35 | 2930 | 36 | 18 | 320 |
| OHLDE | EX800 | 48.8 | 37.3 | 60.2 | 9–15 | 1.0 | 33 | 2840 | 36 | 18 | 317 |
| WILSON | 2060 | 48.8 | 36.5 | 61.1 | 9–12 | 2.3 | 35 | 2830 | 36 | 18 | 319 |
| PROFISEED | PS X229 | 48.6 | 37.3 | 59.9 | 9–15 | 1.5 | 35 | 3130 | 35 | 18 | 313 |
| HORIZON | 25 | 48.6 | 41.3 | 55.9 | 9–14 | 3.0 | 36 | 2990 | 35 | 19 | 318 |
| C & D | CD 261 | 48.5 | 36.6 | 60.3 | 9–12 | 2.4 | 40 | 2920 | 35 | 18 | 314 |
| GOLDEN HARVEST | H–1260 | 48.4 | 38.5 | 58.2 | 9–14 | 2.1 | 36 | 2650 | 35 | 19 | 311 |
| HY–VIGOR | EX:HV–116 | 48.4 | 39.5 | 57.2 | 9–11 | 2.6 | 39 | 2790 | 35 | 18 | 315 |
| HORIZON | 2600 | 48.3 | 37.1 | 59.4 | 9–15 | 1.3 | 35 | 3110 | 36 | 18 | 314 |
| SANDS | SOI287 | 48.2 | 37.6 | 58.7 | 9–14 | 2.1 | 38 | 2620 | 35 | 18 | 310 |
| ––––– | EXPTL #1 | 48.1 | 36.7 | 59.4 | 9–17 | 1.5 | 38 | 2680 | 36 | 18 | 312 |
| JACOBSEN | J715 | 48.0 | 39.3 | 56.6 | 9–14 | 2.1 | 40 | 3080 | 36 | 18 | 312 |
| KRUGER | K2562 | 47.9 | 38.5 | 57.2 | 9–14 | 1.8 | 36 | 2630 | 35 | 19 | 312 |
| ––––– | BURLISON | 47.9 | 40.8 | 55.0 | 9–17 | 1.0 | 35 | 2560 | 37 | 17 | 314 |
| LATHAM | 650 | 47.7 | 39.1 | 56.3 | 9–12 | 2.0 | 36 | 2920 | 35 | 18 | 311 |
| ––––– | CHAPMAN | 47.6 | 33.7 | 61.4 | 9–15 | 1.6 | 35 | 2630 | 36 | 18 | 312 |
| DEKALB Plant Gen | CX259 | 47.3 | 38.3 | 56.2 | 9–13 | 2.1 | 38 | 2540 | 35 | 19 | 307 |
| KAUP SEED | KS 2115 | 47.3 | 38.5 | 56.0 | 9– 9 | 2.0 | 38 | 2960 | 36 | 17 | 306 |

Continued on page 3.

# Northeast Early Maturing Soybean Variety Tests
# Dixon and Sherman Counties – 1991. Page 3.

| BRAND | VARIETY | Average YIELD BU/A | Dixon Yield bu/a | Sherman Yield Bu/a | 1991 Average MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LATHAM | 671 | 47.2 | 39.6 | 54.7 | 9–13 | 1.3 | 35 | 2820 | 36 | 18 | 308 |
| MERSHMAN | MUNSEE II | 47.1 | 38.1 | 56.1 | 9–15 | 1.6 | 34 | 2350 | 35 | 19 | 306 |
| DIAMOND BRAND | D210 | 47.0 | 39.5 | 54.4 | 9–12 | 1.8 | 36 | 2700 | 35 | 19 | 304 |
| DE SOY | 222+ | 46.7 | 36.3 | 57.0 | 9–13 | 1.8 | 37 | 2950 | 35 | 19 | 304 |
| ----- | M84–916 | 46.7 | 36.4 | 57.0 | 9– 3 | 2.8 | 40 | 2600 | 35 | 19 | 304 |
| DEKALB Plant Gen | CX291 | 46.7 | 41.2 | 52.1 | 9–19 | 2.4 | 42 | 2720 | 35 | 19 | 304 |
| LATHAM | 740 | 46.5 | 36.4 | 56.6 | 9–15 | 1.9 | 40 | 3390 | 35 | 18 | 302 |
| STINE | 2220 | 46.5 | 39.3 | 53.6 | 9– 9 | 1.7 | 32 | 2650 | 35 | 18 | 298 |
| KRUGER | K2030 | 46.4 | 34.6 | 58.2 | 9– 4 | 1.5 | 33 | 2650 | 35 | 18 | 296 |
| ----- | HACK | 46.3 | 33.0 | 59.5 | 9–12 | 1.5 | 35 | 2680 | 35 | 18 | 300 |
| HOEGEMEYER | 210 | 45.9 | 36.4 | 55.3 | 9–10 | 1.7 | 36 | 2890 | 36 | 18 | 302 |
| ----- | KENWOOD | 45.5 | 38.0 | 53.1 | 9–13 | 2.6 | 39 | 2890 | 35 | 18 | 293 |
| SEXAUER | SX–2080 | 45.0 | 36.9 | 53.0 | 9–12 | 1.3 | 36 | 3010 | 36 | 18 | 293 |
| ----- | CONRAD | 44.8 | 34.4 | 55.1 | 9–12 | 1.2 | 35 | 2970 | 34 | 18 | 279 |
| DAHLGREN | D–3272 | 44.0 | 34.3 | 53.7 | 9–21 | 2.0 | 38 | 3160 | 36 | 18 | 286 |
| Average of all entries | | 49.1 | 39.1 | 59.6 | 9–13 | 1.7 | 36 | 2829 | 35 | 18.0 | 318 |
| Dif Req for Sig | 5% | NS | 5.0 | 8.7 | 2 | 1.1 | 2.8 | 253 | 0.7 | 0.5 | NS |
| | 25% | 3.8 | 2.9 | 5.1 | 1 | 0.7 | 1.6 | 148 | 0.4 | 0.3 | 26 |

# Northeast Early Maturing Soybean Tests 1987 – 1991.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 2–Year averages | | | | | |
| JACOBSEN | J897 | 44.1 | 9–16 | 1.1 | 37 | 2920 | 34.7 | 18.7 | 285 |
| PROFISEED | PS 1152 | 43.0 | 9–14 | 1.3 | 35 | 3070 | 35.6 | 18.2 | 280 |
| KRUGER | K2790 | 42.9 | 9–15 | 1.3 | 38 | 2850 | 34.5 | 18.8 | 275 |
| PIONEER | 9273 | 42.6 | 9–17 | 1.2 | 31 | 2950 | 35.9 | 17.8 | 277 |
| STINE | 2840 | 42.4 | 9–13 | 1.4 | 31 | 2790 | 35.7 | 18.0 | 275 |
| PIONEER | 9241 | 42.1 | 9–12 | 1.3 | 28 | 3090 | 35.0 | 18.1 | 270 |
| FUNK'S G BRAND | 3258 | 41.8 | 9–14 | 1.4 | 33 | 2910 | 35.7 | 18.0 | 272 |
| DIAMOND BRAND | D210 | 41.3 | 9–13 | 1.4 | 33 | 2800 | 36.0 | 18.0 | 270 |
| TERRA | WINNER | 41.2 | 9–14 | 1.4 | 32 | 2740 | 35.9 | 18.0 | 269 |
| ----- | U87–63041 | 40.8 | 9–11 | 1.2 | 30 | 3030 | 35.7 | 18.4 | 267 |
| TERRA | MEDALIST | 40.7 | 9–13 | 1.7 | 34 | 3300 | 36.5 | 17.2 | 264 |
| NORTHRUP KING | S 25–15 | 40.7 | 9–13 | 1.5 | 32 | 3100 | 36.3 | 17.8 | 267 |
| OHLDE | EX800 | 40.6 | 9–17 | 1.0 | 30 | 2950 | 36.5 | 17.2 | 264 |
| STINE | 2220 | 40.3 | 9–10 | 1.3 | 29 | 2830 | 35.6 | 17.8 | 260 |
| GOLDEN HARVEST | H–1260 | 40.3 | 9–15 | 1.6 | 32 | 2770 | 35.7 | 17.9 | 261 |
| LATHAM | 650 | 40.2 | 9–13 | 1.5 | 33 | 3080 | 36.1 | 18.1 | 263 |
| HY–VIGOR | K–2180 | 40.1 | 9–11 | 1.6 | 37 | 3020 | 35.8 | 18.2 | 262 |
| MERSHMAN | UTE | 39.7 | 9–14 | 1.3 | 32 | 2790 | 35.9 | 18.0 | 259 |
| SANDS | SOI 287 | 39.7 | 9–14 | 1.6 | 34 | 2760 | 35.8 | 18.0 | 258 |
| LATHAM | 740 | 39.4 | 9–15 | 1.5 | 34 | 3470 | 35.6 | 17.9 | 255 |
| DAHLGREN | D–3223 | 39.2 | 9–11 | 1.4 | 31 | 3080 | 36.4 | 17.4 | 254 |
| MERSHMAN | MUNSEE II | 38.7 | 9–15 | 1.3 | 30 | 2690 | 35.0 | 18.4 | 250 |
| HOEGEMEYER | 210 | 38.2 | 9–11 | 1.3 | 32 | 3150 | 36.6 | 17.5 | 251 |
| ----- | CHAPMAN | 38.1 | 9–15 | 1.3 | 33 | 2850 | 36.4 | 17.7 | 249 |
| ----- | KENWOOD | 38.1 | 9–13 | 1.8 | 34 | 3210 | 35.5 | 17.7 | 245 |
| SEXAUER | SX–2080 | 37.8 | 9–13 | 1.2 | 33 | 3090 | 36.5 | 17.5 | 248 |
| ----- | BURLISON | 37.6 | 9–17 | 1.0 | 32 | 2740 | 37.4 | 16.9 | 247 |
| DAHLGREN | D–3272 | 35.4 | 9–20 | 1.5 | 34 | 3340 | 37.0 | 16.6 | 230 |
| Average all entries | | 40.3 | 9–14 | 1.4 | 33 | 2980 | 35.9 | 17.9 | 262 |
| Dif. Req. for Sig. 5% | | 2.0 | 1.1 | NS | 1 | 120 | 0.4 | 0.3 | NS |
| 25% | | 1.1 | 0.6 | NS | 1 | 70 | 0.2 | 0.2 | 7 |
| | | | | 3–Year Averages | | | | | |
| STINE | 2840 | 39.5 | 9–16 | 1.4 | 27 | 2620 | 35.5 | 18.4 | 257 |
| MERSHMAN | UTE | 39.3 | 9–17 | 1.3 | 28 | 2630 | 35.8 | 18.4 | 258 |
| LATHAM | 650 | 37.5 | 9–15 | 1.5 | 28 | 3020 | 36.2 | 18.5 | 248 |
| DIAMOND BRAND | D210 | 37.2 | 9–16 | 1.4 | 28 | 2670 | 35.6 | 18.4 | 243 |

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# Northeast Early Maturing Soybean Tests. 1987 – 1991. Page 2.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 3–Year averages (continued) | | | | | |
| MERSHMAN | MUNSEE II | 36.9 | 9–18 | 1.3 | 26 | 2580 | 35.0 | 18.7 | 240 |
| SEXAUER | SX–2080 | 35.9 | 9–15 | 1.2 | 28 | 2950 | 36.3 | 18.3 | 237 |
| SANDS | SOI 287 | 35.9 | 9–17 | 1.6 | 29 | 2600 | 36.3 | 18.2 | 236 |
| TERRA | MEDALIST | 35.7 | 9–16 | 1.7 | 29 | 3070 | 35.9 | 17.9 | 232 |
| ----- | BURLISON | 35.3 | 9–21 | 1.0 | 27 | 2550 | 36.6 | 17.7 | 232 |
| Average all entries | | 37.0 | 9–17 | 1.4 | 28 | 2740 | 35.9 | 18.3 | 243 |
| Dif. Req. for Sig. 5% | | 1.1 | 1.1 | NS | NS | 100 | NS | NS | NS |
| 25% | | 0.6 | 0.6 | NS | 1 | 60 | NS | 0.2 | NS |
| | | | | 4–Year Averages | | | | | |
| DIAMOND BRAND | D210 | 37.6 | 9–17 | 1.3 | 29 | 2670 | 34.6 | 19.0 | 243 |
| SANDS | SOI 287 | 36.4 | 9–17 | 1.4 | 29 | 2660 | 35.2 | 18.8 | 237 |
| MERSHMAN | MUNSEE II | 36.3 | 9–18 | 1.2 | 27 | 2610 | 34.5 | 19.2 | 235 |
| TERRA | MEDALIST | 35.8 | 9–17 | 1.5 | 30 | 3160 | 35.2 | 18.5 | 232 |
| ----- | BURLISON | 35.7 | 9–21 | 1.0 | 28 | 2630 | 36.0 | 18.1 | 234 |
| SEXAUER | SX–2080 | 35.6 | 9–17 | 1.1 | 29 | 2890 | 35.6 | 18.6 | 234 |
| Average all entries | | 36.2 | 9–18 | 1.3 | 29 | 2770 | 35.2 | 18.7 | 236 |
| Dif. Req. for Sig. 5% | | NS | 1.1 | NS | 1 | 120 | NS | 0.3 | NS |
| 25% | | NS | 0.6 | NS | 0 | 70 | 0.3 | 0.2 | NS |
| | | | | 5 Year averages | | | | | |
| MERSHMAN | MUNSEE II | 39.1 | 9–21 | 1.1 | 28 | 2610 | 34.5 | 19.2 | 235 |
| SEXAUER | SX–2080 | 38.2 | 9–19 | 1.1 | 30 | 2890 | 35.6 | 18.6 | 234 |
| Average all entries | | 38.7 | 9–20 | 1.1 | 29 | 2750 | 35.1 | 18.9 | 235 |
| Dif. Req. for Sig. 5% | | NS | NS | NS | 1 | NS | 0.4 | NS | NS |
| 25% | | 1.1 | 0.7 | NS | 0 | 90 | 0.2 | NS | NS |

# Northeast Late Maturing Variety Test
# Dixon and Sherman Counties – 1991.

| | | Average | Dixon | Sherman | 1991 Average | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
| FONTANELLE | 4701 | 59.3 | 45.2 | 73.4 | 9–17 | 1.4 | 41 | 2720 | 35 | 19 | 380 |
| DE SOY | 272 | 58.9 | 42.5 | 75.2 | 9–13 | 1.3 | 32 | 3020 | 35 | 18 | 382 |
| ARROW SEED | AS2090 | 58.7 | 45.5 | 71.9 | 9–15 | 1.1 | 41 | 2810 | 34 | 19 | 377 |
| SEXAUER | SX–2785 | 58.0 | 47.1 | 68.9 | 9–15 | 1.2 | 41 | 2680 | 35 | 19 | 374 |
| DE SOY | 277A | 57.5 | 42.1 | 72.8 | 9–15 | 2.2 | 39 | 2820 | 36 | 18 | 373 |
| KRUGER | K2929 | 57.1 | 42.9 | 71.2 | 9–15 | 2.7 | 36 | 2740 | 35 | 18 | 368 |
| DE SOY | 266 | 56.8 | 43.4 | 70.2 | 9–14 | 2.2 | 38 | 3040 | 35 | 18 | 371 |
| CARGILL | C–277 | 56.2 | 43.5 | 68.8 | 9–15 | 1.3 | 42 | 2800 | 35 | 19 | 361 |
| STAR | EXP9027 | 56.1 | 43.8 | 68.4 | 9–16 | 1.1 | 41 | 2750 | 34 | 19 | 363 |
| TERRA | SPRINT | 55.4 | 41.2 | 69.5 | 9–16 | 2.6 | 39 | 2930 | 35 | 18 | 360 |
| DEKALB Plant Gen | CX259 | 55.4 | 40.6 | 70.1 | 9–13 | 1.8 | 37 | 2580 | 35 | 18 | 357 |
| FONTANELLE | MSR2511 | 55.2 | 45.4 | 65.0 | 9–14 | 2.0 | 36 | 2820 | 35 | 18 | 356 |
| GOLDEN HARVEST | H–1271 | 55.1 | 45.5 | 64.7 | 9–16 | 1.2 | 41 | 2850 | 35 | 19 | 360 |
| DYNA–GRO | 3270 | 55.0 | 41.5 | 68.5 | 9–16 | 1.7 | 37 | 3020 | 36 | 18 | 356 |
| ----- | STURDY | 54.8 | 44.0 | 65.5 | 9–10 | 1.8 | 36 | 2530 | 35 | 18 | 356 |
| WILSON | 2470 | 54.5 | 42.7 | 66.3 | 9–15 | 1.6 | 42 | 2800 | 35 | 19 | 353 |
| MERSHMAN | CHICKASAW II | 54.1 | 44.0 | 64.1 | 9–13 | 1.3 | 38 | 2770 | 36 | 18 | 357 |
| PROFISEED | PS X271 | 54.1 | 39.4 | 68.7 | 9–14 | 2.3 | 39 | 2950 | 36 | 18 | 351 |
| OHLDE | 3000 | 53.8 | 38.3 | 69.2 | 9–18 | 1.9 | 39 | 2780 | 35 | 17 | 339 |
| KAUP SEED | KS 3945 | 53.7 | 39.7 | 67.6 | 9–20 | 2.3 | 39 | 2750 | 35 | 18 | 340 |
| KRUGER | K2995 | 53.4 | 39.4 | 67.3 | 9–16 | 2.6 | 40 | 2770 | 35 | 18 | 346 |
| LATHAM | 1010 | 53.3 | 37.1 | 69.4 | 9–17 | 2.3 | 39 | 2660 | 35 | 18 | 343 |
| PRECISE AG SRVS | PAS288 | 53.3 | 41.4 | 65.1 | 9–14 | 2.1 | 40 | 2910 | 35 | 18 | 343 |

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# Northeast Late Maturing Variety Test
# Dixon and Sherman Counties – 1991. Page 2.

| | | Average | Dixon | Sherman | 1991 Average | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
| DAHLGREN | DS–3285 | 52.7 | 40.8 | 64.5 | 9–15 | 2.1 | 39 | 2840 | 36 | 18 | 344 |
| HORIZON | 21 | 52.7 | 41.2 | 64.2 | 9–16 | 2.4 | 40 | 2710 | 35 | 18 | 342 |
| HY–VIGOR | 6260 | 52.6 | 42.0 | 63.2 | 9–12 | 1.8 | 40 | 2870 | 36 | 18 | 341 |
| HOEGEMEYER | 205 | 52.6 | 40.3 | 64.8 | 9–15 | 2.3 | 39 | 2940 | 35 | 18 | 341 |
| KRUGER | K2827 | 52.6 | 36.7 | 68.5 | 9–16 | 2.1 | 43 | 2800 | 36 | 18 | 342 |
| FUNK'S G BRAND | 3311 | 52.6 | 38.8 | 66.4 | 9–17 | 1.3 | 35 | 3010 | 36 | 18 | 342 |
| STAR | EXP9127 | 52.5 | 41.3 | 63.7 | 9–13 | 1.6 | 36 | 2730 | 35 | 19 | 342 |
| ASGROW | A2872 | 52.4 | 38.7 | 66.1 | 9–18 | 1.3 | 35 | 2840 | 36 | 18 | 340 |
| NORTHRUP KING | S 29–39 | 52.4 | 41.4 | 63.3 | 9–18 | 2.0 | 38 | 2940 | 35 | 18 | 336 |
| HYPERFORMER | HS 279 | 52.2 | 43.3 | 61.0 | 9–16 | 1.4 | 42 | 3010 | 35 | 19 | 336 |
| HOEGEMEYER | 262 | 52.2 | 38.4 | 66.0 | 9–16 | 1.2 | 34 | 2660 | 35 | 18 | 337 |
| LATHAM | 1080 | 52.1 | 36.8 | 67.4 | 9–16 | 2.3 | 40 | 2790 | 36 | 18 | 336 |
| LATHAM | 1070 | 51.9 | 38.5 | 65.3 | 9–18 | 3.0 | 44 | 2500 | 35 | 18 | 336 |
| DEKALB Plant Gen | CX291 | 51.9 | 40.4 | 63.3 | 9–17 | 2.3 | 42 | 2900 | 35 | 19 | 338 |
| ASGROW | A2543 | 51.8 | 36.9 | 66.7 | 9–13 | 1.1 | 29 | 2720 | 36 | 18 | 338 |
| SANDS | SOI299 | 51.8 | 39.1 | 64.5 | 9–14 | 1.3 | 35 | 2910 | 36 | 18 | 339 |
| MERSHMAN | SHAWNEE IV | 51.8 | 38.1 | 65.4 | 9–15 | 1.2 | 33 | 2850 | 36 | 18 | 336 |
| ----- | U86–62062 | 51.2 | 39.2 | 63.2 | 9–22 | 1.2 | 29 | 2530 | 38 | 17 | 336 |
| ----- | KENWOOD | 50.9 | 41.8 | 60.0 | 9–14 | 2.5 | 38 | 3010 | 35 | 18 | 330 |
| OHLDE | EX310 | 50.8 | 39.2 | 62.3 | 9–21 | 2.6 | 41 | 3040 | 36 | 17 | 328 |
| HORIZON | 2990 | 50.8 | 37.6 | 63.9 | 9–17 | 2.8 | 37 | 2700 | 35 | 18 | 326 |
| SANDS | SOI298 | 50.7 | 38.9 | 62.4 | 9–14 | 1.3 | 34 | 2890 | 36 | 18 | 330 |
| LATHAM | 920 | 50.6 | 37.6 | 63.6 | 9–16 | 1.7 | 34 | 2850 | 37 | 18 | 336 |

Continued on page 3.

# Northeast Late Maturing Variety Test
# Dixon and Sherman Counties – 1991. Page 3.

| | | Average | Dixon | Sherman | 1991 Average | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
| TERRA | EXP.299 | 50.5 | 35.7 | 65.2 | 9–18 | 1.3 | 36 | 3020 | 36 | 17 | 328 |
| SEXAUER | SX–2090 | 50.3 | 40.5 | 60.1 | 9–16 | 2.5 | 44 | 2920 | 35 | 18 | 325 |
| JACOBSEN | J910 | 50.2 | 36.4 | 64.0 | 9–16 | 1.2 | 37 | 2940 | 36 | 18 | 327 |
| OHLDE | 2929 | 50.0 | 39.2 | 60.7 | 9–16 | 1.5 | 37 | 2950 | 36 | 18 | 325 |
| ----- | BURLISON | 50.0 | 39.7 | 60.3 | 9–17 | 1.5 | 35 | 2480 | 37 | 18 | 329 |
| JACOBSEN | J972 | 49.7 | 37.0 | 62.4 | 9–17 | 2.5 | 41 | 2770 | 35 | 18 | 316 |
| DYNA–GRO | 3233 | 49.5 | 40.1 | 58.9 | 9–14 | 1.3 | 42 | 3100 | 35 | 19 | 324 |
| GOLDEN HARVEST | H–1308 | 49.3 | 37.7 | 60.9 | 9–18 | 1.9 | 39 | 2830 | 35 | 18 | 315 |
| DYNA–GRO | 3230 | 49.2 | 36.9 | 61.5 | 9–13 | 1.4 | 40 | 2870 | 36 | 19 | 322 |
| ----- | CHAPMAN | 49.2 | 34.8 | 63.5 | 9–15 | 1.4 | 38 | 2700 | 36 | 18 | 320 |
| WILSON | 3165 | 48.5 | 35.0 | 62.0 | 9–17 | 2.1 | 40 | 2760 | 35 | 17 | 306 |
| PIONEER | 9301 | 47.8 | 33.9 | 61.6 | 9–19 | 2.4 | 43 | 2940 | 35 | 18 | 306 |
| FONTANELLE | 4601 | 47.5 | 34.0 | 61.0 | 9–15 | 2.3 | 36 | 3320 | 36 | 17 | 306 |
| HY–VIGOR | HYLANDER | 47.5 | 36.3 | 58.7 | 9–19 | 3.1 | 45 | 2770 | 36 | 17 | 303 |
| HY–VIGOR | EX:699 | 46.2 | 30.8 | 61.5 | 9–20 | 1.7 | 39 | 2840 | 37 | 17 | 299 |
| PIONEER | 9311 | 46.1 | 34.6 | 57.6 | 9–19 | 2.2 | 38 | 2900 | 36 | 17 | 301 |
| ----- | PELLA 86 | 45.8 | 34.5 | 57.0 | 9–16 | 1.6 | 39 | 2470 | 36 | 18 | 298 |
| ----- | FREMONT | 45.4 | 38.4 | 52.3 | 9–16 | 1.5 | 40 | 2730 | 36 | 18 | 297 |
| AVERAGE ALL ENTRIES | | 51.8 | 39.7 | 64.8 | 9–16 | 1.8 | 38 | 2826 | 36 | 18 | 332 |
| DIF REQ FOR SIG | 5% | 5.5 | 5.0 | 7.7 | 2 | NS | 3.0 | 290 | 0.6 | 0.6 | 44 |
| | 25% | 3.2 | 2.9 | 4.5 | 1 | NS | 1.8 | 170 | 0.3 | 0.3 | 26 |

# Northeast Late Maturing Soybean Tests. 1987 – 1991.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 2–year average | | | | | |
| CARGILL | C–277 | 45.2 | 9–16 | 1.2 | 37 | 3070 | 34.8 | 18.5 | 290 |
| KRUGER | K2995 | 44.9 | 9–16 | 1.8 | 35 | 3030 | 35.5 | 18.3 | 292 |
| DEKALB Plant Gen | CX259 | 44.9 | 9–14 | 1.4 | 32 | 2800 | 35.6 | 18.2 | 291 |
| OHLDE | 3000 | 44.8 | 9–19 | 1.5 | 35 | 2950 | 35.0 | 17.7 | 285 |
| STAR | EXP9027 | 44.3 | 9–16 | 1.0 | 37 | 2970 | 34.8 | 18.7 | 287 |
| FONTANELLE | MSR2511 | 44.3 | 9–15 | 1.5 | 33 | 3140 | 35.3 | 17.9 | 285 |
| TERRA | SPRINT | 43.9 | 9–16 | 1.8 | 36 | 3160 | 35.6 | 18.1 | 285 |
| SEXAUER | SX–2090 | 43.6 | 9–16 | 1.8 | 41 | 3180 | 35.6 | 17.9 | 282 |
| LATHAM | 1010 | 43.1 | 9–16 | 1.7 | 35 | 2990 | 35.5 | 17.9 | 278 |
| HOEGEMEYER | 205 | 42.5 | 9–15 | 1.7 | 35 | 3160 | 35.8 | 18.4 | 278 |
| LATHAM | 1070 | 42.3 | 9–18 | 2.0 | 38 | 2950 | 36.0 | 17.7 | 275 |
| KAUP SEED | KS 3945 | 42.2 | 9–19 | 1.7 | 35 | 3010 | 35.3 | 17.7 | 270 |
| SANDS | SOI 299 | 41.8 | 9–15 | 1.2 | 30 | 3140 | 36.4 | 17.4 | 273 |
| ----- | KENWOOD | 41.4 | 9–14 | 1.9 | 34 | 3250 | 35.5 | 18.3 | 269 |
| OHLDE | 2929 | 40.4 | 9–16 | 1.3 | 32 | 3180 | 35.9 | 17.6 | 262 |
| ----- | BURLISON | 40.2 | 9–17 | 1.3 | 31 | 2790 | 37.1 | 17.3 | 264 |
| LATHAM | 1080 | 40.1 | 9–17 | 1.7 | 35 | 3030 | 35.6 | 17.6 | 258 |
| GOLDEN HARVEST | H–1308 | 40.1 | 9–18 | 1.4 | 35 | 3010 | 35.1 | 17.7 | 256 |
| JACOBSEN | J972 | 39.8 | 9–18 | 1.8 | 38 | 2990 | 35.2 | 17.3 | 252 |
| LATHAM | 920 | 39.6 | 9–17 | 1.3 | 29 | 3260 | 36.7 | 17.3 | 260 |
| WILSON | 3165 | 39.4 | 9–17 | 1.6 | 35 | 3000 | 35.4 | 16.9 | 248 |
| PIONEER | 9301 | 39.1 | 9–18 | 1.7 | 39 | 3170 | 35.4 | 18.2 | 253 |
| ----- | CHAPMAN | 38.8 | 9–16 | 1.2 | 33 | 2790 | 36.1 | 17.9 | 253 |
| ----- | PELLA 86 | 36.6 | 9–16 | 1.3 | 34 | 2680 | 35.9 | 17.8 | 238 |
| Average all entries | | 42.0 | 9–16 | 1.5 | 35 | 3030 | 35.6 | 17.8 | 270 |
| Dif. Req. for Sig. 5% | | 1.8 | 0.9 | NS | 1 | 110 | 0.4 | 0.3 | 12 |
| 25% | | 1.0 | 0.5 | NS | 1 | 60 | 0.2 | 0.2 | 7 |
| | | | | 3–Year average | | | | | |
| OHLDE | 3000 | 40.1 | 9–22 | 1.5 | 30 | 2750 | 35.0 | 18.1 | 256 |
| KAUP SEED | KS 3945 | 39.7 | 9–21 | 1.7 | 30 | 2730 | 35.6 | 17.9 | 257 |
| LATHAM | 1010 | 38.9 | 9–19 | 1.7 | 30 | 2840 | 35.4 | 18.3 | 252 |
| TERRA | SPRINT | 38.8 | 9–20 | 1.8 | 30 | 2930 | 35.6 | 18.4 | 253 |
| SEXAUER | SX–2090 | 37.7 | 9–17 | 1.8 | 35 | 3010 | 35.6 | 18.3 | 245 |
| SANDS | SOI 299 | 37.5 | 9–18 | 1.2 | 26 | 2910 | 36.4 | 17.8 | 247 |
| WILSON | 3165 | 37.4 | 9–20 | 1.6 | 30 | 2750 | 35.5 | 17.6 | 239 |
| ----- | KENWOOD | 37.1 | 9–17 | 1.9 | 29 | 3110 | 35.0 | 18.7 | 241 |

Continued on page 2.

# Northeast Late Maturing Soybean Tests. 1987 – 1991. Page 2.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 3–year average (Continued) | | | | | |
| LATHAM | 1070 | 36.7 | 9–20 | 2.0 | 32 | 2730 | 36.2 | 18.0 | 240 |
| HOEGEMEYER | 205 | 36.6 | 9–19 | 1.7 | 30 | 2930 | 35.5 | 18.7 | 240 |
| LATHAM | 920 | 35.9 | 9–20 | 1.3 | 25 | 3050 | 36.2 | 17.9 | 236 |
| ----- | PELLA 86 | 33.9 | 9–20 | 1.3 | 29 | 2470 | 35.6 | 18.5 | 221 |
| Average all entries | | 37.5 | 9–19 | 1.6 | 30 | 2850 | 35.6 | 18.2 | 244 |
| Dif. Req. for Sig. 5% | | NS | 1.0 | NS | 1 | 90 | NS | 0.3 | NS |
| 25% | | NS | 0.5 | NS | 1 | 50 | 0.2 | 0.2 | NS |
| | | | | 4–Year average | | | | | |
| OHLDE | 3000 | 39.9 | 9–23 | 1.3 | 30 | 2780 | 34.3 | 18.6 | 254 |
| TERRA | SPRINT | 38.7 | 9–20 | 1.5 | 30 | 2990 | 35.0 | 18.8 | 251 |
| LATHAM | 1010 | 38.3 | 9–19 | 1.4 | 29 | 2900 | 34.8 | 18.8 | 247 |
| WILSON | 3165 | 37.6 | 9–21 | 1.4 | 31 | 2800 | 34.8 | 18.1 | 240 |
| HOEGEMEYER | 205 | 37.2 | 9–19 | 1.4 | 30 | 2950 | 34.9 | 19.1 | 242 |
| LATHAM | 920 | 35.8 | 9–20 | 1.2 | 26 | 3110 | 35.7 | 18.3 | 234 |
| ----- | PELLA 86 | 34.0 | 9–21 | 1.2 | 30 | 2520 | 34.9 | 18.9 | 221 |
| Average all entries | | 37.4 | 9–20 | 1.3 | 29 | 2860 | 34.9 | 18.7 | 241 |
| Dif. Req. for Sig. 5% | | 1.7 | 0.7 | NS | 1 | 60 | 0.3 | 0.3 | NS |
| 25% | | 0.9 | 0.4 | NS | 1 | 30 | 0.2 | 0.2 | 7 |
| | | | | 5–Year average | | | | | |
| TERRA | SPRINT | 41.9 | 9–22 | 1.4 | 32 | 2990 | 35.0 | 18.8 | 251 |
| LATHAM | 1010 | 41.6 | 9–22 | 1.4 | 31 | 2900 | 34.8 | 18.8 | 247 |
| HOEGEMEYER | 205 | 41.1 | 9–22 | 1.3 | 32 | 2950 | 34.9 | 19.1 | 242 |
| LATHAM | 920 | 41.0 | 9–22 | 1.2 | 28 | 3110 | 35.7 | 18.3 | 234 |
| ----- | PELLA 86 | 38.7 | 9–24 | 1.2 | 31 | 2520 | 34.9 | 18.9 | 221 |
| Average all entries | | 40.9 | 9–22 | 1.3 | 31 | 2890 | 35.1 | 18.8 | 239 |
| Dif. Req. for Sig. 5% | | NS | 0.7 | NS | 1 | 60 | 0.3 | 0.2 | NS |
| 25% | | NS | 0.4 | NS | 1 | 30 | 0.2 | 0.1 | 5 |

# East Central Early Maturing Soybean Test
# Cass, Clay, and Furnas Counties – 1991.

| BRAND | VARIETY | Average YIELD BU/A | Cass YIELD BU/A | Clay YIELD BU/A | Furnas YIELD BU/A | 1991 Average MATURE DATE[1] | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE SOY | 277A | 62.4 | 60.6 | 68.6 | 57.9 | 9–19 | 13.0 | 37 | 2500 | 58 | 35 | 19 | 402 |
| TERRA | EXP.299 | 61.8 | 58.5 | 71.5 | 55.5 | 9–20 | 13.5 | 36 | 2720 | 58 | 35 | 19 | 399 |
| KRUGER | K303 | 60.7 | 55.8 | 70.6 | 55.8 | 9–21 | 12.5 | 37 | 2510 | 58 | 34 | 19 | 385 |
| ARROW SEED | AS2090 | 60.5 | 61.3 | 63.7 | 56.5 | 9–19 | 7.2 | 38 | 2490 | 57 | 34 | 20 | 391 |
| CARGILL | C–325 | 60.4 | 54.4 | 66.7 | 60.2 | 9–20 | 10.5 | 38 | 2430 | 58 | 34 | 19 | 379 |
| SANDS | SOI 301 | 59.7 | 55.7 | 70.0 | 53.5 | 9–21 | 15.5 | 35 | 2400 | 57 | 35 | 18 | 386 |
| WILSON | 2470 | 59.7 | 60.7 | 65.2 | 53.2 | 9–19 | 8.9 | 36 | 2510 | 57 | 34 | 19 | 386 |
| KRUGER | K2790 | 59.7 | 60.0 | 68.3 | 50.8 | 9–20 | 6.8 | 39 | 2440 | 58 | 34 | 19 | 386 |
| SEXAUER | SX–2785 | 59.6 | 58.0 | 66.7 | 54.1 | 9–19 | 8.9 | 36 | 2540 | 57 | 34 | 20 | 381 |
| LATHAM | 1080 | 59.4 | 54.2 | 70.5 | 53.4 | 9–20 | 14.5 | 38 | 2460 | 58 | 34 | 19 | 383 |
| HOEGEMEYER | 205 | 59.2 | 52.4 | 68.9 | 56.2 | 9–20 | 16.8 | 40 | 2570 | 58 | 34 | 19 | 382 |
| KAUP SEED | KS 2690 | 59.2 | 52.8 | 71.0 | 53.9 | 9–19 | 21.8 | 38 | 2670 | 58 | 35 | 19 | 384 |
| KRUGER | K2929 | 59.2 | 58.4 | 71.8 | 47.5 | 9–19 | 10.5 | 35 | 2300 | 58 | 34 | 19 | 381 |
| FONTANELLE | ROYAL II | 59.1 | 52.2 | 71.2 | 53.8 | 9–19 | 14.5 | 37 | 2630 | 58 | 35 | 19 | 384 |
| ASGROW | A2396 | 59.0 | 57.1 | 68.1 | 51.9 | 9–16 | 11.8 | 36 | 2530 | 58 | 34 | 19 | 379 |
| HYPERFORMER | HSC 317 | 59.0 | 57.5 | 68.5 | 51.1 | 9–20 | 8.5 | 38 | 2660 | 57 | 34 | 19 | 381 |
| GOLDEN HARVEST | H–1271 | 58.7 | 58.1 | 64.4 | 53.5 | 9–20 | 8.9 | 37 | 2560 | 57 | 34 | 20 | 376 |
| TERRA | SPRINT | 58.6 | 51.3 | 71.5 | 52.9 | 9–20 | 18.0 | 38 | 2620 | 58 | 34 | 19 | 378 |
| DE SOY | 266 | 58.4 | 56.9 | 66.9 | 51.3 | 9–18 | 10.5 | 38 | 2800 | 59 | 34 | 19 | 371 |
| STAR | EXP9031 | 58.2 | 54.3 | 65.5 | 54.7 | 9–20 | 15.6 | 40 | 2350 | 59 | 35 | 19 | 374 |
| DYNA–GRO | 3290 | 58.2 | 53.4 | 63.4 | 57.8 | 9–17 | 15.5 | 37 | 2680 | 59 | 34 | 19 | 375 |
| JACOBSEN | J897 | 58.0 | 59.7 | 61.9 | 52.5 | 9–20 | 10.5 | 39 | 2530 | 58 | 34 | 20 | 371 |
| ----- | HAMILTON | 57.9 | 55.4 | 67.9 | 50.5 | 9–21 | 16.8 | 39 | 2410 | 56 | 34 | 19 | 372 |

Continued on page 2.

# East Central Early Maturing Soybean Test
# Cass, Clay, and Furnas Counties – 1991. Page 2.

| | | Average | Cass | Clay | Furnas | 1991 Average | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE[1] | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
| DE SOY | 272 | 57.8 | 53.0 | 71.7 | 48.8 | 9–17 | 10.5 | 29 | 2540 | 58 | 34 | 19 | 368 |
| FONTANELLE | 4601 | 57.7 | 52.0 | 69.4 | 51.8 | 9–19 | 12.7 | 37 | 2720 | 59 | 35 | 19 | 372 |
| NORTHRUP KING | S 25–15 | 57.6 | 53.6 | 68.9 | 50.2 | 9–16 | 8.5 | 35 | 2520 | 59 | 35 | 19 | 374 |
| MERSHMAN | SHAWNEE IV | 57.5 | 54.1 | 65.1 | 53.4 | 9–18 | 8.0 | 33 | 2360 | 60 | 35 | 18 | 373 |
| DAHLGREN | DS–3285 | 57.3 | 52.4 | 69.4 | 50.1 | 9–19 | 14.5 | 38 | 2560 | 58 | 34 | 19 | 369 |
| FUNK'S G BRAND | 3311 | 57.2 | 53.5 | 62.1 | 56.1 | 9–19 | 8.0 | 34 | 2540 | 58 | 35 | 19 | 374 |
| STAR SEED INC | BUCHANNAN | 57.2 | 53.5 | 63.7 | 54.4 | 9–21 | 13.1 | 36 | 2730 | 59 | 34 | 19 | 369 |
| STINE | 3000 | 57.2 | 53.7 | 68.2 | 49.6 | 9–20 | 12.5 | 39 | 2320 | 58 | 34 | 19 | 365 |
| HOEGEMEYER | 262 | 57.1 | 55.3 | 64.0 | 52.0 | 9–19 | 8.5 | 34 | 2430 | 59 | 35 | 19 | 371 |
| MERSHMAN | CHICKASAW | 57.0 | 56.4 | 64.5 | 50.1 | 9–18 | 8.0 | 35 | 2420 | 58 | 35 | 19 | 369 |
| OHLDE | 2929 | 57.0 | 53.8 | 68.6 | 48.5 | 9–19 | 6.5 | 34 | 2730 | 59 | 35 | 19 | 368 |
| ----- | BURLISON | 56.8 | 52.0 | 69.7 | 48.6 | 9–19 | 11.5 | 36 | 2450 | 58 | 36 | 18 | 371 |
| DEKALB Plant Gen | CX291 | 56.8 | 51.1 | 68.0 | 51.3 | 9–20 | 16.6 | 43 | 2560 | 58 | 34 | 20 | 365 |
| ----- | CHAPMAN | 56.7 | 52.1 | 70.4 | 47.6 | 9–19 | 9.5 | 37 | 2200 | 58 | 35 | 19 | 370 |
| MIDWEST OILSEEDS | 2170 | 56.6 | 57.4 | 66.8 | 45.5 | 9–19 | 12.2 | 35 | 2450 | 57 | 34 | 20 | 364 |
| MERSHMAN | MOHAWK | 56.4 | 48.5 | 69.1 | 51.7 | 9–17 | 9.5 | 33 | 2540 | 58 | 35 | 19 | 366 |
| DYNA–GRO | 3270 | 56.4 | 50.6 | 66.4 | 52.1 | 9–18 | 7.5 | 35 | 2710 | 59 | 34 | 19 | 363 |
| STAR SEED INC | EXPRESS | 56.4 | 51.4 | 65.3 | 52.4 | 9–22 | 14.9 | 43 | 2620 | 55 | 35 | 19 | 367 |
| ASGROW | A2543 | 56.0 | 47.4 | 72.8 | 47.8 | 9–15 | 5.5 | 28 | 2410 | 58 | 36 | 18 | 367 |
| DYNA–GRO | 3233 | 56.0 | 50.0 | 63.7 | 54.2 | 9–18 | 10.5 | 40 | 2820 | 58 | 34 | 19 | 360 |
| DAHLGREN | D–3223 | 56.0 | 54.2 | 64.0 | 49.9 | 9–17 | 13.9 | 33 | 2650 | 58 | 34 | 19 | 356 |
| SANDS | SOI 299 | 55.9 | 48.2 | 69.3 | 50.1 | 9–17 | 8.0 | 33 | 2610 | 58 | 35 | 18 | 363 |
| ----- | EDISON | 55.6 | 52.2 | 61.9 | 52.7 | 9–21 | 9.5 | 35 | 2830 | 57 | 34 | 19 | 355 |

Continued on page 3.

# East Central Early Maturing Soybean Test
# Cass, Clay, and Furnas Counties – 1991. Page 3.

| | | Average | Cass | Clay | Furnas | 1991 Average | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE[1] | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
| SEXAUER | SX–2090 | 55.3 | 51.5 | 66.8 | 47.5 | 9–18 | 13.6 | 46 | 2750 | 60 | 34 | 19 | 355 |
| ----- | RESNIK | 55.0 | 47.3 | 65.8 | 52.0 | 9–21 | 9.3 | 37 | 2750 | 58 | 35 | 19 | 357 |
| ----- | CONRAD | 54.9 | 48.1 | 63.7 | 52.8 | 9–17 | 5.5 | 35 | 2580 | 58 | 34 | 19 | 351 |
| ----- | FREMONT | 54.6 | 50.6 | 62.7 | 50.4 | 9–19 | 13.0 | 39 | 2440 | 59 | 34 | 19 | 351 |
| FONTANELLE | 4701 | 54.6 | 57.4 | 60.8 | 45.7 | 9–20 | 7.2 | 37 | 2470 | 57 | 34 | 20 | 352 |
| ----- | U87–63041 | 53.7 | 53.6 | 65.3 | 42.2 | 9–15 | 9.3 | 34 | 2540 | 58 | 35 | 19 | 348 |
| ----- | KENWOOD | 53.4 | 51.1 | 68.8 | 38.8 | 9–18 | 10.7 | 37 | 2680 | 58 | 34 | 19 | 341 |
| ----- | U86–62062 | 53.3 | 50.9 | 59.1 | 49.8 | 9–18 | 10.5 | 27 | 2360 | 58 | 37 | 18 | 352 |
| ----- | HACK | 52.7 | 48.1 | 62.2 | 47.9 | 9–17 | 8.9 | 36 | 2440 | 59 | 34 | 19 | 335 |
| AVERAGE ALL ENTRIES | | 56.8 | 53.7 | 66.9 | 51.3 | 9–18 | 11.7 | 37 | 2554 | 58 | 34 | 19 | 370 |
| DIF REQ FOR SIG | 5% | NS | 4.0 | 7.2 | 7.4 | 2 | NS | 2.4 | 161 | 1.5 | 0.7 | 0.4 | NS |
| | 25% | 3.3 | 2.4 | 4.2 | 4.4 | 1 | NS | 1.4 | 94.3 | 0.9 | 0.4 | 0.2 | 20 |

[1] Maturity Dates were stopped with a frost on Sept. 19.

# East Central Early Maturing Soybean Tests. 1987 – 1991.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2–Year Average | | | | | |
| KRUGER | K2790 | 51.3 | 9–17 | 3.9 | 37 | 2840 | 56.5 | 34.3 | 19.6 | 333 |
| FONTANELLE | ROYAL II | 50.6 | 9–16 | 8.0 | 36 | 3050 | 57.5 | 35.2 | 19.2 | 332 |
| JACOBSEN | J897 | 50.4 | 9–17 | 5.8 | 38 | 2870 | 55.5 | 33.8 | 19.7 | 324 |
| TERRA | SPRINT | 50.0 | 9–17 | 10.0 | 37 | 3040 | 58.0 | 34.9 | 19.2 | 326 |
| SANDS | SOI 301 | 49.9 | 9–17 | 8.4 | 35 | 2830 | 57.0 | 35.2 | 18.0 | 322 |
| HOEGEMEYER | 205 | 49.6 | 9–16 | 9.2 | 38 | 3120 | 57.5 | 34.8 | 19.1 | 322 |
| KAUP SEED | KS 2690 | 49.5 | 9–16 | 11.8 | 37 | 3100 | 56.5 | 35.0 | 19.2 | 323 |
| MIDWEST OILSEEDS | 2170 | 49.4 | 9–16 | 6.9 | 34 | 2810 | 56.0 | 34.6 | 19.6 | 322 |
| OHLDE | 2929 | 49.4 | 9–16 | 3.8 | 34 | 3260 | 58.5 | 35.4 | 18.4 | 320 |
| DEKALB Plant Gen | CX291 | 49.3 | 9–18 | 9.0 | 41 | 2940 | 57.5 | 34.5 | 19.6 | 321 |
| MERSHMAN | SHAWNEE IV | 48.7 | 9–17 | 4.5 | 33 | 2800 | 59.5 | 35.8 | 18.1 | 317 |
| STAR | EXP9031 | 48.6 | 9–17 | 8.6 | 38 | 2750 | 58.5 | 35.0 | 18.3 | 313 |
| ----- | KENWOOD | 47.8 | 9–15 | 6.3 | 37 | 3080 | 57.5 | 34.2 | 18.6 | 305 |
| ----- | CHAPMAN | 47.8 | 9–16 | 5.5 | 37 | 2520 | 58.0 | 35.6 | 19.3 | 316 |
| ----- | U87–63041 | 47.7 | 9–13 | 5.2 | 33 | 2750 | 56.5 | 34.8 | 19.5 | 312 |
| STINE | 3000 | 47.3 | 9–17 | 6.9 | 37 | 2780 | 57.5 | 34.6 | 18.5 | 303 |
| DAHLGREN | D–3223 | 47.2 | 9–14 | 7.5 | 32 | 3200 | 57.0 | 35.3 | 18.3 | 305 |
| SEXAUER | SX–2090 | 47.1 | 9–16 | 7.8 | 44 | 3320 | 59.5 | 35.1 | 18.7 | 306 |
| NORTHRUP KING | S 25–15 | 47.0 | 9–14 | 5.2 | 35 | 2990 | 58.0 | 35.5 | 18.4 | 306 |
| ASGROW | A2543 | 46.8 | 9–13 | 3.3 | 27 | 2700 | 57.0 | 36.7 | 18.1 | 309 |
| ----- | BURLISON | 45.9 | 9–17 | 6.5 | 35 | 2790 | 57.5 | 36.5 | 18.0 | 302 |
| ----- | U86–62062 | 43.9 | 9–17 | 6.3 | 30 | 3020 | 59.0 | 37.5 | 17.4 | 291 |
| Average all entries | | 48.4 | 9–16 | 6.8 | 36 | 2930 | 57.5 | 35.2 | 18.8 | 315 |
| Dif. Req. for Sig. 5% | | NS | 1.2 | NS | 2 | 150 | 0.8 | 0.4 | 0.4 | NS |
| 25% | | 1.1 | 0.7 | NS | 1 | 80 | 0.5 | 0.2 | 0.2 | NS |
| | | | | | 3–Year Average | | | | | |
| SANDS | SOI 301 | 50.9 | 9–20 | 6.3 | 34 | 2830 | 56.7 | 34.3 | 18.6 | 325 |
| STINE | 3000 | 50.5 | 9–19 | 5.4 | 37 | 2660 | 57.3 | 34.1 | 19.1 | 324 |
| KAUP SEED | KS 2690 | 50.2 | 9–18 | 8.6 | 37 | 2940 | 56.7 | 34.5 | 19.6 | 327 |
| HOEGEMEYER | 205 | 50.1 | 9–19 | 6.9 | 37 | 3030 | 57.3 | 34.3 | 19.4 | 324 |

Continued on page 2.

# East Central Early Maturing Soybean Tests. 1987 – 1991. Page 2.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3–Year Average (Continued) | | | | | |
| TERRA | SPRINT | 49.8 | 9–19 | 7.5 | 38 | 2930 | 57.7 | 34.8 | 19.3 | 324 |
| ----- | KENWOOD | 49.4 | 9–16 | 4.9 | 36 | 3120 | 57.3 | 33.4 | 19.4 | 313 |
| SEXAUER | SX–2090 | 47.7 | 9–18 | 6.2 | 44 | 3230 | 59.3 | 34.8 | 19.1 | 310 |
| ----- | BURLISON | 46.7 | 9–19 | 5.0 | 35 | 2700 | 57.3 | 35.9 | 18.4 | 307 |
| ASGROW | A2543 | 45.5 | 9–14 | 2.8 | 27 | 2730 | 57.0 | 36.0 | 18.6 | 300 |
| Average all entries | | 49.0 | 9–18 | 6.0 | 36 | 2910 | 57.4 | 34.7 | 19.0 | 317 |
| Dif. Req. for Sig. 5% | | NS | 1.3 | NS | 1 | 130 | 0.5 | 0.4 | NS | NS |
| 25% | | 1.3 | 0.7 | NS | 1 | 70 | 0.3 | 0.2 | NS | NS |
| | | | | | 4–Year Average | | | | | |
| KAUP SEED | KS 2690 | 47.3 | 9–17 | 6.7 | 38 | 3210 | 57.0 | 34.3 | 19.7 | 308 |
| HOEGEMEYER | 205 | 47.1 | 9–17 | 5.5 | 38 | 3220 | 57.5 | 34.1 | 19.6 | 304 |
| TERRA | SPRINT | 46.0 | 9–19 | 6.0 | 38 | 3200 | 57.8 | 34.5 | 19.5 | 300 |
| SEXAUER | SX–2090 | 45.0 | 9–17 | 4.9 | 44 | 3410 | 59.3 | 34.2 | 19.5 | 291 |
| ----- | BURLISON | 43.8 | 9–17 | 4.0 | 35 | 2840 | 57.3 | 35.6 | 18.7 | 287 |
| Average all entries | | 45.8 | 9–17 | 5.4 | 39 | 3180 | 57.8 | 34.5 | 19.4 | 298 |
| Dif. Req. for Sig. 5% | | 1.0 | NS | NS | 1 | 110 | 0.5 | 0.3 | 0.2 | 7 |
| 25% | | 0.6 | NS | NS | 1 | 60 | 0.3 | 0.2 | 0.1 | 4 |
| | | | | | 5–Year Average | | | | | |
| KAUP SEED | KS 2690 | 47.7 | 9–19 | 5.6 | 37 | 3150 | 57.0 | 34.3 | 19.7 | 308 |
| HOEGEMEYER | 205 | 47.4 | 9–19 | 4.7 | 37 | 3190 | 57.5 | 34.1 | 19.6 | 304 |
| TERRA | SPRINT | 46.1 | 9–20 | 5.1 | 37 | 3170 | 57.8 | 34.5 | 19.5 | 300 |
| SEXAUER | SX–2090 | 45.2 | 9–18 | 4.3 | 44 | 3370 | 59.3 | 34.2 | 19.5 | 291 |
| Average all entries | | 46.6 | 9–19 | 4.9 | 39 | 3220 | 57.9 | 34.3 | 19.6 | 301 |
| Dif. Req. for Sig. 5% | | 0.8 | NS | NS | 1 | 80 | 0.5 | NS | NS | NS |
| 25% | | 0.4 | 0.5 | NS | 1 | 40 | 0.3 | NS | NS | 3 |

# East Central Late Maturing Soybean Tests. Cass, Clay, and Furnas Counties – 1991.

| BRAND | VARIETY | Average YIELD BU/A | Cass YIELD BU/A | Clay YIELD BU/A | Furnas YIELD BU/A | 1991 Average MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOEGEMEYER | 368 | 62.0 | 51.0 | 76.5 | 58.5 | 9–20 | 12.5 | 41 | 2420 | 58 | 34 | 19 | 389 |
| JACOBSEN | J972 | 61.6 | 50.0 | 73.1 | 61.6 | 9–20 | 12.5 | 40 | 2460 | 58 | 34 | 19 | 391 |
| DE SOY | 4040 | 61.4 | 52.4 | 71.3 | 60.5 | 9–23 | 14.7 | 41 | 2800 | 55 | 35 | 19 | 396 |
| DE SOY | 323 | 61.3 | 54.9 | 70.5 | 58.5 | 9–20 | 12.7 | 41 | 2780 | 59 | 35 | 19 | 395 |
| OHLDE | 3000 | 61.2 | 49.5 | 73.2 | 61.0 | 9–20 | 14.5 | 41 | 2560 | 58 | 34 | 19 | 386 |
| KRUGER | K3769 | 61.1 | 53.4 | 73.3 | 56.7 | 9–21 | 14.6 | 36 | 2780 | 57 | 35 | 19 | 395 |
| GOLDEN HARVEST | H–1308 | 61.0 | 50.8 | 74.8 | 57.4 | 9–20 | 15.5 | 42 | 2580 | 57 | 34 | 19 | 384 |
| HYPERFORMER | HSC 355 | 60.9 | 54.2 | 71.9 | 56.7 | 9–21 | 10.5 | 38 | 2990 | 58 | 35 | 20 | 396 |
| SEXAUER | SX–3290 | 60.6 | 49.4 | 75.0 | 57.3 | 9–20 | 14.5 | 41 | 2510 | 57 | 35 | 19 | 382 |
| TERRA | EXP.350 | 60.4 | 51.1 | 73.4 | 56.8 | 9–22 | 16.8 | 40 | 2780 | 57 | 35 | 19 | 387 |
| FONTANELLE | 5319 | 60.3 | 49.6 | 74.0 | 57.2 | 9–20 | 13.6 | 42 | 2480 | 58 | 34 | 19 | 379 |
| PIONEER | 9341 | 60.0 | 52.9 | 70.9 | 56.1 | 9–21 | 10.5 | 39 | 2860 | 58 | 36 | 19 | 389 |
| NORTHRUP KING | S 36–36 | 59.8 | 51.8 | 71.0 | 56.5 | 9–22 | 16.7 | 42 | 2470 | 56 | 36 | 19 | 391 |
| KRUGER | K2827 | 59.6 | 51.0 | 70.8 | 57.1 | 9–20 | 11.5 | 42 | 2710 | 58 | 36 | 19 | 387 |
| MERSHMAN | KENNEDY III | 59.4 | 53.0 | 69.4 | 55.9 | 9–23 | 14.7 | 40 | 2760 | 57 | 35 | 19 | 381 |
| SANDS | SOI306 | 59.4 | 52.4 | 68.5 | 57.2 | 9–23 | 14.8 | 39 | 2790 | 57 | 35 | 19 | 383 |
| NORTHRUP KING | S 29–39 | 59.3 | 53.5 | 74.0 | 50.3 | 9–21 | 8.5 | 35 | 2850 | 58 | 34 | 20 | 376 |
| OHLDE | EX130 | 59.3 | 51.4 | 70.3 | 56.3 | 9–20 | 10.6 | 38 | 2530 | 58 | 35 | 19 | 381 |
| KAUP SEED | KS 3945 | 59.2 | 48.5 | 73.1 | 55.9 | 9–20 | 12.6 | 41 | 2490 | 58 | 34 | 19 | 371 |
| HORIZON | 53 | 58.9 | 51.8 | 69.9 | 54.9 | 9–21 | 13.5 | 39 | 2690 | 58 | 36 | 19 | 383 |
| DE SOY | 3939 | 58.9 | 51.6 | 65.6 | 59.4 | 9–23 | 14.8 | 42 | 2680 | 54 | 36 | 19 | 380 |
| PIONEER | 9381 | 58.8 | 50.0 | 74.4 | 51.9 | 9–22 | 7.7 | 37 | 2900 | 57 | 35 | 20 | 378 |
| OHLDE | EX310 | 58.5 | 53.0 | 69.6 | 53.0 | 9–20 | 18.5 | 41 | 2840 | 57 | 35 | 19 | 377 |
| ----- | HAMILTON | 58.4 | 53.7 | 67.9 | 53.6 | 9–23 | 13.8 | 40 | 2520 | 57 | 35 | 20 | 380 |
| HORIZON | 32 | 58.4 | 55.3 | 64.7 | 55.2 | 9–20 | 24.5 | 41 | 2300 | 57 | 35 | 19 | 375 |
| WILSON | 3165 | 58.3 | 48.5 | 69.6 | 56.8 | 9–20 | 12.5 | 41 | 2470 | 58 | 34 | 19 | 367 |

Continued on page 2.

# East Central Late Maturing Soybean Tests. Cass, Clay, and Furnas Counties – 1991. Page 2.

| BRAND | VARIETY | Average YIELD BU/A | Cass YIELD BU/A | Clay YIELD BU/A | Furnas YIELD BU/A | 1991 Average MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STAR SEED INC | EXPRESS | 58.0 | 49.3 | 72.6 | 52.0 | 9–23 | 13.8 | 43 | 2810 | 57 | 35 | 19 | 377 |
| STAR | EXP9132 | 57.8 | 52.7 | 70.8 | 49.8 | 9–20 | 10.5 | 38 | 2960 | 58 | 35 | 19 | 377 |
| DIAMOND BRAND | SC304 | 57.5 | 52.1 | 66.7 | 53.7 | 9–20 | 13.5 | 40 | 2410 | 58 | 35 | 19 | 369 |
| HOEGEMEYER | 387 | 57.3 | 48.7 | 68.2 | 54.9 | 9–22 | 16.7 | 46 | 2930 | 57 | 35 | 19 | 368 |
| ----- | DUNBAR | 57.3 | 52.4 | 70.5 | 49.1 | 9–20 | 9.5 | 39 | 2850 | 60 | 36 | 19 | 374 |
| SANDS | SOI394 | 57.0 | 50.5 | 67.5 | 53.1 | 9–20 | 11.6 | 41 | 2510 | 58 | 34 | 19 | 361 |
| ASGROW | A3322 | 56.8 | 49.1 | 65.0 | 56.2 | 9–21 | 13.5 | 37 | 2710 | 57 | 36 | 19 | 367 |
| KRUGER | K2562 | 56.6 | 52.3 | 70.1 | 47.4 | 9–19 | 10.5 | 38 | 2590 | 58 | 33 | 20 | 362 |
| TERRA | CYCLE | 56.3 | 49.5 | 65.4 | 53.9 | 9–21 | 12.5 | 42 | 2630 | 58 | 35 | 19 | 365 |
| STAR SEED INC | BUCHANNAN | 55.3 | 50.4 | 64.5 | 51.1 | 9–21 | 11.6 | 37 | 2930 | 58 | 35 | 20 | 359 |
| SEXAUER | SX–3050 | 55.3 | 51.6 | 65.9 | 48.5 | 9–21 | 15.5 | 38 | 3020 | 60 | 35 | 19 | 355 |
| DEKALB Plant Gen | CX326 | 55.0 | 48.3 | 65.8 | 51.0 | 9–21 | 8.5 | 38 | 2980 | 59 | 34 | 20 | 355 |
| MERSHMAN | GARFIELD | 54.9 | 49.0 | 62.0 | 53.7 | 9–21 | 10.6 | 43 | 2990 | 58 | 35 | 19 | 352 |
| ASGROW | A3242 | 54.8 | 50.6 | 65.0 | 48.7 | 9–21 | 15.7 | 42 | 2810 | 56 | 35 | 19 | 355 |
| ----- | BURLISON | 54.5 | 48.3 | 65.7 | 49.6 | 9–19 | 9.5 | 36 | 2490 | 58 | 37 | 18 | 359 |
| ----- | PELLA 86 | 54.3 | 51.1 | 60.9 | 50.8 | 9–21 | 9.6 | 41 | 2120 | 58 | 35 | 19 | 352 |
| ----- | EDISON | 54.2 | 49.7 | 64.8 | 48.2 | 9–21 | 7.5 | 37 | 2970 | 57 | 35 | 19 | 349 |
| ----- | RESNIK | 53.7 | 48.8 | 66.3 | 46.7 | 9–21 | 9.9 | 38 | 2800 | 58 | 36 | 19 | 351 |
| ----- | FREMONT | 53.1 | 48.2 | 61.0 | 50.1 | 9–20 | 8.0 | 41 | 2480 | 58 | 35 | 20 | 346 |
| DYNA–GRO | 3340 | 52.1 | 50.7 | 58.0 | 47.7 | 9–22 | 9.6 | 41 | 2970 | 57 | 36 | 19 | 341 |
| FONTANELLE | 5850C | 49.6 | 49.5 | 59.1 | 40.1 | 9–21 | 10.6 | 40 | 2590 | 57 | 36 | 19 | 321 |
| ----- | HOBBIT 87 | 47.1 | 46.2 | 58.0 | 37.0 | 9–21 | 1.0 | 21 | 2640 | 58 | 34 | 20 | 305 |
| AVERAGE ALL ENTRIES | | 57.1 | 50.7 | 68.4 | 53.3 | 9–21 | 13.7 | 39 | 2695 | 57.5 | 35 | 19 | 372 |
| DIF REQ FOR SIG | 5% | 5.0 | 4.1 | 8.0 | 5.6 | NS | NS | 2.6 | 180 | NS | 0.6 | 0.3 | 33 |
| | 25% | 2.9 | 2.4 | 4.7 | 3.3 | NS | NS | 1.5 | 105 | 1.4 | 0.4 | 0.2 | 19 |

# East Central Late Maturing Soybean Tests. 1987 – 1991.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 2–Year Average | | | | | | |
| KRUGER | K2562 | 50.5 | 9–16 | 6.2 | 37 | 2790 | 57.0 | 33.7 | 19.5 | 322 |
| JACOBSEN | J972 | 50.3 | 9–19 | 7.0 | 38 | 2950 | 58.0 | 34.0 | 18.5 | 316 |
| HOEGEMEYER | 368 | 50.2 | 9–19 | 7.2 | 39 | 2980 | 58.0 | 34.4 | 18.1 | 314 |
| GOLDEN HARVEST | H–1308 | 49.9 | 9–18 | 8.7 | 39 | 2980 | 57.5 | 33.8 | 18.5 | 312 |
| FONTANELLE | 5319 | 49.4 | 9–19 | 7.8 | 40 | 3020 | 58.0 | 33.9 | 18.4 | 308 |
| WILSON | 3165 | 48.7 | 9–19 | 7.2 | 39 | 2980 | 57.5 | 34.0 | 18.5 | 304 |
| DE SOY | 323 | 48.4 | 9–19 | 6.9 | 38 | 3360 | 59.0 | 35.7 | 17.8 | 311 |
| ----- | HAMILTON | 47.8 | 9–23 | 8.1 | 39 | 3090 | 57.5 | 35.3 | 18.9 | 310 |
| NORTHRUP KING | S 36–36 | 47.4 | 9–23 | 9.1 | 39 | 3070 | 57.0 | 36.3 | 18.0 | 309 |
| SANDS | SOI 394 | 47.4 | 9–19 | 6.7 | 39 | 3040 | 58.0 | 34.0 | 18.7 | 298 |
| PIONEER | 9341 | 47.3 | 9–21 | 5.8 | 37 | 3440 | 58.5 | 35.8 | 17.9 | 304 |
| SANDS | SOI 306 | 46.8 | 9–23 | 7.9 | 37 | 3410 | 57.5 | 35.7 | 17.6 | 300 |
| MERSHMAN | KENNEDY III | 46.7 | 9–23 | 8.1 | 38 | 3500 | 57.5 | 35.9 | 17.6 | 299 |
| ----- | DUNBAR | 46.4 | 9–19 | 5.5 | 37 | 3520 | 59.5 | 36.1 | 18.4 | 303 |
| ----- | PELLA 86 | 45.3 | 9–18 | 5.6 | 39 | 2630 | 57.5 | 35.3 | 18.8 | 293 |
| ASGROW | A3322 | 45.2 | 9–22 | 7.4 | 36 | 3200 | 57.0 | 36.1 | 17.7 | 292 |
| TERRA | CYCLE | 44.8 | 9–22 | 6.9 | 40 | 3220 | 57.5 | 35.7 | 18.3 | 290 |
| ----- | BURLISON | 44.8 | 9–17 | 5.5 | 35 | 2880 | 58.0 | 37.1 | 17.3 | 294 |
| ----- | FREMONT | 44.8 | 9–18 | 4.9 | 39 | 2930 | 57.5 | 35.8 | 18.7 | 292 |
| HOEGEMEYER | 387 | 44.4 | 9–22 | 9.1 | 44 | 3660 | 58.0 | 34.9 | 18.1 | 283 |
| ----- | EDISON | 44.0 | 9–20 | 4.3 | 35 | 3590 | 57.5 | 35.3 | 17.7 | 280 |
| MERSHMAN | GARFIELD | 43.8 | 9–22 | 5.8 | 41 | 3630 | 58.5 | 34.8 | 18.2 | 278 |
| DEKALB Plant Gen | CX326 | 42.6 | 9–19 | 4.9 | 36 | 3760 | 58.5 | 34.6 | 18.3 | 271 |
| SEXAUER | SX–3050 | 42.4 | 9–21 | 8.4 | 36 | 3670 | 59.0 | 35.6 | 17.2 | 270 |
| ----- | RESNIK | 41.9 | 9–19 | 5.6 | 36 | 3520 | 57.5 | 36.0 | 17.7 | 271 |
| ----- | HOBBIT 87 | 41.2 | 9–20 | 1.2 | 26 | 3230 | 58.0 | 34.5 | 19.0 | 264 |
| Average all entries | | 46.2 | 9–20 | 6.6 | 38 | 3230 | 57.9 | 35.2 | 18.2 | 296 |
| Dif. Req. for Sig. 5% | | 2.8 | 1.6 | NS | 2 | 180 | NS | 0.4 | 0.5 | NS |
| 25% | | 1.6 | 0.9 | NS | 1 | 100 | 0.5 | 0.2 | 0.3 | 11 |
| | | | | 3–Year Average | | | | | | |
| HOEGEMEYER | 368 | 52.1 | 9–21 | 5.8 | 38 | 2880 | 58.0 | 33.7 | 18.6 | 326 |
| JACOBSEN | J972 | 51.5 | 9–21 | 5.4 | 37 | 2900 | 58.0 | 33.4 | 19.0 | 323 |
| FONTANELLE | 5319 | 50.6 | 9–21 | 6.0 | 38 | 2890 | 57.7 | 32.8 | 18.9 | 312 |
| GOLDEN HARVEST | H–1308 | 50.2 | 9–20 | 6.4 | 38 | 2890 | 57.7 | 33.4 | 19.0 | 314 |
| SANDS | SOI 394 | 50.0 | 9–21 | 5.3 | 38 | 2950 | 57.7 | 33.1 | 19.0 | 310 |
| SANDS | SOI 306 | 49.5 | 9–25 | 6.1 | 36 | 3220 | 57.3 | 35.0 | 18.2 | 317 |

Continued on page 2.

# East Central Late Maturing Soybean Tests. 1987 – 1991. Page 2.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 3–Year Average (Continued) | | | | | | |
| WILSON | 3165 | 49.3 | 9–20 | 5.4 | 37 | 2930 | 57.3 | 33.8 | 18.9 | 310 |
| MERSHMAN | KENNEDY III | 48.7 | 9–25 | 6.1 | 36 | 3290 | 57.3 | 34.7 | 18.0 | 307 |
| NORTHRUP KING | S 36–36 | 47.8 | 9–25 | 6.8 | 37 | 2910 | 57.0 | 36.2 | 18.3 | 314 |
| ASGROW | A3322 | 47.4 | 9–24 | 5.6 | 34 | 3030 | 57.0 | 34.8 | 18.3 | 301 |
| TERRA | CYCLE | 47.0 | 9–24 | 5.6 | 39 | 3030 | 57.7 | 35.4 | 18.7 | 306 |
| ----- | PELLA 86 | 46.4 | 9–20 | 4.4 | 37 | 2520 | 57.3 | 34.9 | 19.2 | 302 |
| ----- | FREMONT | 45.4 | 9–20 | 4.1 | 38 | 2890 | 57.7 | 35.0 | 19.2 | 295 |
| DEKALB Plant Gen | CX326 | 44.3 | 9–21 | 3.9 | 36 | 3630 | 58.3 | 34.3 | 18.8 | 284 |
| ----- | RESNIK | 44.0 | 9–22 | 4.4 | 34 | 3350 | 57.3 | 35.1 | 18.3 | 283 |
| ----- | HOBBIT 87 | 43.6 | 9–20 | 1.4 | 25 | 3180 | 57.7 | 33.2 | 19.5 | 275 |
| Average all entries | | 48.0 | 9–22 | 5.2 | 36 | 3030 | 57.6 | 34.3 | 18.7 | 305 |
| Dif. Req. for Sig. 5% | | 1.8 | 1.2 | NS | 2 | 120 | NS | 0.6 | 0.3 | 12 |
| 25% | | 1.1 | 0.7 | NS | 1 | 70 | NS | 0.4 | 0.2 | 7 |
| | | | | 4–Year Average | | | | | | |
| HOEGEMEYER | 368 | 48.6 | 9–20 | 4.8 | 38 | 3010 | 57.8 | 33.3 | 19.1 | 304 |
| JACOBSEN | J972 | 48.1 | 9–20 | 4.5 | 37 | 3030 | 57.8 | 33.0 | 19.2 | 301 |
| GOLDEN HARVEST | H–1308 | 47.5 | 9–20 | 5.2 | 38 | 3000 | 57.5 | 32.9 | 19.4 | 298 |
| TERRA | CYCLE | 43.9 | 9–23 | 4.5 | 39 | 3100 | 57.5 | 34.8 | 19.1 | 285 |
| ----- | PELLA 86 | 43.3 | 9–19 | 3.5 | 37 | 2650 | 57.3 | 34.4 | 19.4 | 280 |
| ----- | FREMONT | 42.7 | 9–19 | 3.3 | 38 | 3060 | 57.8 | 34.5 | 19.5 | 277 |
| DEKALB Plant Gen | CX326 | 42.3 | 9–20 | 3.2 | 35 | 3730 | 58.5 | 33.5 | 19.4 | 269 |
| ----- | RESNIK | 41.9 | 9–21 | 3.6 | 35 | 3460 | 57.5 | 34.8 | 18.6 | 269 |
| ----- | HOBBIT 87 | 41.7 | 9–20 | 1.3 | 24 | 3220 | 57.8 | 32.8 | 19.9 | 262 |
| Average all entries | | 44.4 | 9–20 | 3.8 | 36 | 3140 | 57.7 | 33.8 | 19.3 | 283 |
| Dif. Req. for Sig. 5% | | 1.7 | 1.2 | NS | 2 | 110 | NS | 0.4 | 0.3 | 11 |
| 25% | | 1.0 | 0.7 | NS | 1 | 60 | 0.2 | 0.2 | 0.1 | 6 |
| | | | | 5–Year Average | | | | | | |
| HOEGEMEYER | 368 | 50.1 | 9–22 | 4.1 | 38 | 2960 | 57.8 | 33.3 | 19.1 | 304 |
| JACOBSEN | J972 | 49.5 | 9–22 | 3.8 | 37 | 2980 | 57.8 | 33.0 | 19.2 | 301 |
| ----- | PELLA 86 | 44.4 | 9–22 | 3.1 | 37 | 2610 | 57.3 | 34.4 | 19.4 | 280 |
| ----- | HOBBIT 87 | 44.4 | 9–24 | 1.3 | 24 | 3140 | 57.8 | 32.8 | 19.9 | 262 |
| ----- | FREMONT | 44.0 | 9–21 | 2.9 | 37 | 3010 | 57.8 | 34.5 | 19.5 | 277 |
| Average all entries | | 46.5 | 9–22 | 3.0 | 35 | 2940 | 57.7 | 33.6 | 19.4 | 285 |
| Dif. Req. for Sig. 5% | | 1.7 | NS | NS | 2 | 70 | NS | 0.4 | 0.2 | 11 |
| 25% | | 1.0 | NS | NS | 1 | 40 | NS | 2.0 | 0.1 | 6 |

# Southeast Early Maturing Soybean Tests. Richardson and Nuckolls Counties – 1991.

| | | Average | Richardsc | Nuckolls | 1991 Average | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE [1] | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
| KRUGER | K3769 | 72.2 | 72.6 | 71.8 | 9–20 | 2.5 | 40 | 2710 | 57 | 35 | 18 | 466 |
| KRUGER | K4040 | 70.2 | 70.8 | 69.6 | 9–20 | 2.7 | 44 | 2550 | 57 | 34 | 19 | 449 |
| SEXAUER | SX–3290 | 69.4 | 64.6 | 74.1 | 9–20 | 3.1 | 45 | 2540 | 58 | 34 | 18 | 436 |
| HYPERFORMER | HSC 317 | 69.2 | 69.7 | 68.6 | 9–19 | 2.2 | 40 | 2840 | 57 | 35 | 18 | 449 |
| DYNA–GRO | UAPX71 | 68.9 | 67.2 | 70.5 | 9–20 | 2.2 | 35 | 2920 | 58 | 34 | 19 | 440 |
| NORTHRUP KING | S 29–39 | 68.0 | 63.2 | 72.7 | 9–20 | 3.0 | 40 | 2650 | 58 | 34 | 19 | 431 |
| WILSON | 3165 | 67.3 | 64.8 | 69.8 | 9–20 | 2.9 | 43 | 2510 | 58 | 34 | 18 | 421 |
| TERRA | FINALIST | 67.3 | 66.8 | 67.8 | 9–20 | 2.0 | 41 | 2610 | 58 | 35 | 19 | 436 |
| STAR | EXP9135 | 67.2 | 67.8 | 66.5 | 9–20 | 1.9 | 40 | 2800 | 59 | 35 | 19 | 431 |
| GOLDEN HARVEST | H–1308 | 67.1 | 63.2 | 71.0 | 9–20 | 2.8 | 44 | 2550 | 58 | 34 | 18 | 418 |
| ----- | DUNBAR | 66.9 | 68.2 | 65.5 | 9–20 | 2.1 | 42 | 2780 | 60 | 36 | 18 | 436 |
| ASGROW | A2872 | 66.9 | 68.2 | 65.5 | 9–15 | 1.9 | 38 | 2620 | 58 | 35 | 19 | 434 |
| SANDS | SOI394 | 66.3 | 64.8 | 67.7 | 9–20 | 3.1 | 45 | 2530 | 58 | 34 | 18 | 415 |
| STAR SEED INC | BUCHANNAN | 66.3 | 67.6 | 64.9 | 9–20 | 2.0 | 41 | 2810 | 59 | 35 | 18 | 429 |
| HOEGEMEYER | 205 | 66.1 | 66.7 | 65.5 | 9–16 | 3.3 | 42 | 2860 | 58 | 35 | 19 | 430 |
| OHLDE | 3000 | 65.9 | 65.3 | 66.5 | 9–20 | 3.1 | 43 | 2660 | 58 | 34 | 18 | 410 |
| ----- | HOBBIT 87 | 65.6 | 69.5 | 61.6 | 9–20 | 2.0 | 29 | 2460 | 59 | 34 | 19 | 417 |
| ASGROW | A3322 | 65.5 | 65.1 | 65.9 | 9–20 | 2.0 | 38 | 2570 | 58 | 36 | 18 | 425 |
| KRUGER | K3939 | 65.5 | 66.1 | 64.8 | 9–20 | 2.6 | 45 | 2690 | 57 | 35 | 18 | 424 |
| GOLDEN HARVEST | H–1271 | 65.2 | 65.4 | 65.0 | 9–17 | 2.3 | 42 | 2690 | 58 | 34 | 19 | 415 |
| HOEGEMEYER | 368 | 65.2 | 60.8 | 69.5 | 9–20 | 3.2 | 43 | 2570 | 58 | 34 | 18 | 414 |
| TERRA | SPRINT | 64.8 | 61.3 | 68.3 | 9–16 | 3.0 | 41 | 2830 | 58 | 35 | 18 | 417 |
| MERSHMAN | KENNEDY III | 64.0 | 66.3 | 61.7 | 9–20 | 2.6 | 45 | 2720 | 57 | 34 | 18 | 408 |
| ----- | PELLA 86 | 63.9 | 62.5 | 65.3 | 9–19 | 2.0 | 42 | 2440 | 58 | 35 | 18 | 410 |
| ----- | RESNIK | 63.8 | 63.6 | 63.9 | 9–20 | 2.0 | 41 | 2680 | 58 | 35 | 18 | 415 |

Continued on page 2.

# Southeast Early Maturing Soybean Tests.
# Richardson and Nuckolls Counties – 1991. Page 2.

| | | Average | Richardsc | Nuckolls | 1991 Average | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU/A | YIELD BU/A | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
| KAUP SEED | KS 3945 | 63.7 | 58.0 | 69.4 | 9–20 | 2.6 | 41 | 2530 | 58 | 34 | 18 | 398 |
| SANDS | SOI268 | 63.7 | 63.4 | 63.9 | 9–15 | 3.1 | 42 | 3050 | 58 | 35 | 18 | 408 |
| ----- | HAMILTON | 63.7 | 60.9 | 66.4 | 9–20 | 3.0 | 40 | 2510 | 59 | 35 | 19 | 412 |
| TERRA | MEDALIST | 63.6 | 61.7 | 65.4 | 9–16 | 3.1 | 44 | 3000 | 58 | 35 | 18 | 409 |
| DEKALB Plant Gen | CX291 | 63.6 | 64.0 | 63.1 | 9–20 | 2.9 | 46 | 2660 | 58 | 34 | 19 | 405 |
| DYNA–GRO | UAPX82 | 63.5 | 62.8 | 64.2 | 9–20 | 2.9 | 48 | 2710 | 58 | 34 | 18 | 404 |
| ----- | EDISON | 63.1 | 60.7 | 65.5 | 9–20 | 1.8 | 41 | 2850 | 58 | 35 | 18 | 403 |
| MERSHMAN | GARFIELD | 62.8 | 60.9 | 64.7 | 9–20 | 2.7 | 48 | 2830 | 59 | 35 | 18 | 398 |
| DEKALB Plant Gen | CX326 | 61.9 | 62.0 | 61.8 | 9–19 | 1.6 | 43 | 3010 | 59 | 35 | 19 | 399 |
| OHLDE | EX310 | 61.5 | 61.1 | 61.8 | 9–20 | 2.9 | 42 | 2900 | 58 | 35 | 18 | 392 |
| LEWIS | 367 | 60.5 | 57.9 | 63.0 | 9–20 | 3.3 | 47 | 2790 | 58 | 35 | 18 | 388 |
| ----- | FLYER | 60.3 | 59.3 | 61.2 | 9–20 | 2.0 | 42 | 2930 | 58 | 35 | 18 | 391 |
| DYNA–GRO | 3340 | 60.2 | 62.8 | 57.6 | 9–20 | 2.0 | 45 | 2880 | 58 | 35 | 18 | 392 |
| STAR SEED INC | EXPRESS | 58.2 | 57.8 | 58.5 | 9–20 | 3.1 | 46 | 2780 | 58 | 35 | 19 | 379 |
| AVERAGE ALL ENTRIES | | 65.1 | 64.3 | 65.9 | 9–19 | 2.5 | 42 | 2716 | 58 | 35 | 18 | 417 |
| DIF REQ FOR SIG | 5% | 6.0 | 7.3 | 6.4 | 1 | NS | 4.4 | 259 | NS | 0.7 | 0.4 | NS |
| | 25% | 3.5 | 4.3 | 3.7 | 0.5 | 0.7 | 2.6 | 151 | NS | 0.4 | 0.3 | 26 |

[1] Maturity dates were stopped with a frost on Sept. 19.

# Southeast Early Maturing Soybean Tests. 1987 – 1991.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2–Year Average | | | | |
| HOEGEMEYER | 205 | 53.9 | 9–15 | 2.4 | 40 | 3270 | 57.5 | 35.5 | 19.0 | 355 |
| WILSON | 3165 | 53.6 | 9–20 | 2.0 | 40 | 2890 | 58.0 | 33.9 | 18.4 | 337 |
| SANDS | SOI 394 | 53.2 | 9–20 | 2.3 | 42 | 2930 | 58.0 | 34.0 | 18.4 | 335 |
| GOLDEN HARVEST | H–1308 | 53.2 | 9–19 | 2.2 | 41 | 2940 | 57.5 | 34.2 | 18.2 | 335 |
| ASGROW | A3322 | 53.1 | 9–22 | 1.5 | 36 | 2930 | 57.5 | 36.1 | 17.9 | 346 |
| TERRA | FINALIST | 52.9 | 9–22 | 1.5 | 38 | 2970 | 58.0 | 35.6 | 18.1 | 344 |
| OHLDE | 3000 | 52.6 | 9–20 | 2.1 | 40 | 2940 | 58.0 | 34.1 | 18.4 | 331 |
| ----- | HOBBIT 87 | 52.4 | 9–21 | 1.5 | 27 | 2990 | 58.5 | 34.3 | 19.0 | 336 |
| HOEGEMEYER | 368 | 52.1 | 9–20 | 2.5 | 42 | 2910 | 58.0 | 34.5 | 18.5 | 332 |
| KAUP SEED | KS 3945 | 52.0 | 9–21 | 2.0 | 39 | 2870 | 58.0 | 34.6 | 17.8 | 328 |
| MERSHMAN | KENNEDY III | 51.9 | 9–22 | 1.8 | 41 | 3210 | 57.5 | 35.4 | 18.1 | 334 |
| ----- | EDISON | 51.0 | 9–21 | 1.4 | 38 | 3380 | 58.5 | 35.7 | 17.4 | 327 |
| ----- | PELLA 86 | 50.9 | 9–17 | 1.5 | 39 | 2730 | 57.5 | 35.2 | 18.7 | 331 |
| MERSHMAN | GARFIELD | 50.9 | 9–22 | 2.0 | 44 | 3320 | 59.0 | 34.8 | 17.9 | 323 |
| ----- | DUNBAR | 50.8 | 9–19 | 1.6 | 39 | 3340 | 60.0 | 36.3 | 18.0 | 334 |
| DEKALB Plant Gen | CX326 | 47.6 | 9–18 | 1.3 | 39 | 3650 | 58.5 | 35.5 | 18.0 | 308 |
| Average all entries | | 52.0 | 9–20 | 1.9 | 39 | 3079 | 58.1 | 35.0 | 18.2 | 334 |
| Dif. Req. for Sig. 5% | | NS | 1.9 | 0.3 | 1 | 160 | 0.5 | 0.4 | NS | NS |
| 25% | | 1.0 | 1.1 | 0.2 | 1 | 90 | 0.3 | 0.2 | 0.3 | 7 |
| | | | | | | 3–Year Average | | | | |
| GOLDEN HARVEST | H–1308 | 48.6 | 9–14 | 1.9 | 35 | 2720 | 57.0 | 34.0 | 18.7 | 307 |
| WILSON | 3165 | 48.3 | 9–16 | 1.6 | 35 | 2700 | 57.3 | 33.6 | 19.0 | 304 |
| OHLDE | 3000 | 47.8 | 9–15 | 1.8 | 34 | 2770 | 57.7 | 34.3 | 18.6 | 303 |
| MERSHMAN | KENNEDY III | 47.8 | 9–18 | 1.6 | 35 | 3000 | 57.0 | 35.5 | 18.4 | 310 |
| KAUP SEED | KS 3945 | 47.2 | 9–17 | 1.6 | 34 | 2660 | 57.3 | 34.6 | 18.2 | 300 |
| HOEGEMEYER | 205 | 47.0 | 9–11 | 1.9 | 34 | 3060 | 57.0 | 35.7 | 19.1 | 311 |
| HOEGEMEYER | 368 | 47.0 | 9–16 | 2.0 | 35 | 2690 | 57.3 | 35.0 | 18.5 | 303 |
| MERSHMAN | GARFIELD | 46.5 | 9–17 | 1.7 | 37 | 3140 | 58.3 | 34.5 | 18.4 | 297 |

Continued on page 2.

# Southeast Early Maturing Soybean Tests. 1987 – 1991. Page 2.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 3–Year Average (Continued) | | | | |
| ASGROW | A3322 | 46.4 | 9–18 | 1.3 | 31 | 2850 | 57.3 | 36.0 | 18.1 | 304 |
| ----- | HOBBIT 87 | 45.3 | 9–17 | 1.3 | 24 | 2950 | 58.0 | 34.0 | 19.4 | 291 |
| ----- | PELLA 86 | 44.9 | 9–14 | 1.3 | 33 | 2540 | 57.0 | 35.4 | 18.8 | 293 |
| DEKALB Plant Gen | CX326 | 42.4 | 9–15 | 1.2 | 33 | 3490 | 58.0 | 35.4 | 18.3 | 275 |
| Average all entries | | 46.6 | 9–16 | 1.6 | 33 | 2880 | 57.4 | 34.8 | 18.6 | 300 |
| Dif. Req. for Sig. 5% | | 1.6 | 1.5 | NS | 2 | 120 | 0.4 | 0.4 | 0.3 | NS |
| 25% | | 0.9 | 0.9 | 0.2 | 1 | 70 | 0.2 | 0.2 | 0.2 | 5 |
| | | | | | | 4–Year Average | | | | |
| GOLDEN HARVEST | H–1308 | 43.5 | 9–13 | 1.9 | 37 | 2990 | 56.8 | 33.8 | 18.8 | 275 |
| OHLDE | 3000 | 42.8 | 9–14 | 1.9 | 36 | 3020 | 57.3 | 34.2 | 18.7 | 272 |
| WILSON | 3165 | 42.7 | 9–14 | 1.7 | 36 | 2930 | 57.0 | 33.6 | 19.0 | 269 |
| HOEGEMEYER | 368 | 42.3 | 9–15 | 2.0 | 36 | 2950 | 57.0 | 34.8 | 18.7 | 273 |
| KAUP SEED | KS 3945 | 42.2 | 9–15 | 1.7 | 36 | 2960 | 57.0 | 34.4 | 18.4 | 268 |
| ----- | HOBBIT 87 | 40.3 | 9–16 | 1.3 | 23 | 3190 | 57.5 | 34.1 | 19.4 | 259 |
| ----- | PELLA 86 | 39.3 | 9–12 | 1.4 | 34 | 2750 | 56.8 | 35.2 | 18.9 | 256 |
| DEKALB Plant Gen | CX326 | 38.0 | 9–14 | 1.4 | 34 | 3910 | 57.8 | 35.1 | 18.5 | 246 |
| Average all entries | | 41.4 | 9–14 | 1.7 | 34 | 3090 | 57.2 | 34.4 | 18.8 | 265 |
| Dif. Req. for Sig. 5% | | 2.6 | NS | 0.2 | 2 | 140 | 0.2 | 0.4 | 0.3 | 8 |
| 25% | | 1.5 | 0.6 | 0.1 | 1 | 80 | 0.1 | 0.2 | 0.2 | 5 |
| | | | | | | 5–Year Average | | | | |
| ----- | HOBBIT 87 | 41.9 | 9–17 | 1.2 | 23 | 3250 | 57.5 | 34.1 | 19.4 | 259 |
| ----- | PELLA 86 | 40.3 | 9–13 | 1.3 | 34 | 2750 | 56.8 | 35.2 | 18.9 | 256 |
| Average all entries | | 41.1 | 9–15 | 1.3 | 29 | 3000 | 57.2 | 34.7 | 19.2 | 258 |
| Dif. Req. for Sig. 5% | | NS | 2.0 | NS | 4 | 180 | NS | NS | NS | NS |
| 25% | | 0.7 | 1.0 | NS | 2 | 90 | 0.2 | 0.2 | 0.1 | NS |

# Southeast Late Maturing Soybean Tests. Richardson and Nuckolls Counties – 1991.

| | | Average | Richardsc | Nuckolls | 1991 Average | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU\A | YIELD BU\A | YIELD BU\A | LODGINC SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
| ASGROW | A3733 | 66.2 | 66.6 | 65.7 | 2.3 | 42 | 2400 | 57 | 29.9 | 28.2 | 435.60 |
| STAR SEED INC | BUCHANNA | 65.8 | 66.6 | 65.0 | 2.2 | 40 | 2760 | 58 | 29.7 | 28.6 | 434.28 |
| HYPERFORMER | H 355 | 65.5 | 67.5 | 63.4 | 2.2 | 38 | 2680 | 58 | 29.7 | 28.4 | 431.64 |
| TERRA | EXP.350 | 64.6 | 65.0 | 64.1 | 2.8 | 42 | 2660 | 57 | 29.0 | 28.1 | 422.48 |
| HOEGEMEYER | 401 | 64.4 | 66.9 | 61.9 | 2.8 | 43 | 2620 | 57 | 29.4 | 28.3 | 421.82 |
| NORTHRUP KING | S 33–32 | 64.3 | 67.5 | 61.0 | 2.2 | 40 | 2410 | 59 | 29.6 | 27.8 | 419.88 |
| CARGILL | C–368 | 64.0 | 64.4 | 63.6 | 2.6 | 41 | 2660 | 58 | 29.6 | 27.8 | 418.56 |
| ----- | HOBBIT 87 | 63.8 | 65.6 | 62.0 | 1.0 | 21 | 2450 | 58 | 29.7 | 27.5 | 415.98 |
| DIAMOND BRAND | SC357 | 63.5 | 65.6 | 61.3 | 2.3 | 40 | 2950 | 58 | 29.5 | 28.5 | 421.00 |
| MERSHMAN | TRUMAN III | 63.0 | 64.7 | 61.2 | 2.6 | 41 | 2400 | 59 | 29.5 | 27.9 | 412.02 |
| ----- | DUNBAR | 62.8 | 63.6 | 62.0 | 2.4 | 42 | 2570 | 60 | 29.9 | 28.4 | 414.48 |
| ASGROW | A3242 | 62.7 | 67.0 | 58.4 | 2.6 | 44 | 2690 | 58 | 29.8 | 28.5 | 414.45 |
| WILSON | Exp.9021 | 62.3 | 64.9 | 59.6 | 2.8 | 42 | 2600 | 57 | 29.3 | 28.3 | 409.31 |
| GOLDEN HARVEST | H–1407 | 62.2 | 66.0 | 58.3 | 2.5 | 41 | 2630 | 57 | 28.8 | 28.1 | 405.54 |
| ----- | EDISON | 61.9 | 61.0 | 62.7 | 2.0 | 39 | 2790 | 58 | 29.5 | 28.2 | 406.06 |
| NORTHRUP KING | S 36–36 | 61.6 | 61.1 | 62.0 | 2.1 | 43 | 2260 | 57 | 29.9 | 28.0 | 404.10 |
| SANDS | SOI317 | 61.2 | 55.1 | 67.3 | 2.7 | 42 | 2840 | 58 | 30.0 | 28.8 | 406.98 |
| HORIZON | 53 | 61.1 | 63.3 | 58.8 | 2.4 | 40 | 2680 | 58 | 29.8 | 27.8 | 400.82 |
| TERRA | CYCLE | 60.9 | 62.4 | 59.3 | 2.3 | 43 | 2380 | 58 | 29.9 | 27.6 | 396.46 |
| AGRIGENE | AG 439 | 60.8 | 62.9 | 58.6 | 2.5 | 43 | 2970 | 58 | 29.5 | 28.5 | 398.24 |
| --- | HAMILTON | 60.4 | 56.0 | 64.7 | 3.4 | 41 | 2450 | 58 | 29.9 | 28.2 | 398.04 |
| FONTANELLE | 5850C | 60.4 | 61.8 | 59.0 | 2.2 | 46 | 2490 | 58 | 29.2 | 28.3 | 395.62 |
| ----- | RESNIK | 60.1 | 62.9 | 59.1 | 2.2 | 38 | 2620 | 58 | 29.5 | 28.5 | 395.46 |

Continued on a e 2.

# Southeast Late Maturing Soybean Tests.
# Richardson and Nuckolls Counties – 1991. Page 2.

| | | Average | Richardsc | Nuckolls | 1991 Average | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAND | VARIETY | YIELD BU\A | YIELD BU\A | YIELD BU\A | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
| HYPERFORMER | H 373 | 59.6 | 61.7 | 57.5 | 2.4 | 42 | 2340 | 58 | 29.8 | 28.3 | 393.36 |
| ----- | Corsica | 59.4 | 62.9 | 55.8 | 2.9 | 45 | 2600 | 58 | 29.7 | 28.2 | 390.85 |
| ----- | PELLA 86 | 59.2 | 62.1 | 56.3 | 2.1 | 42 | 1970 | 58 | 29.2 | 28.1 | 387.76 |
| ----- | FLYER | 58.6 | 60.1 | 57.1 | 2.1 | 42 | 2910 | 58 | 29.3 | 28.4 | 385.59 |
| HOEGEMEYER | 387 | 58.4 | 61.5 | 55.2 | 2.8 | 47 | 2690 | 58 | 29.5 | 28.0 | 381.35 |
| STINE | 3790 | 57.8 | 60.4 | 55.1 | 2.7 | 45 | 2470 | 57 | 29.2 | 28.5 | 382.06 |
| STAR SEED INC | EXPRESS | 57.7 | 55.6 | 59.8 | 2.8 | 45 | 2810 | 58 | 30.0 | 28.2 | 382.55 |
| MERSHMAN | WASHINGT( | 56.9 | 58.3 | 55.5 | 2.4 | 45 | 2630 | 57 | 29.1 | 28.6 | 374.97 |
| OHLDE | 3500 | 56.4 | 58.4 | 54.3 | 3.0 | 46 | 2500 | 57 | 29.8 | 28.0 | 371.11 |
| DEKALB Plant Gen | CX366 | 55.9 | 59.5 | 52.2 | 2.6 | 42 | 2520 | 58 | 29.5 | 27.6 | 363.91 |
| TERRA | VICTORY | 54.3 | 54.5 | 54.0 | 2.8 | 45 | 2700 | 58 | 29.5 | 27.8 | 354.58 |
| FONTANELLE | 6004 | 49.9 | 46.7 | 53.0 | 2.9 | 37 | 2410 | 58 | 28.5 | 28.5 | 326.35 |
| ----- | KUNITZ | 48.9 | 51.4 | 46.3 | 3.2 | 45 | 2420 | 58 | 29.4 | 28.4 | 323.23 |
| HORIZON | 4688 | 42.5 | 46.9 | 38.1 | 3.2 | 47 | 2680 | 58 | 29.3 | 28.2 | 278.80 |
| AVERAGE ALL ENTRIES | | 60.1 | 61.6 | 58.0 | 2.5 | 41 | 2593 | 58 | 29.8 | 28.0 | 397.33 |
| DIF REQ FOR SIG | 5% | 6.4 | 5.1 | 8.0 | NS | 4.2 | NS | NS | NS | NS | 47.83 |
| | 25% | 3.8 | 3.0 | 4.0 | 0.7 | 2.5 | NS | NS | NS | NS | 27.88 |

# Southeast Late Maturing Soybean Tests. 1987 – 1991.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2–Year Average | | | | | |
| ----- | HAMILTON | 55.4 | 9–26 | 2.5 | 39 | 2680 | 58.0 | 31.2 | 23.1 | 364 |
| ----- | DUNBAR | 55.0 | 9–23 | 1.7 | 39 | 3000 | 60.0 | 32.0 | 22.7 | 364 |
| NORTHRUP KING | S 36–36 | 53.9 | 9–24 | 1.6 | 39 | 2780 | 57.0 | 31.8 | 22.2 | 353 |
| ----- | HOBBIT 87 | 53.8 | 9–23 | 1.0 | 22 | 2850 | 58.5 | 30.9 | 22.4 | 346 |
| MERSHMAN | TRUMAN III | 53.4 | 9–23 | 1.8 | 39 | 2850 | 59.0 | 31.5 | 22.4 | 348 |
| ASGROW | A3733 | 52.8 | 9–27 | 1.7 | 37 | 2820 | 57.0 | 31.6 | 22.7 | 347 |
| MERSHMAN | WASHINGTON VI | 51.9 | 9–26 | 1.7 | 43 | 2860 | 57.0 | 31.1 | 23.0 | 340 |
| STINE | 3790 | 51.4 | 9–26 | 1.9 | 41 | 2820 | 57.0 | 31.0 | 23.1 | 336 |
| ----- | PELLA 86 | 51.3 | 9–17 | 1.6 | 39 | 2310 | 58.0 | 31.4 | 22.6 | 334 |
| ----- | EDISON | 50.8 | 9–23 | 1.5 | 36 | 3320 | 58.0 | 31.5 | 22.0 | 329 |
| TERRA | CYCLE | 50.7 | 9–24 | 1.7 | 40 | 2900 | 58.0 | 31.7 | 22.3 | 329 |
| HOEGEMEYER | 387 | 50.0 | 9–26 | 1.9 | 44 | 3230 | 58.0 | 31.0 | 22.6 | 324 |
| ----- | RESNIK | 49.6 | 9–23 | 1.6 | 36 | 3070 | 58.0 | 32.0 | 22.1 | 325 |
| ----- | FLYER | 49.2 | 9–26 | 1.6 | 39 | 3380 | 58.0 | 31.4 | 22.4 | 321 |
| DEKALB Plant Gen | CX366 | 46.8 | 9–24 | 1.8 | 40 | 3060 | 58.0 | 31.3 | 21.8 | 300 |
| ----- | KUNITZ | 44.3 | 9–24 | 2.3 | 43 | 2730 | 58.5 | 31.7 | 22.7 | 291 |
| Average all entries | | 51.3 | 9–24 | 1.7 | 39 | 2916 | 58.0 | 31.4 | 22.5 | 334 |
| Dif. Req. for Sig. 5% | | NS | NS | NS | 2 | 160 | 0.3 | NS | NS | NS |
| 25% | | NS | NS | 0.2 | 1 | 90 | 0.2 | NS | NS | NS |
| | | | | | 3–Year Average | | | | | |
| MERSHMAN | TRUMAN III | 48.2 | 9–15 | 1.5 | 33 | 2680 | 58.3 | 32.6 | 21.3 | 314 |
| NORTHRUP KING | S 36–36 | 47.0 | 9–18 | 1.4 | 34 | 2680 | 57.0 | 33.5 | 21.1 | 310 |
| STINE | 3790 | 46.9 | 9–19 | 1.6 | 35 | 2710 | 56.7 | 32.2 | 21.8 | 307 |
| ----- | DUNBAR | 46.7 | 9–14 | 1.5 | 33 | 2910 | 59.3 | 33.1 | 21.5 | 308 |
| ----- | HAMILTON | 46.3 | 9–17 | 2.1 | 34 | 2670 | 57.7 | 32.4 | 21.9 | 304 |
| ASGROW | A3733 | 45.8 | 9–19 | 1.4 | 32 | 2740 | 57.0 | 32.9 | 21.5 | 301 |
| MERSHMAN | WASHINGTON VI | 45.8 | 9–19 | 1.5 | 37 | 2740 | 57.0 | 32.6 | 21.6 | 301 |

Continued on page 2.

# Southeast Late Maturing Soybean Tests. 1987 – 1991. Page 2.

| BRAND | VARIETY | YIELD BU/A | MATURE DATE | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3–Year Average (Continued) | | | | | |
| ----- | PELLA 86 | 44.8 | 9–12 | 1.4 | 33 | 2430 | 57.7 | 32.5 | 21.5 | 292 |
| TERRA | CYCLE | 44.8 | 9–16 | 1.4 | 33 | 2830 | 57.7 | 32.9 | 21.3 | 293 |
| DEKALB Plant Gen | CX366 | 41.6 | 9–17 | 1.5 | 35 | 2970 | 57.7 | 32.0 | 21.2 | 267 |
| Average all entries | | 45.8 | 9–16 | 1.5 | 34 | 2740 | 57.6 | 32.7 | 21.5 | 300 |
| Dif. Req. for Sig. 5% | | NS | 1.6 | 0.1 | 1 | NS | 0.4 | NS | NS | NS |
| 25% | | NS | 0.9 | 0.1 | 1 | 85 | 0.2 | 0.3 | NS | NS |
| | | | | | 4–Year Average | | | | | |
| NORTHRUP KING | S 36–36 | 41.9 | 9–18 | 1.5 | 36 | 2980 | 57.0 | 33.9 | 20.6 | 276 |
| STINE | 3790 | 41.9 | 9–18 | 1.6 | 37 | 2970 | 56.8 | 32.9 | 21.2 | 274 |
| ASGROW | A3733 | 41.2 | 9–20 | 1.4 | 33 | 2930 | 57.0 | 33.7 | 20.9 | 272 |
| TERRA | CYCLE | 40.8 | 9–17 | 1.5 | 36 | 3110 | 57.3 | 33.0 | 21.0 | 265 |
| MERSHMAN | WASHINGTON VI | 40.7 | 9–19 | 1.6 | 38 | 3010 | 57.0 | 33.4 | 20.9 | 267 |
| ----- | PELLA 86 | 39.1 | 9–11 | 1.5 | 34 | 2740 | 57.3 | 33.1 | 21.0 | 255 |
| DEKALB Plant Gen | CX366 | 38.1 | 9–16 | 1.6 | 37 | 3230 | 57.5 | 32.7 | 20.7 | 245 |
| Average all entries | | 40.5 | 9–17 | 1.5 | 36 | 2996 | 57.1 | 33.2 | 20.9 | 265 |
| Dif. Req. for Sig. 5% | | NS | 1.7 | NS | 1 | 126 | NS | NS | NS | NS |
| 25% | | NS | 1.0 | NS | 1 | 72 | NS | 0.3 | NS | NS |
| | | | | | 5–Year Average | | | | | |
| STINE | 3790 | 42.5 | 9–20 | 1.7 | 37 | 2980 | 56.8 | 32.9 | 21.2 | 274 |
| ASGROW | A3733 | 42.1 | 9–22 | 1.5 | 33 | 3000 | 57.0 | 33.7 | 20.9 | 272 |
| MERSHMAN | WASHINGTON VI | 41.9 | 9–21 | 1.6 | 38 | 3030 | 57.0 | 33.4 | 20.9 | 267 |
| ----- | PELLA 86 | 39.2 | 9–11 | 1.4 | 34 | 2770 | 57.3 | 33.1 | 21.0 | 255 |
| Average all entries | | 41.4 | 9–18 | 1.6 | 36 | 2945 | 57.0 | 33.3 | 21.0 | 267 |
| Dif. Req. for Sig. 5% | | NS | 1.6 | NS | 1 | NS | NS | NS | NS | NS |
| 25% | | NS | 0.9 | NS | 1 | 70 | NS | 0.2 | NS | NS |

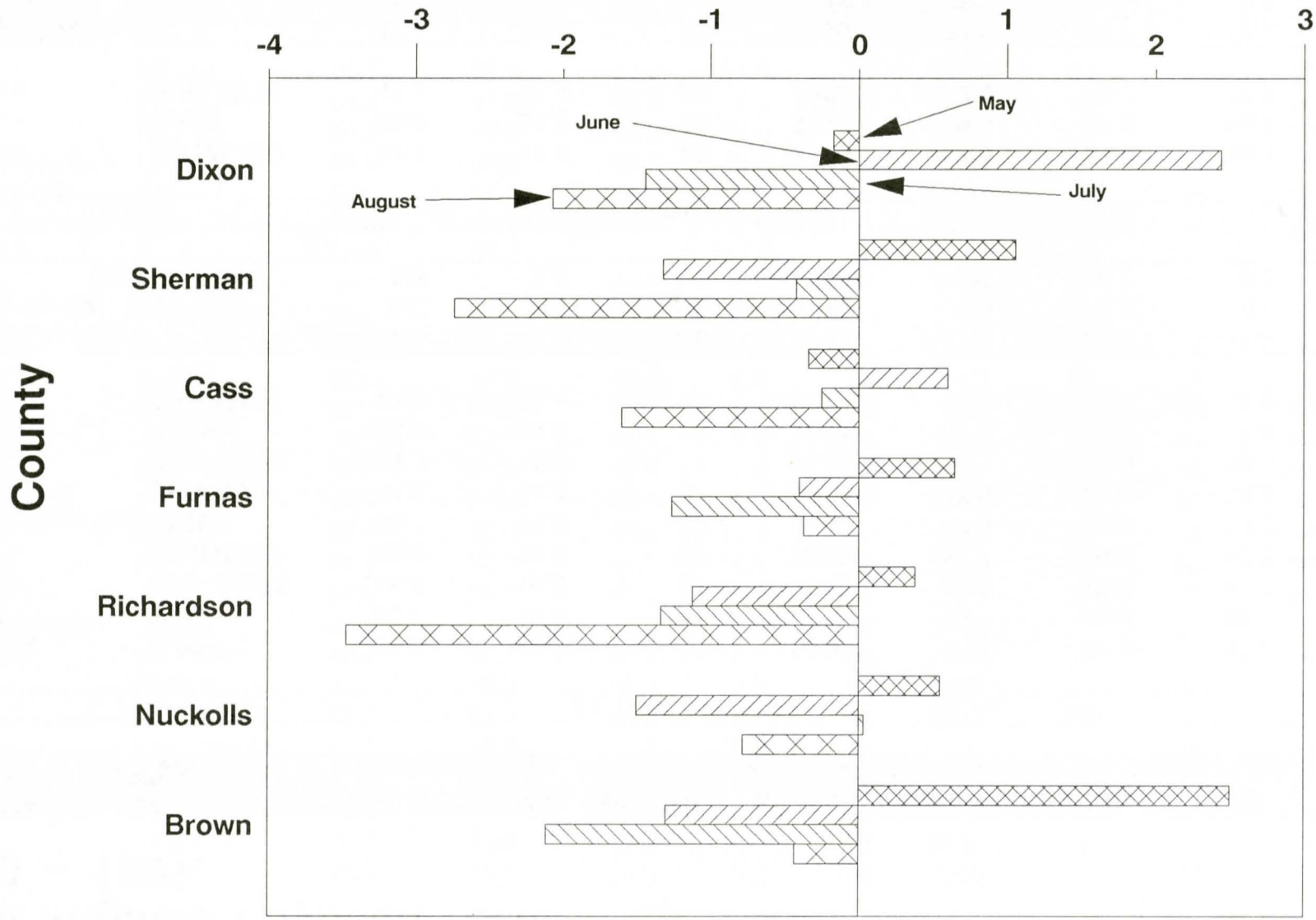
# West Irrigated Soybean Tests.
# Dawson and Rock Counties – 1991.

| BRAND | VARIETY | Average YIELD BU\A | Dawson YIELD BU\A | Rock YIELD BU\A | 1991 Average LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OHLDE | EX130 | 56.7 | 62.8 | 50.6 | 14.4 | 37 | 2670 | 57 | 34 | 18 | 356 |
| ----- | EXPTL #1 | 56.2 | 67.8 | 44.6 | 7.5 | 41 | 2680 | 58 | 34 | 18 | 351 |
| OHLDE | EX310 | 56.2 | 69.8 | 42.6 | 23.0 | 45 | 2950 | 56 | 34 | 18 | 354 |
| DEKALB Plant Gen | CX291 | 56.0 | 68.0 | 44.0 | 13.0 | 46 | 2740 | 57 | 34 | 19 | 358 |
| HOEGEMEYER | 225 | 56.0 | 57.4 | 54.5 | 5.0 | 33 | 2730 | 57 | 35 | 18 | 358 |
| OHLDE | 2929 | 55.5 | 65.7 | 45.3 | 9.5 | 39 | 2990 | 58 | 34 | 18 | 352 |
| OHLDE | 3000 | 54.9 | 67.0 | 42.8 | 15.5 | 45 | 2710 | 56 | 33 | 18 | 337 |
| ----- | CONRAD | 54.5 | 57.7 | 51.2 | 10.5 | 37 | 2790 | 57 | 34 | 18 | 344 |
| ----- | CHAPMAN | 54.0 | 55.0 | 52.9 | 8.8 | 38 | 2370 | 58 | 35 | 19 | 349 |
| WILSON | 2470 | 53.5 | 55.8 | 51.1 | 7.5 | 40 | 2720 | 56 | 34 | 19 | 340 |
| ASGROW | A1929 | 52.5 | 57.9 | 47.1 | 10.5 | 37 | 2610 | 57 | 35 | 18 | 333 |
| DAHLGREN | D-3223 | 52.4 | 57.2 | 47.5 | 13.5 | 38 | 2980 | 58 | 35 | 18 | 333 |
| JACOBSEN | J897 | 52.2 | 52.6 | 51.8 | 8.2 | 41 | 2730 | 58 | 33 | 19 | 329 |
| ----- | M84-916 | 52.2 | 51.8 | 52.6 | 22.3 | 38 | 2490 | 57 | 35 | 18 | 335 |
| HOEGEMEYER | 262 | 51.9 | 54.9 | 48.9 | 8.2 | 37 | 2700 | 59 | 35 | 18 | 333 |
| HORIZON | 2600 | 51.8 | 58.0 | 45.5 | 12.4 | 37 | 3040 | 59 | 34 | 18 | 327 |
| HORIZON | 28 | 51.1 | 53.3 | 48.8 | 16.5 | 38 | 2670 | 57 | 35 | 18 | 324 |
| JACOBSEN | J818 | 51.0 | 56.5 | 45.5 | 10.0 | 39 | 2720 | 57 | 35 | 18 | 326 |
| DEKALB Plant Gen | CX259 | 50.4 | 53.5 | 47.3 | 12.5 | 39 | 2600 | 57 | 34 | 19 | 320 |
| DAHLGREN | DS-3285 | 49.4 | 58.1 | 40.7 | 13.0 | 39 | 2850 | 57 | 35 | 18 | 316 |
| ----- | BURLISON | 49.0 | 59.0 | 38.9 | 7.5 | 38 | 2670 | 58 | 37 | 17 | 321 |
| ----- | U86-62062 | 48.0 | 55.7 | 40.2 | 13.7 | 31 | 2730 | 58 | 37 | 17 | 317 |
| ----- | U87-63041 | 47.4 | 45.5 | 49.3 | 15.0 | 36 | 2540 | 57 | 35 | 19 | 305 |
| ----- | KENWOOD | 47.0 | 49.1 | 42.1 | 19.7 | 39 | 2840 | 57 | 34 | 18 | 296 |
| HOEGEMEYER | 205 | 46.9 | 54.0 | 39.8 | 17.0 | 40 | 2870 | 57 | 35 | 18 | 302 |
| ----- | STURDY | 46.7 | 50.0 | 43.3 | 14.0 | 37 | 2540 | 58 | 35 | 18 | 299 |
| ----- | HACK | 41.2 | 46.4 | 36.0 | 9.2 | 38 | 2860 | 61 | 34 | 18 | 257 |
| AVERAGE ALL ENTRIES | | 51.2 | 56.3 | 45.9 | 13.9 | 38 | 2731 | 57 | 35 | 18 | 322 |
| DIF REQ FOR SIG | 5% | NS | 8.9 | 5.3 | 8.2 | 2.6 | 223 | 1.5 | 0.7 | 0.4 | NS |
| | 25% | NS | 5.2 | 3.1 | 4.8 | 1.5 | 129 | 0.9 | 0.4 | 0.2 | NS |

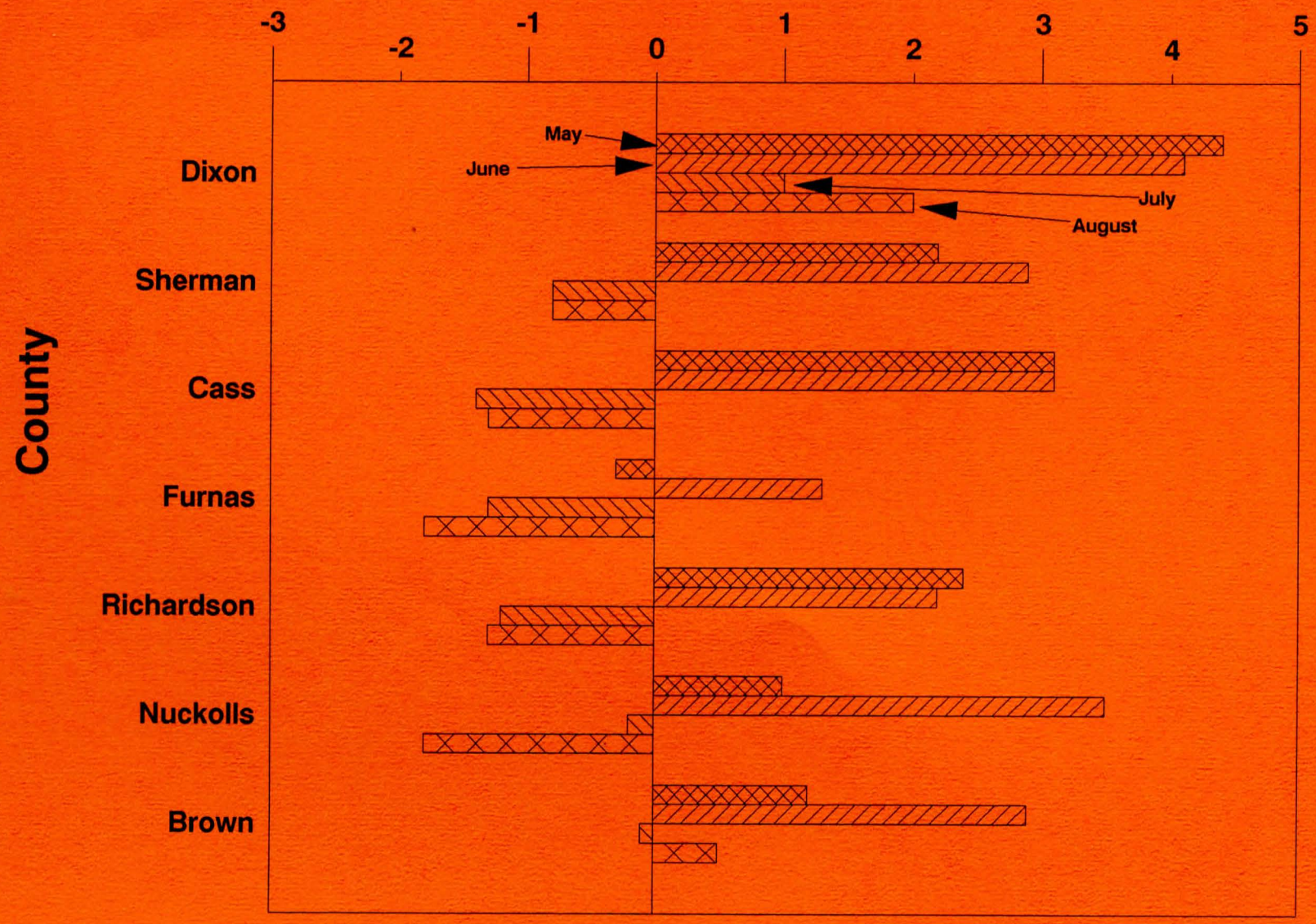
# West Irrigated Soybean Tests.
# 1990 – 1991.

| BRAND | VARIETY | YIELD BU/A | LODGING SCORE | HEIGHT INCHES | SEEDS POUND | BUSHEL WEIGHT | PROTEIN | OIL | EPVA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 2–Year Average | | | | | |
| HORIZON | 2600 | 51.6 | 13.7 | 37 | 3040 | 58.5 | 35.3 | 17.6 | 330 |
| OHLDE | 3000 | 50.7 | 12.5 | 41 | 2710 | 55.3 | 34.3 | 17.7 | 317 |
| ----- | U86–62062 | 48.8 | 16.9 | 31 | 2730 | 57.5 | 37.9 | 17.0 | 326 |
| ----- | KENWOOD | 48.4 | 16.5 | 38 | 2840 | 57.7 | 34.9 | 18.0 | 309 |
| DEKALB Plant Gen | CX259 | 48.1 | 18.3 | 37 | 2600 | 57.0 | 34.6 | 18.2 | 307 |
| ----- | CHAPMAN | 44.5 | 14.4 | 37 | 2370 | 57.0 | 35.5 | 18.4 | 290 |
| ----- | U87–63041 | 44.3 | 15.0 | 34 | 2540 | 56.3 | 35.0 | 18.3 | 286 |
| ----- | HACK | 43.9 | 24.6 | 38 | 2860 | 59.7 | 34.5 | 17.8 | 276 |
| ----- | BURLISON | 43.5 | 20.4 | 36 | 2670 | 55.7 | 36.8 | 17.0 | 285 |
| Average all entries | | 47.1 | 16.9 | 36.6 | 2707 | 57.2 | 35.4 | 17.8 | 303 |
| Dif. Req. for Sig. 5% | | NS | NS | NS | NS | NS | 1.2 | 0.6 | NS |
| 25% | | NS | 5.6 | 1.7 | NS | NS | 0.7 | 0.3 | NS |
| | | | | 3–Year Average | | | | | |
| ----- | KENWOOD | 47.7 | 16.5 | 38 | 3000 | 57.5 | 35.0 | 18.1 | 305 |
| ----- | HACK | 43.6 | 24.6 | 38 | 2890 | 59.5 | 34.6 | 18.0 | 276 |
| ----- | BURLISON | 41.1 | 20.4 | 36 | 2800 | 56.0 | 36.7 | 17.2 | 269 |
| Average all entries | | 42.4 | 22.5 | 37 | 2845 | 57.8 | 35.7 | 17.6 | 273 |
| Dif. Req. for Sig. 5% | | NS | NS | NS | NS | NS | 1.0 | 0.5 | NS |
| 25% | | 1.7 | NS | NS | NS | NS | 0.5 | 0.3 | 19 |

## Average rainfall deviations from normal for May, June, July, and August (inches).



## Average temperature deviations from normal for May, June, July, and August (° F)



# Institute of Agriculture and Natural Resources

## University of Nebraska-Lincoln

## Agricultural Research Division

## College of Agricultural Sciences and Natural Resources

## College of Home Economics

## Conservation and Survey Division

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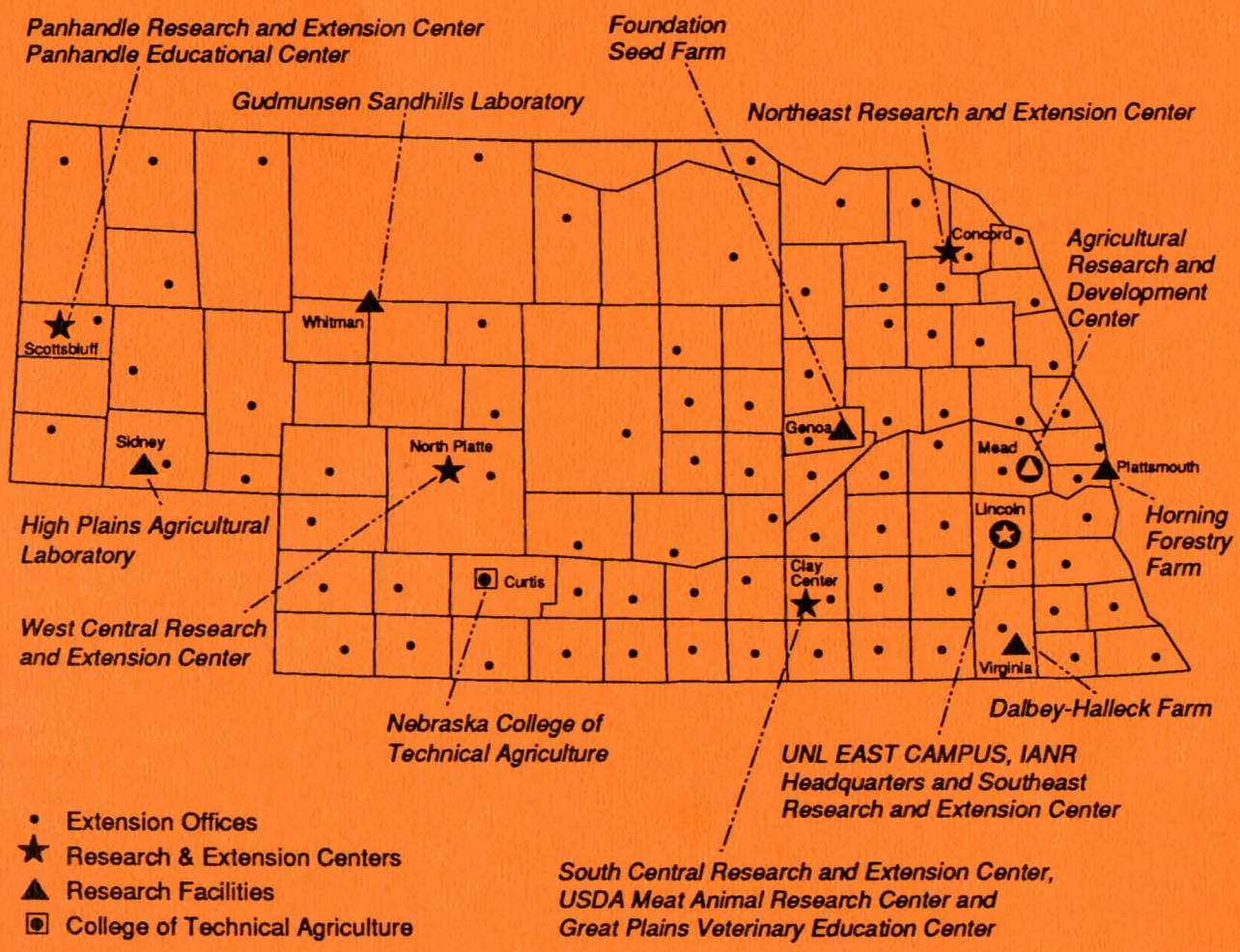


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