

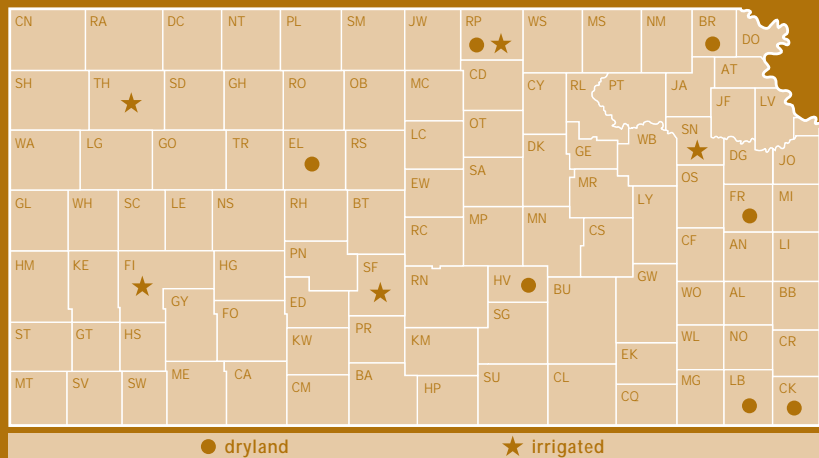
1998

KANSAS PERFORMANCE TESTS WITH

SOYBEAN VARIETIES

REPORT OF PROGRESS 825

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service



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1998 KANSAS SOYBEAN PERFORMANCE TESTS

INTRODUCTION

TEST OBJECTIVES AND PROCEDURES

Soybean performance tests are conducted each year to provide information on the relative performance of new and established varieties and brands at several locations in Kansas.

Seeds for tests are from certified growers, agricultural experiment stations, and private seed companies (Table 1). Seed quality, including such factors as purity and germination, can be important in determining the performance of a variety. Soybean seed used for public and private entries in the Kansas Crop Performance Tests is prepared professionally and usually meets or exceeds Kansas Crop Improvement Certification standards. Relative performance of a given variety comparable to that obtained in these tests is best assured under similar environmental conditions and cultural practices and with the use of certified or professionally prepared seed. All companies known to be developing and marketing soybean varieties or brands are invited to submit test seed; interested companies enter on a voluntary, fee-entry basis.

This season companies also were invited to enter Roundup-resistant varieties either in the standard trials, or in separate Roundup trials. Roundup was the only herbicide used on the Roundup-resistant entries in these separate trials. A few non-Roundup resistant varieties, which received standard herbicides, were included in these separate trials as checks. Most of the Roundup-resistant varieties were entered in the Roundup tests, but several also were entered in the standard tests.

Entries were planted in four-row plots with rows 30 inches apart, except in the Ellis County test where row width was 24 inches, and replicated three or four times each. Seeding rate ranged from seven to 12 seeds per foot of row. The center two rows of each plot were harvested for yield estimates at most locations, except Ellis County where three rows were harvested and Finney County where all four rows were harvested. Harvested row lengths ranged from 14 to 29 feet, depending on location. Cultural practices used and rainfall received at each test location are given in Table 2. Results from this year's tests are presented in Tables 3 through 22. Relative yields of each entry from all locations are shown in Table 23. Results of the tests also can be found at the Kansas crop performance tests' homepage: <http://www.ksu.edu/kscpt>.

For the past several years, Experiment Station personnel have conducted trials to evaluate the performance of soybean varieties when grown in soil infested with soybean cyst nematode (SCN). A summary of results for the past 4 years is included in Table 13 (Cherokee County). Entries resistant and susceptible to SCN are evaluated in these trials.

DATA INTERPRETATION

Yields are recorded as bushels per acre (60 pounds per bushel) adjusted to 13% moisture content, when moisture data are available. Seed yield also is expressed as a percentage of the test average to assist in identifying entries that consistently produce better than the average yield.

Maturity is the date on which 95% of the pods have ripened (browned). Delayed leaf drop and green stems are not considered when assigning maturity. Maturity is expressed as days earlier (-) or later (+) than the average date of the reference variety. About 1 week of good drying weather after maturing is needed before soybeans are ready to harvest.

Lodging is rated at maturity by the following scores:

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

Height is the average length from the soil surface to the top of the main stem of mature plants.

Chlorosis tolerance is rated during the early part of the growing season on a 1 to 9 scale with: 1 = no chlorosis and 9 = severe chlorosis. All public and private entries in this year's performance test were evaluated for chlorosis tolerance near Manhattan, KS. Results from these evaluations are shown in Table 24. Ratings shown in this table are the averages of two readings, the first taken when three trifoliolate leaves had emerged and the second when the seventh trifoliolate leaf had emerged. Because these results represent only one environment, they should be used to complement additional information.

VARIETY OR BRAND SELECTION

Performance of soybean varieties or brands varies from year to year and from location to location, depending on such factors as weather, management practices, and variety adaptation. When selecting varieties or brands, one should carefully analyze their performance for 2 or more years across locations. Performance averaged over several years will provide a better estimate of genetic potential and stability than will 1 year's information.

Small differences in yield between any two varieties or brands usually are not important. Within maturity groups at each location, an LSD (least significant difference) was calculated. The significance level used to calculate the LSD was 10%. Unless two varieties differ in yield by more than the LSD, genetic yield potential of one entry cannot be considered superior to that of another.

At a few sites where entries were grouped and could be analyzed by maturity, an additional LSD value is listed at the bottom of the table. This LSD value can be used to compare the yields of entries in different maturity groups. For example, the yield of an entry in the group III test at Harvey County can be compared with the yield of an entry in the group IV test at the same location to determine if they are statistically different.

The coefficient of variability (CV) represents an estimate of the precision in the replicated yield trials. A CV of less than 10% indicates a good test with a high level of reliability. CVs ranging from 10 to 15% are usually acceptable for performance comparisons. CVs greater than 15% generally lack sufficient precision to provide any more than

a rough guide to cultivar performance. In those tests in which the precision was insufficient to statistically compare performance among the entries, the LSD value has been replaced with the designation, NS, indicating that seed yields were not significantly different.

1998 ENVIRONMENTAL FACTORS

Brown County: Timely rainfall during the seed-fill period produced above-average yields for this site.

Shawnee County: Good growing conditions occurred early in the season. Conditions became dry in August and September, but application of over 7 inches of irrigation water resulted in good yields and excellent precision.

Franklin County: Growing conditions during the season were generally favorable. Dry conditions prevailed during the latter portion of August and early September, but rainfall resumed in September and permitted the plants to complete pod-fill in a fairly normal manner.

Cherokee and Labette Counties: Growing conditions for the southeast locations were generally favorable through mid-August. Widespread late-summer rains benefited the maturity group III entries in the Labette standard test and all the entries in the Cherokee Roundup-resistant test. The soybean cyst nematode trial near Columbus did not receive timely rain during pod-filling.

Republic County: For the second season in a row, both the Belleville and Scandia

locations experienced a dry growing season. Irrigated yields at the Scandia site averaged over 5 bushels per acre less than in 1997, but yields at the Belleville dryland site were slightly higher than those last year. Overall, moderate yields were produced, and the precision of the experiments was good.

Harvey County: Growing conditions through July resulted in the development of plants with excellent yield potential. However, drought conditions beginning in mid-August and lasting until the end of the season curtailed pod-filling and resulted in premature plant death.

Stafford County: Plant development and yield potential were lower at this site than in previous years. The modest vegetative development along with high temperatures and low rainfall during pod-fill resulted in relatively low irrigated yields, particularly in the Roundup-resistant trial.

Thomas County: Good growing conditions existed at this site.

Finney County: Excellent climatic conditions prevailed during the season, but erratic iron deficiency chlorosis reduced yields and the precision of the test.

Ellis County: An extremely dry June delayed development and retarded plant growth. Green cloverworms damaged foliage, but top-yielding entries approached a respectable 30 bushels per acre.

TABLE 1. SUMMARY OF ENTRANTS AND ENTRIES IN PERFORMANCE TESTS

| ENTRANT | BRAND OR ENTRY |
|--|--|
| Illinois A.E.S. and USDA-ARS | Macon, Williams 82 |
| Iowa A.E.S. | A94-774021, IA2021 |
| Kansas A.E.S. | Crawford, K1340, K1364, K1366, K1370, K1377, K1378, K1379, K1380, K1381, K1386, K1391, K1393, KS3494, KS4694, KS4895, KS4997, KS5292, Sparks |
| Maryland A.E.S. | Manokin |
| Missouri A.E.S. | Anand, Delsoy 5500, Hartwig |
| Ohio A.R.D.C. and USDA-ARS | Flyer, Resnik, Stressland, Sherman, HC93-4118 |
| Virginia A.E.S. | Hutcheson |
| Advanced Genetics Box 414 (Adv. Genetics) Beloit, KS 67420 phone: 785-738-5776 | AG3630STS, AG3667RR, AG3797RR, AG3822NRR, AG3860NSTS, AG3957RR, AG4147RR, AG4188STS, AG4333NRR, AG4427RR, AG4437RR, BOUNTYSTS, DS410(DeLange), DS454(DeLange), DS466(DeLange), DS485(DeLange), EXPRESS II GALAXY |
| AgriPro Seeds, Inc. (AgriPro) 23959 580th Ave. Ames, IA 50010 phone: 800-373-1741 | AP3250, AP3702RR, AP3880, AP3902RR, AP4500, AP4540SCN, AP4880, AP543RR |
| Asgrow Seed Co. (Asgrow) 4140 114th Street Des Moines, IA 50322-7570 phone: 800-828-9283 | AG3002, AG3302, AG3701, AG3901, AG4301 |
| Dekalb Genetics Corp. (Dekalb) 3100 Sycamore Rd. Dekalb, IL 60115 phone: 815-758-3461 | CX348, CX351, CX359RR, CX368, CX377, CX399, CX400, CX419RR, CX445, CX485RR, CX496C, CX510C |
| Deltapine Seed (Deltapine) P.O. Box 157 Scott, MS 38772 phone: 800-321-8989 | DP3478, DP3519S, DP4344RR, DP4750RR, DPS8549(EXP) |
| Pueblo Chemical Co. (Dyna-Gro) P.O. Box 1279, 2502 John St. Garden City, KS 67846 phone: 316-275-6127 | DG-3368, DG-3368RR, DG-3388RR, DG-3395, DG-3398RR, DG-3411NSTS, DG-3424RR, DG-3432NRR, DG-3438N, UAPX258RR |
| Fontanelle Hybrids (Fontanelle) 10981 8 St. Nickerson, NE 68044-9706 phone: 402-721-1410 | 3373, 942RR, 9761RR |
| Garst Seed Co. (Garst) 2369 330th St. Slater, IA 50244 phone: 515-685-3574 | D305RR, D376RR, D398(EX7398), D437RR/N, D454, D478 |
| The J.C. Robinson Seed Co. (Golden Harvest) 100 J.C. Robinson Blvd. P.O. Box A Waterloo, NE 68069 | H-1316, H-1357RR, H-1383, H-1454, H-1487, H-1500, X384RR, X410RR |
| Hamon Seed Farms (Hamon) 5557 190th St. Valley Falls, KS 66088 phone: 785-945-3584 | H-447 |
| Hoegemeyer Hybrids (Hoegemeyer) 1755 Hoegemeyer Rd. Hooper, NE 68031 phone: 402-654-3399 | 312, 333, 371, 380, 395RR, 401, 402STS, 435, 460NRR, 471SCN |
| Hornbeck Seed Co., Inc. P.O. Box 347 210 Drier Rd. Dewitt, AR 72042 phone: 501-946-2087 | HBK49, HBK4890 |
| Lewis Hybrids, Inc. (Lewis) P.O. Box 38, West Maple St. Ursa, IL 62376 phone: 217-964-2131 | 361, 390, 3668RR, 3955RR, 4308RR |



TABLE 1. SUMMARY OF ENTRANTS AND ENTRIES IN PERFORMANCE TESTS

| ENTRANT | BRAND OR ENTRY |
|---|--|
| Midwest Seed Genetics P.O. Box 518 (M/W Genetics) Carroll, IA 51401 phone: 712-792-6691 | G3060RR, G3599RR, G3608RR, G3644STS, G3996, G4411RR, G4425RR, G4555 |
| Merschman Seeds (Merschman) 103 Ave. D West Point, IA 52656 phone: 800-848-7333 | Dallas III, Eisenhower V, Kennedy IVRR, Memphis IIIIR, Truman VI, Washington VIIIR |
| Midland Seeds Inc. (Midland) 1906 Kingman Rd. Ottawa, KS 66067 phone: 785-242-3598 | 8280RR, 8284RR, 8287, 8291RR, 8310RR, 8316STS, 8320RR, 8321, 8322RR, 8333STS, 8334, 8341RR, 8345, 8355, 8361RR, 8371, 8377RR, 8381RR, 8386STS, 8388, 8390NRR, 8393, 8394NRR, 8396STS, 8397RR, 8410, 8411RR, 8414RR, 8420STS, 8421N, 8422RR, 8431, 8433RR, 8475, 8486, 8487NB, 8530, 8540RR, 8570RR, X362, X400RR, X442RR, X450NSTS |
| Missouri Seed Improvement Association (MSIA) 3211 Lemone Industrial Blvd. Columbia, MO 65201-8245 phone: 573-449-0586 | Magellan, Maverick, Mustang |
| Mycogen Seeds (Mycogen) P.O. Box 21428 St. Paul, MN 55121-1428 phone: 800-692-6436 | 5348, 5383, 5404, 5430, 5474 |
| NC+ Hybrids (NC+) Box 4408 Lincoln, NE 68504 phone: 402-467-2517 | 2A96RR, 2A99, 3A26, 3A66RR, 3A67, 3A87, 4A10, 4A16RR, 4A47, 5A44, 5A45RR |
| Novartis Seeds Inc. (NK) 1060 Wheatland Dr. Buhler, KS 67522 phone: 316-543-2707 | 3474, 3505, S30-K3, S33-P2, S35-F5, S38-L5, S39-D9, S42-K2, S42-M1, S43-B5, S46-W8, S51-T1, S57-11 |
| Pioneer Hi-Bred Int'l., Inc. 1616 S. Kentucky, (Pioneer) Suite C-150 Amarillo, TX 79102 phone: 806-356-0160 | 93B34, 93B41, 93B51, 93B53, 93B71, 93B82, 94B01, 94B41, 95B33, 9294, 9352, 9395, 9396, 9412, 9421, 9492 |
| Renze Hybrids, Inc. (Renze) 27410 Kittyhawk Ave. Carroll, IA 51401 phone: 712-669-3301 | R356RR, R3097, R3209RR, R3297, R3599 |
| Stine Seed Co. (Stine) 2225 Laredo Trail Adel, IA 50003 phone: 515-677-2605 | 3171-1, 3264, 3290, 3293-4, 3398-8, 3490-4, 3506, 3581, 3690-0, 3792-4, 3870-0, 3990-0, 4199-2, 4492-4, 4562- 2, 4790, X3506 |
| Taylor Seed Farms, Inc. (Taylor) RR2 Box 27A White Cloud, KS 66094 phone: 785-595-3236 | 370RR, 396, 415RR, 450RR, 454 |
| Terra Industries Inc. (Terra) P.O. Box 6000 Sioux City, IA 51102-6000 phone: 712-233-3609 | E394, E4280RR, E438, E4680RR, TS364T(E364T), TS387, TS415, TS466RR, TS474, TS504, TS556RR |
| Triumph Seed Co., Inc. P.O. Box 1050 Ralls, TX 79357 phone: 806-253-2584 | TR3939RR, TR4339RR, TR5409RR |
| Neco Seed Farms (Willcross) P.O. Box 379 Garden City, MO 64747 phone: 816-862-8203 | RR2309, RR2338, RR2357, RR2368, RR2397, RR2448, RR2449N, RR2467N, RR2517N, 9378STS, 9447, 9449STS, 9640, 9738, 9841 |
| Wilson Seeds, Inc. (Wilson) P.O. Box 391 Harlan, IA 51537 phone: 712-755-3841 | 3380, E8362 |

TABLE 2. LOCATIONS, CULTURAL PRACTICES, AND RAINFALL FOR 1998 SOYBEAN PERFORMANCE TESTS.

| ITEM | COUNTY: DRYLAND | | | | | | | |
|-----------------------------------|----------------------------------|--|--|------------------------------|------------------------------|------------------------------|--------------------------------|---|
| | ELLIS | BROWN | FRANKLIN | CHEROKEE† | CHEROKEE ‡ | LABETTE | REPUBLIC | HARVEY |
| Cooperator | C. Thompson (785) 625-3425 | L. Maddux (785) 474-3469 | K. Janssen (785) 242-5616 | J. Long (316) 421-4826 | J. Long (316) 421-4826 | J. Long (316) 421-4826 | B. Gordon (785) 335-2836 | M. Claassen (316) 327-2547 |
| Station or field | Hays | Powhattan | Ottawa | Pittsburg | Columbus | Parsons | Belleville | Hesston |
| Soil: Texture | Silt loam | Silty clay loam | Silt loam | Silt loam | Silt loam | Silt loam | Silt loam | Silty clay loam |
| PH | 6.8 | 6.6 (ST) 5.8 (RR) | --- | 6.6 | --- | --- | 6.0 | 6.3 (ST) 6.8 (RR) |
| Organic Matter (%) | 1.8 | — | — | — | — | — | 2.1 | 2.7 (ST) 2.1 (RR) |
| P test | --- | L (ST) H (RR) | — | — | — | — | M | H |
| K test | --- | H | — | — | --- | — | VH | VH |
| Planting Date | 5/4 | 5/14 | 6/9 | 6/5 | 6/2 | 6/1 | 5/14 | 5/7 |
| Herbicides ** (per acre) | 4 oz. Pur. 40 oz. Dual | 3 Turbro (ST); 1.5 pt Roundup (RR) | 3 pt. Squad. (ST); 1 qt. Roundup (RR) | 1.5 pt. Roundup | 3.0 pt. Squad. | 3.0 pt. Squad. | .5 lb Sencor 1.5 pt. Dual | 2.8 oz. Scep. 1.1 pt. Dual (ST); 1 qt. Roundup 2 appl (RR) |
| Fertilizers (lbs/a) | none | none | none | none | 18N, 48P, 48K | 18N, 46P, 60K | 30N, 30P | 12N, 31P (ST); 12N, 30P (RR) |
| Test avg. (bu/a) | | | | | | | | |
| Standard | 24.1 (5.7)*** | 48.0 (6.9) | 41.2 (6.7) | | 28.2 (12.0) | | 37.3 (9.2) | |
| MG III | | | | | | 47.2 (7.8) | | 26.0 (6.5) |
| MG IV | | | | | | 40.0 (6.2) | | 17.8 (10.3) |
| MG V | | | | | | 32.6 (11.3) | | |
| Roundup resistant | | 51.2 (6.0) | 44.1 (4.6) | | | | | |
| MG III | | | | 45.2 (8.2) | | | | 28.2 (9.4) |
| MC IV | | | | 44.6 (11.8) | | | | 24.5 (10.3) |
| MG V | | | | 48.5 (8.4) | | | | |
| Row length (ft) | 20 | 25 | 28 | 14 | 14 | 14 | 20 | 25 |
| Seeding rate (seeds/ft) | 7 | 8 | 8 | 8 | 8 | 8 | 10 | 8 |
| Rows harvested | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Rainfall (R) or Irrigation (I) | R | R | R | R | R | R | R | R |
| April | 3.50 | 2.80 | 3.06 | 3.23 | 5.00 | 3.43 | 4.24 | 2.86 |
| May | 2.08 | 1.20 | 2.27 | 2.69 | 2.93 | 1.96 | 0.67 | 1.76 |
| June | 1.10 | 7.80 | 4.79 | 8.65 | 3.22 | 5.41 | 3.88 | 3.15 |
| July | 6.86 | 4.00 | 3.62 | 4.87 | 6.29 | 5.09 | 4.82 | 6.79 |
| August | 2.42 | 3.90 | 5.41 | 2.73 | --- | 3.42 | 1.39 | 0.61 |
| September | <u>1.17</u> | <u>2.60</u> | <u>9.32</u> | <u>8.20</u> | <u>8.15</u> | <u>9.02</u> | <u>1.97</u> | <u>5.56</u> |
| Total | 18.03 | 22.30 | 28.47 | 30.37 | 25.59 | 28.33 | 16.97 | 20.73 |

CONTINUED

TABLE 2. LOCATIONS, CULTURAL PRACTICES, AND RAINFALL FOR 1998 SOYBEAN PERFORMANCE TESTS. (CONTINUED)

| ITEM | COUNTY: IRRIGATED | | | | | | | | | |
|-----------------------------------|---|-----|---|-------------|---|------------|------------------------------|-------|--|-------------|
| | SHAWNEE | | REPUBLIC | | STAFFORD | | FINNEY | | THOMAS | |
| Cooperator | L. Maddux (785) 354-7236 | | B. Gordon (785) 335-2836 | | V. Martin (316) 549-3345 | | M. Witt (316) 276-8286 | | P. Evans (785) 462-6281 | |
| Station or field | Topeka | | Scandia | | St. John | | Garden City | | Colby | |
| Soil: Texture | Silt loam | | Silt loam | | Fine sandy loam | | Silt loam | | Silt loam | |
| PH | 7.2 | | 6.5 | | 6.5 | | 7.8 | | 7.4 | |
| Organic Matter (%) | 1.5 | | 2.2 | | 0.6 | | 1.2 | | 1.5 | |
| P test | M | | M | | --- | | VH | | L | |
| K test | H | | VH | | --- | | VH | | — | |
| Planting Date | 5/5 | | 5/12 (ST) 5/13 (RR) | | 6/11 (ST) 6/13 (RR) | | 5/18 | | 5/19 | |
| Herbicides ** (per acre) | 3 pt. Squad. (ST); 1.5 pt. Roundup (RR) | | 1.5 pt. Dual + .5 lb. Sencor (ST); 1 qt. Roundup (RR) | | 1 qt. Dual 4 oz. Pur. (ST); 1 qt. Roundup 2 appl. (RR) | | 2.5 pt. Pur. Plus | | 2 pt. Broadstrife + Dual (ST); 1.5 pt. Roundup (RR) | |
| Fertilizers (lbs/a) | none | | 30N, 30P | | 27N, 69P | | none | | 30N, 15P | |
| Test avg. (bu/a) | | | | | | | | | | |
| Standard | 60.0 (6.5) | | 60.3 (5.6) | | 39.6 (15.6) | | | | 64.4 (7.3) | |
| MG III | | | | | | | 37.5 (14.7) | | | |
| MG IV | | | | | | | 44.0 (19.6) | | | |
| MG V | | | | | | | | | | |
| Roundup resistant | 60.6 (7.2) | | 62.5 (3.5) | | 25.3 (18.7) | | | | 69.3 (6.6) | |
| MG III | | | | | | | | | | |
| MC IV | | | | | | | | | | |
| MG V | | | | | | | | | | |
| Row length (ft) | 15 | | 25 | | 29 (ST) 21 (RR) | | 20 | | 20 | |
| Seeding rate (seeds/ft) | 7 | | 12 | | 7 | | 10 | | 9 | |
| Rows harvested | 2 | | 2 | | 2 | | 4 | | 2 | |
| Rainfall (R) or Irrigation (I) | R | I | R | I | R | I | R | I | R | I |
| April | 1.6 | | 4.20 | | 1.94 | | 0.93 | | 1.66 | |
| May | 1.3 | | 0.72 | | 2.65 | | 2.69 | | 3.06 | |
| June | 6.0 | | 3.90 | | 1.71 | 3.6 | 0.85 | 5.00 | 1.54 | |
| July | 6.0 | 3.0 | 5.50 | 3.20 | 5.72 | 3.4 | 6.61 | 5.00 | 7.85 | 3.00 |
| August | 1.0 | 4.5 | .70 | 2.00 | 0.32 | 5.1 | 3.13 | 5.00 | 2.35 | 3.00 |
| September | <u>2.3</u> | — | <u>1.94</u> | <u>2.50</u> | <u>0.85</u> | <u>1.9</u> | <u>0.28</u> | — | <u>0.56</u> | <u>3.00</u> |
| Total | 18.2 | 7.5 | 16.96 | 7.70 | 13.19 | 14.0 | 13.65 | 15.00 | 17.02 | 9.00 |

† Roundup trial ‡ Soybean Cyst Nematode-infested location. ** Squad. = Squadron, Scep. = Sceptor, Tref. = Treflan, Pur. = Pursuit *** Coefficient of variability. ST=Standard Test, RR=Roundup Test

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|-----------------------|---------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|------|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUPS II-IV | | | | | | | | | | | | | | | |
| MIDLAND | 8371 | 49.5 | 46.6 | --- | --- | 48.1 | --- | --- | 103 | 107 | --- | --- | -5 | 1.8 | 33 |
| TERRA | E394 | 46.4 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | -5 | 1.5 | 33 |
| HOEGEMEYER | 333 | 48.1 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -5 | 1.3 | 32 |
| | IA2021 | 39.7 | --- | --- | --- | --- | --- | --- | 83 | --- | --- | --- | -4 | 1.5 | 26 |
| STINE | 3581 | 42.7 | --- | --- | --- | --- | --- | --- | 89 | --- | --- | --- | -2 | 1.5 | 30 |
| DYNA-GRO | DG-3395 | 50.8 | 44.3 | 65.9 | --- | 47.6 | 53.7 | --- | 106 | 102 | 107 | --- | -2 | 1.2 | 28 |
| WILLCROSS | 9738 | 51.1 | 42.3 | --- | --- | 46.7 | --- | --- | 106 | 97 | --- | --- | -2 | 1.5 | 30 |
| RENZE | R3297 | 42.9 | --- | --- | --- | --- | --- | --- | 89 | --- | --- | --- | -2 | 1.2 | 31 |
| TERRA | TS415 | 54.0 | 47.2 | --- | --- | 50.6 | --- | --- | 113 | 108 | --- | --- | -2 | 2.2 | 34 |
| TERRA | TS387 | 54.7 | 42.7 | --- | --- | 48.7 | --- | --- | 114 | 98 | --- | --- | -2 | 1.0 | 29 |
| HAMON | H-447 | 50.2 | 45.3 | --- | --- | 47.7 | --- | --- | 105 | 104 | --- | --- | -2 | 1.5 | 35 |
| HOEGEMEYER | 401 | 44.0 | 44.4 | 70.3 | 15.9 | 44.2 | 52.9 | 43.6 | 92 | 102 | 114 | 81 | -2 | 1.7 | 30 |
| MISSOURI PREMIUM | MAGELLAN | 49.1 | 45.5 | --- | --- | 47.3 | --- | --- | 102 | 104 | --- | --- | -2 | 1.5 | 34 |
| | K1386 | 35.6 | --- | --- | --- | --- | --- | --- | 74 | --- | --- | --- | -1 | 1.3 | 30 |
| PIONEER | 9396 | 43.7 | 39.1 | --- | --- | 41.4 | --- | --- | 91 | 90 | --- | --- | 0 | 1.3 | 32 |
| | FLYER | 48.6 | 41.3 | 61.5 | 18.2 | 44.9 | 50.5 | 42.4 | 101 | 95 | 100 | 93 | 9/23 | 1.3 | 33 |
| FONTANELLE | 3373 | 41.8 | 38.1 | 58.4 | --- | 39.9 | 46.1 | --- | 87 | 87 | 95 | --- | 0 | 1.2 | 28 |
| M/W GENETICS | G3644STS | 43.6 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 0 | 2.0 | 37 |
| MISSOURI PREMIUM | MAVERICK | 48.6 | 42.8 | --- | --- | 45.7 | --- | --- | 101 | 98 | --- | --- | 0 | 2.0 | 39 |
| TERRA | TS364T(E364T) | 45.7 | 46.0 | --- | --- | 45.8 | --- | --- | 95 | 105 | --- | --- | 1 | 1.3 | 31 |
| HOEGEMEYER | 435 | 43.7 | 42.4 | 59.9 | 24.7 | 43.1 | 48.7 | 42.7 | 91 | 97 | 97 | 127 | 1 | 1.5 | 35 |
| STINE | 3990-0 | 49.3 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 1 | 1.5 | 32 |
| KSOY | MACON | 48.6 | 45.6 | 61.8 | 18.8 | 47.1 | 52.0 | 43.7 | 101 | 105 | 100 | 96 | 1 | 1.7 | 32 |
| PIONEER | 93B82 | 55.6 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | 2 | 1.5 | 33 |
| DYNA-GRO | DG-3368 | 50.1 | 39.9 | 68.1 | 23.2 | 45.0 | 52.7 | 45.3 | 104 | 91 | 111 | 119 | 2 | 1.5 | 31 |
| MYCOGEN | 5348 | 47.4 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | 2 | 1.7 | 31 |
| NK | S38-L5 | 49.7 | 50.3 | --- | --- | 50.0 | --- | --- | 104 | 115 | --- | --- | 2 | 1.0 | 31 |
| WILLCROSS | 9378STS | 50.3 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 2 | 1.7 | 35 |
| MYCOGEN | 5383 | 51.2 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 2 | 1.3 | 31 |
| MIDLAND | 8386STS | 50.1 | --- | 60.3 | --- | --- | --- | --- | 104 | --- | 98 | --- | 2 | 1.8 | 33 |
| NC+ | 3A87 | 53.2 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 2 | 1.2 | 29 |
| | K1377 | 51.7 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 2 | 1.2 | 31 |
| | RESNIK | 43.2 | 40.7 | 57.3 | 13.0 | 42.0 | 47.1 | 38.5 | 90 | 93 | 93 | 67 | 2 | 1.0 | 32 |
| | SHERMAN | 46.5 | 43.0 | 65.9 | 26.6 | 44.7 | 51.8 | 45.5 | 97 | 99 | 107 | 136 | 2 | 1.7 | 31 |
| STINE | 3690-0 | 47.9 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 2 | 1.0 | 27 |
| LEWIS | 361 | 47.9 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 2 | 1.2 | 31 |
| | WILLIAMS 82 | 45.5 | 41.1 | 51.7 | 23.6 | 43.3 | 46.1 | 40.5 | 95 | 94 | 84 | 121 | 2 | 2.0 | 38 |
| NK | S43-B5 | 48.8 | 42.9 | --- | --- | 45.9 | --- | --- | 102 | 98 | --- | --- | 3 | 1.7 | 34 |
| MIDLAND | X362 | 48.8 | 49.3 | --- | --- | 49.0 | --- | --- | 102 | 113 | --- | --- | 3 | 1.5 | 31 |
| GARST | D398(EX7398) | 51.1 | 49.6 | --- | --- | 50.4 | --- | --- | 106 | 114 | --- | --- | 3 | 1.7 | 30 |
| KSOY | STRESSLAND | 47.3 | 40.7 | 58.4 | 17.5 | 44.0 | 48.8 | 41.0 | 98 | 93 | 95 | 90 | 3 | 1.2 | 37 |

(CONTINUED)

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|------------------|--------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| NC+ | 4A10 | 47.5 | 43.5 | --- | 26.0 | 45.5 | --- | --- | 99 | 100 | --- | 133 | 3 | 1.0 | 30 |
| MISSOURI PREMIUM | MUSTANG | 46.2 | 42.2 | --- | --- | 44.2 | --- | --- | 96 | 97 | --- | --- | 3 | 1.5 | 38 |
| | K1378 | 48.0 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 3 | 2.2 | 35 |
| | HC93-4118 | 51.9 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 3 | 1.3 | 31 |
| | K1380 | 49.2 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 3 | 1.5 | 31 |
| KSOY | KS3494 | 46.3 | 45.6 | 58.3 | 19.8 | 45.9 | 50.1 | 42.5 | 96 | 105 | 95 | 101 | 4 | 1.3 | 31 |
| WILLCROSS | 9640 | 55.1 | --- | --- | --- | --- | --- | --- | 115 | --- | --- | --- | 4 | 1.5 | 33 |
| MYCOGEN | 5404 | 49.7 | 42.2 | --- | --- | 46.0 | --- | --- | 104 | 97 | --- | --- | 4 | 1.5 | 32 |
| | K1381 | 38.0 | --- | --- | --- | --- | --- | --- | 79 | --- | --- | --- | 4 | 1.7 | 28 |
| MIDLAND | 8388 | 49.4 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 4 | 1.5 | 29 |
| DEKALB | CX400 | 51.6 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 4 | 1.2 | 32 |
| HOEGEMEYER | 380 | 46.9 | 47.7 | 68.1 | 27.0 | 47.3 | 54.2 | 47.4 | 98 | 109 | 111 | 139 | 4 | 1.5 | 31 |
| MIDLAND | 8410 | 45.0 | 44.7 | 63.9 | 15.8 | 44.9 | 51.2 | 42.4 | 94 | 103 | 104 | 81 | 4 | 1.7 | 30 |
| RENZE | R3599 | 44.6 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 4 | 1.5 | 31 |
| LEWIS | 390 | 47.9 | 50.6 | 62.4 | 21.6 | 49.3 | 53.6 | 45.6 | 100 | 116 | 101 | 111 | 4 | 1.3 | 28 |
| TAYLOR | 396 | 48.8 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 5 | 1.3 | 29 |
| PIONEER | 9421 | 45.6 | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | 5 | 1.8 | 34 |
| MERSCHMAN | TRUMAN VI | 48.3 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 5 | 1.3 | 31 |
| TERRA | TS474 | 48.7 | 39.7 | --- | --- | 44.2 | --- | --- | 102 | 91 | --- | --- | 5 | 2.0 | 37 |
| RENZE | R3097 | 48.1 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 5 | 1.3 | 26 |
| | K1370 | 43.7 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 5 | 1.8 | 35 |
| | A94-774021 | 48.4 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 5 | 1.0 | 26 |
| RENZE | R3209R | 48.4 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 5 | 4.5 | 33 |
| M/W GENETICS | G3996 | 49.2 | 48.5 | 64.9 | 18.9 | 48.9 | 54.2 | 45.4 | 103 | 111 | 106 | 97 | 5 | 1.3 | 28 |
| DEKALB | CX348 | 49.6 | 46.8 | --- | --- | 48.2 | --- | --- | 103 | 107 | --- | --- | 5 | 1.2 | 29 |
| | K1379 | 48.9 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 6 | 1.3 | 37 |
| | K1340 | 46.7 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 6 | 2.0 | 35 |
| WILLCROSS | RR2368 | 51.3 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 6 | 1.7 | 34 |
| AGRIPRO | AP3880 | 50.6 | 42.1 | --- | --- | 46.3 | --- | --- | 105 | 96 | --- | --- | 7 | 1.5 | 33 |
| MERSCHMAN | EISENHOWER V | 52.2 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 7 | 1.5 | 29 |
| HOEGEMEYER | 371 | 46.8 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 8 | 1.2 | 26 |
| KSOY | KS4694 | 52.1 | 39.9 | 50.9 | 22.9 | 46.0 | 47.6 | 41.5 | 109 | 92 | 83 | 118 | 13 | 1.2 | 34 |
| TEST AVERAGES | | 48.0 | 43.6 | 61.5 | 19.5 | | | | | | | | | | |
| LSD (.10) | | 4.5 | 5.7 | 4.6 | 4.7 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1994-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING | HT |
|-----------------------|---------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|----------------|---------|----|
| | | 1998 | 1997 | 1995 | 1994 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | -----1998----- | SCORE | IN |
| MATURITY GROUPS II-IV | | | | | | | | | | | | | | | |
| | IA2021 | 40.3 | --- | --- | --- | --- | --- | --- | 67 | --- | --- | --- | -13 | 2.2 | 28 |
| KSOY | KS3494 | 54.8 | 80.8 | 59.1 | 61.1 | 67.8 | 64.9 | 63.9 | 91 | 124 | 106 | 99 | -12 | 2.0 | 38 |
| NK | S33-P2 | 59.3 | 63.0 | --- | --- | 61.1 | --- | --- | 99 | 96 | --- | --- | -11 | 2.0 | 36 |
| | A94-774021 | 60.0 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -10 | 1.0 | 31 |
| MIDLAND | X362 | 53.6 | 67.6 | --- | --- | 60.6 | --- | --- | 89 | 103 | --- | --- | -10 | 2.2 | 37 |
| HOEGEMEYER | 333 | 60.7 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | -10 | 2.0 | 39 |
| ADV. GENETICS | AG3630STS | 58.7 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | -9 | 3.2 | 43 |
| | RESNIK | 55.7 | 80.2 | 53.2 | 54.7 | 67.9 | 63.0 | 61.0 | 93 | 123 | 95 | 89 | -9 | 2.2 | 35 |
| STINE | 3581 | 51.3 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | -9 | 2.3 | 39 |
| KSOY | MACON | 63.0 | 69.9 | 56.5 | --- | 66.4 | 63.1 | --- | 105 | 107 | 101 | --- | -9 | 1.5 | 33 |
| DEKALB | CX368 | 58.6 | 72.1 | 64.3 | --- | 65.3 | 65.0 | --- | 98 | 110 | 115 | --- | -9 | 2.3 | 38 |
| STINE | 3690-0 | 55.6 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | -8 | 1.0 | 33 |
| | SHERMAN | 54.2 | 57.0 | 57.9 | 55.4 | 55.6 | 56.4 | 56.1 | 90 | 87 | 103 | 90 | -8 | 2.7 | 38 |
| MIDLAND | 8410 | 55.3 | 65.0 | 56.2 | 56.2 | 60.1 | 58.8 | 58.2 | 92 | 99 | 100 | 91 | -7 | 1.2 | 33 |
| TERRA | TS364T(E364T) | 65.2 | 72.8 | --- | --- | 69.0 | --- | --- | 109 | 111 | --- | --- | -7 | 1.3 | 38 |
| TERRA | E394 | 59.3 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | -6 | 1.8 | 45 |
| WILLCROSS | 9378STS | 58.9 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | -6 | 2.2 | 35 |
| HOEGEMEYER | 371 | 68.5 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | -6 | 3.2 | 36 |
| AGRIPRO | AP3880 | 55.4 | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | -5 | 1.2 | 39 |
| MIDLAND | 8345 | 60.3 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | -4 | 1.8 | 40 |
| | HC93-4118 | 61.8 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | -4 | 2.0 | 37 |
| MIDLAND | 8396STS | 56.6 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -4 | 1.7 | 41 |
| ADV. GENETICS | AG4188STS | 61.8 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | -4 | 2.0 | 39 |
| ADV. GENETICS | AG3860NSTS | 61.5 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | -4 | 2.3 | 46 |
| | K1377 | 53.6 | --- | --- | --- | --- | --- | --- | 89 | --- | --- | --- | -3 | 1.8 | 38 |
| TERRA | TS474 | 65.3 | 66.7 | --- | --- | 66.0 | --- | --- | 109 | 102 | --- | --- | -3 | 3.5 | 46 |
| STINE | 3870-0 | 63.3 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | -2 | 2.0 | 33 |
| | WILLIAMS 82 | 50.1 | 58.6 | 48.2 | 53.1 | 54.4 | 52.3 | 52.5 | 84 | 90 | 86 | 86 | -1 | 3.0 | 45 |
| NC+ | 4A10 | 61.2 | 66.4 | 63.1 | 63.1 | 63.8 | 63.6 | 63.5 | 102 | 102 | 113 | 103 | -1 | 1.7 | 35 |
| | K1370 | 59.4 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | -1 | 1.7 | 39 |
| TERRA | TS387 | 72.2 | 74.2 | --- | --- | 73.2 | --- | --- | 120 | 113 | --- | --- | -1 | 2.0 | 39 |
| HOEGEMEYER | 380 | 73.1 | 73.6 | 58.0 | 61.9 | 73.3 | 68.2 | 66.6 | 122 | 112 | 104 | 101 | -1 | 1.7 | 39 |
| HOEGEMEYER | 401 | 63.7 | 68.2 | 54.6 | 54.6 | 65.9 | 62.2 | 60.3 | 106 | 104 | 98 | 89 | -1 | 1.8 | 34 |
| DYNA-GRO | DG-3368 | 62.2 | 61.6 | 56.5 | 67.9 | 61.9 | 60.1 | 62.0 | 104 | 94 | 101 | 110 | -1 | 1.8 | 40 |
| PIONEER | 93B82 | 66.3 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | -1 | 2.0 | 37 |
| PIONEER | 9421 | 64.9 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | -1 | 1.7 | 42 |
| TAYLOR | 396 | 67.2 | 83.4 | --- | --- | 75.3 | --- | --- | 112 | 127 | --- | --- | 0 | 2.0 | 36 |
| MIDLAND | 8371 | 63.8 | 70.1 | --- | --- | 67.0 | --- | --- | 106 | 107 | --- | --- | 0 | 2.5 | 37 |
| NK | S38-L5 | 61.9 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 0 | 2.2 | 38 |
| | FLYER | 61.7 | 69.5 | 58.1 | 58.1 | 65.6 | 63.1 | 61.8 | 103 | 106 | 104 | 94 | 9/22 | 2.0 | 42 |

(CONTINUED)

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1994-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|------------------|----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1995 | 1994 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MIDLAND | 8386STS | 56.7 | 69.5 | --- | --- | 63.1 | --- | --- | 95 | 106 | --- | --- | 0 | 2.5 | 40 |
| MISSOURI PREMIUM | MAVERICK | 60.3 | 65.4 | --- | --- | 62.8 | --- | --- | 101 | 100 | --- | --- | 0 | 2.0 | 44 |
| | K1386 | 57.5 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 0 | 1.8 | 39 |
| MIDLAND | 8388 | 68.6 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | 0 | 2.3 | 36 |
| | K1380 | 64.1 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 1 | 1.5 | 38 |
| DEKALB | CX400 | 66.3 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 1 | 1.5 | 38 |
| NK | S43-B5 | 62.6 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 1 | 1.7 | 36 |
| DYNA-GRO | DG-3395 | 64.1 | 69.5 | --- | --- | 66.8 | --- | --- | 107 | 106 | --- | --- | 1 | 2.0 | 40 |
| WILLCROSS | 9738 | 64.8 | 64.1 | --- | --- | 64.4 | --- | --- | 108 | 98 | --- | --- | 1 | 2.5 | 41 |
| WILLCROSS | 9841 | 57.1 | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | 1 | 1.3 | 40 |
| | K1381 | 72.7 | --- | --- | --- | --- | --- | --- | 121 | --- | --- | --- | 2 | 2.3 | 39 |
| MYCOGEN | 5430 | 62.8 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 2 | 1.8 | 40 |
| | K1340 | 63.2 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 2 | 2.8 | 42 |
| KSOY | STRESSLAND | 55.5 | 64.6 | 55.9 | 55.9 | 60.0 | 58.7 | 58.0 | 92 | 99 | 100 | 91 | 2 | 1.7 | 45 |
| GARST | D398(EX7398) | 65.7 | --- | --- | --- | --- | --- | --- | 110 | --- | --- | --- | 2 | 2.0 | 37 |
| WILLCROSS | 9640 | 68.4 | 68.6 | --- | --- | 68.5 | --- | --- | 114 | 105 | --- | --- | 2 | 2.5 | 41 |
| MISSOURI PREMIUM | MUSTANG | 47.1 | 61.0 | --- | --- | 54.0 | --- | --- | 79 | 93 | --- | --- | 2 | 1.7 | 46 |
| TERRA | TS415 | 64.1 | 70.6 | --- | --- | 67.3 | --- | --- | 107 | 108 | --- | --- | 2 | 2.2 | 40 |
| HOEGEMEYER | 435 | 49.5 | 66.7 | 49.7 | 49.7 | 58.1 | 55.3 | 53.9 | 83 | 102 | 89 | 81 | 2 | 1.8 | 44 |
| STINE | 3990-0 | 59.7 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 3 | 2.7 | 41 |
| MYCOGEN | 5404 | 64.5 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 3 | 3.0 | 42 |
| HAMON | H-447 | 57.4 | 70.5 | --- | --- | 64.0 | --- | --- | 96 | 108 | --- | --- | 4 | 2.3 | 43 |
| ADV. GENETICS | DS454(DeLange) | 68.4 | 70.6 | --- | --- | 69.5 | --- | --- | 114 | 108 | --- | --- | 4 | 2.8 | 42 |
| MISSOURI PREMIUM | MAGELLAN | 49.8 | 56.2 | --- | --- | 53.0 | --- | --- | 83 | 86 | --- | --- | 4 | 2.8 | 45 |
| | K1378 | 55.8 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 5 | 2.2 | 41 |
| | K1379 | 55.9 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 5 | 1.5 | 39 |
| PIONEER | 94B41 | 48.5 | --- | --- | --- | --- | --- | --- | 81 | --- | --- | --- | 7 | 1.5 | 40 |
| KSOY | KS4694 | 46.3 | 54.8 | 50.5 | 50.5 | 50.6 | 50.5 | 50.5 | 77 | 84 | 90 | 82 | 7 | 2.0 | 42 |
| TEST AVERAGES | | 60.0 | 65.4 | 56.0 | 61.5 | | | | | | | | | | |
| LSD (.10) | | 6.5 | 9.2 | 7.3 | 7.1 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|-----------------------|---------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|------|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUPS II-IV | | | | | | | | | | | | | | | |
| | IA2021 | 35.4 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | -14 | 2.0 | 32 |
| KSOY | KS3494 | 38.9 | 40.3 | 47.3 | 43.8 | 39.6 | 42.2 | 42.6 | 94 | 90 | 92 | 96 | -8 | 1.5 | 37 |
| HOEGEMEYER | 333 | 48.4 | --- | --- | --- | --- | --- | --- | 118 | --- | --- | --- | -7 | 1.8 | 35 |
| | RESNIK | 39.5 | 39.3 | 46.7 | 42.7 | 39.4 | 41.8 | 42.0 | 96 | 88 | 91 | 94 | -6 | 1.5 | 36 |
| NK | S33-P2 | 45.5 | 49.3 | --- | --- | 47.4 | --- | --- | 110 | 110 | --- | --- | -6 | 1.5 | 37 |
| | A94-774021 | 47.3 | --- | --- | --- | --- | --- | --- | 115 | --- | --- | --- | -6 | 1.2 | 32 |
| HOEGEMEYER | 380 | 47.2 | --- | 52.0 | 47.8 | --- | --- | --- | 115 | --- | 101 | 105 | -5 | 1.5 | 39 |
| DYNA-GRO | DG-3368 | 45.0 | 45.7 | 56.3 | 45.9 | 45.3 | 49.0 | 48.2 | 109 | 102 | 110 | 101 | -5 | 1.7 | 36 |
| WILLCROSS | 9378STS | 46.5 | --- | --- | --- | --- | --- | --- | 113 | --- | --- | --- | -5 | 1.5 | 38 |
| TERRA | TS364T(E364T) | 47.6 | 48.0 | --- | --- | 47.8 | --- | --- | 115 | 107 | --- | --- | -4 | 1.5 | 35 |
| | SHERMAN | 39.8 | 46.1 | 56.3 | 48.4 | 43.0 | 47.4 | 47.7 | 97 | 103 | 110 | 107 | -4 | 2.0 | 39 |
| MIDLAND | 8388 | 45.8 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | -4 | 1.3 | 34 |
| PIONEER | 93B71 | 38.7 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -4 | 1.3 | 39 |
| NK | S38-L5 | 45.4 | --- | --- | --- | --- | --- | --- | 110 | --- | --- | --- | -4 | 1.0 | 35 |
| TAYLOR | 396 | 43.8 | 49.4 | --- | --- | 46.6 | --- | --- | 106 | 110 | --- | --- | -3 | 1.2 | 34 |
| STINE | 3870-0 | 44.6 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | -3 | 1.2 | 33 |
| TERRA | TS387 | 44.2 | 49.4 | --- | --- | 46.8 | --- | --- | 107 | 110 | --- | --- | -3 | 1.2 | 35 |
| GOLDEN HARVEST | H-1383 | 41.2 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -3 | 1.2 | 33 |
| | HC93-4118 | 45.5 | --- | --- | --- | --- | --- | --- | 110 | --- | --- | --- | -2 | 1.2 | 37 |
| GARST | D398(EX7398) | 44.5 | 49.6 | --- | --- | 47.0 | --- | --- | 108 | 111 | --- | --- | -2 | 1.2 | 35 |
| TERRA | E394 | 44.2 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | -2 | 1.5 | 41 |
| TERRA | TS415 | 44.9 | 48.1 | 54.3 | --- | 46.5 | 49.1 | --- | 109 | 107 | 106 | --- | -2 | 1.5 | 39 |
| MISSOURI PREMIUM | MAVERICK | 41.7 | 45.1 | --- | --- | 43.4 | --- | --- | 101 | 101 | --- | --- | -2 | 2.0 | 47 |
| MYCOGEN | 5404 | 44.1 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | -2 | 1.5 | 40 |
| WILLCROSS | 9640 | 46.9 | 45.7 | 52.5 | --- | 46.3 | 48.4 | --- | 114 | 102 | 102 | --- | -1 | 1.5 | 38 |
| DYNA-GRO | DG-3395 | 45.8 | 48.2 | 55.0 | --- | 47.0 | 49.7 | --- | 111 | 107 | 107 | --- | -1 | 1.0 | 36 |
| PIONEER | 93B82 | 48.9 | --- | --- | --- | --- | --- | --- | 119 | --- | --- | --- | -1 | 1.5 | 37 |
| | K1381 | 40.2 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | -1 | 1.7 | 38 |
| WILLCROSS | 9738 | 45.0 | 46.5 | --- | --- | 45.7 | --- | --- | 109 | 104 | --- | --- | -1 | 1.2 | 35 |
| KSOY | MACON | 43.4 | 46.0 | 58.7 | --- | 44.7 | 49.4 | --- | 105 | 103 | 114 | --- | -1 | 1.5 | 37 |
| AGRIPRO | AP3880 | 44.1 | 45.2 | --- | --- | 44.6 | --- | --- | 107 | 101 | --- | --- | -1 | 1.3 | 37 |
| | K1370 | 37.5 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 0 | 1.5 | 40 |
| PIONEER | 9421 | 43.5 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 0 | 1.7 | 43 |
| | FLYER | 41.4 | 43.0 | 50.2 | 43.8 | 42.2 | 44.8 | 44.6 | 100 | 96 | 98 | 97 | 9/21 | 1.3 | 38 |
| MIDLAND | 8410 | 43.7 | 46.0 | 57.4 | 48.3 | 44.9 | 49.0 | 48.9 | 106 | 103 | 112 | 106 | 0 | 1.3 | 38 |
| NC+ | 4A10 | 41.9 | --- | 54.1 | 49.4 | --- | --- | --- | 102 | --- | 105 | 109 | 0 | 1.3 | 39 |
| DEKALB | CX399 | 42.4 | 47.1 | 53.8 | --- | 44.7 | 47.8 | --- | 103 | 105 | 105 | --- | 0 | 1.3 | 43 |
| STINE | 3990-0 | 42.6 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 0 | 1.5 | 37 |
| HOEGEMEYER | 401 | 43.6 | 43.2 | 51.1 | 47.5 | 43.4 | 46.0 | 46.3 | 106 | 96 | 99 | 105 | 1 | 1.5 | 37 |
| | K1386 | 43.3 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 1 | 1.3 | 40 |

(CONTINUED)

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|------------------|----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MISSOURI PREMIUM | MAGELLAN | 45.1 | 43.4 | --- | --- | 44.3 | --- | --- | 110 | 97 | --- | --- | 1 | 1.8 | 41 |
| GOLDEN HARVEST | H-1454 | 41.1 | --- | 48.9 | --- | --- | --- | --- | 100 | --- | 95 | --- | 1 | 1.3 | 42 |
| MIDLAND | 8386STS | 40.4 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 1 | 1.7 | 40 |
| HOEGEMEYER | 471SCN | 41.2 | 43.4 | --- | --- | 42.3 | --- | --- | 100 | 97 | --- | --- | 1 | 1.3 | 43 |
| KSOY | STRESSLAND | 41.0 | 41.8 | 49.2 | 41.6 | 41.4 | 44.0 | 43.4 | 99 | 93 | 96 | 92 | 1 | 1.5 | 42 |
| | K1377 | 40.3 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 1 | 1.5 | 38 |
| HOEGEMEYER | 435 | 39.1 | 43.5 | 60.4 | --- | 41.3 | 47.7 | --- | 95 | 97 | 117 | --- | 1 | 1.5 | 41 |
| WILLCROSS | 9841 | 39.2 | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | 1 | 1.3 | 38 |
| MIDLAND | 8421N | 42.2 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 2 | 1.5 | 39 |
| | WILLIAMS 82 | 33.4 | 43.7 | 48.0 | 44.4 | 38.6 | 41.7 | 42.4 | 81 | 98 | 93 | 98 | 2 | 1.5 | 46 |
| GARST | K1380 | 39.9 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 2 | 1.2 | 42 |
| | D454 | 38.8 | --- | 52.8 | --- | --- | --- | --- | 94 | --- | 103 | --- | 3 | 1.0 | 42 |
| NK | K1340 | 35.8 | --- | --- | --- | --- | --- | --- | 87 | --- | --- | --- | 3 | 1.5 | 45 |
| | S43-B5 | 41.7 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 3 | 1.5 | 40 |
| WILLCROSS | 9449NSTS | 36.3 | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | 3 | 1.3 | 41 |
| DEKALB | CX445 | 40.0 | 45.1 | 53.2 | 46.1 | 42.6 | 46.1 | 46.1 | 97 | 101 | 104 | 101 | 4 | 1.5 | 45 |
| ADV. GENETICS | DS410(DeLange) | 34.5 | 44.8 | 52.8 | --- | 39.7 | 44.1 | --- | 84 | 100 | 103 | --- | 5 | 1.2 | 40 |
| ADV. GENETICS | DS454(DeLange) | 40.7 | 46.6 | --- | --- | 43.7 | --- | --- | 99 | 104 | --- | --- | 5 | 1.5 | 44 |
| M/W GENETICS | G4555 | 44.3 | 48.4 | --- | --- | 46.3 | --- | --- | 107 | 108 | --- | --- | 5 | 1.5 | 45 |
| AGRIPRO | AP4500 | 40.7 | 46.2 | --- | --- | 43.4 | --- | --- | 99 | 103 | --- | --- | 5 | 1.5 | 45 |
| MIDLAND | 8431 | 39.9 | 46.6 | 50.9 | --- | 43.3 | 45.8 | --- | 97 | 104 | 99 | --- | 5 | 1.5 | 44 |
| | K1378 | 37.4 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 5 | 1.5 | 40 |
| | K1379 | 36.9 | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | 6 | 1.3 | 41 |
| LEWIS | 390 | 39.2 | 49.5 | 53.3 | --- | 44.4 | 47.3 | --- | 95 | 111 | 104 | --- | 6 | 1.5 | 44 |
| NK | 3474 | 44.3 | 45.2 | --- | --- | 44.7 | --- | --- | 107 | 101 | --- | --- | 6 | 1.5 | 46 |
| MISSOURI PREMIUM | MUSTANG | 37.7 | 43.3 | --- | --- | 40.5 | --- | --- | 92 | 97 | --- | --- | 6 | 1.5 | 47 |
| ADV. GENETICS | DS485(DeLange) | 41.8 | 41.7 | 51.0 | --- | 41.7 | 44.8 | --- | 101 | 93 | 99 | --- | 7 | 1.5 | 45 |
| NC+ | 4A47 | 39.7 | 48.0 | 53.3 | --- | 43.9 | 47.0 | --- | 96 | 107 | 104 | --- | 8 | 1.7 | 41 |
| STINE | 4562-2 | 40.2 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 8 | 1.5 | 39 |
| KSOY | KS4694 | 36.6 | 46.7 | 45.4 | 49.8 | 41.6 | 42.9 | 44.6 | 89 | 104 | 88 | 110 | 9 | 1.0 | 41 |
| TAYLOR | 454 | 39.4 | 47.3 | 58.8 | --- | 43.3 | 48.5 | --- | 95 | 105 | 114 | --- | 9 | 1.5 | 43 |
| HORNBECK | HBK4890 | 38.2 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 10 | 1.5 | 38 |
| STINE | 4790 | 39.7 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 10 | 1.3 | 42 |
| | CRAWFORD | 27.3 | 36.4 | 41.1 | 39.4 | 31.9 | 34.9 | 36.1 | 66 | 81 | 80 | 87 | 10 | 1.5 | 49 |
| KSOY | KS4895 | 33.1 | 42.3 | 41.3 | --- | 37.7 | 38.9 | --- | 80 | 94 | 80 | --- | 12 | 1.2 | 41 |
| TERRA | TS474 | 38.2 | 45.7 | 48.9 | --- | 42.0 | 44.3 | --- | 93 | 102 | 95 | --- | 14 | 1.5 | 45 |
| MERSCHMAN | DALLAS III | 39.3 | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | 14 | 1.0 | 43 |
| HORNBECK | HBK49 | 26.6 | --- | --- | --- | --- | --- | --- | 65 | --- | --- | --- | 19 | 1.5 | 51 |
| TEST AVERAGES | | 41.2 | 44.8 | 51.4 | 45.4 | | | | | | | | | | |
| LSD (.10) | | 3.7 | 3.9 | 5.6 | 3.3 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 6. LABETTE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|------------------------|-----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|------|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUPS II-III | | | | | | | | | | | | | | | |
| | IA2021 | 46.7 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | -10 | 1.0 | 32 |
| | RESNIK | 46.5 | 42.9 | 45.5 | 16.6 | 44.7 | 45.0 | 37.9 | 98 | 91 | 96 | 103 | -6 | 1.3 | 35 |
| KSOY | KS3494 | 48.0 | 42.6 | 49.6 | 15.2 | 45.3 | 46.8 | 38.9 | 102 | 90 | 104 | 94 | -6 | 1.7 | 34 |
| | A94-774021 | 52.8 | --- | --- | --- | --- | --- | --- | 112 | --- | --- | --- | -6 | 1.0 | 33 |
| | SHERMAN | 45.9 | 46.2 | 49.3 | 12.8 | 46.0 | 47.1 | 38.5 | 97 | 98 | 104 | 79 | -5 | 2.3 | 38 |
| TERRA | E394 | 43.1 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | -5 | 2.0 | 42 |
| | WILLIAMS 82 | 41.5 | 45.8 | 45.5 | 16.4 | 43.6 | 44.2 | 37.3 | 88 | 97 | 96 | 102 | -4 | 2.3 | 44 |
| TERRA | TS387 | 45.9 | 50.0 | --- | --- | 48.0 | --- | --- | 97 | 106 | --- | --- | -4 | 1.3 | 36 |
| TERRA | TS364T(E364T) | 48.6 | 47.3 | --- | --- | 47.9 | --- | --- | 103 | 100 | --- | --- | -4 | 1.0 | 33 |
| DYNA-GRO | DG-3395 | 52.3 | 51.4 | 53.4 | --- | 51.8 | 52.4 | --- | 111 | 109 | 112 | --- | -3 | 2.0 | 38 |
| STINE | 3870-0 | 48.8 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | -3 | 2.3 | 36 |
| KSOY | MACON | 46.8 | 48.1 | 50.7 | 17.3 | 47.5 | 48.5 | 40.7 | 99 | 102 | 106 | 107 | -2 | 1.7 | 35 |
| TEST AVERAGES | | 47.2 | 47.1 | 47.6 | 16.1 | | | | | | | | | | |
| LSD (.10) | | 5.2 | 5.3 | 4.0 | 3.2 | | | | | | | | | | |
| MATURITY GROUP IV | | | | | | | | | | | | | | | |
| | HC93-4118 | 48.7 | --- | --- | --- | --- | --- | --- | 122 | --- | --- | --- | -5 | 2.0 | 38 |
| WILLCROSS | 9449NSTS | 38.6 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | -2 | 1.7 | 40 |
| | FLYER | 40.6 | 48.0 | 43.2 | 17.4 | 44.3 | 43.9 | 37.3 | 101 | 91 | 100 | 93 | 9/14 | 1.3 | 38 |
| MIDLAND | 8410 | 44.2 | 53.9 | 43.3 | 16.3 | 49.0 | 47.1 | 39.4 | 110 | 102 | 100 | 87 | 0 | 2.0 | 37 |
| | K1340 | 39.3 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 0 | 2.3 | 43 |
| | K1381 | 38.5 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 0 | 2.0 | 38 |
| MIDLAND | X450NSTS | 45.8 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | 0 | 2.0 | 42 |
| | K1386 | 43.1 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 1 | 2.0 | 41 |
| KSOY | STRESSLAND | 46.4 | 53.3 | 44.4 | 20.0 | 49.8 | 48.0 | 41.0 | 116 | 101 | 103 | 107 | 1 | 1.7 | 40 |
| MIDLAND | 8420STS | 44.7 | --- | --- | --- | --- | --- | --- | 112 | --- | --- | --- | 1 | 1.7 | 41 |
| TERRA | TS415 | 50.8 | 48.5 | 50.8 | --- | 49.6 | 50.0 | --- | 127 | 92 | 118 | --- | 1 | 2.7 | 42 |
| MIDLAND | 8421N | 41.2 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 1 | 2.0 | 44 |
| MISSOURI PREMIUM | MAGELLAN | 44.1 | 43.4 | --- | --- | 43.7 | --- | --- | 110 | 83 | --- | --- | 1 | 2.0 | 43 |
| | K1370 | 43.6 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 1 | 2.0 | 40 |
| WILLCROSS | 9841 | 42.6 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 1 | 1.0 | 38 |
| GARST | D454 | 46.2 | --- | --- | 22.1 | --- | --- | --- | 115 | --- | --- | 118 | 1 | 1.0 | 43 |
| MYCOGEN | 5404 | 48.5 | 49.0 | --- | --- | 48.8 | --- | --- | 121 | 93 | --- | --- | 2 | 2.3 | 42 |
| ADV. GENETICS | DS454 (DeLange) | 39.2 | 53.7 | --- | --- | 46.5 | --- | --- | 98 | 102 | --- | --- | 2 | 3.0 | 46 |
| | K1377 | 42.5 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 2 | 2.0 | 37 |
| PIONEER | 94B41 | 37.2 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 2 | 1.3 | 39 |
| AGRIPRO | AP4500 | 38.6 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 2 | 2.0 | 45 |
| NK | S43-B5 | 44.3 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 3 | 2.0 | 39 |
| GOLDEN HARVEST | H-1454 | 39.2 | --- | 43.4 | 21.6 | --- | --- | --- | 98 | --- | 101 | 115 | 3 | 1.0 | 41 |
| MISSOURI PREMIUM | MUSTANG | 39.4 | 46.8 | --- | --- | 43.1 | --- | --- | 99 | 89 | --- | --- | 3 | 2.0 | 45 |

(CONTINUED)

TABLE 6. LABETTE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|------------------|-----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| NC+ | 4A47 | 35.4 | 57.2 | 45.6 | --- | 46.3 | 46.1 | --- | 89 | 109 | 106 | --- | 3 | 3.0 | 44 |
| | K1380 | 43.1 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 3 | 1.3 | 41 |
| DEKALB | CX496C | 38.9 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 3 | 2.0 | 41 |
| NK | 3474 | 38.4 | 53.5 | --- | --- | 45.9 | --- | --- | 96 | 102 | --- | --- | 3 | 2.0 | 45 |
| | K1379 | 39.5 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | 4 | 1.7 | 38 |
| DELTAPINE | DP3478 | 34.0 | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | 4 | 2.3 | 47 |
| STINE | 4790 | 30.2 | --- | --- | --- | --- | --- | --- | 75 | --- | --- | --- | 4 | 2.3 | 44 |
| | K1378 | 35.9 | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | 4 | 3.0 | 42 |
| KSOY | KS4694 | 37.8 | 59.0 | 45.6 | 17.2 | 48.4 | 47.5 | 39.9 | 94 | 112 | 106 | 92 | 5 | 2.3 | 39 |
| MIDLAND | 8431 | 33.1 | 57.9 | 44.4 | --- | 45.5 | 45.1 | --- | 83 | 110 | 103 | --- | 5 | 2.3 | 43 |
| GARST | D478 | 36.2 | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | 5 | 2.0 | 45 |
| LEWIS | 390 | 38.7 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 6 | 2.0 | 47 |
| MIDLAND | 8475 | 38.7 | 52.7 | 41.1 | 21.3 | 45.7 | 44.2 | 38.5 | 97 | 100 | 95 | 114 | 6 | 1.3 | 39 |
| TERRA | TS474 | 33.6 | 66.3 | 45.0 | 15.7 | 50.0 | 48.3 | 40.1 | 84 | 126 | 104 | 84 | 6 | 2.7 | 43 |
| WILLCROSS | RR2467N | 34.5 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | 7 | 1.7 | 46 |
| PIONEER | 9492 | 32.7 | --- | --- | --- | --- | --- | --- | 82 | --- | --- | --- | 8 | 1.7 | 40 |
| DELTAPINE | DPS8S49 (EXP) | 32.8 | --- | --- | --- | --- | --- | --- | 82 | --- | --- | --- | 13 | 2.0 | 46 |
| TEST AVERAGES | | 40.0 | 52.6 | 43.2 | 18.7 | | | | | | | | | | |
| LSD (.10) | | 3.4 | 5.8 | 3.9 | 3.4 | | | | | | | | | | |
| MATURITY GROUP V | | | | | | | | | | | | | | | |
| MIDLAND | 8486 | 34.7 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 8 | 2.3 | 48 |
| GOLDEN HARVEST | H-1500 | 36.0 | --- | 40.4 | 22.6 | --- | --- | --- | 110 | --- | 97 | 104 | 8 | 1.7 | 30 |
| AGRIPRO | AP4880 | 34.9 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 8 | 2.0 | 46 |
| ADV. GENETICS | DS485 (DeLange) | 39.7 | --- | --- | --- | --- | --- | --- | 122 | --- | --- | --- | 8 | 2.0 | 46 |
| MIDLAND | 8487NB | 35.0 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 8 | 2.0 | 45 |
| | CRAWFORD | 21.8 | --- | --- | --- | --- | --- | --- | 67 | --- | --- | --- | 8 | 2.7 | 47 |
| NK | 3505 | 32.0 | 48.1 | --- | --- | 40.0 | --- | --- | 98 | 94 | --- | --- | 8 | 1.0 | 29 |
| KSOY | KS4997 | 37.7 | 57.2 | 46.9 | 25.5 | 47.5 | 47.3 | 41.8 | 116 | 112 | 112 | 117 | 9 | 1.0 | 29 |
| | STAFFORD | 30.3 | 51.2 | 41.9 | 23.4 | 40.8 | 41.1 | 36.7 | 93 | 101 | 100 | 107 | 9 | 1.0 | 31 |
| HORNBECK | HBK4890 | 37.1 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | 10 | 1.3 | 41 |
| GOLDEN HARVEST | H-1487 | 36.0 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 10 | 2.0 | 44 |
| | K1366 | 35.1 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 11 | 2.0 | 32 |
| KSOY | KS4895 | 31.0 | --- | 43.2 | --- | --- | --- | --- | 95 | --- | 103 | --- | 11 | 2.0 | 42 |
| PIONEER | 95B33 | 42.3 | --- | --- | --- | --- | --- | --- | 130 | --- | --- | --- | 12 | 1.7 | 35 |
| | KS5292 | 34.8 | 48.1 | 42.3 | 20.1 | 41.4 | 41.7 | 36.3 | 107 | 94 | 101 | 92 | 13 | 1.7 | 32 |
| | MANOKIN | 31.5 | 48.6 | 39.2 | 22.2 | 40.0 | 39.8 | 35.4 | 97 | 95 | 94 | 102 | 14 | 1.7 | 31 |
| NC+ | 5A44 | 38.3 | 48.6 | 39.8 | 22.9 | 43.4 | 42.2 | 37.4 | 118 | 95 | 95 | 105 | 14 | 1.3 | 31 |
| | K1391 | 31.3 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 15 | 1.7 | 33 |
| DELTAPINE | DP3519S | 28.4 | --- | --- | --- | --- | --- | --- | 87 | --- | --- | --- | 15 | 1.7 | 34 |
| HORNBECK | HBK49 | 25.6 | --- | --- | --- | --- | --- | --- | 78 | --- | --- | --- | 15 | 2.0 | 48 |
| | K1364 | 27.6 | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | 16 | 1.7 | 29 |

(CONTINUED)

TABLE 6. LABETTE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|---------------|----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| HUTCHESON | 32.8 51.3 42.9 | 20.6 | 42.0 | 42.3 | 36.9 | 101 | 101 | 103 | 94 | 16 | 2.0 | 34 | | | |
| MIDLAND | 8530 | 30.5 | 56.0 | --- | --- | 43.3 | --- | --- | 94 | 110 | --- | --- | 17 | 1.0 | 28 |
| | ANAND | 38.8 | --- | --- | --- | --- | --- | --- | 119 | --- | --- | --- | 18 | 1.7 | 29 |
| WILLCROSS | RR2517N | 28.1 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | 18 | 1.3 | 34 |
| | K1393 | 27.9 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | 19 | 2.0 | 31 |
| KSOY | DELISOY 5500 | 34.8 | 57.1 | 40.9 | --- | 46.0 | 44.3 | --- | 107 | 112 | 98 | --- | 19 | 2.0 | 35 |
| | HARTWIG | 22.3 | 40.0 | 35.9 | 21.1 | 31.1 | 32.7 | 29.8 | 68 | 78 | 86 | 97 | 19 | 3.0 | 33 |
| NK | S57-11 | 28.6 | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | 19 | 2.0 | 35 |
| TEST AVERAGES | | 32.6 | 51.0 | 41.7 | 21.8 | | | | | | | | | | |
| LSD (.10) | | 5.0 | 5.4 | 3.8 | 3.8 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 7. REPUBLIC COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN | |
|-----------------------|------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|--|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | | |
| MATURITY GROUPS II-IV | | | | | | | | | | | | | | | | |
| | IA2021 | 33.5 | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | -12 | 1.0 | 30 | |
| MIDLAND | 8287 | 39.8 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | -11 | 1.0 | 29 | |
| GOLDEN HARVEST | H-1316 | 39.5 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | -5 | 1.0 | 35 | |
| MIDLAND | 8321 | 45.6 | 48.5 | 61.4 | --- | 47.1 | 51.8 | --- | 122 | 139 | 98 | --- | -5 | 1.0 | 36 | |
| MIDLAND | 8316STS | 34.2 | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | -5 | 1.0 | 36 | |
| DYNA-GRO | DG-3368 | 35.4 | 33.1 | 62.1 | 47.6 | 34.2 | 43.5 | 44.6 | 95 | 95 | 99 | 111 | -5 | 1.0 | 39 | |
| KSOY | KS3494 | 33.1 | 51.8 | 58.3 | 42.8 | 42.4 | 47.7 | 46.5 | 89 | 149 | 93 | 100 | -4 | 1.0 | 37 | |
| MIDLAND | 8334 | 43.5 | --- | --- | --- | --- | --- | --- | 117 | --- | --- | --- | -4 | 1.0 | 32 | |
| MIDLAND | 8333STS | 45.7 | --- | 59.5 | --- | --- | --- | --- | 123 | --- | 95 | --- | -4 | 1.0 | 37 | |
| MIDLAND | 8355 | 39.4 | 46.3 | 67.0 | 49.9 | 42.8 | 50.9 | 50.6 | 106 | 133 | 107 | 116 | -4 | 1.0 | 36 | |
| PIONEER | 93B41 | 38.2 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | -4 | 1.0 | 35 | |
| DEKALB | CX351 | 42.7 | 47.2 | --- | --- | 45.0 | --- | --- | 114 | 136 | --- | --- | -3 | 1.0 | 35 | |
| PIONEER | 9352 | 42.7 | --- | --- | --- | --- | --- | --- | 115 | --- | --- | --- | -3 | 1.0 | 36 | |
| FONTANELLE | 3373 | 40.3 | 47.9 | 74.5 | --- | 44.1 | 54.2 | --- | 108 | 138 | 119 | --- | -3 | 1.0 | 36 | |
| ADV. GENETICS | EXPRESS II | 31.5 | 34.4 | 64.9 | 53.0 | 33.0 | 43.6 | 45.9 | 84 | 99 | 103 | 124 | -3 | 1.0 | 34 | |
| | RESNIK | 30.8 | 25.5 | 66.6 | 48.7 | 28.2 | 41.0 | 42.9 | 83 | 73 | 106 | 113 | -3 | 1.0 | 37 | |
| DYNA-GRO | DG-3395 | 37.3 | 42.9 | 58.7 | --- | 40.1 | 46.3 | --- | 100 | 123 | 94 | --- | -2 | 1.0 | 36 | |
| ADV. GENETICS | AG3630STS | 28.2 | --- | --- | --- | --- | --- | --- | 76 | --- | --- | --- | -2 | 1.0 | 42 | |
| MIDLAND | 8386STS | 41.4 | 32.1 | --- | --- | 36.7 | --- | --- | 111 | 92 | --- | --- | -2 | 1.0 | 40 | |
| NC+ | 3A67 | 37.2 | 50.9 | --- | --- | 44.1 | --- | --- | 100 | 146 | --- | --- | -2 | 1.0 | 37 | |

(CONTINUED)

TABLE 7. REPUBLIC COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|---------------|-------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|------|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| ADV. GENETICS | AG3667RR | 32.6 | --- | --- | --- | --- | --- | --- | 87 | --- | --- | --- | -1 | 1.0 | 35 |
| | SHERMAN | 38.0 | 25.0 | 63.5 | 44.5 | 31.5 | 42.2 | 42.8 | 102 | 72 | 101 | 104 | -1 | 1.0 | 39 |
| MIDLAND | 8345 | 38.2 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | -1 | 1.0 | 39 |
| M/W GENETICS | G3644STS | 39.4 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | -1 | 1.0 | 41 |
| MIDLAND | 8388 | 43.4 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | -1 | 1.0 | 36 |
| ADV. GENETICS | AG3860NSTS | 31.0 | --- | --- | --- | --- | --- | --- | 83 | --- | --- | --- | -1 | 1.0 | 41 |
| NC+ | 3A87 | 36.0 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | -1 | 1.0 | 35 |
| MIDLAND | 8371 | 38.5 | 39.6 | --- | --- | 39.0 | --- | --- | 103 | 114 | --- | --- | -1 | 1.0 | 40 |
| ADV. GENETICS | AG3797RR | 35.5 | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | 0 | 1.0 | 37 |
| | FLYER | 33.2 | 29.8 | 61.1 | 43.7 | 31.5 | 41.4 | 42.0 | 89 | 86 | 98 | 102 | 9/21 | 1.0 | 38 |
| NK | S38-L5 | 34.1 | 47.0 | --- | --- | 40.5 | --- | --- | 91 | 135 | --- | --- | 0 | 1.0 | 36 |
| ADV. GENETICS | AG3957RR | 43.4 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | 0 | 1.0 | 33 |
| MIDLAND | 8396STS | 39.7 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 0 | 1.0 | 38 |
| KSOY | MACON | 44.2 | 30.5 | 70.4 | 42.9 | 37.3 | 48.4 | 47.0 | 119 | 88 | 112 | 100 | 0 | 1.0 | 38 |
| ADV. GENETICS | AG3822NRR | 39.9 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 0 | 1.0 | 41 |
| ADV. GENETICS | BOUNTYSTS | 31.7 | --- | 64.2 | 41.5 | --- | --- | --- | 85 | --- | 102 | 97 | 1 | 1.0 | 42 |
| | WILLIAMS 82 | 30.5 | 18.1 | 51.7 | 41.6 | 24.3 | 33.4 | 35.5 | 82 | 52 | 82 | 97 | 1 | 1.0 | 40 |
| NK | S39-D9 | 43.4 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | 1 | 1.0 | 36 |
| | K1386 | 42.1 | --- | --- | --- | --- | --- | --- | 113 | --- | --- | --- | 2 | 1.0 | 42 |
| KSOY | STRESSLAND | 31.2 | 47.8 | 57.6 | 34.1 | 39.5 | 45.6 | 42.7 | 84 | 137 | 92 | 79 | 2 | 1.0 | 39 |
| | K1378 | 33.1 | --- | --- | --- | --- | --- | --- | 89 | --- | --- | --- | 2 | 1.0 | 41 |
| | A94-774021 | 40.8 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 2 | 1.0 | 29 |
| | HC93-4118 | 30.2 | --- | --- | --- | --- | --- | --- | 81 | --- | --- | --- | 3 | 1.0 | 38 |
| | K1370 | 35.9 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 3 | 1.0 | 41 |
| | K1340 | 35.0 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | 3 | 1.0 | 42 |
| | K1377 | 32.1 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | 3 | 1.0 | 39 |
| | K1380 | 29.8 | --- | --- | --- | --- | --- | --- | 80 | --- | --- | --- | 3 | 1.0 | 40 |
| | K1381 | 47.0 | --- | --- | --- | --- | --- | --- | 126 | --- | --- | --- | 3 | 1.0 | 39 |
| NK | S43-B5 | 32.7 | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | 3 | 1.0 | 38 |
| NK | S42-M1 | 35.2 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | 3 | 1.0 | 43 |
| | K1379 | 38.6 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 3 | 1.0 | 39 |
| MYCOGEN | 5404 | 40.6 | 42.7 | --- | --- | 41.6 | --- | --- | 109 | 123 | --- | --- | 4 | 1.0 | 40 |
| KSOY | KS4694 | 40.1 | 25.7 | 60.4 | 40.8 | 32.9 | 42.1 | 41.8 | 108 | 74 | 96 | 95 | 4 | 1.0 | 41 |
| TEST AVERAGES | | 37.3 | 34.8 | 62.7 | 42.9 | | | | | | | | | | |
| LSD (.10) | | 4.6 | 6.4 | 8.2 | 6.5 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 8. REPUBLIC COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|-----------------------|--------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|------|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUPS II-IV | | | | | | | | | | | | | | | |
| | IA2021 | 55.9 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | -11 | 1.0 | 32 |
| MIDLAND | 8287 | 56.5 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -9 | 1.0 | 37 |
| KSOY | KS3494 | 63.2 | 78.3 | 62.8 | 60.8 | 70.8 | 68.1 | 66.3 | 105 | 117 | 101 | 110 | -5 | 1.0 | 40 |
| STINE | 3290 | 56.4 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -5 | 1.0 | 38 |
| HOEGEMEYER | 312 | 57.2 | 78.8 | 59.9 | --- | 68.0 | 65.3 | --- | 95 | 117 | 96 | --- | -5 | 1.0 | 36 |
| MIDLAND | 8316STS | 56.9 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -5 | 1.0 | 39 |
| MIDLAND | 8321 | 65.4 | 75.8 | 65.3 | --- | 70.6 | 68.8 | --- | 109 | 113 | 105 | --- | -5 | 1.0 | 38 |
| RENZE | R3297 | 56.8 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -4 | 1.0 | 40 |
| MIDLAND | 8355 | 66.2 | 77.0 | 62.0 | 57.7 | 71.6 | 68.4 | 65.7 | 110 | 115 | 99 | 105 | -3 | 1.0 | 34 |
| MIDLAND | 8334 | 61.9 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | -3 | 1.0 | 37 |
| RENZE | R3599 | 60.9 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | -3 | 1.0 | 40 |
| MIDLAND | 8345 | 60.5 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -3 | 1.0 | 42 |
| PIONEER | 93B53 | 54.6 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | -2 | 1.0 | 39 |
| ADV. GENETICS | AG3630STS | 64.0 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | -2 | 1.0 | 40 |
| | SHERMAN | 55.0 | 74.3 | 58.6 | 61.2 | 64.7 | 62.7 | 62.3 | 91 | 111 | 94 | 111 | -2 | 1.0 | 39 |
| STINE | 3398-8 | 63.0 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | -2 | 1.0 | 36 |
| STINE | 3690-0 | 58.8 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | -1 | 1.0 | 37 |
| DEKALB | CX377 | 66.5 | 79.5 | 63.2 | 59.1 | 73.0 | 69.7 | 67.1 | 110 | 118 | 101 | 107 | -1 | 1.0 | 40 |
| MIDLAND | 8386STS | 57.9 | 63.6 | 62.2 | --- | 60.8 | 61.2 | --- | 96 | 95 | 100 | --- | -1 | 1.0 | 40 |
| NK | S38-L5 | 63.8 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | -1 | 1.0 | 40 |
| MIDLAND | 8371 | 57.5 | 66.9 | 61.4 | --- | 62.2 | 61.9 | --- | 95 | 100 | 98 | --- | 0 | 1.0 | 39 |
| MIDLAND | 8388 | 61.5 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 0 | 1.0 | 39 |
| | RESNIK | 58.0 | 60.3 | 56.8 | 53.3 | 59.1 | 58.4 | 57.1 | 96 | 90 | 91 | 97 | 0 | 1.0 | 39 |
| | FLYER | 53.7 | 66.7 | 63.6 | 52.9 | 60.2 | 61.3 | 59.2 | 89 | 99 | 102 | 96 | 9/23 | 1.0 | 40 |
| PIONEER | 93B82 | 62.7 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 0 | 1.0 | 41 |
| HOEGEMEYER | 380 | 61.6 | 74.0 | 63.2 | 51.7 | 67.8 | 66.3 | 62.6 | 102 | 110 | 101 | 94 | 0 | 1.0 | 39 |
| AGRIPRO | AP3880 | 63.2 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 0 | 1.0 | 39 |
| ADV. GENETICS | AG3860NSTS | 65.4 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 0 | 1.0 | 42 |
| MIDLAND | 8396STS | 65.5 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 0 | 1.0 | 38 |
| KSOY | MACON | 69.1 | 64.4 | 61.7 | 62.7 | 66.8 | 65.1 | 64.5 | 115 | 96 | 99 | 114 | 1 | 1.0 | 41 |
| NC+ | 3A87 | 62.2 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 1 | 1.0 | 39 |
| KSOY | STRESSLAND | 59.0 | 63.1 | 61.1 | 47.8 | 61.1 | 61.1 | 57.7 | 98 | 94 | 98 | 87 | 1 | 1.0 | 42 |
| TAYLOR | 396 | 65.2 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 1 | 1.0 | 40 |
| | WILLIAMS 82 | 53.4 | 54.4 | 56.3 | 50.8 | 53.9 | 54.7 | 53.7 | 89 | 81 | 90 | 92 | 1 | 1.0 | 43 |
| STINE | 3990-0 | 64.0 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 1 | 1.0 | 41 |
| GARST | D398(EX7398) | 67.6 | 74.7 | --- | --- | 71.2 | --- | --- | 112 | 111 | --- | --- | 1 | 1.0 | 40 |

(CONTINUED)

TABLE 8. REPUBLIC COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|---------------|--------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| HC93-4118 | 64.3 --- --- | --- | --- | --- | --- | 107 | --- | --- | --- | 2 | 1.0 | 38 | | | |
| | K1380 | 62.6 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 2 | 1.0 | 41 |
| | K1386 | 64.4 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 2 | 1.0 | 42 |
| | K1370 | 53.3 | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | 3 | 1.0 | 42 |
| | K1377 | 53.5 | --- | --- | --- | --- | --- | --- | 89 | --- | --- | --- | 3 | 1.0 | 42 |
| NC+ | 4A10 | 60.6 | 72.7 | --- | 58.1 | 66.7 | --- | --- | 101 | 108 | --- | 105 | 3 | 1.0 | 39 |
| NK | S43-B5 | 53.9 | 63.6 | --- | --- | 58.8 | --- | --- | 89 | 95 | --- | --- | 3 | 1.0 | 40 |
| | A94-774021 | 65.3 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 3 | 1.0 | 32 |
| MYCOGEN | 5404 | 63.9 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 3 | 1.0 | 41 |
| | K1340 | 58.5 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 3 | 1.0 | 41 |
| DEKALB | CX400 | 62.0 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 3 | 1.0 | 41 |
| | K1378 | 55.0 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 3 | 1.0 | 43 |
| | K1379 | 60.4 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 3 | 1.0 | 41 |
| | K1381 | 60.5 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 3 | 1.0 | 38 |
| HOEGEMEYER | 402STS | 55.0 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 3 | 1.0 | 39 |
| MYCOGEN | 5430 | 55.9 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 3 | 1.0 | 40 |
| KSOY | KS4694 | 53.4 | 54.6 | 63.7 | 48.1 | 54.0 | 57.2 | 55.0 | 89 | 81 | 102 | 87 | 4 | 1.0 | 43 |
| TEST AVERAGES | | 60.3 | 67.1 | 62.4 | 55.2 | | | | | | | | | | |
| LSD (.10) | | 4.6 | 5.1 | 3.6 | 5.5 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 9. HARVEY COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT SCORE | LODGING 1998 | HT IN |
|------------------------|-------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|--------------|-----------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUPS II-III | | | | | | | | | | | | | | | |
| | IA2021 | 34.0 | --- | --- | --- | --- | --- | --- | 131 | --- | --- | --- | -11 | 1.0 | 23 |
| WILSON | 3380 | 30.7 | 45.4 | --- | --- | 38.0 | --- | --- | 118 | 106 | --- | --- | -8 | 1.1 | 32 |
| | A94-774021 | 34.4 | --- | --- | --- | --- | --- | --- | 132 | --- | --- | --- | -7 | 1.0 | 27 |
| KSOY | KS3494 | 25.3 | 39.7 | 52.4 | 24.0 | 32.5 | 39.1 | 35.3 | 97 | 93 | 97 | 98 | -6 | 1.3 | 37 |
| | SHERMAN | 24.0 | 41.7 | 48.3 | 25.3 | 32.9 | 38.0 | 34.8 | 92 | 97 | 90 | 103 | -6 | 1.0 | 36 |
| WILSON | E8362 | 29.3 | --- | --- | --- | --- | --- | --- | 113 | --- | --- | --- | -5 | 1.1 | 35 |
| STINE | 3870-0 | 27.5 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | -5 | 1.1 | 33 |
| PIONEER | 93B53 | 30.1 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | -5 | 1.0 | 32 |
| PIONEER | 9352 | 27.2 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | -4 | 1.1 | 32 |
| | RESNIK | 26.0 | 38.6 | 55.4 | 25.9 | 32.3 | 40.0 | 36.5 | 100 | 90 | 103 | 106 | -4 | 1.1 | 33 |
| WILLCROSS | 9378STS | 25.8 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | -3 | 1.0 | 36 |
| DYNA-GRO | DG-3395 | 24.6 | 48.1 | 62.7 | --- | 36.4 | 45.1 | --- | 95 | 112 | 116 | --- | -3 | 1.0 | 33 |
| PIONEER | 93B82 | 29.1 | --- | --- | --- | --- | --- | --- | 112 | --- | --- | --- | -2 | 1.1 | 34 |
| DYNA-GRO | DG-3368 | 27.1 | --- | 50.3 | 25.7 | --- | --- | --- | 104 | --- | 93 | 105 | -2 | 1.5 | 36 |
| KSOY | MACON | 27.7 | 48.9 | 57.5 | 23.3 | 38.3 | 44.7 | 39.4 | 107 | 114 | 107 | 95 | -2 | 1.0 | 32 |
| M/W GENETICS | G3996 | 24.1 | 52.3 | 62.6 | 23.0 | 38.2 | 46.3 | 40.5 | 93 | 122 | 116 | 94 | -2 | 1.1 | 35 |
| DEKALB | CX399 | 22.6 | 47.0 | --- | --- | 34.8 | --- | --- | 87 | 110 | --- | --- | -2 | 1.4 | 39 |
| MIDLAND | 8371 | 22.2 | 48.3 | 64.3 | --- | 35.3 | 44.9 | --- | 85 | 113 | 119 | --- | -1 | 1.3 | 36 |
| HOEGEMEYER | 380 | 26.0 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -1 | 1.1 | 35 |
| MIDLAND | 8396STS | 25.2 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | -1 | 0.8 | 29 |
| MIDLAND | 8386STS | 19.6 | 41.7 | 53.1 | --- | 30.6 | 38.1 | --- | 75 | 97 | 99 | --- | -1 | 1.4 | 42 |
| WILLCROSS | 9738 | 21.6 | --- | --- | --- | --- | --- | --- | 83 | --- | --- | --- | 0 | 1.0 | 35 |
| | WILLIAMS 82 | 14.0 | 28.8 | 53.2 | 20.9 | 21.4 | 32.0 | 29.2 | 54 | 67 | 99 | 86 | 1 | 1.3 | 43 |
| TEST AVERAGES | | 26.0 | 42.9 | 53.9 | 24.5 | | | | | | | | | | |
| LSD (.10) | | 2.0 | 6.8 | 8.3 | 2.3 | | | | | | | | | | |

(CONTINUED)

TABLE 9. HARVEY COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|----------------------------------|----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUP IV | | | | | | | | | | | | | | | |
| WILLCROSS | HC93-4118 | 29.6 | --- | --- | --- | --- | --- | --- | 166 | --- | --- | --- | -3 | 1.1 | 34 |
| | 9640 | 26.0 | --- | --- | --- | --- | --- | --- | 146 | --- | --- | --- | -3 | 1.0 | 38 |
| | K1381 | 18.5 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | -2 | 1.1 | 36 |
| | K1386 | 25.1 | --- | --- | --- | --- | --- | --- | 141 | --- | --- | --- | -1 | 1.7 | 40 |
| MYCOGEN | 5404 | 22.2 | 45.0 | --- | --- | 33.6 | --- | --- | 125 | 107 | --- | --- | -1 | 1.1 | 40 |
| | K1370 | 20.8 | --- | --- | --- | --- | --- | --- | 117 | --- | --- | --- | -1 | 1.4 | 42 |
| | K1340 | 13.9 | --- | --- | --- | --- | --- | --- | 78 | --- | --- | --- | 0 | 1.6 | 42 |
| | FLYER | 20.6 | 48.4 | 49.2 | 24.3 | 34.5 | 39.4 | 35.6 | 116 | 114 | 88 | 98 | 9/5 | 1.1 | 36 |
| M/W GENETICS | G4555 | 15.0 | --- | --- | --- | --- | --- | --- | 84 | --- | --- | --- | 0 | 1.7 | 43 |
| WILLCROSS | 9449NSTS | 19.0 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 1 | 1.1 | 40 |
| KSOY | STRESSLAND | 21.3 | 39.8 | 56.5 | 24.7 | 30.5 | 39.2 | 35.6 | 120 | 94 | 102 | 100 | 1 | 1.1 | 42 |
| AGRIPRO | AP4500 | 16.0 | 44.9 | --- | --- | 30.4 | --- | --- | 90 | 106 | --- | --- | 1 | 1.5 | 41 |
| NC+ | 4A10 | 24.3 | 48.8 | --- | --- | 36.5 | --- | --- | 137 | 115 | --- | --- | 1 | 1.0 | 36 |
| ADV. GENETICS | DS454(DeLange) | 16.2 | 47.7 | --- | --- | 31.9 | --- | --- | 91 | 113 | --- | --- | 2 | 1.6 | 42 |
| | K1379 | 21.0 | --- | --- | --- | --- | --- | --- | 118 | --- | --- | --- | 2 | 1.0 | 36 |
| | 9841 | 18.5 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 2 | 1.0 | 38 |
| WILLCROSS | K1377 | 22.8 | --- | --- | --- | --- | --- | --- | 128 | --- | --- | --- | 3 | 1.1 | 38 |
| | K1380 | 23.0 | --- | --- | --- | --- | --- | --- | 130 | --- | --- | --- | 3 | 1.1 | 38 |
| | 8431 | 14.7 | 43.3 | 67.0 | --- | 29.0 | 41.6 | --- | 83 | 102 | 120 | --- | 3 | 1.3 | 39 |
| MIDLAND | 8431 | 14.7 | 43.3 | 67.0 | --- | 29.0 | 41.6 | --- | 83 | 102 | 120 | --- | 3 | 1.3 | 39 |
| GOLDEN HARVEST | H-1454 | 21.0 | --- | --- | --- | --- | --- | --- | 118 | --- | --- | --- | 4 | 1.0 | 42 |
| WILLCROSS | RR2448 | 12.4 | --- | --- | --- | --- | --- | --- | 70 | --- | --- | --- | 4 | 1.1 | 48 |
| | K1378 | 17.3 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 5 | 1.5 | 41 |
| DELTAPINE | DP3478 | 13.5 | --- | --- | --- | --- | --- | --- | 76 | --- | --- | --- | 5 | 1.0 | 43 |
| LEWIS | 390 | 13.6 | --- | --- | --- | --- | --- | --- | 76 | --- | --- | --- | 5 | 1.0 | 43 |
| WILLCROSS | RR2449N | 14.2 | --- | --- | --- | --- | --- | --- | 80 | --- | --- | --- | 5 | 1.2 | 43 |
| KSOY | KS4694 | 16.1 | 34.4 | 58.5 | 24.7 | 25.2 | 36.3 | 33.4 | 90 | 81 | 105 | 100 | 8 | 1.2 | 40 |
| DELTAPINE | DPS8S49(EXP) | 7.0 | --- | --- | --- | --- | --- | --- | 40 | --- | --- | --- | 25 | 1.0 | 45 |
| DELTAPINE | DP3519S | 5.6 | --- | --- | --- | --- | --- | --- | 32 | --- | --- | --- | 27 | 1.0 | 37 |
| WILLCROSS | RR2517N | 6.9 | --- | --- | --- | --- | --- | --- | 39 | --- | --- | --- | 29 | 1.0 | 40 |
| TEST AVERAGES | | 17.8 | 42.3 | 55.7 | 24.8 | | | | | | | | | | |
| LSD (.10) | | 2.2 | 6.4 | 8.0 | 2.6 | | | | | | | | | | |
| LSD (.1 BETWEEN MATURITY GROUPS) | | 2.2 | 6.9 | 8.3 | 1.9 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 10. STAFFORD COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING | HT |
|-----------------------|----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|----------------|---------|----|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | -----1998----- | SCORE | IN |
| MATURITY GROUPS II-IV | | | | | | | | | | | | | | | |
| WILSON | RESNIK | 37.4 | 34.2 | 47.0 | 47.3 | 35.8 | 39.5 | 41.5 | 94 | 77 | 84 | 94 | -5 | 1.0 | 22 |
| | 3380 | 51.4 | 42.9 | --- | --- | 47.2 | --- | --- | 130 | 96 | --- | --- | -4 | 1.0 | 31 |
| | SHERMAN | 34.2 | 48.6 | 59.0 | 46.9 | 41.4 | 47.3 | 47.2 | 86 | 109 | 105 | 93 | -4 | 1.3 | 31 |
| | IA2021 | 34.9 | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | -4 | 1.0 | 25 |
| ADV. GENETICS | AG3860NSTS | 33.3 | --- | --- | --- | --- | --- | --- | 84 | --- | --- | --- | -3 | 1.0 | 37 |
| KSOY | KS3494 | 41.2 | 41.9 | 48.5 | 49.8 | 41.5 | 43.9 | 45.3 | 104 | 94 | 87 | 99 | -3 | 1.0 | 37 |
| MIDLAND | 8371 | 36.7 | 46.1 | 54.4 | --- | 41.4 | 45.7 | --- | 93 | 103 | 97 | --- | -2 | 1.3 | 32 |
| HOEGEMEYER | 380 | 43.0 | --- | --- | 54.6 | --- | --- | --- | 109 | --- | --- | 109 | -2 | 1.0 | 39 |
| | K1381 | 41.6 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | -2 | 1.3 | 36 |
| WILLCROSS | 9378STS | 38.5 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | -2 | 1.3 | 35 |
| WILSON | E8362 | 36.6 | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | -2 | 1.0 | 35 |
| KSOY | MACON | 41.4 | 47.0 | 59.0 | 62.2 | 44.2 | 49.1 | 52.4 | 105 | 105 | 105 | 124 | -2 | 1.3 | 33 |
| WILLCROSS | 9640 | 37.1 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | -1 | 1.0 | 38 |
| TERRA | TS415 | 47.9 | --- | --- | --- | --- | --- | --- | 121 | --- | --- | --- | -1 | 1.0 | 31 |
| DEKALB | CX400 | 39.7 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 0 | 1.0 | 32 |
| ADV. GENETICS | AG3630STS | 51.2 | --- | --- | --- | --- | --- | --- | 129 | --- | --- | --- | 0 | 1.0 | 35 |
| KSOY | WILLIAMS 82 | 34.2 | 35.6 | 49.4 | 43.1 | 34.9 | 39.7 | 40.6 | 86 | 80 | 88 | 86 | 0 | 1.3 | 39 |
| | STRESSLAND | 38.0 | 49.9 | 63.0 | 54.0 | 43.9 | 50.3 | 51.2 | 96 | 112 | 112 | 108 | 0 | 1.3 | 36 |
| | FLYER | 40.0 | 42.5 | 52.3 | 52.3 | 41.2 | 44.9 | 46.8 | 101 | 95 | 93 | 104 | 9/25 | 1.0 | 35 |
| ADV. GENETICS | DS454(DeLange) | 38.8 | 51.6 | --- | --- | 45.2 | --- | --- | 98 | 116 | --- | --- | 0 | 1.0 | 37 |
| STINE | 3990-0 | 45.2 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | 0 | 1.0 | 36 |
| PIONEER | 9395 | 39.7 | 46.6 | --- | --- | 43.1 | --- | --- | 100 | 104 | --- | --- | 0 | 1.0 | 34 |
| | K1340 | 34.4 | --- | --- | --- | --- | --- | --- | 87 | --- | --- | --- | 0 | 1.3 | 40 |
| ADV. GENETICS | AG4188STS | 43.0 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 0 | 1.3 | 31 |
| PIONEER | 9352 | 42.9 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 0 | 1.0 | 31 |
| | HC93-4118 | 42.4 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 0 | 1.3 | 31 |
| | TS364T(E364T) | 42.2 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 0 | 1.0 | 30 |
| TERRA | K1370 | 37.1 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | 0 | 1.8 | 38 |
| | K1380 | 39.9 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 0 | 1.0 | 37 |
| | 9738 | 38.6 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 0 | 1.0 | 31 |
| MIDLAND | 8396STS | 36.7 | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 0 | 1.3 | 33 | |
| NC+ | 4A10 | 39.0 | 55.0 | 66.6 | 58.9 | 47.0 | 53.6 | 54.9 | 99 | 123 | 119 | 117 | 0 | 1.0 | 31 |
| | A94-774021 | 47.7 | --- | --- | --- | --- | --- | --- | 120 | --- | --- | --- | 0 | 1.0 | 27 |
| PIONEER | 93B82 | 46.9 | 43.2 | --- | --- | 45.0 | --- | --- | 118 | 97 | --- | --- | 1 | 1.3 | 32 |
| TERRA | TS387 | 47.0 | --- | --- | --- | --- | --- | --- | 119 | --- | --- | --- | 1 | 1.0 | 32 |
| TERRA | E394 | 40.0 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 1 | 1.3 | 36 |
| | K1386 | 31.9 | --- | --- | --- | --- | --- | --- | 80 | --- | --- | --- | 1 | 1.0 | 32 |
| AGRIPRO | AP4500 | 33.9 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | 1 | 1.3 | 37 |
| ADV. GENETICS | GALAXY | 42.5 | 47.4 | 60.6 | 55.0 | 45.0 | 50.2 | 51.4 | 107 | 106 | 108 | 109 | 1 | 1.0 | 33 |
| WILLCROSS | 9841 | 42.5 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 1 | 1.0 | 34 |

(CONTINUED)

TABLE 10. STAFFORD COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1998. (CONTINUED)

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|---------------|-----------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| KSOY | KS4694 | 34.8 | 43.3 | 57.2 | 47.6 | 39.0 | 45.1 | 45.7 | 88 | 97 | 102 | 95 | 1 | 1.3 | 35 |
| | K1379 | 36.6 | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | 1 | 1.0 | 36 |
| WILLCROSS | 9449NSTS | 42.6 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 1 | 1.3 | 37 |
| DEKALB | CX445 | 41.9 | 50.7 | 65.0 | 49.1 | 46.3 | 52.6 | 51.7 | 106 | 113 | 116 | 98 | 1 | 1.3 | 37 |
| MIDLAND | 8386STS | 41.3 | 51.8 | 61.1 | --- | 46.5 | 51.4 | --- | 104 | 116 | 109 | --- | 1 | 1.3 | 35 |
| GARST | D398 (EX7398) | 43.4 | 47.2 | --- | --- | 45.3 | --- | --- | 110 | 106 | --- | --- | 1 | 1.0 | 30 |
| ADV. GENETICS | DS410 (DeLange) | 41.9 | 40.0 | 62.1 | 48.9 | 41.0 | 48.0 | 48.2 | 106 | 90 | 111 | 97 | 1 | 1.0 | 36 |
| | K1377 | 42.4 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 1 | 1.0 | 34 |
| LEWIS | 390 | 38.5 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 1 | 1.3 | 40 |
| WILLCROSS | RR2448 | 37.3 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | 2 | 1.3 | 39 |
| | K1378 | 40.0 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 2 | 1.3 | 38 |
| DELTAPINE | DP3478 | 39.2 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | 3 | 1.3 | 37 |
| MIDLAND | 8431 | 39.4 | --- | 57.1 | --- | --- | --- | --- | 99 | --- | 102 | --- | 3 | 1.0 | 31 |
| TERRA | TS474 | 38.9 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 7 | 1.5 | 39 |
| DELTAPINE | DP3519S | 27.2 | --- | --- | --- | --- | --- | --- | 69 | --- | --- | --- | 14 | 2.0 | 40 |
| WILLCROSS | RR2517N | 23.1 | --- | --- | --- | --- | --- | --- | 58 | --- | --- | --- | 18 | 1.5 | 39 |
| TEST AVERAGES | | 39.6 | 44.7 | 56.0 | 50.2 | | | | | | | | | | |
| LSD (.10) | | 7.2 | 6.4 | 5.5 | 5.6 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 11. THOMAS COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING | HT | |
|---------------|-------------|-----------------------|------|------|------|------|------|------|-------------------------------|------|------|------|----------------|---------|----|--|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | -----1998----- | SCORE | IN | |
| | | MATURITY GROUPS II-IV | | | | | | | | | | | | | | |
| | IA2021 | 58.4 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | -11 | 1.0 | 32 | |
| NC+ | 2A99 | 66.5 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | -8 | 1.0 | 36 | |
| MIDLAND | 8321 | 64.9 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | -6 | 1.0 | 38 | |
| PIONEER | 93B51 | 64.3 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -2 | 1.0 | 38 | |
| KSOY | MACON | 63.6 | 77.9 | 52.0 | 37.3 | 70.8 | 64.5 | 57.7 | 99 | 111 | 107 | 105 | -1 | 1.0 | 36 | |
| NK | S33-P2 | 74.9 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | -1 | 1.3 | 40 | |
| | A94-774021 | 67.3 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | -1 | 1.0 | 33 | |
| | RESNIK | 57.9 | 71.9 | 54.0 | 35.0 | 64.9 | 61.3 | 54.7 | 90 | 102 | 111 | 98 | -1 | 1.3 | 39 | |
| AGRIPRO | AP3250 | 64.4 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | -1 | 1.3 | 42 | |
| KSOY | KS3494 | 66.2 | 73.0 | 56.3 | 40.9 | 69.6 | 65.1 | 59.1 | 103 | 104 | 116 | 115 | -1 | 2.0 | 39 | |
| | K1370 | 58.5 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 0 | 2.0 | 42 | |
| | SHERMAN | 64.6 | 72.3 | 51.0 | 36.3 | 68.5 | 62.6 | 56.1 | 100 | 103 | 105 | 102 | 0 | 1.5 | 41 | |
| | FLYER | 66.8 | 72.2 | 54.0 | 34.2 | 69.5 | 64.3 | 56.8 | 104 | 103 | 111 | 96 | 9/27 | 1.5 | 41 | |
| NC+ | 3A26 | 65.8 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 0 | 1.3 | 38 | |
| PIONEER | 93B34 | 62.7 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 0 | 1.5 | 40 | |
| MIDLAND | 8396STS | 70.6 | --- | --- | --- | --- | --- | --- | 110 | --- | --- | --- | 0 | 1.3 | 40 | |
| | K1380 | 68.9 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 0 | 1.3 | 44 | |
| | K1377 | 68.1 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 0 | 1.3 | 42 | |
| | HC93-4118 | 66.8 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 0 | 1.5 | 39 | |
| PIONEER | 93B71 | 66.8 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 0 | 2.0 | 43 | |
| MIDLAND | 8371 | 63.3 | --- | 51.8 | --- | --- | --- | --- | 98 | --- | 106 | --- | 0 | 1.8 | 41 | |
| | K1379 | 67.6 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 1 | 1.3 | 43 | |
| KSOY | STRESSLAND | 65.0 | 74.8 | 60.0 | 33.8 | 69.9 | 66.6 | 58.4 | 101 | 106 | 123 | 95 | 1 | 1.5 | 43 | |
| | WILLIAMS 82 | 54.5 | 60.4 | 54.0 | 30.6 | 57.5 | 56.3 | 49.9 | 85 | 86 | 111 | 86 | 1 | 1.8 | 46 | |
| | K1386 | 54.0 | --- | --- | --- | --- | --- | --- | 84 | --- | --- | --- | 1 | 2.0 | 40 | |
| MIDLAND | 8386STS | 55.5 | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | 2 | 2.0 | 44 | |
| | K1381 | 59.8 | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 2 | 1.8 | 38 | |
| | K1340 | 67.0 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 2 | 2.0 | 44 | |
| MIDLAND | 8393 | 63.6 | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | 4 | 1.8 | 42 | |
| | K1378 | 67.8 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 5 | 2.5 | 45 | |
| KSOY | KS4694 | 70.6 | 77.3 | 58.5 | 26.7 | 73.9 | 68.8 | 58.3 | 110 | 110 | 120 | 75 | 11 | 3.0 | 44 | |
| TEST AVERAGES | | 64.4 | 70.4 | 48.6 | 35.6 | | | | | | | | | | | |
| LSD (.10) | | 5.5 | 6.3 | 5.5 | 7.5 | | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 12. FINNEY COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN |
|----------------------------------|--------------|-----------------|------|------|------|------|------|------|-------------------------------|------|------|------|-----|------------------|----------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | |
| MATURITY GROUPS II-III | | | | | | | | | | | | | | | |
| | IA2021 | 31.6 | --- | --- | --- | --- | --- | --- | 84 | --- | --- | --- | 6 | 1.7 | 29 |
| | SHERMAN | 32.6 | 54.3 | 53.4 | 26.9 | 43.4 | 46.7 | 41.8 | 87 | 105 | 104 | 81 | 10 | 1.3 | 31 |
| STINE | X3506 | 40.3 | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 11 | 2.0 | 35 |
| PIONEER | 93B51 | 38.1 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 11 | 2.0 | 34 |
| | A94-774021 | 39.1 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 13 | 1.7 | 28 |
| | RESNIK | 32.6 | 47.2 | 52.7 | 29.0 | 39.9 | 44.2 | 40.4 | 87 | 91 | 103 | 87 | 13 | 2.3 | 33 |
| KSOY | MACON | 35.6 | 60.7 | 50.9 | 27.9 | 48.1 | 49.1 | 43.8 | 95 | 118 | 100 | 84 | 14 | 1.3 | 31 |
| STINE | 3171-1 | 37.7 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 15 | 1.0 | 32 |
| KSOY | KS3494 | 40.3 | 57.7 | 57.2 | 31.5 | 49.0 | 51.7 | 46.7 | 107 | 112 | 112 | 95 | 15 | 1.7 | 35 |
| STINE | 3870-0 | 36.4 | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | 16 | 1.7 | 24 |
| PIONEER | 93B71 | 42.8 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | 16 | 2.0 | 36 |
| GARST | D398(EX7398) | 33.6 | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | 16 | 1.0 | 27 |
| | WILLIAMS 82 | 41.4 | 38.8 | 55.7 | 32.6 | 40.1 | 45.3 | 42.1 | 110 | 75 | 109 | 98 | 20 | 1.3 | 35 |
| MIDLAND | 8393 | 43.3 | 39.5 | 56.8 | 39.9 | 41.4 | 46.5 | 44.9 | 115 | 77 | 111 | 120 | 20 | 1.7 | 41 |
| TEST AVERAGES | | 37.5 | 51.7 | 51.1 | 33.3 | | | | | | | | | | |
| LSD (.10) | | NS | 11.6 | 7.5 | 6.0 | | | | | | | | | | |
| MATURITY GROUP IV | | | | | | | | | | | | | | | |
| | K1386 | 41.8 | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | 17 | 1.0 | 37 |
| DEKALB | CX445 | 49.9 | 52.4 | 52.8 | 41.8 | 51.2 | 51.7 | 49.2 | 114 | 99 | 103 | 114 | 17 | 1.0 | 43 |
| | K1370 | 41.4 | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | 17 | 1.0 | 41 |
| | K1380 | 42.4 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 17 | 1.7 | 41 |
| | K1340 | 43.9 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 18 | 2.0 | 42 |
| DEKALB | CX400 | 37.2 | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | 18 | 1.0 | 28 |
| | SPARKS | 41.9 | --- | 46.1 | 37.1 | --- | --- | --- | 95 | --- | 89 | 101 | 18 | 1.0 | 42 |
| PIONEER | 94B01 | 49.8 | --- | --- | --- | --- | --- | --- | 113 | --- | --- | --- | 18 | 1.0 | 33 |
| | HC93-4118 | 45.5 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | 18 | 1.0 | 33 |
| | K1377 | 48.7 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 19 | 1.0 | 40 |
| | K1381 | 47.8 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 20 | 1.0 | 36 |
| AGRIPRO | AP4500 | 51.0 | 57.7 | --- | --- | 54.3 | --- | --- | 116 | 109 | --- | --- | 21 | 1.3 | 42 |
| PIONEER | 94B41 | 38.8 | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | 22 | 1.3 | 36 |
| KSOY | STRESSLAND | 43.4 | 60.4 | 54.7 | 49.8 | 51.9 | 52.8 | 52.1 | 99 | 114 | 106 | 136 | 23 | 1.3 | 33 |
| MIDLAND | 8431 | 51.1 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | 23 | 1.0 | 41 |
| | K1379 | 47.5 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 24 | 1.0 | 40 |
| NK | S46-W8 | 42.0 | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 24 | 1.0 | 39 |
| | K1378 | 46.2 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 25 | 1.0 | 44 |
| KSOY | KS4694 | 37.8 | 44.7 | 47.8 | 36.9 | 41.3 | 43.4 | 41.8 | 86 | 84 | 93 | 101 | 26 | 1.3 | 45 |
| AGRIPRO | AP4880 | 39.4 | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | 28 | 1.0 | 28 |
| NK | S51-T1 | 35.4 | --- | --- | --- | --- | --- | --- | 81 | --- | --- | --- | 46 | 1.0 | 50 |
| TEST AVERAGES | | 44.0 | 53.0 | 51.5 | 36.6 | | | | | | | | | | |
| LSD (.10) | | NS | NS | NS | 4.7 | | | | | | | | | | |
| LSD (.1 BETWEEN MATURITY GROUPS) | | 11.6 | 13.0 | 9.6 | 5.7 | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 13. CHEROKEE COUNTY SOYBEAN PERFORMANCE ON SOIL INFESTED WITH SOYBEAN CYST NEMATODE, RACE 3 (DRYLAND), 1995-1998.

| BRAND | ENTRY | YIELD (Bu/A) | | | | | | | YIELD AS % OF TEST AVERAGE | | | | MAT | LODGING SCORE | HT IN | |
|------------------|----------------|-----------------|------|-----------------|------|------|------|------|-------------------------------|------|------|------|------|------------------|----------|----------------|
| | | 1998 | 1997 | 1996 | 1995 | 2-Yr | 3-Yr | 4-Yr | 1998 | 1997 | 1996 | 1995 | | | | -----1998----- |
| | | | | MATURITY GROUPS | | | IV-V | | | | | | | | | |
| | FLYER | 25.3 | 27.9 | 25.3 | 18.1 | 26.6 | 26.2 | 24.1 | 90 | 74 | 84 | 67 | 9/14 | 1.5 | 34 | |
| GOLDEN HARVEST | H-1454 | 29.4 | 34.8 | 29.9 | 25.6 | 32.1 | 31.4 | 29.9 | 104 | 92 | 99 | 95 | 1 | 1.0 | 38 | |
| TERRA | E438 | 31.8 | --- | --- | --- | --- | --- | --- | 113 | --- | --- | --- | 1 | 2.5 | 36 | |
| MIDLAND | 8421N | 32.9 | --- | --- | --- | --- | --- | --- | 117 | --- | --- | --- | 1 | 2.8 | 41 | |
| DYNA-GRO | DG-3411NSTS | 31.4 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 1 | 1.3 | 37 | |
| HOEGEMEYER | 471SCN | 24.6 | 37.5 | --- | --- | 31.0 | --- | --- | 87 | 99 | --- | --- | 1 | 1.0 | 33 | |
| DYNA-GRO | DG-3438N | 32.0 | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | 2 | 2.3 | 36 | |
| MISSOURI PREMIUM | MUSTANG | 26.3 | 40.3 | --- | --- | 33.3 | --- | --- | 93 | 106 | --- | --- | 2 | 1.3 | 39 | |
| MIDLAND | 8420STS | 27.6 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 2 | 1.5 | 36 | |
| MIDLAND | X450NSTS | 31.2 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 3 | 2.0 | 35 | |
| KSOY | STRESSLAND | 24.3 | 32.9 | 26.7 | 19.3 | 28.6 | 28.0 | 25.8 | 86 | 87 | 88 | 72 | 3 | 1.5 | 38 | |
| MISSOURI PREMIUM | MAGELLAN | 25.3 | 34.4 | --- | --- | 29.8 | --- | --- | 90 | 91 | --- | --- | 3 | 1.5 | 35 | |
| MYCOGEN | 5474 | 24.1 | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | 3 | 1.0 | 36 | |
| PIONEER | 94B41 | 25.0 | 41.7 | --- | --- | 33.3 | --- | --- | 89 | 110 | --- | --- | 3 | 1.0 | 33 | |
| WILLCROSS | 9449NSTS | 20.5 | --- | --- | --- | --- | --- | --- | 73 | --- | --- | --- | 4 | 1.3 | 35 | |
| DEKALB | CX496C | 29.0 | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 4 | 2.3 | 40 | |
| NK | S46-W8 | 25.5 | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | 4 | 1.3 | 34 | |
| STINE | 4199-2 | 28.8 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 5 | 1.5 | 36 | |
| HOEGEMEYER | 460NRR | 30.6 | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 6 | 1.5 | 37 | |
| WILLCROSS | RR2449N | 27.7 | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 6 | 1.8 | 35 | |
| DEKALB | CX510C | 30.4 | 41.7 | 32.0 | --- | 36.0 | 34.7 | --- | 108 | 110 | 106 | --- | 6 | 1.0 | 21 | |
| TERRA | TS504 | 24.9 | 41.3 | 31.0 | --- | 33.1 | 32.4 | --- | 88 | 109 | 103 | --- | 7 | 1.0 | 24 | |
| WILLCROSS | RR2467N | 31.4 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | 7 | 1.5 | 40 | |
| GOLDEN HARVEST | H-1500 | 26.1 | 38.6 | 31.3 | 30.4 | 32.4 | 32.0 | 31.6 | 93 | 102 | 104 | 113 | 7 | 1.0 | 25 | |
| NK | 3505 | 27.0 | 40.4 | --- | --- | 33.7 | --- | --- | 96 | 107 | --- | --- | 7 | 1.3 | 26 | |
| MIDLAND | 8475 | 31.0 | 40.1 | 33.9 | 28.4 | 35.5 | 35.0 | 33.3 | 110 | 106 | 112 | 105 | 8 | 1.5 | 35 | |
| ADV. GENETICS | DS466(DeLange) | 30.2 | 31.2 | 38.0 | --- | 30.7 | 33.1 | --- | 107 | 82 | 126 | --- | 8 | 1.5 | 35 | |
| | K1366 | 24.5 | --- | --- | --- | --- | --- | --- | 87 | --- | --- | --- | 9 | 1.0 | 23 | |
| PIONEER | 9492 | 32.0 | 40.7 | --- | --- | 36.3 | --- | --- | 113 | 107 | --- | --- | 10 | 1.5 | 35 | |
| TERRA | TS4792 | 28.8 | 38.9 | 31.5 | 27.5 | 33.9 | 33.1 | 31.7 | 102 | 103 | 104 | 102 | 10 | 2.0 | 50 | |
| AGRIPRO | AP4540SCN | 30.0 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 10 | 1.0 | 35 | |
| | KS5292 | 26.1 | 39.1 | 27.7 | 28.7 | 32.6 | 31.0 | 30.4 | 92 | 103 | 92 | 107 | 11 | 1.0 | 22 | |
| GOLDEN HARVEST | H-1487 | 28.4 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 12 | 1.8 | 36 | |
| PIONEER | 95B33 | 29.8 | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | 13 | 1.3 | 27 | |
| | MANOKIN | 26.7 | 40.7 | 37.4 | 32.3 | 33.7 | 34.9 | 34.3 | 95 | 108 | 124 | 120 | 13 | 1.3 | 32 | |
| DELTAPINE | DPS8S49(EXP) | 28.9 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 16 | 2.5 | 38 | |
| NC+ | 5A44 | 32.2 | 41.9 | 35.3 | --- | 37.0 | 36.5 | --- | 114 | 111 | 117 | --- | 17 | 1.3 | 26 | |
| MIDLAND | 8530 | 22.0 | 41.4 | --- | --- | 31.7 | --- | --- | 78 | 109 | --- | --- | 17 | 1.5 | 30 | |
| | HUTCHESON | 25.8 | 36.6 | 26.0 | 23.2 | 31.2 | 29.5 | 27.9 | 92 | 97 | 86 | 86 | 19 | 1.8 | 29 | |
| | HARTWIG | 28.2 | 38.3 | 28.2 | 30.5 | 33.2 | 31.6 | 31.3 | 100 | 101 | 94 | 113 | 19 | 1.5 | 26 | |
| | ANAND | 26.1 | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | 20 | 1.0 | 26 | |
| | K1364 | 28.5 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | 21 | 1.0 | 23 | |
| KSOY | DELLOY 5500 | 30.0 | 40.4 | --- | --- | 35.2 | --- | --- | 106 | 107 | --- | --- | 22 | 1.3 | 28 | |
| NK | S57-11 | 28.1 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | 23 | 1.5 | 32 | |
| WILLCROSS | RR2517N | 33.8 | --- | --- | --- | --- | --- | --- | 120 | --- | --- | --- | 24 | 1.5 | 30 | |
| AGRIPRO | AP543RR | 33.6 | --- | --- | --- | --- | --- | --- | 119 | --- | --- | --- | 24 | 1.5 | 27 | |
| TEST AVERAGES | | 28.2 | 37.9 | 30.2 | 26.9 | | | | | | | | | | | |
| LSD (.10) | | 4.0 | 4.1 | 3.8 | 2.7 | | | | | | | | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 14. ELLIS COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|-----------------------|-------------|-----------------|----------------------|-----|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS II-IV | | | | | | |
| ADV. GENETICS | AG3630STS | 23.3 | 97 | - | 1.0 | 37 |
| ADV. GENETICS | AG3667RR | 21.5 | 89 | - | 1.0 | 31 |
| ADV. GENETICS | AG3797RR | 22.2 | 92 | - | 1.0 | 31 |
| DEKALB | CX377 | 21.5 | 89 | - | 1.0 | 30 |
| K-SOY | KS3494 | 27.6 | 114 | - | 1.0 | 34 |
| K-SOY | KS4694 | 26.6 | 110 | - | 1.0 | 39 |
| K-SOY | MACON | 20.2 | 84 | - | 1.0 | 28 |
| K-SOY | STRESSLAND | 22.8 | 94 | - | 1.0 | 36 |
| MIDLAND | 8321 | 26.7 | 111 | - | 1.0 | 32 |
| MIDLAND | 8371 | 19.5 | 81 | - | 1.0 | 33 |
| MIDLAND | 8386STS | 22.9 | 95 | - | 1.0 | 33 |
| MIDLAND | 8393 | 16.4 | 68 | - | 1.0 | 36 |
| MIDLAND | 8431 | 18.1 | 75 | - | 1.0 | 33 |
| MIDLAND | 8388 | 31.0 | 129 | - | 1.0 | 34 |
| MIDLAND | 8396STS | 22.2 | 92 | - | 1.0 | 33 |
| NC+ | 2A99 | 30.6 | 127 | - | 1.0 | 25 |
| NC+ | 3A26 | 30.1 | 125 | - | 1.0 | 32 |
| PIONEER | 9294 | 31.7 | 132 | - | 1.0 | 30 |
| PIONEER | 93B51 | 26.0 | 108 | - | 1.0 | 30 |
| PIONEER | 93B71 | 29.6 | 123 | - | 1.0 | 38 |
| | A94-774021 | 28.1 | 117 | - | 1.0 | 27 |
| | FLYER | 27.7 | 115 | - | 1.0 | 33 |
| | HC93-4118 | 23.5 | 98 | - | 1.0 | 30 |
| | IA2021 | 25.6 | 106 | - | 1.0 | 24 |
| | K1340 | 22.9 | 95 | - | 1.0 | 36 |
| | K1370 | 21.0 | 87 | - | 1.0 | 37 |
| | K1377 | 23.5 | 98 | - | 1.0 | 36 |
| | K1378 | 20.8 | 86 | - | 1.0 | 35 |
| | K1379 | 18.9 | 78 | - | 1.0 | 34 |
| | K1380 | 25.3 | 105 | - | 1.0 | 35 |
| | K1381 | 25.9 | 107 | - | 1.0 | 31 |
| | K1386 | 25.2 | 105 | - | 1.0 | 36 |
| | RESNIK | 24.6 | 102 | - | 1.0 | 29 |
| | SHERMAN | 26.6 | 111 | - | 1.0 | 35 |
| | WILLIAMS 82 | 14.6 | 60 | - | 1.0 | 36 |
| TEST AVERAGE | | 24.1 | | | | |
| LSD (.10) | | 1.6 | | | | |

LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 15. BROWN COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|------------------------|---------------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS III-IV | | | | | | |
| ADV. GENETICS | AG3797RR | 52.7 | 103 | -5 | 2.0 | 38 |
| AGRIPRO | AP3702RR | 52.6 | 103 | -8 | 1.3 | 34 |
| ASGROW | AG3302 | 51.4 | 100 | -10 | 1.5 | 34 |
| ASGROW | AG3701 | 57.0 | 111 | 1 | 1.2 | 37 |
| ASGROW | AG3901 | 48.0 | 94 | 0 | 1.7 | 35 |
| DEKALB | CX359RR | 50.8 | 99 | -8 | 2.2 | 35 |
| DYNA-GRO | DG-3368RR | 53.0 | 104 | -5 | 1.3 | 34 |
| DYNA-GRO | DG-3388RR | 52.0 | 102 | -4 | 1.7 | 37 |
| FONTANELLE | 942RR | 47.5 | 93 | -10 | 1.5 | 34 |
| FONTANELLE | 9761RR | 47.2 | 92 | -8 | 2.0 | 34 |
| GARST | D376RR | 49.7 | 97 | -1 | 1.5 | 34 |
| GARST | D437RR/N | 51.8 | 101 | 5 | 2.0 | 38 |
| GOLDEN HARVEST | H-1357RR | 49.6 | 97 | -4 | 1.5 | 32 |
| GOLDEN HARVEST | X 384RR | 49.1 | 96 | -1 | 1.7 | 40 |
| LEWIS | 3668RR | 52.7 | 103 | -4 | 2.2 | 36 |
| LEWIS | 3955RR | 51.1 | 100 | 1 | 1.5 | 37 |
| LEWIS | 4308RR | 52.3 | 102 | 0 | 1.5 | 38 |
| MERSCHMAN | KENNEDY IVRR | 50.8 | 99 | -1 | 1.7 | 34 |
| MERSCHMAN | WASHINGTON VIIRR | 50.6 | 99 | 2 | 1.7 | 36 |
| MIDLAND | 8361RR | 49.3 | 96 | -6 | 1.2 | 33 |
| MIDLAND | 8377RR | 48.1 | 94 | -2 | 1.3 | 30 |
| MIDLAND | 8397RR | 49.2 | 96 | 2 | 1.7 | 37 |
| MIDLAND | 8382RR | 52.9 | 103 | -1 | 1.8 | 36 |
| MIDLAND | 8411RR | 52.0 | 102 | 3 | 1.7 | 37 |
| M/W GENETICS | G3608RR | 53.5 | 104 | -6 | 1.7 | 33 |
| NC+ | 3A66RR | 51.3 | 100 | -1 | 1.5 | 35 |
| NC+ | 4A16RR | 46.7 | 91 | 2 | 1.7 | 37 |
| NK | S30-K3 | 48.7 | 95 | -14 | 1.5 | 35 |
| NK | S35-F5 | 50.1 | 98 | -8 | 1.0 | 34 |
| NK | S42-M1 | 46.6 | 91 | 3 | 1.7 | 41 |
| RENZE | R3209R | 52.6 | 103 | -8 | 1.7 | 36 |
| RENZE | R356RR | 47.5 | 93 | -3 | 1.7 | 32 |
| STINE | 3264 | 50.7 | 99 | -5 | 1.7 | 35 |
| STINE | 3293-4 | 55.9 | 109 | -10 | 1.7 | 32 |
| STINE | 3490-4 | 52.5 | 102 | -8 | 1.5 | 35 |
| TAYLOR | 370RR | 53.4 | 104 | -2 | 1.7 | 36 |
| TAYLOR | 415RR | 53.7 | 105 | 4 | 1.3 | 39 |
| TRIUMPH | TR3939RR | 50.5 | 99 | -4 | 2.0 | 41 |
| TRIUMPH | TR4339RR | 51.8 | 101 | 5 | 2.0 | 40 |
| WILLCROSS | RR2309 | 47.8 | 93 | -13 | 1.7 | 34 |
| WILLCROSS | RR2338 | 54.0 | 105 | -8 | 1.8 | 35 |
| WILLCROSS | RR2357 | 56.7 | 111 | -3 | 1.8 | 35 |
| WILLCROSS | RR2368 | 53.4 | 104 | -3 | 1.7 | 37 |
| WILLCROSS | RR2397 | 48.2 | 94 | 0 | 1.2 | 35 |
| K-SOY | KS3494 (NOT RR) | 52.3 | 102 | -9 | 1.7 | 35 |
| K-SOY | KS4694 (NOT RR) | 54.8 | 107 | 11 | 2.0 | 39 |
| K-SOY | MACON (NOT RR) | 53.7 | 105 | -6 | 1.7 | 34 |
| K-SOY | STRESSLAND (NOT RR) | 51.4 | 100 | 9/25 | 2.0 | 38 |
| TEST AVERAGE | | 51.2 | | | | |
| LSD (.10) | | 4.1 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 16. SHAWNEE COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRR.), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|------------------------|---------------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS III-IV | | | | | | |
| ADV. GENETICS | AG3667RR | 64.4 | 106 | -3 | 1.5 | 35 |
| ADV. GENETICS | AG3797RR | 61.7 | 102 | -6 | 1.5 | 40 |
| ADV. GENETICS | AG3822NRR | 61.0 | 101 | -6 | 2.2 | 39 |
| ADV. GENETICS | AG4333NRR | 60.7 | 100 | 2 | 1.2 | 43 |
| ADV. GENETICS | AG4427RR | 55.0 | 91 | 1 | 1.7 | 42 |
| ADV. GENETICS | AG4437RR | 57.8 | 95 | 3 | 1.5 | 46 |
| AGRIPRO | AP3902RR | 58.1 | 96 | -2 | 1.5 | 40 |
| DEKALB | CX419RR | 66.1 | 109 | -2 | 2.2 | 42 |
| DYNA-GRO | DG-3368RR | 63.4 | 105 | -3 | 1.5 | 38 |
| DYNA-GRO | DG-3388RR | 69.1 | 114 | -4 | 1.3 | 41 |
| DYNA-GRO | DG-3398RR | 58.7 | 97 | -1 | 1.3 | 41 |
| DYNA-GRO | DG-3424RR | 58.5 | 97 | -1 | 1.2 | 39 |
| GARST | D376RR | 60.6 | 100 | -2 | 1.8 | 36 |
| GOLDEN HARVEST | H-1357RR | 64.1 | 106 | -2 | 1.5 | 36 |
| GOLDEN HARVEST | X410RR | 60.2 | 99 | -1 | 1.7 | 38 |
| MIDLAND | 8341RR | 60.6 | 100 | -10 | 2.3 | 39 |
| MIDLAND | 8361RR | 63.5 | 105 | -3 | 1.3 | 37 |
| MIDLAND | 8377RR | 58.7 | 97 | -3 | 1.5 | 34 |
| MIDLAND | 8382RR | 58.9 | 97 | -4 | 1.5 | 40 |
| MIDLAND | 8390NRR | 65.4 | 108 | -3 | 1.5 | 39 |
| MIDLAND | 8394NRR | 65.8 | 109 | -5 | 2.5 | 41 |
| MIDLAND | 8411RR | 64.6 | 107 | 0 | 1.3 | 38 |
| MIDLAND | 8414RR | 61.6 | 102 | -1 | 1.7 | 43 |
| MIDLAND | 8432NRR | 52.3 | 86 | 2 | 1.5 | 42 |
| M/W GENETICS | G3608RR | 62.3 | 103 | -3 | 1.5 | 37 |
| NC+ | 4A16RR | 62.8 | 104 | -1 | 1.2 | 39 |
| NK | S42-K2 | 63.5 | 105 | -1 | 1.8 | 39 |
| STINE | 3264 | 64.7 | 107 | -4 | 1.5 | 37 |
| STINE | 3490-4 | 59.7 | 98 | -11 | 1.3 | 34 |
| WILLCROSS | RR2368 | 61.2 | 101 | -3 | 1.5 | 40 |
| WILLCROSS | RR2397 | 60.8 | 100 | -1 | 1.3 | 39 |
| K-SOY | KS3494 (NOT RR) | 58.2 | 96 | -12 | 1.8 | 38 |
| K-SOY | KS4694 (NOT RR) | 44.7 | 74 | 4 | 2.0 | 40 |
| K-SOY | MACON (NOT RR) | 56.4 | 93 | -7 | 1.2 | 34 |
| K-SOY | STRESSLAND (NOT RR) | 57.4 | 95 | 9/24 | 1.5 | 42 |
| TEST AVERAGE | | 60.6 | | | | |
| LSD (.10) | | 6.0 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND

LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 17. FRANKLIN COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE(DRYLAND), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|------------------------|---------------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS III-IV | | | | | | |
| ADV. GENETICS | AG4147RR | 39.5 | 90 | 0 | 1.3 | 45 |
| ADV. GENETICS | AG4333NRR | 43.5 | 99 | 5 | 1.7 | 45 |
| ADV. GENETICS | AG4427RR | 40.0 | 91 | 1 | 1.7 | 45 |
| ADV. GENETICS | AG4437RR | 39.6 | 90 | 2 | 1.3 | 48 |
| AGRIPRO | AP3902RR | 44.1 | 100 | -1 | 1.0 | 41 |
| DEKALB | CX419RR | 45.0 | 102 | 1 | 1.3 | 46 |
| DELTAPINE | DP4344RR | 36.5 | 83 | 10 | 1.5 | 49 |
| DELTAPINE | DP4750RR | 43.6 | 99 | 11 | 1.8 | 49 |
| DYNA-GRO | DG-3368RR | 45.7 | 104 | -5 | 1.7 | 37 |
| DYNA-GRO | DG-3388RR | 50.0 | 113 | -4 | 1.5 | 40 |
| DYNA-GRO | DG-3398RR | 45.6 | 103 | 2 | 1.0 | 40 |
| DYNA-GRO | DG-3424RR | 45.6 | 103 | 1 | 1.3 | 44 |
| DYNA-GRO | DG-3432NRR | 41.2 | 93 | 6 | 1.5 | 44 |
| GARST | D437RR/N | 45.5 | 103 | 5 | 1.5 | 47 |
| GOLDEN HARVEST | H-1357RR | 40.4 | 92 | -4 | 1.5 | 37 |
| GOLDEN HARVEST | X384RR | 44.8 | 102 | -2 | 1.5 | 45 |
| GOLDEN HARVEST | X410RR | 45.3 | 103 | 1 | 2.0 | 41 |
| MERSCHMAN | MEMPHIS IIIRR | 40.5 | 92 | 6 | 1.2 | 47 |
| MIDLAND | 8377RR | 45.3 | 103 | -3 | 1.0 | 37 |
| MIDLAND | 8397RR | 42.5 | 96 | 2 | 1.3 | 43 |
| MIDLAND | 8433RR | 43.5 | 99 | 1 | 1.5 | 41 |
| MIDLAND | 8394NRR | 43.7 | 99 | -4 | 2.0 | 43 |
| MIDLAND | 8411RR | 46.1 | 105 | 0 | 1.7 | 43 |
| MIDLAND | 8422RR | 46.9 | 106 | 1 | 1.2 | 40 |
| MIDLAND | X442RR | 45.3 | 103 | 4 | 1.2 | 43 |
| M/W GENETICS | G4411RR | 46.6 | 106 | 1 | 1.5 | 40 |
| M/W GENETICS | G4425RR | 41.2 | 93 | 3 | 1.5 | 45 |
| NC+ | 4A16RR | 44.6 | 101 | -1 | 1.7 | 41 |
| NK | S46-W8 | 44.1 | 100 | 3 | 1.7 | 44 |
| STINE | 3792-4 | 46.0 | 104 | -5 | 1.5 | 38 |
| STINE | 4492-4 | 44.2 | 100 | 6 | 1.8 | 46 |
| TAYLOR | 415RR | 46.5 | 105 | 1 | 1.5 | 43 |
| TAYLOR | 450RR | 45.6 | 103 | 2 | 1.5 | 41 |
| TERRA | E4280RR | 45.0 | 102 | 0 | 1.3 | 41 |
| TERRA | E4680RR | 43.3 | 98 | 4 | 1.8 | 44 |
| TERRA | TS466RR | 39.9 | 90 | 6 | 1.3 | 47 |
| TRIUMPH | TR3939RR | 46.9 | 106 | -1 | 1.5 | 43 |
| TRIUMPH | TR4339RR | 44.3 | 101 | 6 | 1.7 | 43 |
| WILLCROSS | RR2368 | 48.1 | 109 | -4 | 1.5 | 41 |
| WILLCROSS | RR2397 | 43.6 | 99 | 0 | 1.3 | 42 |
| WILLCROSS | RR2448 | 38.9 | 88 | 2 | 1.5 | 47 |
| WILLCROSS | RR2449N | 44.3 | 100 | 4 | 1.3 | 43 |
| WILLCROSS | RR2467N | 40.6 | 92 | 5 | 1.3 | 47 |
| K-SOY | KS3494 (NOT RR) | 46.0 | 104 | -8 | 1.5 | 37 |
| K-SOY | KS4694 (NOT RR) | 42.8 | 97 | 7 | 1.5 | 42 |
| K-SOY | MACON (NOT RR) | 49.9 | 113 | -3 | 2.2 | 38 |
| K-SOY | STRESSLAND (NOT RR) | 49.0 | 111 | 9/22 | 2.2 | 44 |
| TEST AVERAGE | | 44.1 | | | | |
| LSD (.10) | | 2.8 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND

LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 18. CHEROKEE COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE(DRYLAND), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|---|-----------------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUP III | | | | | | |
| DYNA-GRO | DG-3398RR | 43.7 | 97 | 3 | 2.0 | 41 |
| GOLDEN HARVEST | X384RR | 49.3 | 109 | 0 | 1.7 | 45 |
| MIDLAND | X394NRR | 43.3 | 96 | 0 | 3.7 | 44 |
| TRIUMPH | TR3939RR | 49.8 | 110 | 0 | 2.0 | 42 |
| K-SOY | KS3494 (NOT RR) | 43.0 | 95 | -2 | 1.7 | 39 |
| K-SOY | MACON (NOT RR) | 41.9 | 93 | -1 | 2.3 | 39 |
| TEST AVERAGE | | 45.2 | | | | |
| LSD (.10) | | 5.5 | | | | |
| MATURITY GROUP IV | | | | | | |
| ADV. GENETICS | AG4427 RR | 34.7 | 78 | 3 | 2.0 | 44 |
| DEKALB | CX485RR | 42.0 | 94 | 5 | 2.7 | 46 |
| DELTAPINE | DP4344RR | 42.5 | 95 | 8 | 2.3 | 48 |
| DELTAPINE | DP4750RR | 42.8 | 96 | 8 | 4.0 | 52 |
| DYNA-GRO | UAPX258RR | 43.6 | 98 | 3 | 2.0 | 42 |
| GARST | D437RR/N | 47.9 | 107 | 4 | 2.0 | 44 |
| GOLDEN HARVEST | X410RR | 45.6 | 102 | 1 | 1.3 | 38 |
| MIDLAND | 8433RR | 42.0 | 94 | 4 | 2.0 | 44 |
| MIDLAND | 8411RR | 44.6 | 100 | 0 | 1.7 | 40 |
| MIDLAND | X442RR | 49.2 | 110 | 5 | 1.7 | 44 |
| NK | S46-W8 | 49.6 | 111 | 7 | 2.3 | 47 |
| STINE | 4492-4 | 44.6 | 100 | 6 | 2.7 | 47 |
| TAYLOR | 450RR | 45.6 | 102 | 2 | 2.0 | 42 |
| TERRA | TS466RR | 48.6 | 109 | 6 | 2.0 | 50 |
| TRIUMPH | TR4339RR | 45.8 | 103 | 5 | 3.3 | 47 |
| WILLCROSS | RR2448 | 35.7 | 80 | 4 | 2.3 | 47 |
| WILLCROSS | RR2449N | 48.9 | 110 | 6 | 2.0 | 46 |
| WILLCROSS | RR2467N | 45.7 | 102 | 6 | 2.0 | 48 |
| K-SOY | KS4694 (NOT RR) | 43.6 | 98 | 4 | 3.3 | 43 |
| K-SOY | STRESSLAND (NOT RR) | 49.1 | 110 | 9/15 | 1.7 | 45 |
| TEST AVERAGE | | 44.6 | | | | |
| LSD (.10) | | 7.2 | | | | |
| MATURITY GROUPS IVS and V | | | | | | |
| ADV. GENETICS | AG5277RR | 43.5 | 90 | 18 | 2.0 | 39 |
| MIDLAND | 8540RR | 51.1 | 105 | 23 | 2.0 | 39 |
| MIDLAND | 8570RR | 46.1 | 95 | 18 | 1.3 | 35 |
| NC+ | 5A45RR | 51.0 | 105 | 18 | 2.0 | 37 |
| NK | S51-T1 | 45.7 | 94 | 15 | 3.0 | 55 |
| TERRA | TS556RR | 46.6 | 96 | 20 | 2.0 | 38 |
| TRIUMPH | TR5409RR | 49.7 | 103 | 18 | 2.0 | 37 |
| WILLCROSS | RR2517N | 54.0 | 111 | 19 | 2.0 | 35 |
| K-SOY | DELISOY 5500 (NOT RR) | 46.7 | 96 | 16 | 1.3 | 30 |
| K-SOY | KS4997 (NOT RR) | 50.3 | 104 | 6 | 1.0 | 28 |
| TEST AVERAGE | | 48.5 | | | | |
| LSD (.10) | | NS | | | | |
| MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND | | | | | | |
| LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR | | | | | | |

TABLE 19. REPUBLIC COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRR.), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|------------------------|---------------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS III-IV | | | | | | |
| ADV. GENETICS | AG3797RR | 63.5 | 102 | -3 | 1.0 | 41 |
| ADV. GENETICS | AG3822NRR | 60.9 | 97 | -2 | 1.0 | 43 |
| ADV. GENETICS | AG3957RR | 63.6 | 102 | 0 | 1.0 | 39 |
| AGRIPRO | AP3702RR | 55.7 | 89 | -3 | 1.0 | 41 |
| AGRIPRO | AP3902 RR | 60.6 | 97 | -1 | 1.0 | 40 |
| ASGROW | AG3002 | 60.7 | 97 | -6 | 1.0 | 41 |
| ASGROW | AG3302 | 66.1 | 106 | -5 | 1.0 | 40 |
| ASGROW | AG3701 | 57.9 | 93 | -3 | 1.0 | 41 |
| ASGROW | AG3901 | 63.3 | 101 | 1 | 1.0 | 42 |
| DEKALB | CX359RR | 63.7 | 102 | -3 | 1.0 | 40 |
| FONTANELLE | 942RR | 64.9 | 104 | 3 | 1.0 | 40 |
| FONTANELLE | 9761RR | 57.9 | 93 | -2 | 1.0 | 42 |
| GARST | D376RR | 62.2 | 100 | -2 | 1.0 | 40 |
| GOLDEN HARVEST | H-1357RR | 64.4 | 103 | -4 | 1.0 | 41 |
| MIDLAND | 8280RR | 67.3 | 108 | -9 | 1.0 | 39 |
| MIDLAND | 8291RR | 58.3 | 93 | -8 | 1.0 | 40 |
| MIDLAND | 8310RR | 58.1 | 93 | -6 | 1.0 | 42 |
| MIDLAND | 8320RR | 61.7 | 99 | -5 | 1.0 | 41 |
| MIDLAND | 8322RR | 73.3 | 117 | -5 | 1.0 | 40 |
| MIDLAND | 8341RR | 67.1 | 107 | -4 | 1.0 | 41 |
| MIDLAND | 8361RR | 66.1 | 106 | -3 | 1.0 | 41 |
| MIDLAND | 8377RR | 62.3 | 100 | -3 | 1.0 | 39 |
| MIDLAND | 8382RR | 67.9 | 109 | -1 | 1.0 | 41 |
| MIDLAND | 8390NRR | 61.9 | 99 | 0 | 1.0 | 43 |
| MIDLAND | 8394NRR | 60.3 | 96 | -1 | 1.0 | 44 |
| M/W GENETICS | G 3608RR | 65.2 | 104 | -3 | 1.0 | 40 |
| NC+ | 4A16RR | 62.8 | 100 | 3 | 1.0 | 41 |
| NK | S35-F5 | 56.0 | 90 | -4 | 1.0 | 42 |
| NK | S42-M1 | 60.1 | 96 | 3 | 1.0 | 43 |
| RENZE | R3209R | 54.9 | 88 | -5 | 1.0 | 40 |
| RENZE | R356RR | 67.9 | 109 | -4 | 1.0 | 41 |
| STINE | 3264 | 60.5 | 97 | -5 | 1.0 | 40 |
| STINE | 3293-4 | 63.5 | 102 | -6 | 1.0 | 37 |
| STINE | 3490-4 | 65.9 | 105 | -4 | 1.0 | 41 |
| K-SOY | KS3494 (NOT RR) | 62.0 | 99 | -4 | 1.0 | 40 |
| K-SOY | KS4694 (NOT RR) | 57.0 | 91 | 5 | 1.0 | 41 |
| K-SOY | MACON (NOT RR) | 67.2 | 108 | -1 | 1.0 | 40 |
| K-SOY | STRESSLAND (NOT RR) | 60.5 | 97 | 9/22 | 1.0 | 44 |
| TEST AVERAGE | | 62.5 | | | | |
| LSD (.10) | | 2.9 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 20. HARVEY COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|-----------------------------------|---------------------|--------------|-------------------|-----|---------------|-------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUP III | | | | | | |
| ADV. GENETICS | AG3797RR | 28.3 | 100 | 0 | 1.8 | 40 |
| ADV. GENETICS | AG3957RR | 28.3 | 100 | 2 | 1.6 | 34 |
| ASGROW | AG3701 | 31.3 | 111 | 0 | 1.2 | 36 |
| ASGROW | AG3901 | 31.2 | 110 | -1 | 1.4 | 35 |
| DYNA-GRO | DG-3368RR | 25.4 | 90 | -3 | 1.4 | 36 |
| DYNA-GRO | DG-3388RR | 28.0 | 99 | -2 | 1.1 | 38 |
| DYNA-GRO | DG-3398RR | 25.5 | 90 | 6 | 1.2 | 41 |
| GOLDEN HARVEST | X 384RR | 26.6 | 94 | -1 | 1.1 | 39 |
| HOEGEMEYER | 395RR | 31.0 | 110 | 4 | 1.4 | 40 |
| MIDLAND | 8341RR | 31.0 | 110 | -5 | 1.3 | 37 |
| MIDLAND | 8377RR | 24.7 | 87 | 2 | 1.3 | 33 |
| MIDLAND | 8381RR | 28.9 | 103 | -6 | 1.0 | 36 |
| MIDLAND | 8397RR | 25.1 | 89 | 0 | 1.1 | 39 |
| MIDLAND | 8382RR | 31.7 | 113 | -2 | 1.4 | 41 |
| M/W GENETICS | G3599RR | 29.0 | 103 | -5 | 1.3 | 34 |
| M/W GENETICS | G3608RR | 27.2 | 96 | -5 | 1.3 | 36 |
| NC+ | 3A66RR | 25.5 | 90 | -6 | 1.4 | 35 |
| NK | S39-D9 | 29.8 | 106 | 2 | 1.1 | 37 |
| STINE | 3490-4 | 32.9 | 117 | -3 | 1.0 | 34 |
| WILLCROSS | RR2397 | 24.8 | 88 | 1 | 1.0 | 37 |
| K-SOY | KS3494 (NOT RR) | 28.7 | 102 | -4 | 1.2 | 37 |
| K-SOY | MACON (NOT RR) | 24.6 | 87 | -4 | 1.0 | 30 |
| TEST AVERAGE | | 28.2 | | | | |
| LSD (.10) | | 3.1 | | | | |
| MATURITY GROUP IV | | | | | | |
| ADV. GENETICS | AG4333NRR | 24.7 | 101 | 8 | 1.4 | 41 |
| ADV. GENETICS | AG4427RR | 25.4 | 104 | 7 | 1.1 | 47 |
| ADV. GENETICS | AG4437RR | 20.8 | 85 | 9 | 1.2 | 45 |
| AGRIPRO | AP 3902RR | 26.9 | 110 | 4 | 1.2 | 38 |
| ASGROW | AG4301 | 23.6 | 96 | 4 | 1.0 | 37 |
| DEKALB | CX419RR | 24.9 | 102 | 2 | 1.3 | 41 |
| DELTAPINE | DP4344RR | 22.3 | 91 | 12 | 1.1 | 48 |
| DELTAPINE | DP4750RR | 24.1 | 98 | 10 | 1.0 | 44 |
| DYNA-GRO | DG-3424RR | 26.5 | 108 | 10 | 1.1 | 42 |
| DYNA-GRO | DG-3432NRR | 24.1 | 98 | 7 | 1.4 | 41 |
| GARST | D437RR/N | 26.7 | 109 | 8 | 1.8 | 42 |
| GOLDEN HARVEST | X410RR | 27.6 | 113 | 3 | 1.0 | 36 |
| HOEGEMEYER | 460NRR | 18.0 | 73 | 9 | 1.0 | 45 |
| MIDLAND | X400RR | 26.2 | 107 | 4 | 1.1 | 41 |
| MIDLAND | 8411RR | 27.8 | 113 | 1 | 1.0 | 37 |
| MIDLAND | 8414RR | 28.5 | 116 | -1 | 1.0 | 41 |
| MIDLAND | 8422RR | 28.2 | 115 | 2 | 1.1 | 35 |
| M/W GENETICS | G4425RR | 24.1 | 98 | 8 | 1.1 | 45 |
| NC+ | 4A16RR | 25.4 | 104 | 1 | 1.4 | 39 |
| NK | S42-K2 | 21.6 | 88 | 1 | 1.0 | 37 |
| NK | S42-M1 | 23.4 | 96 | 2 | 1.1 | 40 |
| NK | S46-W8 | 26.3 | 107 | 5 | 1.1 | 39 |
| WILLCROSS | RR2448 | 22.6 | 92 | 5 | 1.1 | 44 |
| WILLCROSS | RR2449N | 23.2 | 95 | 7 | 1.2 | 40 |
| WILLCROSS | RR2467N | 20.4 | 83 | 13 | 1.1 | 45 |
| WILLCROSS | RR2517N | 17.3 | 71 | 28 | 1.1 | 37 |
| K-SOY | KS4694 (NOT RR) | 25.3 | 103 | 16 | 1.4 | 41 |
| K-SOY | STRESSLAND (NOT RR) | 29.0 | 118 | 9/7 | 1.0 | 40 |
| TEST AVERAGE | | 24.5 | | | | |
| LSD (.10) | | 3.0 | | | | |
| LSD (.10) BETWEEN MATURITY GROUPS | | 3.5 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND

LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 21. STAFFORD COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRR.), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|------------------------|-----------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS III-IV | | | | | | |
| ADV. GENETICS | AG3667RR | 21.5 | 85 | -7 | 1.0 | 21 |
| ADV. GENETICS | AG3797RR | 24.7 | 98 | -3 | 1.0 | 28 |
| ADV. GENETICS | AG3822NRR | 28.7 | 114 | -5 | 1.0 | 27 |
| ADV. GENETICS | AG3957RR | 27.2 | 107 | -6 | 1.0 | 23 |
| ADV. GENETICS | AG4147RR | 21.8 | 86 | -3 | 1.0 | 24 |
| ADV. GENETICS | AG4333NRR | 25.9 | 102 | 0 | 1.0 | 28 |
| ADV. GENETICS | AG4437RR | 29.9 | 118 | 6 | 1.0 | 25 |
| AGRIPRO | AP3902RR | 26.2 | 104 | -5 | 1.0 | 25 |
| ASGROW | AG3302 | 20.0 | 79 | -8 | 1.0 | 22 |
| ASGROW | AG3701 | 30.3 | 120 | -6 | 1.0 | 26 |
| ASGROW | AG3901 | 25.2 | 100 | -8 | 1.3 | 27 |
| DEKALB | CX419RR | 22.3 | 88 | -7 | 1.0 | 27 |
| DELTAPINE | DP4344RR | 33.8 | 134 | 1 | 1.0 | 28 |
| DELTAPINE | DP4750RR | 46.9 | 185 | 8 | 1.0 | 39 |
| GARST | D376RR | 23.1 | 91 | -8 | 1.0 | 21 |
| HOEGEMEYER | 395RR | 24.1 | 95 | -1 | 1.3 | 28 |
| HOEGEMEYER | 460NRR | 33.5 | 132 | 1 | 1.0 | 28 |
| MIDLAND | 8341RR | 17.3 | 68 | -7 | 1.0 | 23 |
| MIDLAND | 8381RR | 18.7 | 74 | -8 | 1.0 | 24 |
| MIDLAND | 8433RR | 22.4 | 89 | 7 | 1.0 | 23 |
| MIDLAND | 8382RR | 23.6 | 93 | -6 | 1.0 | 25 |
| MIDLAND | X400RR | 22.7 | 90 | 1 | 1.3 | 23 |
| MIDLAND | 8411RR | 32.7 | 129 | -1 | 1.0 | 27 |
| MIDLAND | 8414RR | 27.9 | 110 | -5 | 1.0 | 29 |
| MIDLAND | 8422RR | 21.1 | 83 | 0 | 1.0 | 23 |
| M/W GENETICS | G3599RR | 20.2 | 80 | -8 | 1.0 | 22 |
| M/W GENETICS | G3608RR | 19.6 | 78 | -7 | 1.0 | 22 |
| NC+ | 3A66RR | 18.1 | 71 | -8 | 1.0 | 24 |
| NC+ | 4A16RR | 24.4 | 96 | -3 | 1.3 | 26 |
| NK | S39-D9 | 20.9 | 82 | -7 | 1.0 | 20 |
| NK | S42-M1 | 28.8 | 114 | -4 | 1.0 | 32 |
| NK | S46-W8 | 23.4 | 92 | 8 | 1.0 | 29 |
| STINE | 3792-4 | 26.2 | 103 | -8 | 1.0 | 23 |
| TERRA | E4280RR | 30.7 | 121 | -4 | 1.0 | 26 |
| TERRA | E4680RR | 21.1 | 83 | 6 | 1.0 | 23 |
| TERRA | TS466RR | 38.2 | 151 | 4 | 1.0 | 29 |
| TERRA | TS556RR | 20.7 | 82 | 10 | 1.0 | 25 |
| WILLCROSS | RR2368 | 25.8 | 102 | 3 | 1.0 | 28 |
| WILLCROSS | RR2397 | 18.5 | 73 | -2 | 1.0 | 21 |
| WILLCROSS | RR2448 | 30.7 | 121 | 4 | 1.0 | 26 |
| WILLCROSS | RR2449N | 27.7 | 110 | 6 | 1.0 | 27 |
| WILLCROSS | RR2467N | 32.6 | 129 | 3 | 1.0 | 29 |
| WILLCROSS | RR2517N | 24.1 | 95 | 11 | 1.0 | 23 |
| K-SOY | KS4694 (NOT RR) | 28.6 | 113 | 10/4 | 1.0 | 28 |
| TEST AVERAGE | | 25.3 | | | | |
| LSD (.01) | | 5.5 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN KS4694

LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 22. THOMAS COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRR.), 1998.

| BRAND | ENTRY | YIELD AS | | MAT | LODGING SCORE | HT IN |
|------------------------|---------------------|-----------------|----------------------|------|------------------|----------|
| | | YIELD (BU/A) | % OF TEST AVERAGE | | | |
| MATURITY GROUPS III-IV | | | | | | |
| AGRIPRO | AP3702RR | 67.6 | 98 | -4 | 1.3 | 41 |
| AGRIPRO | AP3902 RR | 65.3 | 94 | -2 | 2.0 | 41 |
| ASGROW | AG3002 | 76.3 | 110 | -1 | 2.0 | 37 |
| ASGROW | AG3302 | 76.8 | 111 | -7 | 1.0 | 40 |
| ASGROW | AG3701 | 69.8 | 101 | -3 | 1.5 | 42 |
| DEKALB | CX359RR | 67.9 | 98 | -4 | 1.5 | 37 |
| GARST | D305RR | 70.9 | 102 | -3 | 1.5 | 39 |
| MIDLAND | 8284RR | 72.2 | 104 | -8 | 1.0 | 33 |
| MIDLAND | 8341RR | 74.0 | 107 | -4 | 1.8 | 39 |
| MIDLAND | 8377RR | 63.9 | 92 | -2 | 1.8 | 36 |
| MIDLAND | 8397RR | 68.2 | 98 | -1 | 2.0 | 43 |
| MIDLAND | 8382RR | 71.7 | 103 | -3 | 1.3 | 42 |
| M/W GENETICS | G3060RR | 65.7 | 95 | -8 | 1.0 | 36 |
| NC+ | 2A96RR | 71.9 | 104 | -5 | 1.3 | 39 |
| NK | S30-K3 | 70.2 | 101 | -4 | 1.3 | 40 |
| STINE | 3293-4 | 68.7 | 99 | -9 | 1.0 | 35 |
| K-SOY | KS3494 (NOT RR) | 66.4 | 96 | -4 | 2.0 | 40 |
| K-SOY | KS4694 (NOT RR) | 61.8 | 89 | 7 | 3.0 | 44 |
| K-SOY | MACON (NOT RR) | 67.0 | 97 | -4 | 1.3 | 38 |
| K-SOY | STRESSLAND (NOT RR) | 70.7 | 102 | 9/30 | 2.0 | 44 |
| TEST AVERAGE | | 69.3 | | | | |
| LSD (.10) | | 5.5 | | | | |

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN STRESSLAND
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 23. YIELD AS % OF TEST AVERAGE FROM 1998 LOCATIONS. (CONTINUED)

| BRAND | NAME | STANDARD TRIALS | | | | | | | | | | | ROUNDUP-RESISTANT TRIALS | | | | | | | | | | |
|-------------------|----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| | | BRO | SHA | FRA | LAB | RPD | RPI | HAR | ELL | STA | THO | FIN | AVGST | BRR | SHR | FRR | COR | RCR | HRR | STR | THR | AVGRR | SCN |
| | A94-774021 | 101 | 100 | 115 | 112 | 109 | 108 | 132 | 117 | 120 | 105 | 104 | 111 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | ANAND | --- | --- | --- | 119 | --- | --- | --- | --- | --- | --- | --- | 119 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 92 |
| | CRAWFORD | --- | --- | 66 | 67 | --- | --- | --- | --- | --- | --- | --- | 67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | FLYER | 101 | 103 | 100 | 102 | 89 | 89 | 116 | 115 | 101 | 104 | --- | 102 | --- | --- | --- | --- | --- | --- | --- | --- | 90 | |
| | HARTWIG | --- | --- | --- | 68 | --- | --- | --- | --- | --- | --- | --- | 68 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | HC93-4118 | 108 | 103 | 111 | 122 | 81 | 107 | 166 | 98 | 107 | 104 | 103 | 110 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | HUTCHESON | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | 92 | |
| | IA2021 | 83 | 67 | 86 | 99 | 90 | 93 | 131 | 106 | 88 | 91 | 84 | 93 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | K1340 | 97 | 105 | 87 | 98 | 94 | 97 | 78 | 95 | 87 | 104 | 100 | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | K1364 | --- | --- | --- | 85 | --- | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | --- | --- | --- | --- | --- | 101 | |
| | K1366 | --- | --- | --- | 108 | --- | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | --- | --- | --- | --- | --- | 87 | |
| | K1370 | 91 | 99 | 91 | 109 | 96 | 88 | 117 | 87 | 94 | 91 | 94 | 96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | K1377 | 108 | 89 | 98 | 106 | 86 | 89 | 128 | 98 | 107 | 106 | 111 | 102 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | K1378 | 100 | 93 | 91 | 90 | 89 | 91 | 97 | 86 | 101 | 105 | 105 | 95 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | K1379 | 102 | 93 | 90 | 99 | 104 | 100 | 118 | 78 | 92 | 105 | 108 | 99 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | K1380 | 103 | 107 | 97 | 108 | 80 | 104 | 129 | 105 | 101 | 107 | 96 | 103 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | K1381 | 79 | 121 | 97 | 96 | 126 | 100 | 104 | 107 | 105 | 93 | 109 | 103 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | K1386 | 74 | 96 | 105 | 108 | 113 | 107 | 141 | 105 | 81 | 84 | 95 | 101 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | K1391 | --- | --- | --- | 96 | --- | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | K1393 | --- | --- | --- | 85 | --- | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | |
| | KS5292 | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | 92 | |
| | MANOKIN | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | 95 | |
| | RESNIK | 90 | 93 | 96 | 99 | 83 | 96 | 100 | 102 | 94 | 90 | 87 | 94 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | SHERMAN | 97 | 90 | 97 | 97 | 102 | 91 | 92 | 111 | 86 | 100 | 87 | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | SPARKS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 95 | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | STAFFORD | --- | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | --- | 85 | |
| | WILLIAMS 82 | 95 | 84 | 81 | 88 | 82 | 89 | 54 | 60 | 86 | 85 | 110 | 83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| K-SOY | DELISOY 5500 | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | 96 | --- | --- | --- | --- | 106 | |
| K-SOY | KS3494 | 96 | 91 | 94 | 102 | 89 | 105 | 97 | 114 | 104 | 103 | 107 | 100 | 102 | 96 | 104 | 95 | 99 | 102 | --- | 96 | --- | |
| K-SOY | KS4694 | 109 | 77 | 89 | 94 | 108 | 89 | 90 | 110 | 88 | 110 | 86 | 95 | 107 | 74 | 97 | 98 | 91 | 103 | 113 | 89 | 97 | |
| K-SOY | KS4895 | --- | --- | 80 | 95 | --- | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| K-SOY | KS4997 | --- | --- | --- | 116 | --- | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | 104 | --- | --- | --- | --- | 104 | |
| K-SOY | MACON | 101 | 105 | 105 | 99 | 119 | 115 | 107 | 84 | 105 | 99 | 95 | 103 | 105 | 93 | 113 | 93 | 108 | 87 | --- | 97 | 99 | |
| K-SOY | STRESSLAND | 98 | 92 | 99 | 116 | 84 | 98 | 120 | 94 | 96 | 101 | 99 | 100 | 100 | 95 | 111 | 110 | 97 | 118 | --- | 102 | 105 | |
| ADVANCED GENETICS | AG3630STS | --- | 98 | --- | --- | 76 | 106 | --- | 97 | 129 | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | AG3667RR | --- | --- | --- | --- | 87 | --- | --- | 89 | --- | --- | --- | 88 | --- | 106 | --- | --- | --- | 85 | --- | --- | 96 | |
| ADVANCED GENETICS | AG3797RR | --- | --- | --- | --- | 95 | --- | --- | 92 | --- | --- | --- | 94 | 103 | 102 | --- | --- | 102 | 100 | 98 | --- | 101 | |
| ADVANCED GENETICS | AG3822NRR | --- | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | 107 | --- | 101 | --- | --- | 97 | --- | 114 | --- | 104 | |
| ADVANCED GENETICS | AG3860NSTS | --- | 103 | --- | --- | 83 | 108 | --- | --- | 84 | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | AG3957RR | --- | --- | --- | --- | 116 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | 102 | 100 | 107 | --- | --- | 103 | |
| ADVANCED GENETICS | AG4147RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 90 | --- | --- | 86 | --- | --- | 88 | |
| ADVANCED GENETICS | AG4188STS | --- | 103 | --- | --- | --- | --- | --- | --- | 109 | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | AG4333NRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | 99 | --- | --- | 101 | 102 | --- | 101 | |
| ADVANCED GENETICS | AG4427RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 91 | 91 | 78 | --- | 104 | --- | --- | 91 | |
| ADVANCED GENETICS | AG4437RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 95 | 90 | --- | --- | 85 | 118 | --- | 97 | |
| ADVANCED GENETICS | AG5277RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | --- | 90 | |
| ADVANCED GENETICS | BOUNTYSTS | --- | --- | --- | --- | 85 | --- | --- | --- | --- | --- | --- | 85 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | DS410(DeLange) | --- | --- | 84 | --- | --- | --- | --- | --- | 106 | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | DS454(DeLange) | --- | 114 | 99 | 98 | --- | --- | 91 | --- | 98 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | DS466(DeLange) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 | |
| ADVANCED GENETICS | DS485(DeLange) | --- | --- | 101 | 122 | --- | --- | --- | --- | --- | --- | --- | 112 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | EXPRESS II | --- | --- | --- | --- | 84 | --- | --- | --- | --- | --- | --- | 84 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| ADVANCED GENETICS | GALAXY | --- | --- | --- | --- | --- | --- | --- | --- | 107 | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| AGRIPRO | AP3250 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |

(CONTINUED)

TABLE 23. YIELD AS % OF TEST AVERAGE FROM 1998 LOCATIONS. (CONTINUED)

| BRAND | NAME | STANDARD TRIALS | | | | | | | | | | | ROUNDUP-RESISTANT TRIALS | | | | | | | | | |
|----------------|--------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | | BRO | SHA | FRA | LAB | RPD | RPI | HAR | ELL | STA | THO | FIN | AVGST | BRR | SHR | FRR | COR | RCR | HRR | STR | THR | AVGRR |
| AGRIPRO | AP3702RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | 89 | --- | --- | 98 | 97 | --- |
| AGRIPRO | AP3880 | 105 | 92 | 107 | --- | --- | 105 | --- | --- | --- | --- | 102 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGRIPRO | AP3902RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | 100 | --- | 97 | 110 | 104 | 94 | 100 | --- |
| AGRIPRO | AP4500 | --- | --- | 99 | 97 | --- | --- | 90 | --- | 86 | --- | 116 | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGRIPRO | AP4540SCN | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 |
| AGRIPRO | AP4880 | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | 90 | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGRIPRO | AP543RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 119 |
| ASGROW | AG3002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | --- | --- | 110 | 104 | --- |
| ASGROW | AG3302 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | 106 | --- | 79 | 111 | 99 | --- |
| ASGROW | AG3701 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 111 | --- | --- | 93 | 111 | 120 | 101 | 107 | --- |
| ASGROW | AG3901 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 94 | --- | --- | 101 | 110 | 100 | --- | 101 | --- |
| ASGROW | AG4301 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | 96 | --- |
| DEKALB | CX348 | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 84 |
| DEKALB | CX351 | --- | --- | --- | --- | 114 | --- | --- | --- | --- | --- | 114 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DEKALB | CX359RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | 102 | --- | --- | 98 | 100 | 110 |
| DEKALB | CX368 | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DEKALB | CX377 | --- | --- | --- | --- | --- | 110 | --- | 89 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DEKALB | CX399 | --- | --- | 103 | --- | --- | --- | 87 | --- | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DEKALB | CX400 | 108 | 111 | --- | --- | --- | 103 | --- | --- | 100 | --- | 85 | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DEKALB | CX419RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109 | 102 | --- | --- | 102 | 88 | --- | 100 | 82 |
| DEKALB | CX445 | --- | --- | 97 | --- | --- | --- | --- | --- | 106 | --- | 113 | 105 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DEKALB | CX485RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | --- | 94 | --- |
| DEKALB | CX496C | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 |
| DEKALB | CX510C | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 108 |
| DELTAPINE | DP3478 | --- | --- | 85 | --- | --- | --- | 76 | --- | 99 | --- | 87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DELTAPINE | DP3519S | --- | --- | 87 | --- | --- | --- | 32 | --- | 69 | --- | 63 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 |
| DELTAPINE | DP4344RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 83 | 95 | --- | 91 | 134 | --- | 101 | --- |
| DELTAPINE | DP4750RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | 96 | --- | 98 | 185 | --- | 120 | --- |
| DELTAPINE | DPS8S49(EXP) | --- | --- | 82 | --- | --- | --- | 39 | --- | --- | --- | 61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 |
| DYNA-GRO | DG-3368 | 104 | 104 | 109 | --- | 95 | --- | 104 | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DYNA-GRO | DG-3368RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 | 105 | 104 | --- | --- | 90 | --- | --- | 101 | --- |
| DYNA-GRO | DG-3388RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | 114 | 113 | --- | --- | 99 | --- | --- | 107 | --- |
| DYNA-GRO | DG-3395 | 106 | 107 | 111 | 111 | 100 | --- | 95 | --- | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DYNA-GRO | DG-3398RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | 103 | 97 | --- | 90 | --- | --- | 97 | 92 |
| DYNA-GRO | DG-3411NSTS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 111 |
| DYNA-GRO | DG-3424RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | 103 | --- | --- | 108 | --- | --- | 103 | 106 |
| DYNA-GRO | DG-3432NRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | 98 | --- | --- | 96 | --- |
| DYNA-GRO | DG-3438N | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 114 |
| DYNA-GRO | UAPX258RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | --- | 98 | --- |
| FONTANELLE | 3373 | 87 | --- | --- | --- | 108 | --- | --- | --- | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FONTANELLE | 942RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 104 | --- | --- | --- | 99 | --- |
| FONTANELLE | 9761RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | 93 | --- | --- | --- | 93 | --- |
| GARST | D305RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | 102 | --- |
| GARST | D376RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | 100 | --- | --- | 100 | --- | 91 | --- | 97 | 103 |
| GARST | D398(EX7398) | 106 | 110 | 108 | --- | --- | 112 | --- | --- | 110 | --- | 90 | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GARST | D437RR/N | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 101 | --- | 103 | 107 | --- | 109 | --- | 105 | --- |
| GARST | D454 | --- | --- | 94 | 116 | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GARST | D478 | --- | --- | 90 | --- | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GOLDEN HARVEST | H-1316 | --- | --- | --- | --- | 106 | --- | --- | --- | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GOLDEN HARVEST | H-1357RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | 106 | 92 | --- | 103 | --- | --- | --- | 100 | --- |
| GOLDEN HARVEST | H-1383 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GOLDEN HARVEST | H-1454 | --- | --- | 100 | 98 | --- | --- | 118 | --- | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 |
| GOLDEN HARVEST | H-1487 | --- | --- | --- | 111 | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 101 |
| GOLDEN HARVEST | H-1500 | --- | --- | --- | 110 | --- | --- | --- | --- | --- | --- | 110 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 |

(CONTINUED)

TABLE 23. YIELD AS % OF TEST AVERAGE FROM 1998 LOCATIONS. (CONTINUED)

| BRAND | NAME | STANDARD TRIALS | | | | | | | | | | | ROUNDUP-RESISTANT TRIALS | | | | | | | | | |
|----------------|------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | | BRO | SHA | FRA | LAB | RPD | RPI | HAR | ELL | STA | THO | FIN | AVGST | BRR | SHR | FRR | COR | RCR | HRR | STR | THR | AVGRR |
| GOLDEN HARVEST | X384RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | --- | 102 | 109 | --- | 94 | --- | --- | 100 | --- |
| GOLDEN HARVEST | X410RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | 103 | 102 | --- | 113 | --- | --- | 104 | --- |
| HAMON | H-447 | 105 | 96 | --- | --- | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 312 | --- | --- | --- | --- | --- | 95 | --- | --- | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 333 | 100 | 101 | 118 | --- | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 371 | 98 | 114 | --- | --- | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 380 | 98 | 122 | 115 | --- | --- | 102 | 100 | --- | 109 | --- | 108 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 395RR | --- | --- | --- | --- | --- | 95 | --- | --- | --- | --- | 95 | --- | --- | --- | --- | --- | 110 | --- | --- | --- | --- |
| HOEGEMEYER | 401 | 92 | 106 | 106 | --- | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 402STS | --- | --- | --- | --- | --- | 91 | --- | --- | --- | --- | 91 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 80 |
| HOEGEMEYER | 435 | 91 | 82 | 95 | --- | --- | --- | --- | --- | --- | --- | 89 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HOEGEMEYER | 460NRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 73 | 132 | --- | 103 | 108 |
| HORNBECK | 471SCN | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 87 |
| HORNBECK | HBK4890 | --- | --- | 93 | 114 | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HORNBECK | HBK49 | --- | --- | 65 | 78 | --- | --- | --- | --- | --- | --- | 72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 |
| LEWIS | 361 | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LEWIS | 3668RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | 103 |
| LEWIS | 390 | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LEWIS | 3955RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | 100 |
| LEWIS | 4308RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | --- | --- | --- | --- | --- | 102 |
| M/W GENETICS | G3060RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 95 | 95 |
| M/W GENETICS | G3599RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | 80 | --- | --- | 92 |
| M/W GENETICS | G3608RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 | 103 | --- | --- | 104 | 96 | 78 | --- | --- | 97 |
| M/W GENETICS | G3644STS | 91 | --- | --- | --- | 106 | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M/W GENETICS | G3996 | 103 | --- | --- | --- | --- | --- | 93 | --- | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M/W GENETICS | G4411RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | --- | --- | --- | 106 |
| M/W GENETICS | G4425RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | 98 | --- | --- | --- | 96 |
| MERSCHMAN | G4555 | --- | --- | 107 | --- | --- | --- | 84 | --- | --- | --- | 96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MERSCHMAN | DALLAS III | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MERSCHMAN | EISENHOWER V | 109 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MERSCHMAN | KENNEDY IVRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | 99 |
| MERSCHMAN | MEMPHIS IIIRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | --- | --- | --- | 92 |
| MERSCHMAN | TRUMAN VI | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109 |
| MIDLAND | WASHINGTON VIIRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | 99 |
| MIDLAND | 8280RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | --- | 108 |
| MIDLAND | 8284RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 | --- | 104 |
| MIDLAND | 8287 | --- | --- | --- | --- | 107 | 94 | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8291RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | --- | 93 |
| MIDLAND | 8310RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | --- | 93 |
| MIDLAND | 8316STS | --- | --- | --- | --- | 92 | 94 | --- | --- | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8320RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | 99 |
| MIDLAND | 8321 | --- | --- | --- | --- | 122 | 108 | --- | 111 | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 91 |
| MIDLAND | 8322RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 117 | --- | --- | --- | --- | 117 |
| MIDLAND | 8333STS | --- | --- | --- | --- | 123 | --- | --- | --- | --- | --- | 123 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 |
| MIDLAND | 8334 | --- | --- | --- | --- | 117 | 103 | --- | --- | --- | --- | 110 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8341RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | 107 | 110 | 68 | 107 | 98 | 68 |
| MIDLAND | 8345 | --- | 101 | --- | --- | 102 | 100 | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8355 | --- | --- | --- | --- | 106 | 110 | --- | --- | --- | --- | 108 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8361RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | 105 | --- | --- | 106 | --- | --- | --- | --- | 102 |
| MIDLAND | 8371 | 103 | 106 | --- | --- | 103 | 95 | 85 | 81 | 93 | 98 | 96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8377RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 94 | 97 | 103 | --- | 100 | 87 | --- | 92 | 96 | --- |
| MIDLAND | 8381RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | 74 | --- | --- | 89 |
| MIDLAND | 8382RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | 97 | --- | --- | 109 | 113 | 93 | 103 | 103 | --- |
| MIDLAND | 8386STS | 104 | 95 | 98 | --- | 111 | 96 | 75 | 95 | 104 | 86 | 96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

(CONTINUED)

TABLE 23. YIELD AS % OF TEST AVERAGE FROM 1998 LOCATIONS. (CONTINUED)

| BRAND | NAME | STANDARD TRIALS | | | | | | | | | | | ROUNDUP-RESISTANT TRIALS | | | | | | | | | | |
|------------------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| | | BRO | SHA | FRA | LAB | RPD | RPI | HAR | ELL | STA | THO | FIN | AVGST | BRR | SHR | FRR | COR | RCR | HRR | STR | THR | AVGRR | SCN |
| MIDLAND | 8388 | 103 | 114 | 111 | --- | 116 | 102 | --- | 129 | --- | --- | 113 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8390RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 108 | --- | --- | --- | 99 | --- | --- | --- | 104 | 105 |
| MIDLAND | 8393 | --- | --- | --- | --- | --- | --- | --- | 68 | --- | 99 | 116 | 94 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8394RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109 | 99 | 96 | 96 | --- | --- | --- | 100 | 109 | |
| MIDLAND | 8396STS | --- | 94 | --- | --- | 107 | 109 | 97 | 92 | 93 | 110 | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8397RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | --- | 96 | --- | --- | 89 | --- | 98 | 95 | 104 |
| MIDLAND | 8410 | 94 | 92 | 106 | 110 | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8411RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | 107 | 105 | 100 | --- | 113 | 129 | --- | 109 | --- |
| MIDLAND | 8414RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 116 | 110 | --- | 109 | --- |
| MIDLAND | 8420STS | --- | --- | --- | 112 | --- | --- | --- | --- | --- | --- | --- | 112 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 98 |
| MIDLAND | 8421N | --- | --- | 102 | 103 | --- | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 117 |
| MIDLAND | 8422RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 | --- | --- | 115 | 83 | --- | 101 | 106 |
| MIDLAND | 8431 | --- | --- | 97 | 83 | --- | --- | 82 | 75 | 99 | --- | 116 | 92 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 111 |
| MIDLAND | 8432NRR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | --- | --- | --- | 86 | 98 |
| MIDLAND | 8433RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | 94 | --- | --- | 89 | --- | 94 | --- |
| MIDLAND | 8475 | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 110 |
| MIDLAND | 8486 | --- | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8487NB | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | 8530 | --- | --- | --- | 94 | --- | --- | --- | --- | --- | --- | --- | 94 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 78 |
| MIDLAND | 8540RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | --- | 105 | --- |
| MIDLAND | 8570RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | --- | 95 | --- |
| MIDLAND | X362 | 102 | 89 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MIDLAND | X400RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 | 90 | --- | 99 | --- |
| MIDLAND | X442RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | 110 | --- | --- | --- | --- | 107 | 119 |
| MISSOURI PREMIUM | X450NSTS | --- | --- | --- | 114 | --- | --- | --- | --- | --- | --- | --- | 114 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 111 |
| MISSOURI PREMIUM | MAGELLAN | 102 | 83 | 110 | 110 | --- | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 90 |
| MISSOURI PREMIUM | MAVERICK | 101 | 100 | 101 | --- | --- | --- | --- | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 |
| MISSOURI PREMIUM | MUSTANG | 96 | 79 | 92 | 99 | --- | --- | --- | --- | --- | --- | --- | 92 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 |
| MYCOGEN | 5348 | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 |
| MYCOGEN | 5383 | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MYCOGEN | 5404 | 104 | 108 | 107 | 121 | 109 | 106 | 124 | --- | --- | --- | --- | 111 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MYCOGEN | 5430 | --- | 105 | --- | --- | --- | 93 | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MYCOGEN | 5474 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 85 |
| NC+ | 2A96RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 | 104 | 100 |
| NC+ | 2A99 | --- | --- | --- | --- | --- | --- | --- | 127 | --- | 103 | --- | 115 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NC+ | 3A26 | --- | --- | --- | --- | --- | --- | --- | 125 | --- | 102 | --- | 114 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NC+ | 3A66RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | 90 | 71 | --- | 87 | --- |
| NC+ | 3A67 | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NC+ | 3A87 | 111 | --- | --- | --- | 96 | 103 | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NC+ | 4A10 | 99 | 102 | 102 | --- | --- | 101 | 136 | --- | 99 | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NC+ | 4A16RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 91 | 104 | 101 | --- | 100 | 104 | 96 | --- | 99 | --- |
| NC+ | 4A47 | --- | --- | 96 | 89 | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NC+ | 5A44 | --- | --- | --- | 117 | --- | --- | --- | --- | --- | --- | --- | 117 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 114 |
| NK | 5A45RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | --- | 105 | --- |
| NK | 3474 | --- | --- | 107 | 96 | --- | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NK | 3505 | --- | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 |
| NK | S30-K3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 95 | --- | --- | --- | --- | --- | --- | 101 | 98 | --- |
| NK | S33-P2 | --- | 99 | 110 | --- | --- | --- | --- | --- | --- | 116 | --- | 108 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 |
| NK | S35-F5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 90 | --- | --- | --- | 94 | 109 |
| NK | S38-L5 | 104 | 103 | 110 | --- | 91 | 106 | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NK | S39-D9 | --- | --- | --- | --- | 116 | --- | --- | --- | --- | --- | --- | 116 | --- | --- | --- | --- | --- | 106 | 82 | --- | 94 | --- |
| NK | S42-K2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | 88 | --- | --- | 97 | --- |
| NK | S42-M1 | --- | --- | --- | --- | 94 | --- | --- | --- | --- | --- | --- | 94 | 91 | --- | --- | --- | 96 | 96 | 114 | --- | 99 | --- |
| NK | S43-B5 | 102 | 104 | 101 | 111 | 88 | 89 | --- | --- | --- | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

(CONTINUED)

TABLE 23. YIELD AS % OF TEST AVERAGE FROM 1998 LOCATIONS. (CONTINUED)

| BRAND | NAME | STANDARD TRIALS | | | | | | | | | | | ROUNDUP-RESISTANT TRIALS | | | | | | | | | | |
|---------|---------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| | | BRO | SHA | FRA | LAB | RPD | RPI | HAR | ELL | STA | THO | FIN | AVGST | BRR | SHR | FRR | COR | RCR | HRR | STR | THR | AVGRR | SCN |
| NK | S46-V8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | 96 | --- | --- | 100 | 111 | --- | 107 | 92 | --- | 103 | 91 |
| NK | S51-T1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 80 | 80 | --- | --- | --- | 94 | --- | --- | --- | --- | 94 | 93 |
| PIONEER | S57-11 | --- | --- | --- | 88 | --- | --- | --- | --- | --- | --- | --- | 88 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 |
| PIONEER | 9294 | --- | --- | --- | --- | --- | --- | --- | 132 | --- | --- | --- | 132 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 9352 | --- | --- | --- | --- | 115 | --- | 105 | --- | 108 | --- | --- | 109 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 9395 | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 |
| PIONEER | 9396 | 91 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 91 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 |
| PIONEER | 93B34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 93B41 | --- | --- | --- | --- | 102 | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 93B51 | --- | --- | --- | --- | --- | --- | --- | 108 | --- | 100 | 102 | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 |
| PIONEER | 93B53 | --- | --- | --- | --- | --- | 91 | 116 | --- | --- | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 |
| PIONEER | 93B71 | --- | --- | 94 | --- | --- | --- | --- | 123 | --- | 104 | 114 | 109 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 93B82 | 116 | 111 | 119 | --- | --- | 104 | 112 | --- | 118 | --- | --- | 113 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 9421 | 95 | 108 | 106 | --- | --- | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 9492 | --- | --- | --- | 82 | --- | --- | --- | --- | --- | --- | --- | 82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 113 |
| PIONEER | 94B01 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 113 | 113 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PIONEER | 94B41 | --- | 81 | --- | 93 | --- | --- | --- | --- | --- | --- | 88 | 87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 89 |
| PIONEER | 95B33 | --- | --- | --- | 130 | --- | --- | --- | --- | --- | --- | --- | 130 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106 |
| RENZE | R3097 | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RENZE | R3209R | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 101 | 103 | --- | --- | 88 | --- | --- | --- | --- | --- | 96 |
| RENZE | R3297 | 89 | --- | --- | --- | --- | 94 | --- | --- | --- | --- | --- | 92 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RENZE | R356RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | 109 | --- | --- | --- | --- | --- | 101 |
| RENZE | R3599 | 93 | --- | --- | --- | --- | 101 | --- | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3171-1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 101 | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3264 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | 107 | --- | --- | 97 | --- | --- | --- | --- | 101 |
| STINE | 3290 | --- | --- | --- | --- | --- | 94 | --- | --- | --- | --- | --- | 94 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3293-4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109 | --- | --- | --- | 102 | --- | --- | 99 | --- | 103 |
| STINE | 3398-8 | --- | --- | --- | --- | --- | 104 | --- | --- | --- | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3490-4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | 98 | --- | --- | 105 | 117 | --- | --- | --- | 106 |
| STINE | 3581 | 89 | 85 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3690-0 | 100 | 93 | --- | --- | --- | 98 | --- | --- | --- | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3792-4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | --- | --- | --- | 104 |
| STINE | 3870-0 | --- | 106 | 108 | 103 | --- | --- | 106 | --- | --- | --- | 97 | 104 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 3990-0 | 103 | 100 | 103 | --- | --- | 106 | --- | --- | 114 | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 4199-2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 |
| STINE | 4492-4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 | 100 | --- | --- | --- | --- | --- | 100 |
| STINE | 4562-2 | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STINE | 4790 | --- | --- | 96 | 75 | --- | --- | --- | --- | --- | --- | --- | 86 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TAYLOR | X3506 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TAYLOR | 370RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104 | --- | --- | --- | --- | --- | --- | --- | --- | 104 |
| TAYLOR | 396 | 102 | 112 | 106 | --- | --- | 108 | --- | --- | --- | --- | --- | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TAYLOR | 415RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | 105 | --- | --- | --- | --- | --- | --- | 105 |
| TAYLOR | 450RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | 102 | --- | --- | --- | --- | --- | 103 |
| TERRA | 454 | --- | --- | 96 | --- | --- | --- | --- | --- | --- | --- | --- | 96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TERRA | E394 | 97 | 99 | 107 | 91 | --- | --- | --- | --- | 101 | --- | --- | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TERRA | E4280RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 | --- | --- | --- | 121 | --- | --- | 112 |
| TERRA | E438 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 113 |
| TERRA | E4680RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 98 | --- | --- | --- | 83 | --- | --- | 91 |
| TERRA | TS364T(E364T) | 95 | 109 | 115 | 103 | --- | --- | --- | --- | 107 | --- | --- | 106 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TERRA | TS387 | 114 | 120 | 107 | 97 | --- | --- | --- | --- | 119 | --- | --- | 111 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TERRA | TS415 | 112 | 107 | 109 | 127 | --- | --- | --- | --- | 121 | --- | --- | 115 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TERRA | TS466RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 90 | 109 | --- | --- | 151 | --- | --- | 117 |
| TERRA | TS474 | 101 | 109 | 93 | 84 | --- | --- | --- | --- | 98 | --- | --- | 97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TERRA | TS4792 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 102 |

(CONTINUED)

TABLE 23. YIELD AS % OF TEST AVERAGE FROM 1998 LOCATIONS. (CONTINUED)

| BRAND | NAME | STANDARD TRIALS | | | | | | | | | | | ROUNDUP-RESISTANT TRIALS | | | | | | | | | | |
|-----------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| | | BRO | SHA | FRA | LAB | RPD | RPI | HAR | ELL | STA | THO | FIN | AVGST | BRR | SHR | FRR | COR | RCR | HRR | STR | THR | AVGRR | SCN |
| TERRA | TS504 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 88 |
| TRIUMPH | TS556RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 96 | --- | --- | 82 | --- | --- | 89 |
| TRIUMPH | TR3939RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 99 | --- | 106 | 110 | --- | --- | --- | --- | --- | 105 |
| TRIUMPH | TR4339RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 101 | --- | 101 | 103 | --- | --- | --- | --- | --- | 102 |
| TRIUMPH | TR5409RR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | --- | --- | --- | --- | --- | 103 |
| WILLCROSS | 9378STS | 105 | 98 | 113 | --- | --- | --- | 99 | --- | 97 | --- | --- | 102 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WILLCROSS | 9447 | --- | --- | 95 | 97 | --- | --- | 76 | --- | 97 | --- | --- | 91 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WILLCROSS | 9449NSTS | --- | --- | 88 | 96 | --- | --- | 107 | --- | 108 | --- | --- | 100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 73 |
| WILLCROSS | 9640 | 115 | 114 | 114 | --- | --- | --- | 146 | --- | 94 | --- | --- | 117 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WILLCROSS | 9738 | 106 | 108 | 109 | --- | --- | --- | 83 | --- | 98 | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WILLCROSS | 9841 | --- | 95 | 95 | 106 | --- | --- | 104 | --- | 107 | --- | --- | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WILLCROSS | RR2309 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 93 | --- | --- | --- | --- | --- | --- | --- | --- | 93 |
| WILLCROSS | RR2338 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 105 | --- | --- | --- | --- | --- | --- | --- | --- | 105 |
| WILLCROSS | RR2357 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 111 | --- | --- | --- | --- | --- | --- | --- | --- | 111 |
| WILLCROSS | RR2368 | 107 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 107 | 104 | 101 | 109 | --- | --- | --- | 102 | --- | --- | 104 |
| WILLCROSS | RR2397 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 94 | 100 | 99 | --- | --- | 88 | 73 | --- | --- | 91 |
| WILLCROSS | RR2448 | --- | --- | --- | --- | --- | --- | 70 | --- | 94 | --- | --- | 82 | --- | --- | 88 | 80 | --- | 92 | 121 | --- | --- | 95 |
| WILLCROSS | RR2449N | --- | --- | --- | --- | --- | --- | 80 | --- | --- | --- | --- | 80 | --- | --- | 100 | 110 | --- | 95 | 110 | --- | --- | 104 |
| WILLCROSS | RR2467N | --- | --- | --- | 86 | --- | --- | --- | --- | --- | --- | --- | 86 | --- | --- | 92 | 102 | --- | 83 | 129 | --- | --- | 102 |
| WILLCROSS | RR2517N | --- | --- | --- | 86 | --- | --- | 39 | --- | 58 | --- | --- | 61 | --- | --- | --- | 111 | --- | 71 | 95 | --- | --- | 92 |
| WILSON | 3380 | --- | --- | --- | --- | --- | --- | 118 | --- | 130 | --- | --- | 124 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WILSON | E8362 | --- | --- | --- | --- | --- | --- | 113 | --- | 93 | --- | --- | 103 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

* BRO = BROWN COUNTY, SHA = SHAWNEE COUNTY, FRA = FRANKLIN COUNTY, LAB = LABETTE COUNTY, RPD = REPUBLIC COUNTY, BELLEVILLE TEST, RPI = REPUBLIC COUNTY, SCANDIA TEST, HAR = HARVEY COUNTY, ELL = ELLIS COUNTY, STA = STAFFORD COUNTY, THO = THOMAS COUNTY, FIN = FINNEY COUNTY, AVGST = AVERAGE OF ALL STANDARD TRIALS, EXCEPT THE SOYBEAN CYST NEMATODE TRIAL (SCN), BRR = BROWN COUNTY ROUNDUP-RESISTANT, SHR = SHAWNEE COUNTY ROUNDUP-RESISTANT, FRR = FRANKLIN COUNTY ROUNDUP-RESISTANT, COR = CHEROKEE COUNTY ROUNDUP-RESISTANT, RCR = REPUBLIC COUNTY ROUNDUP-RESISTANT, HRR = HARVEY COUNTY ROUNDUP-RESISTANT, STR = STAFFORD COUNTY ROUNDUP-RESISTANT, THR = THOMAS COUNTY ROUNDUP-RESISTANT, AVGRR = AVERAGE OF ALL ROUNDUP-RESISTANT TRIALS, SCN = CHEROKEE COUNTY SCN TRIAL

(CONTINUED)

TABLE 24. DESCRIPTION OF ENTRIES IN 1998 SOYBEAN PERFORMANCE TEST. * (CONTINUED)

| BRAND | NAME | MG | VT | FC | HI | PU | PD | SCN | | | PHYTO | | RR | STS | IRON | |
|-------------------|----------------|-----|----|-----|----|----|----|-----|----|-----|----------------|-------|-----|-----|------|-----|
| | | | | | | | | R1 | R3 | R14 | SOURCE | RR | | | | TOL |
| | A94-774021 | III | PL | | | | | | | | | | N | N | 6.0 | |
| | ANAND | V | PL | P | BL | T | | | R | | PI437654 | S | | N | N | 7.6 |
| | CRAWFORD | IV | PL | P | BL | T | BR | S | S | S | | S | | N | N | 7.0 |
| | FLYER | IV | PL | P | BL | T | T | S | S | S | | RPS1k | | N | N | 6.8 |
| | HARTWIG | V | PL | W | BL | T | | R | R | R | PI437654 | S | | N | N | 6.9 |
| | HC93-4118 | IV | PL | | | | | | | | | | | N | N | 7.0 |
| | HUTCHESON | V | PL | W | BF | G | T | S | S | S | | S | | N | N | 5.5 |
| | IA2022 | II | PL | P | BL | G | BR | S | S | S | | S | | N | N | 6.7 |
| | K1340 | | PL | | | | | | | | | | | N | N | 6.6 |
| | K1364 | | PL | | | | | | | | | | | N | N | 5.1 |
| | K1366 | | PL | | | | | | | | | | | N | N | 6.5 |
| | K1370 | | PL | | | | | | | | | | | N | N | 6.6 |
| | K1377 | | PL | | | | | | | | | | | N | N | 6.4 |
| | K1378 | | PL | | | | | | | | | | | N | N | 7.0 |
| | K1379 | | PL | | | | | | | | | | | N | N | 6.4 |
| | K1380 | | PL | | | | | | | | | | | N | N | 6.1 |
| | K1381 | | PL | | | | | | | | | | | N | N | 6.6 |
| | K1386 | | PL | | | | | | | | | | | N | N | 7.3 |
| | K1391 | | PL | | | | | | | | | | | N | N | 6.7 |
| | K1393 | | PL | | | | | | | | | | | N | N | 7.1 |
| | KS5292 | V | PL | W | BF | G | T | R | R | S | PEKING | S | | N | N | 6.9 |
| | MANOKIN | V | PL | W | BL | T | T | R | R | S | PEKING | S | | N | N | 5.7 |
| | RESNIK | III | PL | P | BL | T | T | S | S | S | | RPS1k | | N | N | 7.0 |
| | SHERMAN | III | PL | W | BF | G | BR | S | S | S | | S | | N | N | 7.0 |
| | SPARKS | IV | PL | W | BL | T | T | S | S | S | | RPS1 | | N | N | 5.5 |
| | STAFFORD | V | PL | P | IB | G | T | S | S | S | | S | | N | N | 7.0 |
| | WILLIAMS 82 | III | PL | W | BL | BR | T | S | S | S | | RPS1k | | N | N | 6.8 |
| KSOY | DELSOY 5500 | V | PL | W | | T | T | | R | MR | Peking/PI88788 | S | | N | N | 6.7 |
| KSOY | KS3494 | III | PL | P | BL | T | BR | S | S | S | | S | | N | N | 7.5 |
| KSOY | KS4694 | IV | PL | W | BF | G | BR | S | S | S | | S | | N | N | 6.9 |
| KSOY | KS4895 | IVS | PL | P | BL | G | T | S | S | S | | S | | N | N | 6.4 |
| KSOY | KS4997 | IVS | PL | W | BL | T | T | S | S | S | | S | | N | N | 6.6 |
| KSOY | MACON | III | PL | W | BL | T | BR | S | S | S | | S | | N | N | 6.7 |
| KSOY | STRESSLAND | IV | PL | P | BL | T | T | S | S | S | | S | | N | N | 7.0 |
| ADVANCED GENETICS | AG3630STS | IV | PL | W | BL | T | T | | | | | RG1c | 1.4 | N | Y | 6.8 |
| ADVANCED GENETICS | AG3667RR | III | PL | P | BR | T | BR | | | | | RPS1a | | Y | N | 7.1 |
| ADVANCED GENETICS | AG3797RR | III | PL | P | BL | T | BR | | | | | RPS1k | 1.8 | Y | N | 7.2 |
| ADVANCED GENETICS | AG3822NRR | IV | PL | W | BL | T | BR | S | MR | MR | | | 1.7 | N | N | 6.3 |
| ADVANCED GENETICS | AG3860NSTS | IV | PL | W | BL | T | T | S | MR | MR | | | 1.7 | N | Y | 6.7 |
| ADVANCED GENETICS | AG3957RR | III | PL | W | BL | T | T | | | | | | 1.5 | Y | N | 6.5 |
| ADVANCED GENETICS | AG4147RR | IV | PL | P | BL | T | T | | | | | RPS1k | 2.1 | Y | N | 6.7 |
| ADVANCED GENETICS | AG4188STS | IV | PL | P | BL | T | T | | | | | XG1c | 2.2 | N | Y | 7.0 |
| ADVANCED GENETICS | AG4333NRR | IV | PL | P/W | BL | T | T | | R | R | | RPS1k | 1.5 | Y | | 7.3 |
| ADVANCED GENETICS | AG4427RR | IV | PL | W | BF | G | T | | | | | | 4.0 | Y | | 6.9 |
| ADVANCED GENETICS | AG4437RR | IV | PL | W | BF | G | T | | | | | RPS2 | | Y | N | 6.1 |
| ADVANCED GENETICS | AG5277RR | V | PL | P | | T | | | | | | | | Y | | 7.0 |
| ADVANCED GENETICS | BOUNTYSTS | IV | PL | | | | | | | | | | | N | Y | 6.8 |
| ADVANCED GENETICS | DS410(DeLange) | IV | PL | P | BL | BR | BR | | | | | RPS1c | 3.0 | N | | 6.7 |
| ADVANCED GENETICS | DS454(DeLange) | IV | PL | P | BL | T | BR | | | | | RPS1c | 3.0 | N | | 5.6 |
| ADVANCED GENETICS | DS466(DeLange) | IV | PL | W | BL | T | T | | R | R | | | 4.0 | N | | 6.6 |
| ADVANCED GENETICS | DS485(DeLange) | IV | PL | P | BL | G | T | | | | | | 4.0 | N | | 7.8 |
| ADVANCED GENETICS | EXPRESS II | IV | PL | | | | | | | | | | | N | N | 7.3 |
| ADVANCED GENETICS | GALAXY | IV | PL | | | | | | | | | | | N | N | 6.4 |

(CONTINUED)

TABLE 24. DESCRIPTION OF ENTRIES IN 1998 SOYBEAN PERFORMANCE TEST. * (CONTINUED)

| BRAND | NAME | MG | VT | FC | HI | PU | PD | SCN | | | SOURCE | PHYTO | | RR | STS | IRON |
|----------------|--------------|-----|----|-----|-------|----|----|-----|----|-----|----------|-------|-----|----|-----|------|
| | | | | | | | | R1 | R3 | R14 | | RR | TOL | | | |
| AGRIPRO | AP3250 | III | PL | P | BL | T | T | S | S | S | | RPS1k | 1.0 | N | N | 7.4 |
| AGRIPRO | AP3702RR | IV | PL | P | BL | T | BR | S | S | S | | | 2.0 | Y | N | 7.1 |
| AGRIPRO | AP3880 | IV | PL | P | BL | T | T | S | S | S | | RPS1c | 1.0 | N | N | 6.8 |
| AGRIPRO | AP3902RR | IV | PL | P | BL | T | T | S | S | S | | | 2.0 | Y | N | 6.9 |
| AGRIPRO | AP4500 | IV | PL | P | BL | T | BR | S | S | S | | RPS1c | 2.0 | N | N | 5.5 |
| AGRIPRO | AP4540SCN | IV | PL | W | BL | T | T | S | R | MR | PI 88788 | | 2.0 | N | N | 6.8 |
| AGRIPRO | AP4880 | V | PL | P | BL | T | BR | S | S | S | | | 2.0 | N | N | 7.4 |
| AGRIPRO | AP543RR | V | PL | P | BF | G | T | S | R | R | PI 88788 | | 2.0 | Y | N | 6.6 |
| ASGROW | AG3002 | III | PL | P | IB | T | BR | S | S | S | | RPS1k | 3 | Y | N | 6.6 |
| ASGROW | AG3302 | III | PL | P | IB | G | T | S | S | S | | RPS1c | 3 | Y | N | 7.1 |
| ASGROW | AG3701 | IV | PL | P | IB | G | T | S | R | S | | | 2 | Y | N | 7.2 |
| ASGROW | AG3901 | IV | PL | W | BL | T | T | S | R | R | | | 2 | Y | N | 6.7 |
| ASGROW | AG4301 | IV | PL | P | BL | T | T | S | R | R | | | 2 | Y | N | 6.8 |
| DEKALB | CX348 | III | PL | P | BL | T | T | S | S | S | | S | 4.0 | N | N | 6.0 |
| DEKALB | CX351 | III | PL | P | BL | T | T | S | S | S | | RPS1c | 2.0 | N | N | 4.7 |
| DEKALB | CX359RR | III | PL | W | BL | T | T | S | S | S | | S | | Y | N | 5.2 |
| DEKALB | CX368 | III | PL | W | BL | T | T | S | S | S | | RPS1c | 2.0 | N | N | 5.5 |
| DEKALB | CX377 | III | PL | W | BL | T | T | S | S | S | | RPS1c | 2.0 | N | N | 6.5 |
| DEKALB | CX399 | III | PL | W | BL | T | T | S | S | S | | RPS1c | 2.0 | N | N | 6.1 |
| DEKALB | CX400 | IV | PL | W | BL | T | BR | S | S | S | | S | | N | N | 7.1 |
| DEKALB | CX419RR | IV | PL | W | BL | T | T | S | S | S | | RPS1c | | Y | N | 6.1 |
| DEKALB | CX445 | IV | PL | W | BL | T | BR | S | S | S | | RPS1c | 2.0 | N | N | 5.2 |
| DEKALB | CX485RR | IV | PL | W | BL | T | T | S | S | S | | S | | Y | N | 6.5 |
| DEKALB | CX496C | IV | PL | W | BL | T | T | S | R | S | | S | 4.0 | N | N | 5.4 |
| DEKALB | CX510C | V | PL | W | BL | T | T | S | R | S | | S | 2.0 | N | N | 7.4 |
| DELTAPINE | DP3478 | IV | PL | P | BL | T | T | MR | MR | MR | | | 1.0 | N | N | 7.3 |
| DELTAPINE | DP3519S | V | PL | P | BL | G | T | S | R | MR | | | 1.0 | N | N | 6.3 |
| DELTAPINE | DP4344RR | IV | PL | W | BL | T | T | S | S | S | | | 1.0 | Y | N | 6.0 |
| DELTAPINE | DP4750RR | IV | PL | P | BL | T | BR | S | S | S | | | 1.0 | Y | N | 6.8 |
| DELTAPINE | DPS8S49(EXP) | IV | PL | W | BL | T | T | S | R | MR | | | 1.0 | N | N | 6.9 |
| DYNA-GRO | DG-3368 | III | PL | P | BR | BR | T | | | | | RPS1c | 7.0 | | | 7.9 |
| DYNA-GRO | DG-3368RR | | | | | | | | | | | | | | | 7.2 |
| DYNA-GRO | DG-3388RR | III | PL | P | BL | T | T | | R | MR | | RPS1k | 7.0 | | | 6.5 |
| DYNA-GRO | DG-3395 | III | PL | P/W | BR/BL | T | BR | | | | | RPS1c | 7.0 | | | 7.4 |
| DYNA-GRO | DG-3398RR | IV | PL | W | BL | BR | T | | R | | PI88788 | | 7.0 | | | 7.4 |
| DYNA-GRO | DG-3411NSTS | | | | | | | | | | | | | | | 5.9 |
| DYNA-GRO | DG-3424RR | | | | | | | | | | | | | | | 5.7 |
| DYNA-GRO | DG-3432NRR | | | | | | | | | | | | | | | 6.8 |
| DYNA-GRO | DG-3438N | | | | | | | | | | | | | | | 7.2 |
| DYNA-GRO | UAPX258RR | | | | | | | | | | | | | | | 6.0 |
| FONTANELLE | 3373 | III | PL | W | BL | T | BR | S | S | S | | RPS1k | 1.8 | N | N | 5.9 |
| FONTANELLE | 942RR | III | PL | W | BL | T | T | S | S | S | | | 2.5 | Y | N | 6.4 |
| FONTANELLE | 9761RR | III | PL | P | BR | T | BR | S | S | S | | | 2.5 | Y | N | 6.9 |
| GARST | D305RR | III | PL | P | BL | T | T | S | S | S | | RPS1k | 2.5 | Y | N | 6.0 |
| GARST | D376RR | III | PL | P | BR | T | T | S | S | S | | | 2.0 | Y | N | 7.5 |
| GARST | D398(EX7398) | III | PL | W | BL | T | T | S | S | S | | | 2.5 | N | N | 7.3 |
| GARST | D437RR/N | IV | PL | M | BL | T | T | S | R | MR | | RPS1k | 2.4 | Y | N | 6.9 |
| GARST | D454 | IV | PL | W | BF | G | T | S | R | MR | PI88788 | RPS1a | 2.3 | N | N | 6.2 |
| GARST | D478 | IV | PL | P | BL | T | T | S | R | MR | PI88788 | | 2.0 | N | N | 7.6 |
| GOLDEN HARVEST | H-1316 | III | PL | P | BL | T | BR | S | S | S | | | 2.7 | N | N | 6.9 |
| GOLDEN HARVEST | H-1357RR | IV | PL | P | BR | T | BR | S | S | S | | RPS1a | 1.8 | Y | N | 7.4 |
| GOLDEN HARVEST | H-1383 | IV | PL | W | BL | T | BR | S | S | S | | RPS1a | 2.8 | N | N | 6.9 |
| GOLDEN HARVEST | H-1454 | IV | PL | W | BF | G | BR | S | R | R | PI88788 | RPS1a | 2.3 | N | N | 6.7 |

(CONTINUED)

TABLE 24. DESCRIPTION OF ENTRIES IN 1998 SOYBEAN PERFORMANCE TEST. * (CONTINUED)

| BRAND | NAME | MG | VT | FC | HI | PU | PD | SCN | | | PHYTO | | RR | STS | IRON | | |
|----------------|------------------|-----|----|-----|----|----|----|-----|----|-----|---------|---------|-----|-----|------|-----|-----|
| | | | | | | | | R1 | R3 | R14 | SOURCE | RR | | | | TOL | |
| GOLDEN HARVEST | H-1487 | V | PL | P | BL | T | T | S | R | R | PI88788 | | 1.7 | N | N | 6.9 | |
| GOLDEN HARVEST | H-1500 | V | PL | W | BL | T | T | S | R | S | PI88788 | | 1.5 | N | N | 7.3 | |
| GOLDEN HARVEST | X384RR | IV | PL | P | BL | T | BR | S | R | R | PI88788 | | 2.0 | Y | N | 7.0 | |
| GOLDEN HARVEST | X410RR | IV | PL | P | BR | T | BR | S | S | S | | | 2.5 | Y | N | 6.7 | |
| HAMON | H-447 | IV | PL | P | BL | T | BR | S | S | S | | RPS1k | 1.8 | N | N | 7.1 | |
| HOEGEMEYER | 312 | IV | PL | P | BL | T | BR | S | S | S | | | | N | | 7.3 | |
| HOEGEMEYER | 333 | III | PL | P | IB | G | BR | S | S | S | | RPS1a,6 | 7.0 | N | | 7.2 | |
| HOEGEMEYER | 371 | III | PL | P | BL | G | BR | S | S | S | | | | N | | 7.3 | |
| HOEGEMEYER | 380 | III | PL | P | BR | T | BR | S | S | S | | | | N | N | 7.0 | |
| HOEGEMEYER | 395RR | | PL | P | BL | T | T | S | S | S | | RPS1c | 7.0 | Y | | 7.1 | |
| HOEGEMEYER | 401 | IV | PL | P | BR | T | T | S | S | S | | | | N | N | 6.9 | |
| HOEGEMEYER | 402STS | IV | PL | P | BL | T | T | S | S | S | | | | N | Y | 6.9 | |
| HOEGEMEYER | 435 | IV | PL | W | BL | T | BR | S | S | S | | | | N | N | 7.3 | |
| HOEGEMEYER | 460NRR | | PL | W | BL | T | T | S | R | MR | | RPS7 | 7.0 | Y | N | 8.0 | |
| HOEGEMEYER | 471SCN | IV | PL | W | BF | G | BR | S | MR | MR | | | | N | N | 6.4 | |
| HORNBECK | HBK4890 | V | PL | P | IB | G | T | S | S | S | | | | 2.0 | N | N | 6.1 |
| HORNBECK | HBK49 | V | PL | W | BF | G | T | MS | S | S | | R | | 2.0 | N | N | 5.6 |
| LEWIS | 361 | IV | PL | | | | | | | | | | | 1.7 | | | 7.5 |
| LEWIS | 3668RR | IV | PL | | | | | | | | | | | | | | 6.9 |
| LEWIS | 390 | IV | PL | | | | | | | | | | | 1.6 | | | 6.6 |
| LEWIS | 3955RR | IV | PL | | | | | | | | | | | | | | 6.8 |
| LEWIS | 4308RR | IV | PL | | | | | | | | | | | | | | 7.0 |
| M/W GENETICS | G3060RR | III | PL | P/W | BL | T | T | S | S | S | | RPS1k | 1.5 | Y | | 7.3 | |
| M/W GENETICS | G3599RR | III | PL | W | BL | T | T | S | S | S | | | | 2.8 | Y | | 6.2 |
| M/W GENETICS | G3608RR | III | PL | P | BR | T | BR | S | S | S | | RPS1a | 1.7 | Y | | 6.9 | |
| M/W GENETICS | G3644STS | III | PL | W | BL | T | T | S | S | S | | RPS1c | 1.4 | N | Y | 5.3 | |
| M/W GENETICS | G3996 | III | PL | W | BL | T | BR | S | S | S | | | | 1.8 | N | | 7.0 |
| M/W GENETICS | G4411RR | IV | PL | W | BL | T | T | S | S | S | | | | 1.8 | Y | | 6.6 |
| M/W GENETICS | G4425RR | IV | PL | W | BF | G | T | S | S | S | | | | 2.0 | Y | | 6.7 |
| M/W GENETICS | G4555 | IV | PL | P | BL | T | T | S | S | S | | RPS1c | 1.9 | N | | 5.9 | |
| MERSCHMAN | DALLAS III | | PL | P | BR | T | BR | S | S | S | | | | 5.0 | N | | 7.2 |
| MERSCHMAN | EISENHOWER V | | PL | W | BL | T | BR | S | S | S | | RPS1a | 5.0 | N | | 6.6 | |
| MERSCHMAN | KENNEDY IVRR | | PL | P | BR | T | BR | S | S | S | | RPS1a | 5.0 | Y | N | 7.3 | |
| MERSCHMAN | MEMPHIS IIIRR | | PL | W | BL | T | T | S | R | MR | PI88788 | | | 7.0 | Y | N | 7.1 |
| MERSCHMAN | TRUMAN VI | | PL | P | BR | T | BR | S | S | S | | | | 5.0 | N | N | 6.8 |
| MERSCHMAN | WASHINGTON VIIRR | | PL | P | BL | T | T | S | S | S | | RPS1c | 6.0 | Y | N | 7.6 | |
| MIDLAND | 8280RR | III | PL | P | BL | T | T | S | S | S | | RPS1k | 2.1 | Y | | 5.7 | |
| MIDLAND | 8284RR | III | PL | P | BF | G | BR | S | S | S | | | | 2.0 | Y | | 6.3 |
| MIDLAND | 8287 | III | PL | P | BL | T | BR | S | S | S | | | | 2.0 | N | | 7.7 |
| MIDLAND | 8291RR | III | PL | P | BL | T | BR | S | S | S | | RPS1k | 2.0 | Y | | 5.2 | |
| MIDLAND | 8310RR | III | PL | P | BL | T | T | S | S | S | | RPS1k | 2.1 | Y | N | 6.5 | |
| MIDLAND | 8316STS | III | PL | P | BL | T | T | S | S | S | | | | 2.0 | N | Y | 6.6 |
| MIDLAND | 8320RR | III | PL | P | IB | G | BR | S | R | R | | | | 2.0 | Y | N | 6.7 |
| MIDLAND | 8321 | III | PL | P | BL | BR | BR | S | S | S | | RPS1k | 1.9 | N | N | 6.5 | |
| MIDLAND | 8322RR | III | PL | P | BL | T | T | S | S | S | | | | 2 | Y | N | 6.6 |
| MIDLAND | 8333STS | III | PL | P | BL | T | T | S | S | S | | | | 2.7 | N | Y | 7.1 |
| MIDLAND | 8334 | III | PL | P | BR | T | BR | S | S | S | | | | 3.0 | N | | 6.6 |
| MIDLAND | 8341RR | III | PL | W | BL | T | T | S | S | S | | | | 1.9 | Y | | 6.5 |
| MIDLAND | 8345 | III | PL | P | IB | G | G | S | S | S | | | | | N | | 6.9 |
| MIDLAND | 8355 | III | PL | P | IB | G | T | S | S | S | | | | 2.8 | N | | 6.5 |
| MIDLAND | 8361RR | IV | PL | P | BR | T | BR | S | S | S | | RPS1a | 5.0 | Y | | 7.7 | |
| MIDLAND | 8371 | IV | PL | P | BL | T | BR | S | S | S | | | | | N | | 7.2 |
| MIDLAND | 8377RR | IV | PL | W | BL | T | T | S | S | S | | | | 1.5 | Y | | 6.8 |

(CONTINUED)

TABLE 24. DESCRIPTION OF ENTRIES IN 1998 SOYBEAN PERFORMANCE TEST. * (CONTINUED)

| BRAND | NAME | MG | VT | FC | HI | PU | PD | SCN | | | SOURCE | PHYTO | | RR | STS | IRON |
|------------------|----------|-----|----|-----|----|----|----|-----|----|-----|---------|-------|-----|----|-----|------|
| | | | | | | | | R1 | R3 | R14 | | RR | TOL | | | |
| MIDLAND | 8381RR | IV | PL | P | BL | T | BR | S | S | S | | RPS1c | 2.0 | Y | | 7.4 |
| MIDLAND | 8382RR | IV | PL | P | BL | T | BR | S | S | S | | RPS1k | 1.8 | Y | | 7.0 |
| MIDLAND | 8386STS | IV | PL | P | BL | T | T | S | S | S | | | 2.8 | N | Y | 7.9 |
| MIDLAND | 8388 | IV | PL | W | BL | T | BR | S | S | S | | RPS1a | 6.0 | N | | 6.3 |
| MIDLAND | 8390NRR | IV | PL | P | BL | T | BR | S | R | S | | | 2.0 | Y | | 6.8 |
| MIDLAND | 8393 | IV | PL | P | BL | T | T | S | S | S | | | 3.0 | N | | 6.3 |
| MIDLAND | 8394NRR | IV | PL | W | BL | T | BR | S | MR | MR | | | 1.7 | Y | | 7.0 |
| MIDLAND | 8396STS | IV | PL | P | BL | T | T | S | S | S | | RPS1c | 2.0 | N | | 6.8 |
| MIDLAND | 8397RR | IV | PL | P | BL | T | T | S | S | S | | RPS1c | 3.1 | Y | | 7.0 |
| MIDLAND | 8410 | IV | PL | P | BR | T | T | S | S | S | | S | 4.0 | N | | 6.5 |
| MIDLAND | 8411RR | IV | PL | P | BR | T | BR | S | S | S | | | | Y | | 6.8 |
| MIDLAND | 8414RR | IV | PL | W | BL | T | T | S | S | S | | | 1.8 | Y | | 7.0 |
| MIDLAND | 8420STS | IV | PL | P | BL | T | T | S | R | S | | | 1.8 | N | Y | 6.5 |
| MIDLAND | 8421N | IV | PL | W | BL | T | T | S | R | MR | | | 6.0 | N | | 7.9 |
| MIDLAND | 8422RR | IV | PL | P | BL | T | T | S | R | MR | | RPS1k | 2.2 | Y | | 7.0 |
| MIDLAND | 8431 | IV | PL | P | BL | T | T | | | | | RPS1k | 2.0 | N | | 7.4 |
| MIDLAND | 8432NRR | IV | PL | P/W | BL | T | T | S | R | S | | RPS1c | 2.1 | Y | | 6.6 |
| MIDLAND | 8433RR | IV | PL | W | BL | T | T | S | S | S | | | 1.6 | Y | | 6.6 |
| MIDLAND | 8475 | V | PL | W | BL | T | T | S | R | R | | | 4.0 | N | | 6.2 |
| MIDLAND | 8486 | V | PL | P | BL | BR | BR | | | | | S | 2.0 | N | | 7.3 |
| MIDLAND | 8487NB | V | B | M | BL | M | M | S | MR | MR | | | | N | | 6.7 |
| MIDLAND | 8530 | V | PL | M | BL | T | T | S | MR | S | | | 2.0 | N | | 5.4 |
| MIDLAND | 8540RR | V | PL | | IB | | | | | | | | | Y | | 7.0 |
| MIDLAND | 8570RR | V | PL | | IB | | | | | | | | | Y | | 6.9 |
| MIDLAND | X362 | IV | B | W | BR | T | BR | S | S | S | | RPS1a | 6.0 | N | | 7.7 |
| MIDLAND | X400RR | IV | PL | | BL | T | T | S | S | S | | RPS1a | 1.2 | Y | | 6.4 |
| MIDLAND | 8422RR | IV | PL | P/W | BL | T | T | S | R | S | | RPS1k | 1.2 | Y | | 7.0 |
| MIDLAND | X450NSTS | IV | PL | W | BL | T | BR | S | R | S | | | | N | Y | 6.3 |
| MISSOURI PREMIUM | MAGELLAN | IV | PL | P | BF | G | T | S | S | S | | S | | N | N | 6.9 |
| MISSOURI PREMIUM | MAVERICK | IV | PL | P | BF | G | BR | S | R | MR | PI88788 | RPS1k | | N | N | 7.3 |
| MISSOURI PREMIUM | MUSTANG | III | PL | W | BF | G | T | S | R | R | PI88788 | S | | N | N | 6.9 |
| MYCOGEN | 5348 | III | PL | P | BL | T | BR | S | R | R | | RPS1k | 8.0 | N | N | 5.8 |
| MYCOGEN | 5383 | III | PL | P | BL | T | BR | S | S | S | | RPS1a | 6.0 | N | N | 6.8 |
| MYCOGEN | 5404 | IV | PL | W | BR | T | BR | S | S | S | | RPS1a | 5.0 | N | N | 6.3 |
| MYCOGEN | 5430 | IV | PL | P | BL | T | T | S | S | S | | RPS1k | 7.0 | N | N | 7.0 |
| MYCOGEN | 5474 | IV | PL | W | BL | T | BR | S | R | MR | PI88788 | | 7.0 | N | N | 7.4 |
| NC+ | 2A96RR | | PL | P | BL | T | BR | S | S | S | | RPS1k | 3.0 | Y | N | 6.2 |
| NC+ | 2A99 | | PL | P | BL | T | BR | S | S | S | | | 3.0 | N | N | 7.0 |
| NC+ | 3A26 | | PL | P | BF | G | BR | S | S | S | | RPS1a | 3.0 | N | N | 6.9 |
| NC+ | 3A66RR | | PL | P | BR | T | BR | S | S | S | | RPS1a | 3.0 | Y | N | 7.2 |
| NC+ | 3A67 | | PL | W | BF | G | BR | S | S | S | | RPS1a | 3.0 | N | N | 6.7 |
| NC+ | 3A87 | | PL | P | BL | T | BT | S | S | S | | RPS1a | 3.0 | N | N | 6.5 |
| NC+ | 4A10 | | PL | P | BR | T | T | S | S | S | | | 2.0 | N | N | 7.1 |
| NC+ | 4A16RR | | PL | P | BL | T | T | S | S | S | | RPS1c | 3.0 | Y | N | 6.9 |
| NC+ | 4A47 | | PL | P | BF | G | BR | S | S | S | | | 3.0 | N | N | 7.1 |
| NC+ | 5A44 | | PL | P | IB | G | T | S | R | R | PI88788 | | 3.0 | N | N | 7.0 |
| NC+ | 5A45RR | | PL | P | IB | G | T | S | R | R | | | 3.0 | Y | N | 6.6 |
| NK | 3474 | IV | PL | P | BL | T | BR | S | S | S | | S | 3.0 | N | N | 7.5 |
| NK | 3505 | V | PL | W | BL | T | T | S | R | S | | S | 1.0 | N | N | 7.3 |
| NK | S30-K3 | III | PL | P | BL | T | BR | S | S | S | | RPS1k | 5.0 | Y | N | 6.0 |
| NK | S33-P2 | III | PL | W | BR | T | BR | S | S | S | | S | 4.0 | N | N | 6.8 |
| NK | S35-F5 | III | PL | P | BR | T | T | S | S | S | | S | 4.0 | Y | N | 6.4 |

(CONTINUED)

TABLE 24. DESCRIPTION OF ENTRIES IN 1998 SOYBEAN PERFORMANCE TEST. * (CONTINUED)

| BRAND | NAME | MG | VT | FC | HI | PU | PD | SCN | | | PHYTO | | RR | STS | IRON | |
|---------|---------|-----|----|----|----|----|----|-----|----|-----|--------|---------|-----|-----|------|-----|
| | | | | | | | | R1 | R3 | R14 | SOURCE | RR | | | | TOL |
| NK | S38-L5 | III | PL | W | BR | T | BR | S | S | S | | S | 4.0 | N | N | 5.6 |
| NK | S39-D9 | III | PL | P | BL | T | T | S | S | S | | RPS1c | 4.0 | Y | N | 7.0 |
| NK | S42-K2 | IV | PL | P | BR | T | T | S | S | S | | S | 4.0 | Y | N | 7.6 |
| NK | S42-M1 | IV | PL | W | BL | T | T | S | R | MR | | S | | Y | | 7.4 |
| NK | S43-B5 | IV | PL | W | BR | T | T | S | S | S | | RPS1c | 3.0 | N | N | 6.7 |
| NK | S46-W8 | IV | PL | P | BL | T | T | S | R | MR | | RPS1c | 4.0 | Y | N | 7.4 |
| NK | S51-T1 | V | PL | W | BF | G | T | S | R | S | | S | | Y | N | 7.2 |
| NK | S57-11 | V | PL | P | BL | T | BR | S | R | MR | | RPS1c | 2.0 | N | N | 6.0 |
| PIONEER | 9294 | III | PL | P | BL | T | BR | S | S | S | | | 4 | Y | N | 7.5 |
| PIONEER | 9352 | III | PL | W | BR | T | BR | S | S | S | | | 4.0 | N | N | 5.5 |
| PIONEER | 9395 | III | PL | W | BL | T | T | S | S | S | | | 4.0 | N | N | 5.9 |
| PIONEER | 9396 | III | PL | W | BL | T | T | S | S | S | | | 5.0 | Y | N | 7.3 |
| PIONEER | 93B34 | III | PL | P | BL | T | BR | S | S | S | | RPS1k | 2.0 | Y | N | 7.0 |
| PIONEER | 93B41 | III | PL | W | BL | T | T | S | S | S | | RPS1k | 2.0 | N | N | 7.5 |
| PIONEER | 93B51 | III | PL | W | BL | T | T | S | S | S | | | 4.0 | Y | N | 6.4 |
| PIONEER | 93B53 | III | PL | P | BL | T | BR | S | S | S | | RPS1k | 4.0 | Y | N | 6.2 |
| PIONEER | 93B71 | III | PL | W | BR | T | BR | S | S | S | | | | Y | N | 6.7 |
| PIONEER | 93B82 | III | PL | P | BL | T | BR | S | S | S | | RPS1k | 3.0 | N | N | 6.3 |
| PIONEER | 9412 | IV | PL | P | BL | T | T | S | S | S | | | 4.0 | N | N | 6.8 |
| PIONEER | 9421 | IV | PL | W | BL | T | T | S | S | S | | | 2.0 | N | Y | 4.2 |
| PIONEER | 9492 | IV | PL | W | BL | T | T | S | R | R | | | 5.0 | Y | N | 7.4 |
| PIONEER | 94B01 | IV | PL | W | BL | T | T | S | S | S | | | 4.0 | Y | N | 7.2 |
| PIONEER | 94B41 | IV | PL | W | BF | G | T | S | R | R | | RPS1c | 2.0 | Y | N | 6.9 |
| PIONEER | 95B33 | V | PL | P | IB | G | T | R | R | S | | | 4.0 | N | N | 5.8 |
| RENZE | R3097 | III | PL | P | BL | T | BR | S | S | S | | | 4.0 | N | N | 7.0 |
| RENZE | R3209RR | III | PL | W | BR | T | T | S | S | S | | | 4.0 | Y | N | 7.6 |
| RENZE | R3297 | III | PL | P | IB | G | BR | S | S | S | | RPS1a | 4.0 | N | N | 7.5 |
| RENZE | R356RR | IV | PL | P | BR | T | BR | S | S | S | | RPS1a | 5.0 | Y | N | 7.7 |
| RENZE | R3599 | IV | PL | P | BL | T | BR | S | S | S | | RPS1a | 5.0 | N | N | 7.0 |
| STINE | 3171-1 | III | PL | P | BF | G | BR | S | S | S | | S | | N | N | 7.3 |
| STINE | 3264 | III | PL | | | | | S | S | S | | S | | Y | N | 7.5 |
| STINE | 3290 | III | PL | P | BL | T | BR | S | S | S | | | | N | N | 7.2 |
| STINE | 3293-4 | III | PL | M | BL | T | T | S | S | S | | RPS1k | | Y | | 7.4 |
| STINE | 3398-8 | III | PL | P | BR | T | BR | S | S | S | | H,RPS1a | | N | N | 6.4 |
| STINE | 3490-4 | III | PL | W | BR | T | T | S | S | S | | S | | Y | N | 7.3 |
| STINE | 3581 | III | PL | P | BL | T | BR | S | S | S | | RPS1a | | N | N | 4.9 |
| STINE | 3690-0 | III | PL | P | BR | T | BR | S | S | S | | S | | N | N | 6.8 |
| STINE | 3792-4 | III | PL | | | | | S | R | MR | | | | Y | | 6.5 |
| STINE | 3870-0 | III | PL | W | BL | T | BR | S | S | S | | RPS1a | | N | N | 7.0 |
| STINE | 3990-0 | III | PL | P | BL | T | BR | S | S | S | | RPS1a | | N | N | 7.1 |
| STINE | 4199-2 | IV | PL | W | BL | T | T | S | R | R | | S | | N | N | 6.5 |
| STINE | 4492-4 | IV | PL | | | | | S | R | MR | | | | Y | N | 6.1 |
| STINE | 4562-2 | IV | PL | P | G | T | T | S | S | S | | RPS3 | | N | N | 7.6 |
| STINE | 4790 | IV | PL | P | BR | T | BR | S | S | S | | S | | N | N | 7.0 |
| STINE | X3506 | III | PL | P | BR | T | BR | S | S | S | | S | | N | N | 7.1 |
| TAYLOR | 370RR | III | PL | | | | | S | S | S | | RPS1a | 1.8 | Y | N | 7.1 |
| TAYLOR | 396 | III | PL | | | T | | S | S | S | | RPS1a | 2.0 | N | N | 7.0 |
| TAYLOR | 415RR | IV | PL | | | | | S | S | S | | | 2.0 | Y | N | 6.1 |
| TAYLOR | 450RR | IV | PL | | | | | S | S | S | | | 2.0 | Y | N | 6.9 |
| TAYLOR | 454 | IV | PL | | | T | | S | S | S | | | 2.0 | N | N | 7.2 |
| TERRA | E394 | III | PL | W | BR | T | T | S | S | S | | RPS3 | 4.0 | N | N | 7.1 |
| TERRA | E4280RR | IV | PL | W | BL | T | BR | S | S | S | | | 3.0 | Y | N | 6.8 |
| TERRA | E438 | IV | PL | W | BL | T | T | S | R | R | | | 4.0 | N | N | 7.0 |

(CONTINUED)

TABLE 24. DESCRIPTION OF ENTRIES IN 1998 SOYBEAN PERFORMANCE TEST. * (CONTINUED)

| BRAND | NAME | MG | VT | FC | HI | PU | PD | SCN | | | SOURCE | PHYTO | | RR | STS | IRON | |
|-----------|---------------|-----|----|----|----|----|----|-----|----|-----|--------|-------|-----|----|-----|----------|-----|
| | | | | | | | | R1 | R3 | R14 | | RR | TOL | | | | |
| TERRA | E4680RR | IV | PL | W | BL | T | BR | S | S | S | | | 4.0 | Y | N | 5.6 | |
| TERRA | TS364T(E364T) | III | PL | W | BR | TW | BR | S | S | S | | RPS1a | 4.0 | N | N | 7.0 | |
| TERRA | TS387 | III | PL | P | BL | TW | BR | S | S | S | | RPS1a | 4.0 | N | N | 6.8 | |
| TERRA | TS415 | IV | PL | M | M | TW | BR | S | S | S | | RPS1a | 4.0 | N | N | 7.9 | |
| TERRA | TS466RR | IV | PL | W | BL | T | T | S | R | MR | | | 3.0 | Y | N | 7.1 | |
| TERRA | TS474 | IV | PL | P | BL | TW | BR | S | S | S | | | 3.0 | N | N | 7.1 | |
| TERRA | TS4792 | IV | PL | P | BL | BR | T | S | R | R | | | 3 | N | N | 6.0 | |
| TERRA | TS504 | V | PL | W | BL | T | T | S | R | S | | | 2.0 | N | N | 6.2 | |
| TERRA | TS556RR | V | PL | P | IB | G | T | S | S | R | | | 3 | Y | N | 6.7 | |
| TRIUMPH | TR3939RR | III | PL | P | BL | T | BR | S | R | S | | | 3 | Y | N | 7.1 | |
| TRIUMPH | TR4339RR | IV | PL | M | BL | T | T | S | R | S | | RPS1k | 1.8 | Y | N | 5.9 | |
| TRIUMPH | TR5409RR | V | PL | P | BF | G | T | S | MR | R | | | 3 | Y | N | 7.4 | |
| WILLCROSS | 9378STS | IV | PL | W | BR | T | BR | S | S | S | | | | N | Y | 7.0 | |
| WILLCROSS | 9447 | V | PL | P | BL | T | BR | S | S | S | | | | N | N | 7.4 | |
| WILLCROSS | 9449NSTS | IV | PL | P | BL | T | BR | S | S | S | | | | N | Y | 6.6 | |
| WILLCROSS | 9640 | IV | PL | M | M | T | BR | S | S | S | | RPS1a | 4.0 | N | N | 6.6 | |
| WILLCROSS | 9738 | IV | PL | P | BL | T | BR | S | S | S | | RPS1a | 4.0 | N | N | 6.9 | |
| WILLCROSS | 9841 | IV | PL | W | BR | T | BR | S | S | S | | | | N | N | 6.8 | |
| WILLCROSS | RR2309 | III | PL | P | BL | T | BR | S | S | S | | RPS1k | 2.0 | Y | N | 6.1 | |
| WILLCROSS | RR2338 | III | PL | P | BL | T | T | S | S | S | | RPS1k | | Y | N | 6.5 | |
| WILLCROSS | RR2357 | IV | PL | P | BR | T | BR | S | S | S | | RPS1a | 5.0 | Y | N | 7.3 | |
| WILLCROSS | RR2368 | IV | PL | P | BL | T | T | S | S | S | | RPS1k | | Y | N | 6.7 | |
| WILLCROSS | RR2397 | IV | PL | P | BL | T | T | S | S | S | | RPS1c | | Y | N | 7.4 | |
| WILLCROSS | RR2448 | IV | PL | W | BF | G | T | S | S | S | | | | Y | N | 6.1 | |
| WILLCROSS | RR2449N | IV | PL | P | BL | T | T | S | R | MR | | RPS1a | | Y | N | 6.5 | |
| WILLCROSS | RR2467N | V | PL | W | BL | G | T | S | R | MR | | | 4.0 | Y | N | 7.0 | |
| WILLCROSS | RR2517N | V | PL | P | BL | G | T | S | MR | R | | | 2.0 | Y | | 6.8 | |
| WILSON | 3380 | III | PL | W | BF | G | T | S | S | S | | | 2.5 | N | N | 6.3 | |
| WILSON | E8362 | III | PL | P | BL | T | BR | S | S | S | | RPS1a | 2.0 | N | N | 7.2 | |
| | | | | | | | | | | | | | | | | LSD (.1) | 0.7 |
| | | | | | | | | | | | | | | | | CV(%) | 8.8 |

* MG = MATURITY GROUP; VT = VARIETY TYPE, PL = PURE LINE, B = BLEND; FC = FLOWER COLOR; P = PURPLE; W = WHITE, M = MIXED; HI= HILUM COLOR; BL=BLACK; IB=IMPERFECT BLACK; BR = BROWN; BF = BUFF; G = GREY; Y = YELLOW, M = MIXED; PU = PUBESCENCE COLOR; T = TAWNY; BR = BROWN; G = GREY; PD = POD COLOR; BR= BROWN; T= TAN; SCN = SOYBEAN CYST NEMATODE; R1, R3, AND R14 = RACE 1, 3, AND 14, RESPECTIVELY; S = SUSCEPTIBLE, R = RESISTANT; MR = MODERATELY RESISTANT; PHYTO = PHYTOPHTHORA ROOT ROT; RR = RACE RESISTANT; RPS1a-etc, INDICATE MAJOR GENES FOR RESISTANCE, H= HETEROGENEOUS; TOL = FIELD TOLERANCE SCORE WITH 1 = EXCELLENT TO 9 = POOR; RR= ROUNDUP-RESISTANT, Y= ROUNDUP-RESISTANT VARIETY, N= NOT A ROUNDUP-RESISTANT VARIETY; STS= SULFONYLUREA TOLERANCE, Y= TOLERANT TO SULFONYL HERBICIDES, N= NOT TOLERANT TO SULFONYLUREA HERBICIDES, IRON= IRON CHLOROSIS SCORE, 1= NO CHLOROSIS TO 9= SEVERE CHLOROSIS. ALL INFORMATION EXCEPT CHLOROSIS SCORES SUPPLIED BY ENTRANT.

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