

VIRGINIA SOYBEAN PERFORMANCE TESTS 2009

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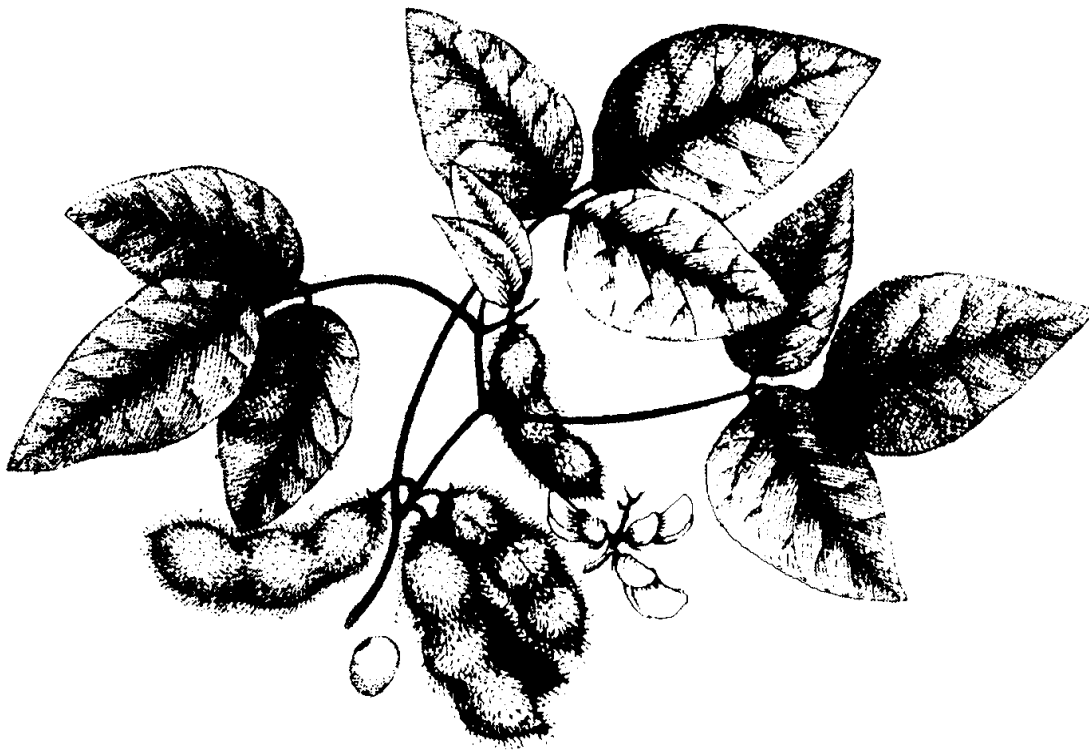
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Seed Companies and Universities

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| Southern States Cooperative | Stine Seed Company |
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| Trisler Seeds, Inc. | UniSouth Genetics, Inc. |
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INTRODUCTION

The purpose of this publication is to provide performance data of the many soybean varieties offered for sale in Virginia. These data should be of benefit to producers and agribusinesses in making selections of varieties for their use. It is realized that not all varieties that are offered for sale in Virginia are included in these tests. There is no implication that varieties not included are inferior in any way, but only that they have not been tested.

MATERIALS AND METHODS

Soybean varieties were entered by commercial seed companies, universities, and crop improvement associations. Performance tests were conducted under full-season (May-planted) and/or double-cropping (late-June to early-July) systems in the Northern Piedmont (Orange Co.), Southern Piedmont (Blackstone, Mecklenburg), Northern Coastal Plain (Warsaw), Southern Coastal Plain (Suffolk), and Eastern Shore (Painter) regions of Virginia. All double-crop tests were no-till planted following small grain harvest or at a comparable timing following application of herbicide during the small grain heading stage.

Recommended cultural practices were used and data were collected from a uniform set of instructions. Details of cultural practices used and soil types are listed on Table 1. Fertilizer was applied according to Virginia Tech soil test recommendations. A fungicide seed treatment was used on all seed. Seeding rates were the equivalent to 165,000 seed per acre in full-season tests and 220,000 seed per acre in double-crop tests. All tests were maintained weed free with preemergence and/or postemergence herbicides and hand weeding. Insecticides were applied if insect pests approach economic thresholds. Fungicides were applied if disease was present and conditions were favorable for further disease progress. Tests were harvested as near to the date of first harvest maturity as work schedules and weather would permit. Plots were end-trimmed to prevent alley effects. The interior rows of all plots were harvested with a small-plot combine equipped with weigh scales, moisture meter, and on-board computer. A small seed sample was collected from each plot and was used to further evaluate seed characteristics. Data were collected using the following methods:

Maturity was taken at the date when 95% of the pods turned brown (R8).

Lodging notes was visually estimated using a 1 to 5 scale according to the following criteria:

- 1.0 - almost all plants erect
- 2.0 - either all plants leaning slightly, or a few plants down
- 3.0 - either all plants leaning moderately (45° angle), or 25 to 50% down
- 4.0 - either all plants leaning considerably, or 50 to 80% down
- 5.0 - all plants down

Plant Height was determined by measuring and averaging 3 to 5 randomly-chosen plants. Height was measured from the ground to the uppermost main-stem node of the plant at maturity.

Purple Seed Stain (PSS) is the percentage of seed from a 100-seed sample that are affected with that disease. PSS was not measured unless most samples exceeded 5% stain, however heavily stained seed samples were noted (data not shown).

Seed Quality (SQ) ratings are a good representation of *Phomopsis* seed decay. The following scale was used:

1.0 = very good; 2.0 = good; 3.0 = fair; 4.0 = poor; 5.0 = very poor.

Seed Size (SS) was obtained if time allowed or certain conditions would have greatly affected this yield component. Seed size was obtained from the weight of a 100-seed sample then converted to number of seed per pound.

Yield (bu/acre) was measured as pounds per plot, adjusted to 13% moisture, then converted to bushels per acre. A bushel weight of 60 pounds (at 13% moisture) was used to determine yield.

The experimental design was a randomized complete block design with three replications per site. Due to the number of entries, it was necessary to separate the varieties by maturity in all locations. To facilitate field operations and to allow for more accurate comparison, maturity group IV varieties were separated into early (RMG 4.0-4.6) and late (RMG 4.7-4.9) tests. Data were subjected to analysis of variance and means were separated with Fisher's Protected LSD test ($p = 0.10$).

INTERPRETING THE RESULTS

Pages 7 through 13 contain yield summaries over all sites. Past analysis of test data indicated that variety selection should be made from multiple years and sites. More sites result in more reliable information. However, average yields over sites should not be used to select the highest yielding variety unless all varieties are tested in all sites because data will be skewed to those varieties that are tested in the highest yielding sites. When all varieties are not tested in all sites, relative yield may be a better method of comparing varieties over sites. Relative yield is calculated by dividing the yield of a variety by the average yield of all varieties within the same maturity group at that site. A variety with a relative yield of 105 would be 5% above the average of all varieties at that site. Relative yield is not an actual yield, but a value that is relative to all other yield values at that site. Varieties are ranked by relative yield in descending order.

The remaining pages contain detailed yield and other information from each site. The highest average yielding varieties are listed first in each table. It is not statistically correct to compare varieties from different maturity groups. However, it is recommended that producers select two to three of the highest yielding varieties from each maturity group adapted to his region in order to spread out harvesting time and yield risks associated with timing of summer rainfall patterns. Because of year-to-year variability in variety performance, it is suggested that data for varieties with less than six site-years be considered preliminary. The average performance of a variety over multiple environments is more reliable than its performance in one test. Multiple-year data can be obtained from the authors. Other traits shown in the tables are: maturity, lodging, height, seed quality, purple stain, and seed size. After examining these results, the producer may want to plant limited quantities of several new better performing varieties to observe how they perform on his farm and under his management conditions.

Within maturity groups at each location, LSD (least significant difference) was calculated at the 10% probability level. The LSD is a statistical test to assist the reader in comparing the yield differences among varieties within a particular maturity group. When two entries are compared and the difference between them is greater than the calculated LSD value, the varieties are considered to be significantly different. The "NS" designation indicates that there were no significant differences for yield among the varieties within that maturity group. The coefficient of variation (CV) is a relative measure of variation and is an indicator of the degree of precision associated with the test. For soybean variety evaluation tests, CV values less than 15% indicates that the precision of the test was good in distinguishing differences between varieties.

| Site | Cropping System | Soil Type | Plant Date | Tillage System | Herbicide | Insecticide | Fungicide | Row Width (in) | No. Rows Planted | No. Rows Harvested | Harvest Length |
|-------------|--------------------|----------------------------|------------|----------------|--------------------------------------|-------------|-----------|----------------|------------------|--------------------|----------------|
| Blackstone | Full-Season | Appling, coarse sandy loam | 5-21 | Conv | Dual Magnum, Spartan, Sencor, Blazer | | | 15 | 5 | 3 | 17 |
| Mecklenburg | Double-Crop | Appling, fine sandy loam | 6-26 | No-Till | Scepter, Blazer | | | 15 | 5 | 3 | 17 |
| Orange | Double-Crop Barley | Davidson, clay loam | 6-16 | No-Till | Gly 4, First Rate | | | 15 | 5 | 3 | 17 |
| Orange | Double-Crop Wheat | Davidson, clay loam | 6-25 | No-Till | Gly 4 | Karate | Headline | 15 | 5 | 3 | 17 |
| Painter | Full-Season | Bojac, loamy sand | 5-26 | Conv | Dual Magnum, Sencor | | | 15 | 5 | 3 | 17 |
| Painter | Double-Crop | Bojac, loamy sand | 7-2 | No-Till | Dual Magnum, Sencor | | | 15 | 5 | 3 | 17 |
| Suffolk | Full-Season | Dragston, sandy loam | 5-19 | Conv | Dual Magnum, Spartan, Blazer, Select | Baythroid | Headline | 15 | 5 | 3 | 17 |
| Suffolk | Double-Crop | Dragston, sandy loam | 6-24 | No-Till | Dual Magnum, Spartan, | Baythroid | Headline | 15 | 5 | 3 | 17 |
| Warsaw | Full-Season | Kempsville, loam | 5-19 | Conv | Dual Magnum, Python, Pursuit | | | 30 | 4 | 2 | 12 |
| Warsaw | Double-Crop | Kempsville, loam | 6-23 | No-Till | Dual Magnum, Fusilade DX | | | 7.5 | 5 | 5 | 17 |

MONTHLY PRECIPITATION (INCHES) AND AVERAGE RAINFALL
MAY - OCTOBER

| Location | | May | June | July | Aug. | Sept. | Oct. | Total |
|-------------------|-------------|------------|-------------|-------------|-------------|--------------|-------------|--------------|
| Blackstone | 2008 | 4.55 | 6.84 | 3.92 | 1.60 | 5.61 | 3.38 | 26.9 |
| | 58-yr Avg. | 3.84 | 4.04 | 4.76 | 4.05 | 3.89 | 3.38 | 23.96 |
| Orange | 2009 | 8.05 | 7.56 | 3.03 | 2.59 | 3.15 | 3.50 | 27.88 |
| | 68-yr. Avg. | 3.84 | 3.80 | 4.50 | 3.86 | 3.81 | 3.49 | 23.30 |
| Painter | 2009 | 3.62 | 7.66 | 4.93 | 4.10 | 5.56 | 3.26 | 29.13 |
| | 69-yr Avg. | 3.41 | 3.66 | 4.64 | 4.23 | 3.66 | 3.49 | 23.09 |
| Suffolk | 2009 | 4.60 | 3.40 | 4.86 | 3.38 | 7.69 | 1.72 | 25.65 |
| | 75-yr. Avg. | 3.92 | 4.21 | 5.67 | 5.60 | 3.71 | 3.42 | 26.53 |
| Warsaw | 2009 | 3.89 | 5.16 | 3.85 | 9.26 | 3.03 | 5.58 | 30.77 |
| | 42-yr Avg. | 4.27 | 3.90 | 4.16 | 4.28 | 4.34 | 3.35 | 24.30 |

SUPPLIERS OF SOYBEAN VARIETIES TESTED

| SUPPLIER | BRAND | VARIETY |
|--|--------------------|---|
| Crop Production Services 443 Allenby Dr. Marysville, OH 43040 | Dyna-Gro | 31R54,32A53,32P48,33X55,36C44,37A44,37P37,SX09448, V49N6RR |
| Featherstone Farm 13941 Genito Rd. Amelia, VA 23002 | Delta King | DK4770,DK4968 |
| Mid-Atlantic Seeds 204St, Charles Way #163 York, PA 17402 | Mid-Atlantic Seeds | MA3299RR/STS,MA3566RRII,MA3781NRR MA3877RR,MA3955RR,MA4077RR/STS, MA4100RRII,MA4399RR/STS, MA4666NRR,MA5200RR |
| Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167 | Asgrow | AG4005,AG4303,AG4605,AG4606 AG4903,AG4907,AG5503,AG5605, AG5606,AG5905,DP5915RR |
| Pioneer Hi-Bred International Inc. 700 Boulevard South, Suite302 Huntsville, AL 35802 | Pioneer | 94Y41,94Y70,95Y70 |
| Progeny Ag Products 1529 Hwy. 193 South Wynne, AR 72396 | Progeny | P4206RR,P4408RR,P4508RR,P4606RR, P4706RR,P4807RR,P4906RR,P4908RR, P4949RR,P5115RR,P5218RR,P5309RR, P5319RR,P5409RR,P5622RR,P5650RR, P5706RR |
| Southern States Coop P.O. Box 26234 Richmond, VA 23260 | Southern States | 3820NR2,LL430N,LL450N,LL499N, LL511N,RT3871N,RT3971N,RT4370N, RT4451N,RT4470N,RT4777N, RT4808N-STS, RT4996N,RT5160N,RT5450N,RT5451N, RT5471N,RT5760N |
| Stine Seed Company 2225 Laredo Trial Adel, IA 50003 | Stine | 44LA32,58LA02 |
| Syngenta Seeds, Inc. RR2 Box 12 Wyoming, IL 61491 | NK | S39-A3,S43-N6,S44-D5,S47-D9,S48-C9,S51-T8 |

| SUPPLIER | BRAND | VARIETY |
|---|-----------------------|--|
| T.A. Seeds P.O. Box 300 Avis, PA 17721 | T.A. Seeds | TS3989RS,TS4299RS,TS4319R2,TS4499R |
| Trisler Seeds, Inc. 3274E 800 North Rd. Fairmount, IL. 61841 | Trisoy | 3895RR(CN),38ZOR2,40ZOR2,4184RR(CN), 4275RR(CN),4586RR(CN)4788RR(CN),4984RR(CN), 5484RR(CN),5894RR(CN) |
| UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211 | USG | 73F59,73H77,7384nRS,74A27,74A39,74A45,74B58,74A69, 74A79,74C78,74A88,74E88,7495nRS,74F96,74G99,74T98, 74A91,7515,75M16,75J32,75Z38,7553nRS,ALLEN,5601T, 75Z98 |
| University of Arkansas 115 PTSC Bldg Fayetteville, AR 72701 | Public | UA4805,R04-357,OZARK,OSAGE |
| University of Tennessee 2431 Joe Johnson Dr. Knoxville, TN 37996- 4561 | Public | |
| Virginia Tech 509 Latham Hall Blacksburg, VA 24061 | Public | B04-7743,V02-8659,V03-3650,V03-4660,V03-4705, V04-0867,V04-1022,GLENN |

Virginia Soybean Performance Tests 2009

| MG | Cropping | | Variety | Herb Resist | ORG-W* | PTR | SUF | WAR | Average | Avg Rel Yield |
|----------------|----------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| | E/L | System | | | | | | | | |
| III | FS | USG | 73H77 | RR/STS | | 65.8 | 32.0 | 45.1 | 47.6 | 113 |
| III | FS | Virginia | V02-8659 | CONV | 57.8 | 55.2 | 30.2 | 48.9 | 48.0 | 111 |
| III | FS | Mid-Atlantic | MA3877RR | RR | 42.1 | | 31.5 | 51.7 | 41.8 | 109 |
| III | FS | T.A.Seed | TS3989RS | RR/STS | 48.8 | 58.6 | | 55.2 | 54.2 | 109 |
| III | FS | NK | S39-A3 | RR | 65.2 | 50.0 | 30.9 | 39.7 | 46.4 | 108 |
| III | FS | USG | 73F59 | RR2Y | | 65.9 | 28.6 | 44.3 | 46.3 | 108 |
| III | FS | S.States | RT3971N | RR | 53.2 | | 27.0 | 43.6 | 41.3 | 105 |
| III | FS | Trisoy | 38Z0R2 | RR2Y | | 64.7 | 21.6 | 52.1 | 46.2 | 104 |
| III | FS | Mid-Atlantic | MA3955RR | RR | 51.7 | | 24.2 | 44.1 | 40.0 | 101 |
| III | FS | S.States | 3820NR2 | RR2Y | 41.7 | 60.0 | 25.0 | 44.8 | 42.9 | 97 |
| III | FS | S.States | RT3871N | RR | 51.4 | | 21.0 | 45.0 | 39.1 | 97 |
| III | FS | Mid-Atlantic | MA3566RRII | RR | 38.5 | | 27.0 | 44.9 | 36.8 | 96 |
| III | FS | Virginia | V04-7743 | CONV | 49.4 | 50.1 | 24.2 | 43.0 | 41.7 | 95 |
| III | FS | Dyna-Gro | 37P37 | RR | 42.8 | 60.5 | 23.3 | 40.4 | 41.8 | 94 |
| III | FS | Mid-Atlantic | MA3781NRR | RR | 36.0 | | 25.4 | 47.1 | 36.2 | 94 |
| III | FS | Mid-Atlantic | MA3299RR/STS | RR/STS | 40.8 | | 23.8 | 37.8 | 34.1 | 88 |
| III | FS | USG | 7384nRS | RR/STS | | 54.6 | 20.8 | 38.8 | 38.1 | 87 |
| III | FS | Trisoy | 3895RR(CN) | RR | | 59.5 | 18.5 | 36.9 | 38.3 | 86 |
| Average | | | | | 47.6 | 58.6 | 25.6 | 44.6 | 42.3 | 100 |

*ORG-W was to be planted in May at the Northern Piedmont AREC, but wet soil conditions prevented timely planting. Therefore, it was planted at another location after wheat harvest.

Virginia Soybean Performance Tests 2009

| MG | E/L | Cropping | | Herb Resist | BLK | PTR | SUF | WAR | Average | Avg Rel Yield | |
|----------------|-----|----------|--------------|--------------|--------|-------------|-------------|-------------|-------------|---------------|------------|
| | | System | Brand | | | | | | | | Variety |
| IV | E | FS | Mid-Atlantic | MA4399RR/STS | RR/STS | 25.0 | 69.2 | 53.0 | 58.9 | 51.5 | 111 |
| IV | E | FS | USG | 74B58 | RR/STS | 23.8 | 71.7 | 52.5 | 58.4 | 51.6 | 110 |
| IV | E | FS | Trisoy | 40Z0R2 | RR2Y | | 70.0 | | 53.2 | 61.6 | 109 |
| IV | E | FS | S.States | RT4370N | RR | 25.8 | | 44.5 | 62.0 | 44.1 | 108 |
| IV | E | FS | S.States | LL430N | LL | 32.3 | 64.9 | 39.4 | 57.9 | 48.6 | 108 |
| IV | E | FS | USG | 74A69 | RR2Y | | 68.8 | 55.3 | 43.7 | 56.0 | 107 |
| IV | E | FS | Trisoy | 4586RR(CN) | RR/STS | | 69.8 | 58.4 | 38.4 | 55.5 | 106 |
| IV | E | FS | NK | S44-D5 | RR | 27.9 | 69.8 | 48.8 | 47.7 | 48.6 | 106 |
| IV | E | FS | Asgrow | AG4605 | RR/STS | | 63.5 | | 55.0 | 59.2 | 105 |
| IV | E | FS | USG | 74A39 | RR2Y | | 59.8 | 47.1 | 56.8 | 54.6 | 105 |
| IV | E | FS | T.A.Seed | TS4319R2 | RR | | 66.6 | | 50.9 | 58.7 | 104 |
| IV | E | FS | Progeny | P4606RR | RR/STS | 28.1 | 60.2 | 47.0 | 52.1 | 46.9 | 103 |
| IV | E | FS | Dyna-Gro | 37A44 | RR | | 63.1 | 45.6 | 53.2 | 54.0 | 103 |
| IV | E | FS | S.States | RT4470N-STS | RR/STS | 29.4 | 61.6 | 47.6 | 47.4 | 46.5 | 103 |
| IV | E | FS | T.A.Seed | TS4499R | RR | | 60.9 | 48.0 | 51.7 | 53.5 | 103 |
| IV | E | FS | Trisoy | 4184RR(CN) | RR/STS | | 62.5 | 49.2 | 48.9 | 53.6 | 103 |
| IV | E | FS | Asgrow | AG4303 | RR/STS | 29.8 | 67.6 | 39.3 | 47.0 | 45.9 | 101 |
| IV | E | FS | Mid-Atlantic | MA4666NRR | RR | | | 47.8 | 47.4 | 47.6 | 101 |
| IV | E | FS | Dyna-Gro | 36C44 | RR/STS | | 65.8 | 50.9 | 40.8 | 52.5 | 100 |
| IV | E | FS | NK | S43-N6 | RR | 28.3 | | 42.8 | 46.6 | 39.3 | 100 |
| IV | E | FS | Asgrow | AG4606 | RR/STS | | 62.4 | | 49.5 | 56.0 | 99 |
| IV | E | FS | S.States | LL450N | LL | 24.3 | 56.8 | 45.3 | 53.6 | 45.0 | 98 |
| IV | E | FS | Progeny | P4508RR | RR | 24.0 | 63.2 | 42.7 | 51.4 | 45.3 | 98 |
| IV | E | FS | S.States | RT4451N | RR | 26.3 | 63.1 | 41.1 | 46.7 | 44.3 | 97 |
| IV | E | FS | Asgrow | AG4005 | RR | | 61.4 | | 46.7 | 54.1 | 95 |
| IV | E | FS | USG | 74A45 | RR | 26.7 | 67.8 | 32.6 | 48.3 | 43.8 | 95 |
| IV | E | FS | USG | 74A27 | RR/STS | 26.5 | 62.0 | 38.0 | 45.9 | 43.1 | 94 |
| IV | E | FS | Stine | 44LA32 | LL | | 60.7 | 35.4 | 52.5 | 49.5 | 94 |
| IV | E | FS | T.A.Seed | TS4299RS | RR/STS | 22.0 | 60.4 | | 48.9 | 43.8 | 93 |
| IV | E | FS | Progeny | P4206RR | RR | 22.2 | 56.2 | 42.4 | 49.5 | 42.6 | 92 |
| IV | E | FS | Public | Prohio | CONV | 23.8 | 59.4 | | 45.3 | 42.8 | 92 |
| IV | E | FS | Pioneer | 94Y60 | RR | 25.5 | 57.5 | 37.0 | | 40.0 | 91 |
| IV | E | FS | Mid-Atlantic | MA4100RRII | RR | | | 35.0 | 48.7 | 41.8 | 89 |
| IV | E | FS | Trisoy | 4275RR(CN) | RR/STS | | 58.7 | 36.1 | 44.7 | 46.5 | 88 |
| IV | E | FS | Public | Monocacy | CONV | 22.8 | 60.7 | | 39.0 | 40.8 | 87 |
| Average | | | | | | 26.0 | 63.4 | 44.6 | 49.7 | 48.8 | 100 |

Virginia Soybean Performance Tests 2009

| MG | E/L | Cropping System | Brand | Variety | Herb Resist | BLK | ORG-B* | ORG-W* | PTR | SUF | WAR | Average | Avg Rel Yield |
|----------------|-----|-----------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| IV | E | DC | Pioneer | 94Y20 | RR | | 54.3 | | | 68 | 79.9 | 67.5 | 113 |
| IV | E | DC | S.States | RT4470N-STS | RR/STS | 57.6 | 57.2 | 52.9 | 59.4 | 62 | 61.1 | 58.4 | 109 |
| IV | E | DC | Stine | 44LA32 | LL | | | 46.4 | | 66 | 65.9 | 59.5 | 108 |
| IV | E | DC | USG | 74A45 | RR | 55.0 | 59.3 | | 50.7 | 59 | 73.7 | 59.4 | 104 |
| IV | E | DC | Progeny | P4606RR | RR/STS | 57.9 | 56.3 | 40.6 | 57.5 | 56 | 68.5 | 56.1 | 103 |
| IV | E | DC | S.States | LL450N | LL | 60.3 | | | 53.3 | 61 | 61.9 | 59.2 | 102 |
| IV | E | DC | S.States | LL430N | LL | 49.0 | | | 56.0 | 61 | 72.0 | 59.6 | 102 |
| IV | E | DC | T.A.Seed | TS3989RS | RR/STS | | 51.9 | | 60.3 | | 64.7 | 59.0 | 102 |
| IV | E | DC | USG | 74B58 | RR/STS | 50.7 | 62.3 | | 53.8 | 59 | 61.4 | 57.5 | 101 |
| IV | E | DC | Progeny | P4508RR | RR | 51.3 | 49.2 | 40.9 | 58.8 | 51 | 75.5 | 54.5 | 100 |
| IV | E | DC | S.States | RT4451N | RR | 52.9 | 49.3 | 37.3 | 60.4 | 58 | 68.3 | 54.3 | 99 |
| IV | E | DC | T.A.Seed | TS4299RS | RR/STS | | 47.4 | 40.6 | 56.8 | | 64.4 | 52.3 | 97 |
| IV | E | DC | Asgrow | AG4606 | RR/STS | | 44.7 | 40.5 | 54.7 | 62 | | 50.4 | 97 |
| IV | E | DC | Progeny | P4206RR | RR | 47.3 | 44.5 | 36.3 | 57.7 | 57 | 69.0 | 51.9 | 95 |
| IV | E | DC | USG | 74A27 | RR/STS | 45.1 | 57.1 | | 50.8 | 56 | 57.6 | 53.2 | 94 |
| IV | E | DC | S.States | RT4370N | RR | 42.8 | 48.5 | 37.7 | 51.7 | 51 | 55.3 | 47.9 | 88 |
| IV | E | DC | Mid-Atlantic | MA4077RR/STS | RR | | | 47.6 | | | | 47.6 | 116 |
| IV | E | DC | T.A.Seed | TS4319R2 | RR | | | 46.2 | | | | 46.2 | 112 |
| IV | E | DC | Asgrow | AG4303 | RR/STS | | | 43.9 | | | | 43.9 | 107 |
| IV | E | DC | Mid-Atlantic | MA4666NRR | RR | | | 43.1 | | | | 43.1 | 105 |
| IV | E | DC | Asgrow | AG4605 | RR/STS | | | 42.3 | | | | 42.3 | 103 |
| IV | E | DC | Dyna-Gro | 36C44 | RR/STS | | | 41.6 | | | | 41.6 | 101 |
| IV | E | DC | Mid-Atlantic | MA4100RRII | RR | | | 41.4 | | | | 41.4 | 101 |
| IV | E | DC | Dyna-Gro | 37A44 | RR | | | 37.9 | | | | 37.9 | 92 |
| IV | E | DC | Asgrow | AG4005 | RR | | | 37.0 | | | | 37.0 | 90 |
| IV | E | DC | Mid-Atlantic | MA4399RR/STS | RR/STS | | | 34.8 | | | | 34.8 | 84 |
| IV | E | DC | T.A.Seed | TS4499R | RR | | | 31.3 | | | | 31.3 | 76 |
| Average | | | | | | 51.8 | 52.5 | 41.0 | 55.8 | 59.1 | 66.6 | 49.9 | 100 |

*ORG-B was planted in early-June after barley harvest. ORG-W was to be planted in May at the Northern Piedmont AREC, but wet soil conditions prevented timely planting; therefore, it was planted at the same farm as the ORG-B, but after wheat harvest.

Virginia Soybean Performance Tests 2009

| MG | Cropping | | Variety | Herb Resist | BLK | PTR | SUF | WAR | Average | Avg Rel Yield | | |
|----------------|----------|--------|-----------|-------------|--------|-----|-------------|-------------|-------------|---------------|-------------|------------|
| | E/L | System | | | | | | | | | Brand | |
| IV | L | FS | S.States | LL499N | LL | | 32.5 | 74 | 70.2 | 58.9 | 118 | |
| IV | L | FS | USG | 74A79 | RR2Y | | | 78.7 | 57 | 69.6 | 68.5 | 113 |
| IV | L | FS | Pioneer | 94Y80 | RR | | 31.2 | 75.7 | 62 | | 56.2 | 110 |
| IV | L | FS | USG | 74G99 | LL | | | 68.9 | 66 | 64.4 | 66.3 | 109 |
| IV | L | FS | Asgrow | AG4907 | RR | | | 72.6 | 57 | 68.6 | 66.1 | 109 |
| IV | L | FS | USG | 74A91 | RR | | | 60.6 | 71 | 64.2 | 65.2 | 108 |
| IV | L | FS | S.States | RT4996N-ST5 | RR/STS | | 28.2 | | 63 | 68.9 | 53.4 | 106 |
| IV | L | FS | Public | UA4805 | CONV | | 31.4 | 71.6 | 62 | 57.1 | 55.6 | 106 |
| IV | L | FS | Asgrow | AG4903 | RR/STS | | | 64.0 | 65 | 62.0 | 63.6 | 105 |
| IV | L | FS | USG | 74T98 | RR | | 30.1 | 58.5 | 69 | 59.6 | 54.4 | 103 |
| IV | L | FS | Virginia | V03-4660 | CONV | | 27.2 | 64.8 | 64 | 59.7 | 54.0 | 101 |
| IV | L | FS | Progeny | P4606RR | RR/STS | | 26.7 | 64.2 | 65 | 60.7 | 54.1 | 101 |
| IV | L | FS | DeltaKing | DK4968 | RR | | 28.5 | 63.5 | 53 | 68.0 | 53.2 | 100 |
| IV | L | FS | USG | 74G78 | RR/STS | | | 63.1 | 58 | 61.9 | 60.9 | 100 |
| IV | L | FS | Dyna-Gro | V49N6RR | RR | | | 58.8 | 69 | 54.9 | 60.8 | 100 |
| IV | L | FS | S.States | RT4777N | RR | | 26.9 | | 57 | 65.5 | 49.9 | 100 |
| IV | L | FS | S.States | RT4808N-ST5 | RR/STS | | 30.7 | | 64 | 51.0 | 48.5 | 100 |
| IV | L | FS | Progeny | P4908RR | RR | | 27.1 | 64.0 | 63 | 58.3 | 53.0 | 99 |
| IV | L | FS | Progeny | P4807RR | RR | | 29.0 | 64.8 | 62 | 52.7 | 52.0 | 99 |
| IV | L | FS | Progeny | P4949RR | RR | | 27.2 | 58.1 | 59 | 65.3 | 52.3 | 99 |
| IV | L | FS | USG | 74F96 | RR | | | 58.2 | 61 | 59.3 | 59.5 | 98 |
| IV | L | FS | NK | S47-D9 | RR | | 28.9 | 60.5 | 49 | 65.4 | 51.0 | 97 |
| IV | L | FS | Dyna-Gro | SX09448 | RR | | | 57.4 | 59 | 60.2 | 58.8 | 97 |
| IV | L | FS | USG | 7495nRS | RR/STS | | | 61.7 | 62 | 53.1 | 58.8 | 97 |
| IV | L | FS | Progeny | P4706RR | RR | | 29.2 | 66.7 | 54 | 53.6 | 50.9 | 97 |
| IV | L | FS | USG | 74A88 | RR | | 28.3 | 59.7 | 52 | 61.5 | 50.4 | 96 |
| IV | L | FS | Progeny | P4906RR | RR | | 29.0 | 60.3 | 61 | 48.2 | 49.7 | 95 |
| IV | L | FS | NK | S48-C9 | RR | | 29.6 | 57.4 | 60 | 50.0 | 49.3 | 95 |
| IV | L | FS | Dyna-Gro | 32P48 | RR | | | 56.5 | 55 | 60.2 | 57.4 | 95 |
| IV | L | FS | Virginia | V04-0867 | CONV | | 28.0 | 54.9 | 60 | 55.7 | 49.6 | 94 |
| IV | L | FS | Trisoy | 4984RR(CN) | RR | | | 60.2 | 56 | 51.8 | 55.9 | 92 |
| IV | L | FS | USG | 74E88 | RR/STS | | 29.7 | 58.2 | 42 | 51.9 | 45.5 | 88 |
| IV | L | FS | Trisoy | 4788RR(CN) | RR/STS | | | 61.7 | 41 | 55.3 | 52.5 | 86 |
| Average | | | | | | | 29.0 | 62.9 | 59.7 | 59.6 | 55.6 | 100 |

Virginia Soybean Performance Tests 2009

| MG | E/L | Cropping | | Herb Resist | BLK | ORG-B | ORG-W* | PTR | SUF | WAR | Average | Avg Rel | |
|----------------|-----|----------|-----------|-------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| | | System | Brand | | | | | | | | | Variety | Yield |
| IV | L | DC | S.States | LL499N | LL | 62.3 | | 54.3 | 64 | 72.2 | 63.2 | 110 | |
| IV | L | DC | USG | 7495nRS | RR/STS | | 54.8 | 53.7 | 69 | 79.6 | 64.2 | 110 | |
| IV | L | DC | DeltaKing | DK4770 | RR | | 45.7 | 55.4 | 72 | 82.0 | 63.6 | 108 | |
| IV | L | DC | S.States | RT4996N-STS | RR/STS | 52.4 | 46.9 | 47.9 | 56.9 | 64 | 80.2 | 58.1 | 106 |
| IV | L | DC | Progeny | P4706RR | RR | 55.4 | 52.7 | 50.0 | 48.5 | 55 | 84.0 | 57.7 | 105 |
| IV | L | DC | Progeny | P4606RR | RR/STS | 53.8 | 53.9 | 47.3 | 50.5 | 66 | 71.7 | 57.1 | 105 |
| IV | L | DC | USG | 74G78 | RR/STS | 44.9 | 57.1 | | 53.7 | 64 | 74.9 | 58.9 | 105 |
| IV | L | DC | Dyna-Gro | V49N6RR | RR | | 49.0 | 46.2 | 54.1 | 66 | 75.3 | 58.1 | 103 |
| IV | L | DC | Progeny | P4906RR | RR | 51.2 | 47.2 | 49.1 | 48.5 | 65 | 80.5 | 56.9 | 103 |
| IV | L | DC | Pioneer | 94Y70 | RR | | 54.5 | | | 63 | 65.5 | 61.2 | 101 |
| IV | L | DC | Progeny | P4949RR | RR | 47.1 | 49.0 | 52.1 | 50.9 | 63 | 70.0 | 55.3 | 101 |
| IV | L | DC | USG | 74F96 | RR | 48.8 | 48.0 | | 52.3 | 68 | 67.0 | 56.7 | 101 |
| IV | L | DC | S.States | RT4808N-STS | RR/STS | 56.4 | 45.2 | 46.3 | | 60 | 71.9 | 55.9 | 101 |
| IV | L | DC | Asgrow | AG4907 | RR | | 51.2 | 44.9 | 50.2 | 64 | | 52.7 | 100 |
| IV | L | DC | Progeny | P4908RR | RR | 57.1 | 53.3 | 41.5 | 47.8 | 57 | 70.2 | 54.5 | 100 |
| IV | L | DC | DeltaKing | DK4968 | RR | | 46.1 | | 55.0 | 61 | | 54.0 | 100 |
| IV | L | DC | USG | 74A88 | RR | 50.1 | 52.9 | | 44.7 | 69 | 59.2 | 55.2 | 99 |
| IV | L | DC | USG | 74A91 | RR | | 39.9 | | 46.1 | 69 | 78.3 | 58.4 | 99 |
| IV | L | DC | NK | S48-C9 | RR | | 48.5 | | 51.4 | 64 | 64.2 | 57.1 | 98 |
| IV | L | DC | S.States | RT4777N | RR | 47.8 | 47.4 | 49.3 | | 67 | 49.6 | 52.1 | 95 |
| IV | L | DC | Progeny | P4807RR | RR | 50.0 | 43.6 | 43.0 | 55.5 | 53 | 66.1 | 51.8 | 95 |
| IV | L | DC | Dyna-Gro | 32P48 | RR | | 51.4 | 44.3 | 42.2 | 66 | 60.3 | 52.8 | 95 |
| IV | L | DC | Virginia | V03-4660 | CONV | 39.1 | | | 51.7 | 53 | 72.1 | 54.0 | 93 |
| IV | L | DC | USG | 74E88 | RR/STS | 36.9 | 57.3 | | 45.3 | 56 | 59.8 | 51.1 | 91 |
| IV | L | DC | USG | 74T98 | RR | 35.8 | 43.2 | | 45.9 | 58 | 68.2 | 50.1 | 88 |
| IV | L | DC | Virginia | V04-0867 | CONV | 32.7 | | | 43.5 | 57 | 64.0 | 49.3 | 84 |
| Average | | | | | | 48.3 | 49.5 | 46.8 | 50.3 | 62.8 | 70.3 | 56.2 | 100 |

*ORG-B was planted in early-June after barley harvest. ORG-W was to be planted in May at the Northern Piedmont AREC, but wet soil conditions prevented timely

Virginia Soybean Performance Tests 2009

| MG | Cropping | | Variety | Herb Resist | BLK | PTR | SUF | WAR | Average | Avg Rel Yield |
|----------------|----------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| | E/L | System | | | | | | | | |
| V | FS | Progeny | P5706RR | RR | 30.5 | 41.5 | 60 | 75.9 | 52.1 | 113 |
| V | FS | S.States | LL511N | LL | 27.2 | 49.4 | 51 | 76.2 | 51.0 | 110 |
| V | FS | USG | 75Z98 | RR | | 45.8 | 51 | 74.8 | 57.2 | 106 |
| V | FS | Pioneer | 95Y70 | RR/STS | 24.0 | 43.3 | 57 | | 41.4 | 106 |
| V | FS | Virginia | V03-3650 | RR | 24.7 | 46.4 | 54 | 69.1 | 48.5 | 105 |
| V | FS | Trisoy | 5484RR(CN) | RR | | 44.2 | 49 | 76.1 | 56.3 | 104 |
| V | FS | Progeny | P5622RR | RR | 25.0 | 46.6 | 50 | 71.7 | 48.4 | 104 |
| V | FS | S.States | RT5450N-STS | RR/STS | 29.3 | 44.8 | 46 | 67.7 | 47.1 | 104 |
| V | FS | USG | 7553nRS | RR/STS | | 42.6 | 53 | 70.9 | 55.6 | 104 |
| V | FS | Virginia | V04-1022 | CONV | 25.9 | 41.1 | 57 | 66.9 | 47.7 | 104 |
| V | FS | S.States | RT5760N | RR | 26.5 | 42.7 | 52 | 69.7 | 47.7 | 104 |
| V | FS | Asgrow | AG5503 | RR | | 46.6 | 45 | 76.3 | 55.9 | 103 |
| V | FS | Asgrow | AG5606 | RR | | 40.9 | 53 | 72.0 | 55.5 | 103 |
| V | FS | Dyna-Gro | 32A53 | RR | | 43.0 | 52 | 70.6 | 55.1 | 103 |
| V | FS | Public | Osage | CONV | 27.3 | 44.7 | 46 | 70.1 | 47.0 | 102 |
| V | FS | Progeny | P5319RR | RR | 29.2 | 41.3 | 49 | 65.5 | 46.2 | 102 |
| V | FS | USG | 75M16 | RR/STS | 26.9 | 47.5 | 42 | 72.5 | 47.1 | 102 |
| V | FS | USG | 75Z38 | RR | | 44.9 | 45 | 75.5 | 55.1 | 102 |
| V | FS | S.States | RT5160N-STS | RR/STS | 22.1 | 42.0 | 52 | 76.1 | 48.1 | 101 |
| V | FS | Public | Glenn | CONV | 25.4 | 44.8 | 45 | 72.4 | 46.8 | 101 |
| V | FS | Asgrow | AG5905 | RR | | 38.9 | 52 | 73.1 | 54.6 | 101 |
| V | FS | Stine | 58LA02 | LL | 21.5 | 41.7 | 52 | 73.9 | 47.3 | 99 |
| V | FS | Dyna-Gro | 33X55 | RR | | 40.1 | 50 | 70.1 | 53.5 | 99 |
| V | FS | Arkansas | R04-357 | CONV | 25.7 | 39.3 | 47 | 69.7 | 45.4 | 98 |
| V | FS | USG | 5601T | CONV | | 39.3 | 48 | 70.1 | 52.6 | 97 |
| V | FS | Virginia | V03-4705 | CONV | 25.2 | 44.3 | 43 | 66.6 | 44.7 | 97 |
| V | FS | USG | Allen | RR | | 39.4 | 47 | 71.5 | 52.6 | 97 |
| V | FS | Public | Ozark | CONV | 23.1 | 39.1 | 50 | 69.8 | 45.5 | 97 |
| V | FS | S.States | RT5471N-STS | RR/STS | 25.2 | 45.0 | 43 | 64.6 | 44.4 | 97 |
| V | FS | Asgrow | AG5605 | RR/STS | | 36.4 | 46 | 77.8 | 53.3 | 97 |
| V | FS | Progeny | P5650RR | RR | 23.1 | 35.5 | 48 | 78.1 | 46.2 | 97 |
| V | FS | Excel | 8560NNRR | RR | 22.5 | 41.5 | 46 | 68.6 | 44.6 | 95 |
| V | FS | Progeny | P5409RR | RR | 21.0 | 44.1 | 41 | 73.4 | 44.8 | 94 |
| V | FS | USG | 7515nRS | RR/STS | | 46.9 | 36 | 68.3 | 50.5 | 94 |
| V | FS | Trisoy | 5894RR(CN) | RR | | 37.0 | 44 | 73.0 | 51.3 | 94 |
| V | FS | Asgrow | DP5915RR | RR | | 39.7 | 45 | 65.6 | 50.2 | 93 |
| V | FS | Progeny | P5115RR | RR | 19.6 | 36.9 | 51 | 70.6 | 44.5 | 93 |
| V | FS | Mid-Atlantic | MA5200RR | RR | 18.0 | | 48 | 73.4 | 46.5 | 92 |
| V | FS | NK | S51-T8 | RR | 26.1 | 44.8 | 30 | 66.7 | 41.9 | 92 |
| V | FS | Progeny | P5218RR | RR | 23.1 | 37.4 | 43 | 67.4 | 42.7 | 91 |
| Average | | | | | 24.7 | 42.3 | 48.0 | 71.3 | 49.2 | 100 |

Virginia Soybean Performance Tests 2009

| MG | E/L | Cropping System | Brand | Variety | Herb Resist | BLK | ORG-W* | PTR | SUF | WAR | Average | Avg Rel Yield |
|----------------|-----|-----------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| V | DC | Progeny | | P5115RR | RR | 47.4 | 40.0 | 53.1 | 54.6 | 70.3 | 53.1 | 108 |
| V | DC | Public | | Glenn | CONV | 54.3 | | 50.1 | 60.9 | 78.4 | 61.0 | 108 |
| V | DC | Asgrow | | AG5503 | RR | 53.8 | | 51.9 | 59.0 | | 54.9 | 107 |
| V | DC | S.States | | RT5160N-STS | RR/STS | 56.2 | 31.6 | | 52.3 | 80.3 | 55.1 | 107 |
| V | DC | Virginia | | V03-3650 | RR | 58.3 | | 56.5 | 50.2 | 74.8 | 60.0 | 107 |
| V | DC | USG | | 75M16 | RR/STS | 52.5 | | 52.1 | 57.8 | 77.0 | 59.8 | 106 |
| V | DC | USG | | 7553nRS | RR/STS | | | 57.1 | 50.3 | 74.7 | 60.7 | 106 |
| V | DC | Progeny | | P5622RR | RR | 56.5 | 28.4 | 49.8 | 56.1 | 74.8 | 53.1 | 104 |
| V | DC | USG | | 75Z98 | RR | 58.0 | | 49.2 | 55.9 | 68.7 | 58.0 | 104 |
| V | DC | NK | | S51-T8 | RR | | | 46.6 | 56.1 | 75.1 | 59.2 | 103 |
| V | DC | S.States | | LL511N | LL | 62.0 | | 46.2 | 50.8 | 68.4 | 56.9 | 102 |
| V | DC | USG | | Allen | RR | | | 44.3 | 56.7 | 74.5 | 58.5 | 101 |
| V | DC | USG | | 75J32 | RR | | | 41.4 | 59.1 | 74.4 | 58.3 | 101 |
| V | DC | Progeny | | P5409RR | RR | 46.0 | 31.8 | 50.3 | 51.9 | 73.5 | 50.7 | 101 |
| V | DC | Progeny | | P5218RR | RR | 58.0 | 29.4 | 50.3 | 52.9 | 61.7 | 50.5 | 101 |
| V | DC | Virginia | | V03-4705 | CONV | 49.9 | | 48.3 | 52.8 | 76.1 | 56.8 | 101 |
| V | DC | Stine | | 58LA02 | LL | 51.5 | | 47.8 | 54.3 | | 51.2 | 100 |
| V | DC | S.States | | RT5471N-STS | RR/STS | 56.4 | | | 49.4 | 65.1 | 57.0 | 97 |
| V | DC | Dyna-Gro | | 33X55 | RR | | | 48.0 | 48.7 | 70.6 | 55.8 | 97 |
| V | DC | USG | | 75Z38 | RR | 54.0 | | 44.7 | 51.0 | 68.2 | 54.5 | 97 |
| V | DC | Dyna-Gro | | 31R54 | RR/STS | | | 45.4 | 47.4 | 72.2 | 55.0 | 95 |
| V | DC | Pioneer | | 95Y70 | RR/STS | 46.0 | | 46.6 | 53.0 | | 48.5 | 95 |
| V | DC | S.States | | RT5760N | RR | 52.4 | | | 49.7 | 64.5 | 55.5 | 95 |
| V | DC | S.States | | RT5450N-STS | RR/STS | 50.9 | | | 47.5 | 65.0 | 54.5 | 93 |
| V | DC | Virginia | | V04-1022 | CONV | 43.9 | | 43.4 | 52.6 | 69.2 | 52.3 | 93 |
| V | DC | Asgrow | | AG5606 | RR | 52.5 | | 43.5 | 45.9 | | 47.3 | 92 |
| V | DC | Progeny | | P5706RR | RR | 55.1 | 22.5 | 45.9 | 44.7 | 68.1 | 47.3 | 92 |
| V | DC | Progeny | | P5319RR | RR | 47.3 | 25.5 | 47.2 | 44.1 | 68.6 | 46.5 | 91 |
| V | DC | Progeny | | P5650RR | RR | 46.5 | 21.5 | 44.9 | 49.8 | 58.2 | 44.2 | 86 |
| Average | | | | | | 52.6 | 28.8 | 48.2 | 52.3 | 70.9 | 54.3 | 100 |

*ORG-W was to be planted in May at the Northern Piedmont AREC, but wet soil conditions prevented timely planting. Therefore, it was planted at

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging (1-5) | Height (in.) | PSS (%) | SQ (1-5) | SS (seed/lb) | Yield (Bu/A) |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|---------------|--------------|---------|----------|--------------|--------------|
| DC | III | ORG-W | NK | S39-A3 | RR | --- | 1.0 | 33 | 1 | 1.3 | 3214 | 65.2 |
| DC | III | ORG-W | Virginia | V02-8659 | CONV | --- | 1.0 | 33 | 1 | 1.7 | 3199 | 57.8 |
| DC | III | ORG-W | S.States | RT3971N | RR | --- | 1.0 | 31 | 1 | 2.0 | 2885 | 53.2 |
| DC | III | ORG-W | Mid-Atlantic | MA3955RR | RR | --- | 1.0 | 30 | 1 | 1.0 | 3095 | 51.7 |
| DC | III | ORG-W | S.States | RT3871N | RR | --- | 1.0 | 30 | 1 | 1.3 | 3078 | 51.4 |
| DC | III | ORG-W | Virginia | V04-7743 | CONV | --- | 1.0 | 32 | 1 | 1.3 | 3089 | 49.4 |
| DC | III | ORG-W | T.A.Seed | TS3989RS | RR/STS | --- | 1.0 | 33 | 1 | 1.0 | 2864 | 48.8 |
| DC | III | ORG-W | Dyna-Gro | 37P37 | RR | --- | 1.0 | 29 | 1 | 1.3 | 3022 | 42.8 |
| DC | III | ORG-W | Mid-Atlantic | MA3877RR | RR | --- | 1.0 | 39 | 1 | 1.7 | 3206 | 42.1 |
| DC | III | ORG-W | S.States | 3820NR2 | RR2Y | --- | 1.0 | 29 | 1 | 2.0 | 3262 | 41.7 |
| DC | III | ORG-W | Mid-Atlantic | MA3299RR/STS | RR/STS | --- | 1.0 | 29 | 1 | 2.0 | 3303 | 40.8 |
| DC | III | ORG-W | Mid-Atlantic | MA3566RRII | RR | --- | 1.0 | 27 | 1 | 2.0 | 3146 | 38.5 |
| DC | III | ORG-W | Mid-Atlantic | MA3781NRR | RR | --- | 1.0 | 29 | 1 | 1.7 | 2808 | 36.0 |
| | | | | | Average | --- | 1.0 | 31 | 1 | 1.6 | 3090 | 47.6 |
| | | | | | R2 | --- | --- | 0.81 | --- | 0.52 | 0.82 | 0.73 |
| | | | | | CV | --- | --- | 6.7 | --- | 28.0 | 3.3 | 14.1 |
| | | | | | LSD (0.10)* | --- | 0.0 | 3.5 | --- | 0.9 | 165.0 | 11.7 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|----------|------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | III | PTR | USG | 73F59 | RR2Y | --- | 1.0 | 27 | 17 | 2.7 | 2561 | 65.9 |
| FS | III | PTR | USG | 73H77 | RR/STS | --- | 1.3 | 27 | 11 | 2.3 | 2891 | 65.8 |
| FS | III | PTR | Trisoy | 38Z0R2 | RR2Y | --- | 1.2 | 29 | 12 | 2.0 | 3116 | 64.7 |
| FS | III | PTR | Dyna-Gro | 37P37 | RR | --- | 1.2 | 26 | 22 | 2.3 | 2850 | 60.5 |
| FS | III | PTR | S.States | 3820NR2 | RR2Y | --- | 1.0 | 26 | 9 | 2.3 | 3020 | 60.0 |
| FS | III | PTR | Trisoy | 3895RR(CN) | RR | --- | 1.0 | 26 | 16 | 2.3 | 2777 | 59.5 |
| FS | III | PTR | T.A.Seed | TS3989RS | RR/STS | --- | 1.0 | 28 | 22 | 2.0 | 2917 | 58.6 |
| FS | III | PTR | Virginia | V02-8659 | CONV | --- | 1.5 | 31 | 8 | 2.0 | 3304 | 55.2 |
| FS | III | PTR | USG | 7384nRS | RR/STS | --- | 1.0 | 24 | 16 | 2.7 | 3067 | 54.6 |
| FS | III | PTR | Virginia | V04-7743 | CONV | --- | 1.0 | 32 | 29 | 3.0 | 3219 | 50.1 |
| FS | III | PTR | NK | S39-A3 | RR | --- | 1.0 | 27 | 16 | 2.7 | 3074 | 50.0 |
| | | | | | Average | --- | 1.1 | 28 | 16 | 2.4 | 2981 | 58.6 |
| | | | | | R2 | --- | 0.62 | 0.58 | 0.6 | 0.46 | 0.84 | 0.76 |
| | | | | | CV | --- | 17.1 | 9.6 | 58.8 | 19.2 | 4.1 | 9.6 |
| | | | | | LSD (0.10)* | --- | 0.4 | 5.5 | 23.5 | 1.1 | 200.6 | 11.5 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | III | SUF | USG | 73H77 | RR/STS | 21-Sep-09 | 1.0 | 25 | 10 | 4.0 | 2601 | 32.0 |
| FS | III | SUF | Mid-Atlantic | MA3877RR | RR | 21-Sep-09 | 1.0 | 30 | 6 | 2.7 | 2711 | 31.5 |
| FS | III | SUF | NK | S39-A3 | RR | 22-Sep-09 | 1.0 | 23 | 8 | 4.0 | 2615 | 30.9 |
| FS | III | SUF | Virginia | V02-8659 | CONV | 20-Sep-09 | 1.0 | 27 | 10 | 2.7 | 2792 | 30.2 |
| FS | III | SUF | USG | 73F59 | #N/A | 16-Sep-09 | 1.0 | 23 | 6 | 3.3 | 2482 | 28.6 |
| FS | III | SUF | S.States | RT3971N | RR | 19-Sep-09 | 1.0 | 24 | 3 | 2.7 | 2534 | 27.0 |
| FS | III | SUF | Mid-Atlantic | MA3566RRII | RR | 19-Sep-09 | 1.0 | 20 | 21 | 3.7 | 2321 | 27.0 |
| FS | III | SUF | Mid-Atlantic | MA3781NRR | RR | 17-Sep-09 | 1.0 | 24 | 8 | 4.0 | 2345 | 25.4 |
| FS | III | SUF | S.States | 3820NR2 | RR2Y | 20-Sep-09 | 1.0 | 23 | 3 | 3.3 | 2755 | 25.0 |
| FS | III | SUF | Virginia | V04-7743 | CONV | 18-Sep-09 | 1.0 | 26 | 13 | 4.3 | 2585 | 24.2 |
| FS | III | SUF | Mid-Atlantic | MA3955RR | RR | 19-Sep-09 | 1.0 | 21 | 6 | 2.7 | 2611 | 24.2 |
| FS | III | SUF | Mid-Atlantic | MA3299RR/STS | RR/STS | 17-Sep-09 | 1.0 | 22 | 9 | 4.3 | 2641 | 23.8 |
| FS | III | SUF | Dyna-Gro | 37P37 | RR | 19-Sep-09 | 1.0 | 21 | 11 | 4.0 | 2413 | 23.3 |
| FS | III | SUF | Trisoy | 38Z0R2 | RR2Y | 16-Sep-09 | 1.0 | 22 | 3 | 3.3 | 2889 | 21.6 |
| FS | III | SUF | S.States | RT3871N | RR | 22-Sep-09 | 1.0 | 24 | 3 | 2.0 | 2750 | 21.0 |
| FS | III | SUF | USG | 7384nRS | RR/STS | 17-Sep-09 | 1.0 | 20 | 1 | 4.0 | 3133 | 20.8 |
| FS | III | SUF | Trisoy | 3895RR(CN) | RR | 18-Sep-09 | 1.0 | 21 | 7 | 4.0 | 2679 | 18.5 |
| | | | | | Average | 19-Sep-09 | 1.0 | 23 | 8 | 3.5 | 2639 | 25.6 |
| | | | | | R2 | 0.67 | --- | 0.88 | 0.68 | 0.75 | 0.68 | 0.61 |
| | | | | | CV | 0.8 | --- | 5.6 | 57.6 | 14.7 | 6.4 | 18.7 |
| | | | | | LSD (0.10)* | 4.1 | 0.0 | 2.0 | 6.1 | 0.8 | 292.3 | 10.2 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| FS | III | WAR | T.A.Seed | TS3989RS | RR/STS | 18-Sep-09 | 1.5 | 27 | 4 | 2.8 | 3078 | 55.2 | |
| FS | III | WAR | Trisoy | 38Z0R2 | RR2Y | 14-Sep-09 | 1.7 | 25 | 2 | 2.9 | 3197 | 52.1 | |
| FS | III | WAR | Mid-Atlantic | MA3877RR | RR | 16-Sep-09 | 1.6 | 30 | 1 | 2.8 | 3314 | 51.7 | |
| FS | III | WAR | Virginia | V02-8659 | CONV | 16-Sep-09 | 1.8 | 29 | 1 | 2.2 | 3575 | 48.9 | |
| FS | III | WAR | Mid-Atlantic | MA3781NRR | RR | 11-Sep-09 | 1.4 | 24 | 0 | 2.5 | 2838 | 47.1 | |
| FS | III | WAR | USG | 73H77 | RR/STS | 15-Sep-09 | 1.7 | 25 | 1 | 3.1 | 3519 | 45.1 | |
| FS | III | WAR | S.States | RT3871N | RR | 17-Sep-09 | 1.4 | 26 | 5 | 2.8 | 3028 | 45.0 | |
| FS | III | WAR | Mid-Atlantic | MA3566RRII | RR | 13-Sep-09 | 1.3 | 19 | 2 | 3.1 | 3068 | 44.9 | |
| FS | III | WAR | S.States | 3820NR2 | RR2Y | 12-Sep-09 | 1.1 | 24 | 2 | 3.1 | 3519 | 44.8 | |
| FS | III | WAR | USG | 73F59 | #N/A | 7-Sep-09 | 1.1 | 23 | 3 | 2.2 | 2874 | 44.3 | |
| FS | III | WAR | Mid-Atlantic | MA3955RR | RR | 14-Sep-09 | 1.2 | 22 | 2 | 2.1 | 3721 | 44.1 | |
| FS | III | WAR | S.States | RT3971N | RR | 13-Sep-09 | 1.2 | 24 | 2 | 2.3 | 3220 | 43.6 | |
| FS | III | WAR | Virginia | V04-7743 | CONV | 15-Sep-09 | 1.5 | 29 | 3 | 2.4 | 3519 | 43.0 | |
| FS | III | WAR | Dyna-Gro | 37P37 | RR | 12-Sep-09 | 1.1 | 22 | 4 | 2.1 | 3193 | 40.4 | |
| FS | III | WAR | NK | S39-A3 | RR | 14-Sep-09 | 1.0 | 20 | 5 | 3.3 | 3338 | 39.7 | |
| FS | III | WAR | USG | 7384nRS | RR/STS | 12-Sep-09 | 1.1 | 20 | 0 | 2.0 | 3418 | 38.8 | |
| FS | III | WAR | Mid-Atlantic | MA3299RR/STS | RR/STS | 7-Sep-09 | 1.1 | 18 | 0 | 2.5 | 3752 | 37.8 | |
| FS | III | WAR | Trisoy | 3895RR(CN) | RR | 14-Sep-09 | 1.1 | 22 | 1 | 2.2 | 3314 | 36.9 | |
| | | | | | | Average | 13-Sep-09 | 1 | 24 | 2 | 2.6 | 3305 | 44.6 |
| | | | | | | R2 | 0.87 | 0.73 | 0.82 | 0.73 | 0.54 | 0.94 | 0.70 |
| | | | | | | CV | 0.6 | 15.5 | 8.7 | 69.4 | 18.4 | 4.1 | 11.3 |
| | | | | | | LSD (0.10)* | 2.2 | 0.4 | 3.3 | 12.5 | 1.0 | 1.2 | 9.5 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| FS | IVE | BLK | S.States | LL430N | LL | --- | 1.0 | 34 | 20 | 3.7 | 3071 | 32.3 | |
| FS | IVE | BLK | Asgrow | AG4303 | RR/STS | --- | 1.0 | 27 | 8 | 4.0 | 2998 | 29.8 | |
| FS | IVE | BLK | S.States | RT4470N-STS | RR/STS | --- | 1.0 | 26 | 14 | 3.7 | 3039 | 29.4 | |
| FS | IVE | BLK | NK | S43-N6 | RR | --- | 1.0 | 30 | 6 | 3.3 | 3674 | 28.3 | |
| FS | IVE | BLK | Progeny | P4606RR | RR/STS | --- | 1.0 | 26 | 12 | 3.7 | 3499 | 28.1 | |
| FS | IVE | BLK | NK | S44-D5 | RR | --- | 1.0 | 28 | 3 | 2.3 | 3990 | 27.9 | |
| FS | IVE | BLK | USG | 74A45 | RR | --- | 1.0 | 36 | 8 | 4.0 | 3877 | 26.7 | |
| FS | IVE | BLK | USG | 74A27 | RR/STS | --- | 1.0 | 25 | 8 | 3.7 | 3609 | 26.5 | |
| FS | IVE | BLK | S.States | RT4451N | RR | --- | 1.0 | 34 | 6 | 3.7 | 4086 | 26.3 | |
| FS | IVE | BLK | S.States | RT4370N | RR | --- | 1.0 | 37 | 2 | 3.0 | 3321 | 25.8 | |
| FS | IVE | BLK | Pioneer | 94Y60 | RR | --- | 1.0 | 30 | 8 | 3.3 | 3681 | 25.5 | |
| FS | IVE | BLK | Mid-Atlantic | MA4399RR/STS | RR/STS | --- | 1.0 | 30 | 6 | 2.8 | 3745 | 25.0 | |
| FS | IVE | BLK | S.States | LL450N | LL | --- | 1.0 | 35 | 15 | 3.7 | 3170 | 24.3 | |
| FS | IVE | BLK | Progeny | P4508RR | RR | --- | 1.0 | 30 | 4 | 4.0 | 4025 | 24.0 | |
| FS | IVE | BLK | Public | Prohio | CONV | --- | 1.0 | 29 | 6 | 4.7 | 3504 | 23.8 | |
| FS | IVE | BLK | USG | 74B58 | RR/STS | --- | 1.0 | 24 | 16 | 5.0 | 2845 | 23.8 | |
| FS | IVE | BLK | Public | Monocacy | CONV | --- | 1.0 | 30 | 13 | 4.0 | 2880 | 22.8 | |
| FS | IVE | BLK | Progeny | P4206RR | RR | --- | 1.0 | 25 | 7 | 4.3 | 3348 | 22.2 | |
| FS | IVE | BLK | T.A.Seed | TS4299RS | RR/STS | --- | 1.0 | 27 | 5 | 4.0 | 3042 | 22.0 | |
| | | | | | | Average | --- | 1.0 | 30 | 9 | 3.7 | 3442 | 26.0 |
| | | | | | | R2 | --- | --- | 0.91 | 0.72 | 0.56 | 0.85 | 0.61 |
| | | | | | | CV | --- | --- | 5.1 | 44.4 | 18.6 | 6.1 | 11.5 |
| | | | | | | LSD (0.10)* | --- | 0.0 | 2.3 | 6.8 | 1.4 | 326.6 | 5.9 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVE | BLK | S.States | LL450N | LL | --- | --- | --- | 2 | 2.7 | 2561 | 60.3 |
| DC | IVE | BLK | Progeny | P4606RR | RR/STS | --- | --- | --- | 1 | 2.0 | 2749 | 57.9 |
| DC | IVE | BLK | S.States | RT4470N-STS | RR/STS | --- | --- | --- | 0 | 2.0 | 2252 | 57.6 |
| DC | IVE | BLK | USG | 74A45 | RR | --- | --- | --- | 0 | 1.7 | 3185 | 55.0 |
| DC | IVE | BLK | S.States | RT4451N | RR | --- | --- | --- | 1 | 1.3 | 3270 | 52.9 |
| DC | IVE | BLK | Progeny | P4508RR | RR | --- | --- | --- | 0 | 2.0 | 3148 | 51.3 |
| DC | IVE | BLK | USG | 74B58 | RR/STS | --- | --- | --- | 1 | 2.0 | 2292 | 50.7 |
| DC | IVE | BLK | S.States | LL430N | LL | --- | --- | --- | 0 | 2.0 | 2441 | 49.0 |
| DC | IVE | BLK | Progeny | P4206RR | RR | --- | --- | --- | 1 | 2.7 | 2525 | 47.3 |
| DC | IVE | BLK | USG | 74A27 | RR/STS | --- | --- | --- | 0 | 2.0 | 2871 | 45.1 |
| DC | IVE | BLK | S.States | RT4370N | RR | --- | --- | --- | 0 | 2.3 | 2747 | 42.8 |
| | | | | | | Average | --- | --- | 1 | 2.1 | 2731 | 51.8 |
| | | | | | | R2 | --- | --- | 0.33 | 0.74 | 0.96 | 0.69 |
| | | | | | | CV | --- | --- | 158.9 | 15.4 | 3.1 | 10.3 |
| | | | | | | LSD (0.10)* | --- | --- | 2.9 | 0.6 | 125.0 | 9.6 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVE | ORG-B | USG | 74B58 | RR/STS | --- | 1.0 | 26 | 0 | 2.0 | 2622 | 62.3 |
| DC | IVE | ORG-B | USG | 74A45 | RR | --- | 1.0 | 36 | 0 | 1.0 | 3837 | 59.3 |
| DC | IVE | ORG-B | S.States | RT4470N-STS | RR/STS | --- | 1.0 | 27 | 0 | 1.0 | 2803 | 57.2 |
| DC | IVE | ORG-B | USG | 74A27 | RR/STS | --- | 1.0 | 29 | 1 | 1.3 | 3162 | 57.1 |
| DC | IVE | ORG-B | Progeny | P4606RR | RR/STS | --- | 1.0 | 27 | 0 | 1.7 | 2930 | 56.3 |
| DC | IVE | ORG-B | Pioneer | 94Y20 | RR | --- | 1.0 | 29 | 0 | 1.7 | 3549 | 54.3 |
| DC | IVE | ORG-B | T.A.Seed | TS3989RS | RR/STS | --- | 1.0 | 30 | 0 | 1.0 | 2624 | 51.9 |
| DC | IVE | ORG-B | S.States | RT4451N | RR | --- | 1.0 | 36 | 0 | 1.0 | 3349 | 49.3 |
| DC | IVE | ORG-B | Progeny | P4508RR | RR | --- | 1.0 | 31 | 0 | 1.0 | 3883 | 49.2 |
| DC | IVE | ORG-B | S.States | RT4370N | RR | --- | 1.0 | 36 | 0 | 1.0 | 3184 | 48.5 |
| DC | IVE | ORG-B | T.A.Seed | TS4299RS | RR/STS | --- | 1.0 | 28 | 0 | 1.7 | 2804 | 47.4 |
| DC | IVE | ORG-B | Asgrow | AG4606 | RR/STS | --- | 1.0 | 33 | 1 | 1.0 | 2803 | 44.7 |
| DC | IVE | ORG-B | Progeny | P4206RR | RR | --- | 1.0 | 28 | 0 | 2.0 | 2854 | 44.5 |

| | | | | | | | |
|-------------|-----|-----|------|-------|------|-------|------|
| Average | --- | 1 | 30 | 0 | 1.3 | 3108 | 52.5 |
| R2 | --- | --- | 0.67 | 0.41 | 0.76 | 0.92 | 0.73 |
| CV | --- | --- | 10.4 | 214.6 | 21.3 | 4.7 | 8.9 |
| LSD (0.10)* | --- | 0.0 | 5.5 | 0.8 | 0.5 | 217.0 | 7.6 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVE | ORG-W | S.States | RT4470N-STS | RR/STS | --- | --- | 29 | 0 | 2.7 | 2358 | 52.9 |
| DC | IVE | ORG-W | Mid-Atlantic | MA4077RR/STS | RR | --- | --- | 31 | 0 | 2.7 | 2671 | 47.6 |
| DC | IVE | ORG-W | Stine | 44LA32 | LL | --- | --- | 31 | 0 | 2.0 | 2752 | 46.4 |
| DC | IVE | ORG-W | T.A.Seed | TS4319R2 | RR | --- | --- | 31 | 0 | 2.0 | 3001 | 46.2 |
| DC | IVE | ORG-W | Asgrow | AG4303 | RR/STS | --- | --- | 28 | 0 | 3.2 | 2352 | 43.9 |
| DC | IVE | ORG-W | Mid-Atlantic | MA4666NRR | RR | --- | --- | 33 | 0 | 1.7 | 2880 | 43.1 |
| DC | IVE | ORG-W | Asgrow | AG4605 | RR/STS | --- | --- | 31 | 0 | 2.0 | 2797 | 42.3 |
| DC | IVE | ORG-W | Dyna-Gro | 36C44 | RR/STS | --- | --- | 29 | 0 | 3.0 | 2433 | 41.6 |
| DC | IVE | ORG-W | Mid-Atlantic | MA4100RRII | RR | --- | --- | 29 | 0 | 1.7 | 3061 | 41.4 |
| DC | IVE | ORG-W | Progeny | P4508RR | RR | --- | --- | 33 | 0 | 2.0 | 3660 | 40.9 |
| DC | IVE | ORG-W | T.A.Seed | TS4299RS | RR/STS | --- | --- | 29 | 0 | 2.7 | 2727 | 40.6 |
| DC | IVE | ORG-W | Progeny | P4606RR | RR/STS | --- | --- | 27 | 0 | 2.0 | 2806 | 40.6 |
| DC | IVE | ORG-W | Asgrow | AG4606 | RR/STS | --- | --- | 31 | 0 | 1.7 | 3229 | 40.5 |
| DC | IVE | ORG-W | Dyna-Gro | 37A44 | RR | --- | --- | 33 | 0 | 1.7 | 3674 | 37.9 |
| DC | IVE | ORG-W | S.States | RT4370N | RR | --- | --- | 37 | 0 | 2.7 | 2940 | 37.7 |
| DC | IVE | ORG-W | S.States | RT4451N | RR | --- | --- | 33 | 0 | 1.7 | 3736 | 37.3 |
| DC | IVE | ORG-W | Asgrow | AG4005 | RR | --- | --- | 35 | 0 | 3.3 | 2615 | 37.0 |
| DC | IVE | ORG-W | Progeny | P4206RR | RR | --- | --- | 30 | 0 | 3.3 | 2898 | 36.3 |
| DC | IVE | ORG-W | Mid-Atlantic | MA4399RR/STS | RR/STS | --- | --- | 29 | 0 | 2.3 | 3449 | 34.8 |
| DC | IVE | ORG-W | T.A.Seed | TS4499R | RR | --- | --- | 31 | 1 | 3.5 | 2806 | 31.3 |

| | | | | | | | |
|-------------|-----|-----|------|-------|------|-------|------|
| Average | --- | --- | 31 | 0 | 2.4 | 2942 | 41.0 |
| R2 | --- | --- | 0.74 | 0.28 | 0.73 | 0.95 | 0.55 |
| CV | --- | --- | 7.3 | 460.4 | 21.1 | 4.3 | 14.7 |
| LSD (0.10)* | --- | --- | 3.8 | 0.8 | 0.9 | 188.8 | 13.0 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height In. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | IVE | PTR | USG | 74B58 | RR/STS | --- | 1.0 | 30 | 4 | 2.0 | 2174 | 71.7 |
| FS | IVE | PTR | Trisoy | 40Z0R2 | RR2Y | --- | 1.5 | 35 | 1 | 2.0 | 2821 | 70.0 |
| FS | IVE | PTR | Trisoy | 4586RR(CN) | RR/STS | --- | 1.0 | 26 | 2 | 2.0 | 2289 | 69.8 |
| FS | IVE | PTR | NK | S44-D5 | RR | --- | 1.2 | 33 | 1 | 1.3 | 3287 | 69.8 |
| FS | IVE | PTR | Mid-Atlantic | MA4399RR/STS | RR/STS | --- | 1.0 | 36 | 3 | 2.0 | 3173 | 69.2 |
| FS | IVE | PTR | USG | 74A69 | RR2Y | --- | 1.3 | 32 | 1 | 1.3 | 2564 | 68.8 |
| FS | IVE | PTR | USG | 74A45 | RR | --- | 1.8 | 37 | 5 | 1.7 | 3191 | 67.8 |
| FS | IVE | PTR | Asgrow | AG4303 | RR/STS | --- | 1.1 | 30 | 4 | 2.0 | 2320 | 67.6 |
| FS | IVE | PTR | T.A.Seed | TS4319R2 | RR | --- | 1.0 | 32 | 6 | 1.3 | 2997 | 66.6 |
| FS | IVE | PTR | Dyna-Gro | 36C44 | RR/STS | --- | 1.0 | 25 | 7 | 2.3 | 2284 | 65.8 |
| FS | IVE | PTR | S.States | LL430N | LL | --- | 1.3 | 36 | 13 | 2.0 | 2646 | 64.9 |
| FS | IVE | PTR | Asgrow | AG4605 | RR/STS | --- | 1.2 | 31 | 8 | 2.0 | 2826 | 63.5 |
| FS | IVE | PTR | Progeny | P4508RR | RR | --- | 1.2 | 32 | 1 | 1.0 | 3247 | 63.2 |
| FS | IVE | PTR | Dyna-Gro | 37A44 | RR | --- | 1.2 | 35 | 1 | 1.0 | 3557 | 63.1 |
| FS | IVE | PTR | S.States | RT4451N | RR | --- | 1.5 | 37 | 3 | 1.0 | 3418 | 63.1 |
| FS | IVE | PTR | Trisoy | 4184RR(CN) | RR/STS | --- | 1.0 | 27 | 6 | 3.0 | 2280 | 62.5 |
| FS | IVE | PTR | Asgrow | AG4606 | RR/STS | --- | 1.2 | 32 | 2 | 2.0 | 3217 | 62.4 |
| FS | IVE | PTR | USG | 74A27 | RR/STS | --- | 1.2 | 30 | 2 | 2.0 | 2754 | 62.0 |
| FS | IVE | PTR | S.States | RT4470N-STS | RR/STS | --- | 1.3 | 28 | 4 | 2.0 | 2332 | 61.6 |
| FS | IVE | PTR | Asgrow | AG4005 | RR | --- | 1.0 | 28 | 12 | 2.7 | 2532 | 61.4 |
| FS | IVE | PTR | T.A.Seed | TS4499R | RR | --- | 1.0 | 32 | 3 | 2.3 | 2431 | 60.9 |
| FS | IVE | PTR | Stine | 44LA32 | LL | --- | 1.2 | 34 | 6 | 2.0 | 2704 | 60.7 |
| FS | IVE | PTR | Public | Monocacy | CONV | --- | 1.2 | 36 | 11 | 3.0 | 2369 | 60.7 |
| FS | IVE | PTR | T.A.Seed | TS4299RS | RR/STS | --- | 1.2 | 29 | 5 | 3.0 | 2470 | 60.4 |
| FS | IVE | PTR | Progeny | P4606RR | RR/STS | --- | 1.0 | 29 | 0 | 2.0 | 2900 | 60.2 |
| FS | IVE | PTR | USG | 74A39 | RR2Y | --- | 1.2 | 33 | 1 | 1.7 | 2594 | 59.8 |
| FS | IVE | PTR | Public | Prohio | CONV | --- | 1.5 | 31 | 12 | 2.7 | 2872 | 59.4 |
| FS | IVE | PTR | Trisoy | 4275RR(CN) | RR/STS | --- | 1.0 | 28 | 4 | 2.0 | 2722 | 58.7 |
| FS | IVE | PTR | Pioneer | 94Y60 | RR | --- | 1.3 | 32 | 8 | 1.3 | 2835 | 57.5 |
| FS | IVE | PTR | S.States | LL450N | LL | --- | 1.3 | 35 | 6 | 2.3 | 2931 | 56.8 |
| FS | IVE | PTR | Progeny | P4206RR | RR | --- | 1.0 | 30 | 4 | 2.0 | 2739 | 56.2 |
| | | | | | Average | --- | 1.2 | 32 | 5 | 2.0 | 2757 | 63.4 |
| | | | | | R2 | --- | 0.61 | 0.69 | 1 | 0.78 | 0.94 | 0.80 |
| | | | | | CV | --- | 20.1 | 9.0 | 109.2 | 18.3 | 4.2 | 8.3 |
| | | | | | LSD (0.10)* | --- | 0.5 | 4.7 | 12.7 | 0.6 | 168.7 | 11.0 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height In. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVE | PTR | S.States | RT4451N | RR | --- | 1.3 | 27 | 2 | 2.7 | 3044 | 60.4 |
| DC | IVE | PTR | T.A.Seed | TS3989RS | RR/STS | --- | 1.0 | 25 | 2 | 3.0 | 2808 | 60.3 |
| DC | IVE | PTR | S.States | RT4470N-STS | RR/STS | --- | 1.0 | 25 | 5 | 3.3 | 2545 | 59.4 |
| DC | IVE | PTR | Progeny | P4508RR | RR | --- | 1.0 | 25 | 2 | 2.3 | 3308 | 58.8 |
| DC | IVE | PTR | Progeny | P4206RR | RR | --- | 1.0 | 26 | 1 | 3.0 | 2942 | 57.7 |
| DC | IVE | PTR | Progeny | P4606RR | RR/STS | --- | 1.0 | 27 | 1 | 3.0 | 2846 | 57.5 |
| DC | IVE | PTR | T.A.Seed | TS4299RS | RR/STS | --- | 1.0 | 25 | 1 | 3.7 | 2702 | 56.8 |
| DC | IVE | PTR | S.States | LL430N | LL | --- | 1.7 | 30 | 1 | 3.0 | 2827 | 56.0 |
| DC | IVE | PTR | Asgrow | AG4606 | RR/STS | --- | 1.0 | 25 | 1 | 2.7 | 3086 | 54.7 |
| DC | IVE | PTR | USG | 74B58 | RR/STS | --- | 1.0 | 31 | 1 | 3.7 | 2561 | 53.8 |
| DC | IVE | PTR | S.States | LL450N | LL | --- | 1.2 | 29 | 1 | 3.3 | 2875 | 53.3 |
| DC | IVE | PTR | S.States | RT4370N | RR | --- | 1.7 | 30 | 1 | 2.3 | 3249 | 51.7 |
| DC | IVE | PTR | USG | 74A27 | RR/STS | --- | 1.3 | 27 | 2 | 3.7 | 3249 | 50.8 |
| DC | IVE | PTR | USG | 74A45 | RR | --- | 1.7 | 27 | 2 | 2.7 | 3090 | 50.7 |
| | | | | | Average | --- | 1.2 | 27 | 2 | 3.0 | 2938 | 55.8 |
| | | | | | R2 | --- | 0.78 | 0.74 | 0.65 | 0.59 | 0.96 | 0.57 |
| | | | | | CV | --- | 15.8 | 8.1 | 73.6 | 16.2 | 3.2 | 8.3 |
| | | | | | LSD (0.10)* | --- | 0.3 | 3.6 | 2.0 | 3.1 | 138.2 | 10.6 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| FS | IVE | SUF | Trisoy | 4586RR(CN) | RR/STS | 26-Sep-09 | 1.0 | 24 | 12 | 2.7 | 2169 | 58.4 | |
| FS | IVE | SUF | USG | 74A69 | RR2Y | 4-Oct-09 | 1.0 | 29 | 2 | 2.0 | 2384 | 55.3 | |
| FS | IVE | SUF | Mid-Atlantic | MA4399RR/STS | RR/STS | 28-Sep-09 | 1.0 | 31 | 5 | 2.0 | 2719 | 53.0 | |
| FS | IVE | SUF | USG | 74B58 | RR/STS | 26-Sep-09 | 1.0 | 24 | 7 | 3.0 | 2129 | 52.5 | |
| FS | IVE | SUF | Dyna-Gro | 36C44 | RR/STS | 28-Sep-09 | 1.0 | 24 | 5 | 3.0 | 2223 | 50.9 | |
| FS | IVE | SUF | Trisoy | 4184RR(CN) | RR/STS | 25-Sep-09 | 1.0 | 27 | 4 | 3.7 | 2415 | 49.2 | |
| FS | IVE | SUF | NK | S44-D5 | RR | 27-Sep-09 | 1.0 | 25 | 1 | 2.0 | 3223 | 48.8 | |
| FS | IVE | SUF | T.A.Seed | TS4499R | RR | 29-Sep-09 | 1.0 | 28 | 5 | 3.0 | 2464 | 48.0 | |
| FS | IVE | SUF | Mid-Atlantic | MA4666NRR | RR | 2-Oct-09 | 1.0 | 31 | 3 | 1.7 | 2856 | 47.8 | |
| FS | IVE | SUF | S.States | RT4470N-STS | RR/STS | 26-Sep-09 | 1.0 | 24 | 11 | 2.7 | 2286 | 47.6 | |
| FS | IVE | SUF | USG | 74A39 | RR2Y | 27-Sep-09 | 1.0 | 28 | 10 | 2.0 | 2456 | 47.1 | |
| FS | IVE | SUF | Progeny | P4606RR | RR/STS | 28-Sep-09 | 1.0 | 25 | 7 | 2.0 | 2715 | 47.0 | |
| FS | IVE | SUF | Dyna-Gro | 37A44 | RR | 25-Sep-09 | 1.0 | 32 | 6 | 2.0 | 3218 | 45.6 | |
| FS | IVE | SUF | S.States | LL450N | LL | 28-Sep-09 | 1.2 | 39 | 8 | 2.3 | 3083 | 45.3 | |
| FS | IVE | SUF | S.States | RT4370N | RR | 24-Sep-09 | 1.0 | 31 | 4 | 2.3 | 2810 | 44.5 | |
| FS | IVE | SUF | NK | S43-N6 | RR | 26-Sep-09 | 1.0 | 24 | 10 | 2.0 | 2815 | 42.8 | |
| FS | IVE | SUF | Progeny | P4508RR | RR | 26-Sep-09 | 1.0 | 27 | 4 | 2.3 | 3058 | 42.7 | |
| FS | IVE | SUF | Progeny | P4206RR | RR | 26-Sep-09 | 1.0 | 26 | 6 | 3.0 | 2596 | 42.4 | |
| FS | IVE | SUF | S.States | RT4451N | RR | 24-Sep-09 | 1.0 | 31 | 7 | 2.3 | 3154 | 41.1 | |
| FS | IVE | SUF | S.States | LL430N | LL | 28-Sep-09 | 1.0 | 30 | 12 | 2.0 | 2729 | 39.4 | |
| FS | IVE | SUF | Asgrow | AG4303 | RR/STS | 26-Sep-09 | 1.0 | 23 | 15 | 3.7 | 2189 | 39.3 | |
| FS | IVE | SUF | USG | 74A27 | RR/STS | 26-Sep-09 | 1.0 | 24 | 5 | 2.0 | 2864 | 38.0 | |
| FS | IVE | SUF | Pioneer | 94Y60 | RR | 26-Sep-09 | 1.0 | 26 | 18 | 3.0 | 2716 | 37.0 | |
| FS | IVE | SUF | Trisoy | 4275RR(CN) | RR/STS | 26-Sep-09 | 1.0 | 25 | 7 | 2.0 | 2792 | 36.1 | |
| FS | IVE | SUF | Stine | 44LA32 | LL | 28-Sep-09 | 1.0 | 30 | 10 | 2.0 | 2938 | 35.4 | |
| FS | IVE | SUF | Mid-Atlantic | MA4100RRII | RR | 26-Sep-09 | 1.0 | 23 | 13 | 2.3 | 2837 | 35.0 | |
| FS | IVE | SUF | USG | 74A45 | RR | 21-Sep-09 | 1.0 | 31 | 4 | 2.0 | 3522 | 32.6 | |
| | | | | | Average | 27-Sep-09 | 1.0 | 27 | 7 | 2.4 | 2717 | 44.6 | |
| | | | | | R2 | | 0.51 | 0.35 | 0.82 | 0.61 | 0.64 | 0.92 | 0.57 |
| | | | | | CV | | 1.5 | 5.5 | 7.8 | 59.4 | 22.2 | 4.9 | 18.1 |
| | | | | | LSD (0.10)* | | 10.0 | 0.2 | 3.4 | 8.4 | 1.0 | 197.9 | 19.3 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| DC | IVE | SUF | Pioneer | 94Y20 | RR | 26-Oct-09 | 1.5 | 35 | --- | 2.3 | 2559 | 68.2 | |
| DC | IVE | SUF | Stine | 44LA32 | LL | 26-Oct-09 | 2.8 | 37 | --- | 2.0 | 2583 | 66.1 | |
| DC | IVE | SUF | S.States | RT4470N-STS | RR/STS | 26-Oct-09 | 1.0 | 33 | --- | 2.3 | 2368 | 62.1 | |
| DC | IVE | SUF | Asgrow | AG4606 | RR/STS | 23-Oct-09 | 1.2 | 37 | --- | 2.0 | 2740 | 61.9 | |
| DC | IVE | SUF | S.States | LL430N | LL | 26-Oct-09 | 1.5 | 37 | --- | 1.7 | 2515 | 61.3 | |
| DC | IVE | SUF | S.States | LL450N | LL | 26-Oct-09 | 2.2 | 36 | --- | 2.0 | 2630 | 61.3 | |
| DC | IVE | SUF | USG | 74B58 | RR/STS | 21-Oct-09 | 1.0 | 31 | --- | 2.7 | 2232 | 59.3 | |
| DC | IVE | SUF | USG | 74A45 | RR | 26-Oct-09 | 3.0 | 36 | --- | 1.7 | 2747 | 58.5 | |
| DC | IVE | SUF | S.States | RT4451N | RR | 23-Oct-09 | 2.3 | 35 | --- | 2.0 | 2874 | 57.9 | |
| DC | IVE | SUF | Progeny | P4206RR | RR | 22-Oct-09 | 1.5 | 35 | --- | 2.7 | 2630 | 56.8 | |
| DC | IVE | SUF | Progeny | P4606RR | RR/STS | 26-Oct-09 | 1.0 | 31 | --- | 2.0 | 2648 | 55.9 | |
| DC | IVE | SUF | USG | 74A27 | RR/STS | 23-Oct-09 | 1.0 | 34 | --- | 2.0 | 2909 | 55.5 | |
| DC | IVE | SUF | S.States | RT4370N | RR | 19-Oct-09 | 2.0 | 37 | --- | 2.7 | 2893 | 51.4 | |
| DC | IVE | SUF | Progeny | P4508RR | RR | 21-Oct-09 | 2.5 | 34 | --- | 1.7 | 2975 | 51.3 | |
| | | | | | Average | 24-Oct-09 | 1.8 | 35 | --- | 2.1 | 2664 | 59.1 | |
| | | | | | R2 | | 0.48 | 0.56 | 0.73 | --- | 0.57 | 0.95 | 0.40 |
| | | | | | CV | | 1.0 | 46.0 | 6.9 | --- | 19.6 | 2.8 | 12.3 |
| | | | | | LSD (0.10)* | | 6.0 | 1.6 | 4.0 | --- | 0.8 | 110.6 | 17.7 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|--------------|--------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | IVE | WAR | S.States | RT4370N | RR | 25-Sep-09 | 2.1 | 36 | --- | 1.8 | --- | 62.0 |
| FS | IVE | WAR | Mid-Atlantic | MA4399RR/STS | RR/STS | 21-Sep-09 | 1.6 | 28 | --- | 1.8 | --- | 58.9 |
| FS | IVE | WAR | USG | 74B58 | RR/STS | 24-Sep-09 | 1.4 | 27 | --- | 1.6 | --- | 58.4 |
| FS | IVE | WAR | S.States | LL430N | LL | 20-Sep-09 | 1.2 | 27 | --- | 2.2 | --- | 57.9 |
| FS | IVE | WAR | USG | 74A39 | RR2Y | 22-Sep-09 | 1.3 | 27 | --- | 2.3 | --- | 56.8 |
| FS | IVE | WAR | Asgrow | AG4605 | RR/STS | 22-Sep-09 | 1.0 | 26 | --- | 1.9 | --- | 55.0 |
| FS | IVE | WAR | S.States | LL450N | LL | 20-Sep-09 | 1.0 | 22 | --- | 2.1 | --- | 53.6 |
| FS | IVE | WAR | Trisoy | 40Z0R2 | RR2Y | 17-Sep-09 | 1.4 | 27 | --- | 2.4 | --- | 53.2 |
| FS | IVE | WAR | Dyna-Gro | 37A44 | RR | 22-Sep-09 | 1.5 | 30 | --- | 2.1 | --- | 53.2 |
| FS | IVE | WAR | Stine | 44LA32 | LL | 20-Sep-09 | 1.2 | 28 | --- | 2.7 | --- | 52.5 |
| FS | IVE | WAR | Progeny | P4606RR | RR/STS | 22-Sep-09 | 1.1 | 23 | --- | 2.0 | --- | 52.1 |
| FS | IVE | WAR | T.A.Seed | TS4499R | RR | 21-Sep-09 | 1.0 | 26 | --- | 3.3 | --- | 51.7 |
| FS | IVE | WAR | Progeny | P4508RR | RR | 20-Sep-09 | 1.3 | 24 | --- | 1.7 | --- | 51.4 |
| FS | IVE | WAR | T.A.Seed | TS4319R2 | RR | 19-Sep-09 | 1.4 | 24 | --- | 2.9 | --- | 50.9 |
| FS | IVE | WAR | Progeny | P4408RR | RR/STS | 21-Sep-09 | 1.1 | 22 | --- | 2.0 | --- | 50.7 |
| FS | IVE | WAR | Asgrow | AG4606 | RR/STS | 21-Sep-09 | 1.1 | 26 | --- | 1.6 | --- | 49.5 |
| FS | IVE | WAR | Progeny | P4206RR | RR | 17-Sep-09 | 1.1 | 22 | --- | 1.8 | --- | 49.5 |
| FS | IVE | WAR | Trisoy | 4184RR(CN) | RR/STS | 14-Sep-09 | 1.3 | 23 | --- | 2.6 | --- | 48.9 |
| FS | IVE | WAR | T.A.Seed | TS4299RS | RR/STS | 18-Sep-09 | 1.1 | 22 | --- | 2.0 | --- | 48.9 |
| FS | IVE | WAR | Mid-Atlantic | MA4100RRII | RR | 19-Sep-09 | 1.2 | 23 | --- | 2.5 | --- | 48.7 |
| FS | IVE | WAR | USG | 74A45 | RR | 20-Sep-09 | 1.9 | 31 | --- | 1.9 | --- | 48.3 |
| FS | IVE | WAR | NK | S44-D5 | RR | 21-Sep-09 | 1.1 | 23 | --- | 2.0 | --- | 47.7 |
| FS | IVE | WAR | Mid-Atlantic | MA4666NRR | RR | 19-Sep-09 | 1.1 | 22 | --- | 2.0 | --- | 47.4 |
| FS | IVE | WAR | S.States | RT4470N-STS | RR/STS | 19-Sep-09 | 1.4 | 30 | --- | 2.7 | --- | 47.4 |
| FS | IVE | WAR | Asgrow | AG4303 | RR/STS | 19-Sep-09 | 1.1 | 20 | --- | 2.1 | --- | 47.0 |
| FS | IVE | WAR | S.States | RT4451N | RR | 19-Sep-09 | 1.5 | 30 | --- | 2.3 | --- | 46.7 |
| FS | IVE | WAR | Asgrow | AG4005 | RR | 16-Sep-09 | 1.1 | 23 | --- | 3.2 | --- | 46.7 |
| FS | IVE | WAR | NK | S43-N6 | RR | 17-Sep-09 | 1.2 | 24 | --- | 2.5 | --- | 46.6 |
| FS | IVE | WAR | USG | 74A27 | RR/STS | 18-Sep-09 | 1.2 | 24 | --- | 1.5 | --- | 45.9 |
| FS | IVE | WAR | Public | Prohio | CONV | 17-Sep-09 | 1.4 | 26 | --- | 3.1 | --- | 45.3 |
| FS | IVE | WAR | Trisoy | 4275RR(CN) | RR/STS | 19-Sep-09 | 1.1 | 23 | --- | 1.7 | --- | 44.7 |
| FS | IVE | WAR | USG | 74A69 | RR2Y | 18-Sep-09 | 1.1 | 19 | --- | 2.5 | --- | 43.7 |
| FS | IVE | WAR | Dyna-Gro | 36C44 | RR/STS | 16-Sep-09 | 1.2 | 21 | --- | 2.2 | --- | 40.8 |
| FS | IVE | WAR | Public | Monocacy | CONV | 11-Sep-09 | 1.4 | 23 | --- | 2.2 | --- | 39.0 |
| FS | IVE | WAR | Trisoy | 4586RR(CN) | RR/STS | 19-Sep-09 | 1.1 | 19 | --- | 2.0 | --- | 38.4 |
| | | | | | Average | 19-Sep-09 | 1.3 | 25 | --- | 2.2 | --- | 49.7 |
| | | | | | R2 | 0.71 | 0.67 | 0.71 | --- | 0.51 | --- | 0.39 |
| | | | | | CV | 0.8 | 16.5 | 11.1 | --- | 23.6 | --- | 15.9 |
| | | | | | LSD (0.10)* | 3.3 | 0.3 | 4.4 | --- | 1.0 | --- | 20.3 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVE | WAR | Pioneer | 94Y20 | RR | 19-Nov-09 | 1.2 | 27 | --- | 1.9 | --- | 79.9 |
| DC | IVE | WAR | Progeny | P4508RR | RR | 15-Nov-09 | 1.2 | 27 | --- | 1.7 | --- | 75.5 |
| DC | IVE | WAR | USG | 74A45 | RR | 16-Nov-09 | 1.2 | 28 | --- | 2.3 | --- | 73.7 |
| DC | IVE | WAR | S.States | LL430N | LL | 13-Nov-09 | 1.1 | 28 | --- | 2.3 | --- | 72.0 |
| DC | IVE | WAR | Progeny | P4206RR | RR | 11-Nov-09 | 1.2 | 27 | --- | 1.8 | --- | 69.0 |
| DC | IVE | WAR | Progeny | P4606RR | RR/STS | 21-Nov-09 | 1.2 | 24 | --- | 2.3 | --- | 68.5 |
| DC | IVE | WAR | S.States | RT4451N | RR | 15-Nov-09 | 1.2 | 27 | --- | 2.5 | --- | 68.3 |
| DC | IVE | WAR | Stine | 44LA32 | LL | 20-Nov-09 | 1.1 | 25 | --- | 2.3 | --- | 65.9 |
| DC | IVE | WAR | T.A.Seed | TS3989RS | RR/STS | 14-Nov-09 | 1.3 | 27 | --- | 2.7 | --- | 64.7 |
| DC | IVE | WAR | T.A.Seed | TS4299RS | RR/STS | 11-Nov-09 | 1.2 | 24 | --- | 2.4 | --- | 64.4 |
| DC | IVE | WAR | S.States | LL450N | LL | 14-Nov-09 | 1.1 | 29 | --- | 2.8 | --- | 61.9 |
| DC | IVE | WAR | USG | 74B58 | RR/STS | 21-Nov-09 | 1.1 | 22 | --- | 2.5 | --- | 61.4 |
| DC | IVE | WAR | S.States | RT4470N-STS | RR/STS | 16-Nov-09 | 1.2 | 26 | --- | 2.8 | --- | 61.1 |
| DC | IVE | WAR | USG | 74A27 | RR/STS | 16-Nov-09 | 1.1 | 28 | --- | 1.8 | --- | 57.6 |
| DC | IVE | WAR | S.States | RT4370N | RR | 6-Nov-09 | 1.2 | 28 | --- | 2.4 | --- | 55.3 |
| | | | | | Average | 15-Nov-09 | 1.2 | 26 | --- | 2.3 | --- | 66.6 |
| | | | | | R2 | 0.90 | 0.32 | 0.66 | --- | 0.67 | --- | 0.51 |
| | | | | | CV | 1.7 | 6.6 | 7.3 | --- | 14.1 | --- | 12.0 |
| | | | | | LSD (0.10)* | 11.7 | 0.2 | 3.3 | --- | 0.5 | --- | 16.5 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| FS | IVL | BLK | S.States | LL499N | LL | 3-Oct-09 | 1.0 | 31 | 14 | 2.0 | 3067 | 32.5 | |
| FS | IVL | BLK | Public | UA4805 | CONV | 5-Oct-09 | 1.0 | 31 | 8 | 2.3 | 3467 | 31.4 | |
| FS | IVL | BLK | Pioneer | 94Y80 | RR | 30-Sep-09 | 1.2 | 33 | 15 | 2.7 | 3688 | 31.2 | |
| FS | IVL | BLK | S.States | RT4808N-STS | RR/STS | 2-Oct-09 | 1.0 | 32 | 16 | 3.0 | 3600 | 30.7 | |
| FS | IVL | BLK | USG | 74T98 | RR | 8-Oct-09 | 1.0 | 36 | 13 | 2.3 | 3357 | 30.1 | |
| FS | IVL | BLK | USG | 74E88 | RR/STS | 30-Sep-09 | 1.0 | 28 | 13 | 2.7 | 3632 | 29.7 | |
| FS | IVL | BLK | NK | S48-C9 | RR | 28-Sep-09 | 1.0 | 27 | 16 | 3.0 | 4065 | 29.6 | |
| FS | IVL | BLK | Progeny | P4706RR | RR | 30-Sep-09 | 1.0 | 32 | 7 | 3.0 | 3744 | 29.2 | |
| FS | IVL | BLK | Progeny | P4906RR | RR | 30-Sep-09 | 1.0 | 31 | 14 | 3.7 | 3996 | 29.0 | |
| FS | IVL | BLK | Progeny | P4807RR | RR | 30-Sep-09 | 1.0 | 32 | 22 | 3.7 | 3432 | 29.0 | |
| FS | IVL | BLK | NK | S47-D9 | RR | 30-Sep-09 | 1.0 | 29 | 16 | 2.7 | 3560 | 28.9 | |
| FS | IVL | BLK | DeltaKing | DK4968 | RR | 30-Sep-09 | 1.0 | 34 | 12 | 2.3 | 3644 | 28.5 | |
| FS | IVL | BLK | USG | 74A88 | RR | 4-Oct-09 | 1.0 | 35 | 10 | 2.3 | 3567 | 28.3 | |
| FS | IVL | BLK | S.States | RT4996N-STS | RR/STS | 2-Oct-09 | 1.0 | 33 | 19 | 2.3 | 3552 | 28.2 | |
| FS | IVL | BLK | Virginia | V04-0867 | CONV | 6-Oct-09 | 1.0 | 32 | 30 | 3.7 | 3196 | 28.0 | |
| FS | IVL | BLK | Virginia | V03-4660 | CONV | 6-Oct-09 | 1.0 | 34 | 15 | 2.3 | 3365 | 27.2 | |
| FS | IVL | BLK | Progeny | P4949RR | RR | 2-Oct-09 | 1.0 | 34 | 24 | 3.3 | 3226 | 27.2 | |
| FS | IVL | BLK | Progeny | P4908RR | RR | 30-Sep-09 | 1.0 | 30 | 18 | 2.7 | 3830 | 27.1 | |
| FS | IVL | BLK | S.States | RT4777N | RR | 2-Oct-09 | 1.0 | 34 | 16 | 3.0 | 3468 | 26.9 | |
| FS | IVL | BLK | Progeny | P4606RR | RR/STS | 28-Sep-09 | 1.0 | 25 | 12 | 3.7 | 3777 | 26.7 | |
| | | | | | | Average | 2-Oct-09 | 1.0 | 32 | 16 | 2.8 | 3561 | 29.0 |
| | | | | | | R2 | 0.51 | 0.32 | 0.73 | 0.55 | 0.53 | 0.60 | 0.57 |
| | | | | | | CV | 1.2 | 9.2 | 7.4 | 45.1 | 23.0 | 8.1 | 12.6 |
| | | | | | | LSD (0.10)* | 8.8 | 0.3 | 2.3 | 15.3 | 1.4 | 585.6 | 13.2 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| DC | IVL | BLK | S.States | LL499N | LL | --- | --- | --- | 0 | 1.0 | 3012 | 62.3 | |
| DC | IVL | BLK | Progeny | P4908RR | RR | --- | --- | --- | 1 | 1.0 | 2817 | 57.1 | |
| DC | IVL | BLK | S.States | RT4808N-STS | RR/STS | --- | --- | --- | 1 | 1.7 | 2967 | 56.4 | |
| DC | IVL | BLK | Progeny | P4706RR | RR | --- | --- | --- | 1 | 2.0 | 2815 | 55.4 | |
| DC | IVL | BLK | Progeny | P4606RR | RR/STS | --- | --- | --- | 2 | 2.0 | 2962 | 53.8 | |
| DC | IVL | BLK | S.States | RT4996N-STS | RR/STS | --- | --- | --- | 0 | 1.3 | 2910 | 52.4 | |
| DC | IVL | BLK | Progeny | P4906RR | RR | --- | --- | --- | 1 | 1.0 | 3062 | 51.2 | |
| DC | IVL | BLK | USG | 74A88 | RR | --- | --- | --- | 0 | 2.0 | 2892 | 50.1 | |
| DC | IVL | BLK | Progeny | P4807RR | RR | --- | --- | --- | 1 | 1.0 | 2864 | 50.0 | |
| DC | IVL | BLK | USG | 74F96 | RR | --- | --- | --- | 1 | 1.0 | 2941 | 48.8 | |
| DC | IVL | BLK | S.States | RT4777N | RR | --- | --- | --- | 0 | 1.7 | 2796 | 47.8 | |
| DC | IVL | BLK | Progeny | P4949RR | RR | --- | --- | --- | 1 | 2.3 | 2630 | 47.1 | |
| DC | IVL | BLK | USG | 74G78 | RR/STS | --- | --- | --- | 1 | 2.3 | 3026 | 44.9 | |
| DC | IVL | BLK | Virginia | V03-4660 | CONV | --- | --- | --- | 0 | 2.3 | 3069 | 39.1 | |
| DC | IVL | BLK | USG | 74E88 | RR/STS | --- | --- | --- | 1 | 1.7 | 2966 | 36.9 | |
| DC | IVL | BLK | USG | 74T98 | RR | --- | --- | --- | 1 | 1.7 | 3208 | 35.8 | |
| DC | IVL | BLK | Virginia | V04-0867 | CONV | --- | --- | --- | 0 | 2.0 | 3063 | 32.7 | |
| | | | | | | Average | --- | --- | --- | 1 | 1.6 | 2941 | 48.3 |
| | | | | | | R2 | --- | --- | --- | 0.35 | 0.74 | 0.87 | 0.74 |
| | | | | | | CV | --- | --- | --- | 136.4 | 22.8 | 3.0 | 12.5 |
| | | | | | | LSD (0.10)* | --- | --- | --- | 2.7 | 0.6 | 1.9 | 10.0 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVL | ORG-B | USG | 74E88 | RR/STS | --- | 1.0 | 34 | 0 | 1.0 | 3238 | 57.3 |
| DC | IVL | ORG-B | USG | 74G78 | RR/STS | --- | 1.0 | 31 | 1 | 1.0 | 3153 | 57.1 |
| DC | IVL | ORG-B | USG | 7495nRS | RR/STS | --- | 1.7 | 36 | 0 | 1.0 | 3094 | 54.8 |
| DC | IVL | ORG-B | Pioneer | 94Y70 | RR | --- | 2.3 | 33 | 0 | 1.0 | 2974 | 54.5 |
| DC | IVL | ORG-B | Progeny | P4606RR | RR/STS | --- | 1.0 | 33 | 0 | 1.0 | 3020 | 53.9 |
| DC | IVL | ORG-B | Progeny | P4908RR | RR | --- | 1.7 | 35 | 0 | 1.0 | 3210 | 53.3 |
| DC | IVL | ORG-B | USG | 74A88 | RR | --- | 1.0 | 37 | 0 | 1.3 | 3190 | 52.9 |
| DC | IVL | ORG-B | Progeny | P4706RR | RR | --- | 1.3 | 40 | 1 | 1.0 | 3147 | 52.7 |
| DC | IVL | ORG-B | Dyna-Gro | 32P48 | RR | --- | 1.0 | 37 | 1 | 1.0 | 3054 | 51.4 |
| DC | IVL | ORG-B | Asgrow | AG4907 | RR | --- | 1.5 | 39 | 0 | 1.0 | 3300 | 51.2 |
| DC | IVL | ORG-B | Dyna-Gro | V49N6RR | RR | --- | 1.5 | 37 | 0 | 1.0 | 3049 | 49.0 |
| DC | IVL | ORG-B | Progeny | P4949RR | RR | --- | 1.3 | 36 | 1 | 1.3 | 2830 | 49.0 |
| DC | IVL | ORG-B | NK | S48-C9 | RR | --- | 1.0 | 35 | 0 | 1.0 | 3075 | 48.5 |
| DC | IVL | ORG-B | USG | 74F96 | RR | --- | 1.3 | 33 | 0 | 1.0 | 3050 | 48.0 |
| DC | IVL | ORG-B | S.States | RT4777N | RR | --- | 1.3 | 39 | 0 | 1.0 | 3052 | 47.4 |
| DC | IVL | ORG-B | Progeny | P4906RR | RR | --- | 1.0 | 37 | 1 | 1.0 | 3454 | 47.2 |
| DC | IVL | ORG-B | S.States | RT4996N-STS | RR/STS | --- | 1.7 | 35 | 0 | 1.0 | 3195 | 46.9 |
| DC | IVL | ORG-B | DeltaKing | DK4968 | RR | --- | 1.2 | 36 | 0 | 1.0 | 3079 | 46.1 |
| DC | IVL | ORG-B | DeltaKing | DK4770 | RR | --- | 1.3 | 33 | 0 | 1.3 | 3291 | 45.7 |
| DC | IVL | ORG-B | S.States | RT4808N-STS | RR/STS | --- | 1.7 | 33 | 0 | 1.0 | 3105 | 45.2 |
| DC | IVL | ORG-B | Progeny | P4807RR | RR | --- | 1.0 | 38 | 0 | 1.0 | 2972 | 43.6 |
| DC | IVL | ORG-B | USG | 74T98 | RR | --- | 4.0 | 36 | 0 | 1.0 | 3184 | 43.2 |
| DC | IVL | ORG-B | USG | 74A91 | RR | --- | 1.7 | 31 | 0 | 1.0 | 3445 | 39.9 |
| | | | | | Average | --- | 1.5 | 35 | 0 | 1.0 | 3137 | 49.5 |
| | | | | | R2 | --- | 0.68 | 0.63 | 0.44 | 0.33 | 0.84 | 0.54 |
| | | | | | CV | --- | 41.3 | 10.5 | 197.1 | 20.0 | 4.0 | 11.1 |
| | | | | | LSD (0.10)* | --- | 1.2 | 2.5 | 3.2 | 3.9 | 193.9 | 11.6 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVL | ORG-W | Progeny | P4949RR | RR | --- | 1.3 | 38 | 0 | 2.3 | 2627 | 52.1 |
| DC | IVL | ORG-W | Progeny | P4706RR | RR | --- | 1.3 | 38 | 0 | 1.7 | 3170 | 50.0 |
| DC | IVL | ORG-W | S.States | RT4777N | RR | --- | 1.2 | 37 | 0 | 1.7 | 3081 | 49.3 |
| DC | IVL | ORG-W | Progeny | P4906RR | RR | --- | 1.2 | 35 | 0 | 1.3 | 3112 | 49.1 |
| DC | IVL | ORG-W | S.States | RT4996N-STS | RR/STS | --- | 1.0 | 33 | 0 | 1.0 | 3109 | 47.9 |
| DC | IVL | ORG-W | Progeny | P4606RR | RR/STS | --- | 1.0 | 35 | 0 | 1.3 | 3044 | 47.3 |
| DC | IVL | ORG-W | S.States | RT4808N-STS | RR/STS | --- | 1.0 | 39 | 0 | 1.0 | 3083 | 46.3 |
| DC | IVL | ORG-W | Dyna-Gro | V49N6RR | RR | --- | 1.7 | 39 | 0 | 1.0 | 2921 | 46.2 |
| DC | IVL | ORG-W | Asgrow | AG4903 | RR/STS | --- | 1.0 | 35 | 0 | 1.3 | 3081 | 45.3 |
| DC | IVL | ORG-W | Asgrow | AG4907 | RR | --- | 1.7 | 39 | 0 | 1.3 | 3052 | 44.9 |
| DC | IVL | ORG-W | Dyna-Gro | 32P48 | RR | --- | 1.0 | 35 | 0 | 2.0 | 2872 | 44.3 |
| DC | IVL | ORG-W | Progeny | P4807RR | RR | --- | 1.0 | 35 | 0 | 2.0 | 3074 | 43.0 |
| DC | IVL | ORG-W | Progeny | P4908RR | RR | --- | 1.3 | 36 | 0 | 1.7 | 2955 | 41.5 |
| | | | | | Average | --- | 1.2 | 37 | 0 | 1.5 | 3014 | 46.7 |
| | | | | | R2 | --- | 0.50 | 0.66 | --- | 0.64 | 0.84 | 0.38 |
| | | | | | CV | --- | 26.1 | 6.6 | --- | 26.7 | 3.6 | 10.9 |
| | | | | | LSD (0.10)* | --- | 2.8 | 4.5 | 0.0 | 0.8 | 170.9 | 14.2 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | IVL | PTR | USG | 74A79 | RR2Y | --- | 1.5 | 41 | 0 | 1.7 | 2917 | 78.7 |
| FS | IVL | PTR | Pioneer | 94Y80 | RR | --- | 1.8 | 39 | 1 | 1.3 | 2932 | 75.7 |
| FS | IVL | PTR | Asgrow | AG4907 | RR | --- | 1.7 | 41 | 0 | 1.0 | 3567 | 72.6 |
| FS | IVL | PTR | Public | UA4805 | CONV | --- | 1.7 | 39 | 0 | 1.0 | 3736 | 71.6 |
| FS | IVL | PTR | USG | 74G99 | LL | --- | 1.0 | 38 | 0 | 1.7 | 3567 | 68.9 |
| FS | IVL | PTR | Progeny | P4706RR | RR | --- | 2.7 | 43 | 1 | 2.3 | 3111 | 66.7 |
| FS | IVL | PTR | Virginia | V03-4660 | CONV | --- | 1.8 | 36 | 0 | 1.0 | 3298 | 64.8 |
| FS | IVL | PTR | Progeny | P4807RR | RR | --- | 1.5 | 40 | 0 | 1.3 | 3333 | 64.8 |
| FS | IVL | PTR | Progeny | P4606RR | RR/STS | --- | 1.0 | 29 | 1 | 2.0 | 3297 | 64.2 |
| FS | IVL | PTR | Progeny | P4908RR | RR | --- | 1.2 | 39 | 0 | 1.0 | 3490 | 64.0 |
| FS | IVL | PTR | Asgrow | AG4903 | RR/STS | --- | 1.8 | 41 | 0 | 1.0 | 3304 | 64.0 |
| FS | IVL | PTR | DeltaKing | DK4968 | RR | --- | 1.8 | 41 | 0 | 1.7 | 3705 | 63.5 |
| FS | IVL | PTR | USG | 74G78 | RR/STS | --- | 1.3 | 39 | 1 | 1.7 | 3370 | 63.1 |
| FS | IVL | PTR | USG | 7495nRS | RR/STS | --- | 1.5 | 39 | 0 | 1.3 | 3209 | 61.7 |
| FS | IVL | PTR | Trisoy | 4788RR(CN) | RR/STS | --- | 1.0 | 37 | 0 | 2.0 | 3397 | 61.7 |
| FS | IVL | PTR | USG | 74A91 | RR | --- | 1.5 | 39 | 1 | 1.3 | 3486 | 60.6 |
| FS | IVL | PTR | NK | S47-D9 | RR | --- | 1.3 | 37 | 0 | 1.0 | 3594 | 60.5 |
| FS | IVL | PTR | Progeny | P4906RR | RR | --- | 1.7 | 40 | 0 | 1.3 | 3431 | 60.3 |
| FS | IVL | PTR | Trisoy | 4984RR(CN) | RR | --- | 1.5 | 37 | 0 | 1.7 | 3552 | 60.2 |
| FS | IVL | PTR | USG | 74A88 | RR | --- | 1.5 | 39 | 1 | 2.0 | 3355 | 59.7 |
| FS | IVL | PTR | Dyna-Gro | V49N6RR | RR | --- | 2.8 | 44 | 0 | 1.7 | 3186 | 58.8 |
| FS | IVL | PTR | USG | 74T98 | RR | --- | 2.2 | 39 | 1 | 1.0 | 3687 | 58.5 |
| FS | IVL | PTR | USG | 74F96 | RR | --- | 1.8 | 41 | 0 | 1.7 | 3372 | 58.2 |
| FS | IVL | PTR | USG | 74E88 | RR/STS | --- | 1.5 | 35 | 1 | 1.7 | 3618 | 58.2 |
| FS | IVL | PTR | Progeny | P4949RR | RR | --- | 1.0 | 37 | 3 | 1.7 | 2844 | 58.1 |
| FS | IVL | PTR | NK | S48-C9 | RR | --- | 1.0 | 35 | 2 | 1.3 | 3753 | 57.4 |
| FS | IVL | PTR | Dyna-Gro | SX09448 | RR | --- | 1.0 | 36 | 2 | 1.3 | 3317 | 57.4 |
| FS | IVL | PTR | Dyna-Gro | 32P48 | RR | --- | 1.0 | 38 | 0 | 1.7 | 3551 | 56.5 |
| FS | IVL | PTR | Virginia | V04-0867 | CONV | --- | 1.3 | 36 | 0 | 1.3 | 3617 | 54.9 |
| | | | | Average | | --- | 1.5 | 38 | 1 | 1.5 | 3400 | 62.9 |
| | | | | R2 | | --- | 0.62 | 0.57 | 0.68 | 0.46 | 0.81 | 0.57 |
| | | | | CV | | --- | 30.0 | 8.9 | 116.1 | 33.6 | 4.2 | 9.9 |
| | | | | LSD (0.10)* | | --- | 0.8 | 7.1 | 1.1 | 1.2 | 221.1 | 11.9 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVL | PTR | S.States | RT4996N-STS | RR/STS | --- | 2.0 | 29 | 2 | 2.0 | 2910 | 56.9 |
| DC | IVL | PTR | Progeny | P4807RR | RR | --- | 1.0 | 28 | 2 | 2.7 | 2976 | 55.5 |
| DC | IVL | PTR | DeltaKing | DK4770 | RR | --- | 1.8 | 29 | 2 | 4.0 | 3080 | 55.4 |
| DC | IVL | PTR | DeltaKing | DK4968 | RR | --- | 1.7 | 30 | 2 | 3.7 | 2876 | 55.0 |
| DC | IVL | PTR | S.States | LL499N | LL | --- | 1.0 | 29 | 2 | 2.3 | 2922 | 54.3 |
| DC | IVL | PTR | Dyna-Gro | V49N6RR | RR | --- | 2.3 | 29 | 4 | 3.3 | 2882 | 54.1 |
| DC | IVL | PTR | USG | 7495nRS | RR/STS | --- | 3.0 | 31 | 1 | 2.3 | 2820 | 53.7 |
| DC | IVL | PTR | USG | 74G78 | RR/STS | --- | 1.0 | 27 | 2 | 2.7 | 3023 | 53.7 |
| DC | IVL | PTR | USG | 74F96 | RR | --- | 1.7 | 26 | 2 | 2.7 | 2815 | 52.3 |
| DC | IVL | PTR | Virginia | V03-4660 | CONV | --- | 2.7 | 26 | 1 | 2.0 | 2963 | 51.7 |
| DC | IVL | PTR | NK | S48-C9 | RR | --- | 1.0 | 25 | 4 | 2.7 | 2939 | 51.4 |
| DC | IVL | PTR | Progeny | P4949RR | RR | --- | 2.0 | 29 | 2 | 3.0 | 2567 | 50.9 |
| DC | IVL | PTR | Progeny | P4606RR | RR/STS | --- | 1.0 | 25 | 2 | 3.0 | 2919 | 50.5 |
| DC | IVL | PTR | Asgrow | AG4907 | RR | --- | 1.0 | 28 | 1 | 2.7 | 3058 | 50.2 |
| DC | IVL | PTR | Progeny | P4706RR | RR | --- | 2.2 | 30 | 1 | 3.3 | 2968 | 48.5 |
| DC | IVL | PTR | Progeny | P4906RR | RR | --- | 2.2 | 31 | 3 | 2.3 | 3047 | 48.5 |
| DC | IVL | PTR | Progeny | P4908RR | RR | --- | 1.7 | 26 | 2 | 2.7 | 2821 | 47.8 |
| DC | IVL | PTR | USG | 74A91 | RR | --- | 1.0 | 29 | 0 | 2.0 | 2881 | 46.1 |
| DC | IVL | PTR | USG | 74T98 | RR | --- | 3.3 | 30 | 1 | 2.3 | 3134 | 45.9 |
| DC | IVL | PTR | USG | 74E88 | RR/STS | --- | 1.3 | 30 | 1 | 2.7 | 3120 | 45.3 |
| DC | IVL | PTR | USG | 74A88 | RR | --- | 1.3 | 29 | 2 | 4.0 | 2810 | 44.7 |
| DC | IVL | PTR | Virginia | V04-0867 | CONV | --- | 1.7 | 32 | 0 | 3.7 | 2940 | 43.5 |
| DC | IVL | PTR | Dyna-Gro | 32P48 | RR | --- | 1.3 | 29 | 4 | 4.0 | 2719 | 42.2 |
| | | | | Average | | --- | 1.7 | 29 | 2 | 2.9 | 2921 | 50.3 |
| | | | | R2 | | --- | 0.70 | 0.64 | 0.60 | 0.69 | 0.83 | 0.40 |
| | | | | CV | | --- | 34.3 | 9.0 | 61.5 | 19.4 | 3.4 | 12.6 |
| | | | | LSD (0.10)* | | --- | 1.0 | 2.3 | 2.3 | 1.0 | 154.1 | 16.9 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | IVL | SUF | S.States | LL499N | LL | 10-Oct-09 | 1.0 | 36 | 1 | 1.3 | 3477 | 74.1 |
| FS | IVL | SUF | USG | 74A91 | RR | 3-Oct-09 | 1.0 | 33 | 1 | 1.3 | 3299 | 70.9 |
| FS | IVL | SUF | USG | 74T98 | RR | 8-Oct-09 | 1.0 | 32 | 0 | 1.0 | 3646 | 69.4 |
| FS | IVL | SUF | Dyna-Gro | V49N6RR | RR | 4-Oct-09 | 1.0 | 37 | 3 | 1.7 | 3149 | 68.6 |
| FS | IVL | SUF | USG | 74G99 | LL | 12-Oct-09 | 1.0 | 43 | 1 | 1.0 | 3132 | 65.5 |
| FS | IVL | SUF | Progeny | P4606RR | RR/STS | 4-Oct-09 | 1.0 | 27 | 1 | 2.0 | 3077 | 64.9 |
| FS | IVL | SUF | Asgrow | AG4903 | RR/STS | 4-Oct-09 | 1.7 | 32 | 1 | 1.0 | 3089 | 64.8 |
| FS | IVL | SUF | Virginia | V03-4660 | CONV | 12-Oct-09 | 1.0 | 30 | 1 | 1.0 | 3436 | 64.3 |
| FS | IVL | SUF | S.States | RT4808N-STS | RR/STS | 6-Oct-09 | 1.0 | 29 | 1 | 1.7 | 3163 | 64.0 |
| FS | IVL | SUF | S.States | RT4996N-STS | RR/STS | 4-Oct-09 | 1.2 | 36 | 1 | 2.0 | 2995 | 63.1 |
| FS | IVL | SUF | Progeny | P4908RR | RR | 6-Oct-09 | 1.2 | 35 | 2 | 1.0 | 3206 | 62.6 |
| FS | IVL | SUF | Public | UA4805 | CONV | 6-Oct-09 | 1.0 | 28 | 1 | 1.0 | 3800 | 62.4 |
| FS | IVL | SUF | Progeny | P4807RR | RR | 3-Oct-09 | 1.2 | 33 | 2 | 1.7 | 3075 | 61.7 |
| FS | IVL | SUF | Pioneer | 94Y80 | RR | 4-Oct-09 | 1.7 | 33 | 3 | 2.0 | 2896 | 61.6 |
| FS | IVL | SUF | USG | 7495nRS | RR/STS | 6-Oct-09 | 1.3 | 29 | 2 | 2.0 | 3029 | 61.6 |
| FS | IVL | SUF | Progeny | P4906RR | RR | 3-Oct-09 | 1.0 | 34 | 1 | 1.7 | 3294 | 61.1 |
| FS | IVL | SUF | USG | 74F96 | RR | 7-Oct-09 | 1.0 | 37 | 1 | 1.0 | 3107 | 61.0 |
| FS | IVL | SUF | NK | S48-C9 | RR | 4-Oct-09 | 1.0 | 30 | 5 | 1.7 | 3427 | 60.3 |
| FS | IVL | SUF | Virginia | V04-0867 | CONV | 4-Oct-09 | 1.2 | 29 | 1 | 1.7 | 3323 | 59.6 |
| FS | IVL | SUF | Dyna-Gro | SX09448 | RR | 3-Oct-09 | 1.3 | 34 | 2 | 1.0 | 3307 | 58.8 |
| FS | IVL | SUF | Progeny | P4949RR | RR | 4-Oct-09 | 1.0 | 34 | 9 | 2.0 | 2656 | 58.7 |
| FS | IVL | SUF | USG | 74G78 | RR/STS | 6-Oct-09 | 1.0 | 29 | 1 | 2.3 | 3048 | 57.5 |
| FS | IVL | SUF | USG | 74A79 | RR2Y | 4-Oct-09 | 1.0 | 29 | 5 | 1.7 | 2899 | 57.3 |
| FS | IVL | SUF | S.States | RT4777N | RR | 4-Oct-09 | 1.3 | 35 | 3 | 2.0 | 3082 | 57.3 |
| FS | IVL | SUF | Asgrow | AG4907 | RR | 4-Oct-09 | 1.0 | 31 | 1 | 1.7 | 3324 | 57.1 |
| FS | IVL | SUF | Trisoy | 4984RR(CN) | RR | 2-Oct-09 | 1.0 | 31 | 2 | 2.0 | 3238 | 55.7 |
| FS | IVL | SUF | Dyna-Gro | 32P48 | RR | 3-Oct-09 | 1.0 | 31 | 2 | 2.0 | 3239 | 55.4 |
| FS | IVL | SUF | Progeny | P4706RR | RR | 6-Oct-09 | 1.5 | 32 | 2 | 2.0 | 3167 | 54.0 |
| FS | IVL | SUF | DeltaKing | DK4968 | RR | 4-Oct-09 | 1.0 | 31 | 2 | 1.3 | 3481 | 52.9 |
| FS | IVL | SUF | USG | 74A88 | RR | 4-Oct-09 | 1.0 | 32 | 1 | 2.0 | 3315 | 51.9 |
| FS | IVL | SUF | NK | S47-D9 | RR | 6-Oct-09 | 1.0 | 28 | 5 | 1.7 | 3284 | 49.3 |
| FS | IVL | SUF | USG | 74E88 | RR/STS | 2-Oct-09 | 1.0 | 27 | 2 | 2.0 | 3512 | 42.2 |
| FS | IVL | SUF | Trisoy | 4788RR(CN) | RR/STS | 4-Oct-09 | 1.0 | 26 | 1 | 2.3 | 3519 | 40.6 |
| | | | | Average | | 5-Oct-09 | 1.1 | 32 | 2 | 1.6 | 3233 | 59.7 |
| | | | | R2 | | 0.64 | 0.34 | 0.65 | 0.54 | 0.62 | 0.86 | 0.61 |
| | | | | CV | | 0.8 | 103.8 | 10.3 | 76.4 | 25.6 | 3.6 | 12.4 |
| | | | | LSD (0.10)* | | 3.8 | 4.4 | 5.7 | 3.0 | 0.7 | 174.8 | 13.6 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVL | SUF | DeltaKing | DK4770 | RR | 26-Oct-09 | 2.5 | 44 | 0 | 2.7 | 2776 | 71.5 |
| DC | IVL | SUF | USG | 74A91 | RR | 26-Oct-09 | 1.0 | 38 | 0 | 1.3 | 2627 | 69.4 |
| DC | IVL | SUF | USG | 74A88 | RR | 26-Oct-09 | 1.2 | 39 | 0 | 3.0 | 2600 | 69.3 |
| DC | IVL | SUF | USG | 7495nRS | RR/STS | 26-Oct-09 | 2.0 | 35 | 0 | 1.7 | 2491 | 68.6 |
| DC | IVL | SUF | USG | 74F96 | RR | 26-Oct-09 | 1.8 | 35 | 0 | 1.7 | 2688 | 67.6 |
| DC | IVL | SUF | S.States | RT4777N | RR | 26-Oct-09 | 1.7 | 41 | 0 | 2.0 | 2595 | 66.5 |
| DC | IVL | SUF | Dyna-Gro | V49N6RR | RR | 26-Oct-09 | 2.5 | 41 | 0 | 2.0 | 2656 | 65.7 |
| DC | IVL | SUF | Progeny | P4606RR | RR/STS | 26-Oct-09 | 1.0 | 32 | 0 | 2.0 | 2679 | 65.6 |
| DC | IVL | SUF | Dyna-Gro | 32P48 | RR | 26-Oct-09 | 1.2 | 38 | 0 | 3.0 | 2543 | 65.6 |
| DC | IVL | SUF | Progeny | P4906RR | RR | 26-Oct-09 | 1.5 | 37 | 0 | 1.0 | 2736 | 64.6 |
| DC | IVL | SUF | Asgrow | AG4907 | RR | 26-Oct-09 | 1.7 | 42 | 0 | 1.7 | 2782 | 64.4 |
| DC | IVL | SUF | S.States | RT4996N-STS | RR/STS | 26-Oct-09 | 2.3 | 41 | 0 | 1.7 | 2651 | 64.4 |
| DC | IVL | SUF | NK | S48-C9 | RR | 26-Oct-09 | 1.3 | 39 | 0 | 1.0 | 2805 | 64.3 |
| DC | IVL | SUF | S.States | LL499N | LL | 26-Oct-09 | 1.0 | 39 | 0 | 1.7 | 2641 | 64.1 |
| DC | IVL | SUF | USG | 74G78 | RR/STS | 26-Oct-09 | 1.0 | 33 | 0 | 2.0 | 2754 | 64.0 |
| DC | IVL | SUF | Pioneer | 94Y70 | RR | 26-Oct-09 | 2.3 | 36 | 0 | 1.3 | 2481 | 63.5 |
| DC | IVL | SUF | Progeny | P4949RR | RR | 26-Oct-09 | 1.8 | 41 | 0 | 2.0 | 2423 | 62.5 |
| DC | IVL | SUF | DeltaKing | DK4968 | RR | 26-Oct-09 | 2.2 | 41 | 0 | 2.0 | 2889 | 60.8 |
| DC | IVL | SUF | S.States | RT4808N-STS | RR/STS | 26-Oct-09 | 1.3 | 39 | 0 | 2.0 | 2529 | 59.5 |
| DC | IVL | SUF | USG | 74T98 | RR | 26-Oct-09 | 5.0 | 41 | 0 | 2.0 | 2985 | 57.5 |
| DC | IVL | SUF | Progeny | P4908RR | RR | 26-Oct-09 | 1.0 | 37 | 0 | 1.0 | 2536 | 57.2 |
| DC | IVL | SUF | Virginia | V04-0867 | CONV | 26-Oct-09 | 2.5 | 38 | 0 | 1.7 | 2839 | 56.9 |
| DC | IVL | SUF | USG | 74E88 | RR/STS | 26-Oct-09 | 1.2 | 39 | 0 | 2.0 | 2835 | 56.5 |
| DC | IVL | SUF | Progeny | P4706RR | RR | 26-Oct-09 | 3.7 | 42 | 0 | 2.3 | 2720 | 55.5 |
| DC | IVL | SUF | Virginia | V03-4660 | CONV | 26-Oct-09 | 3.8 | 35 | 0 | 1.3 | 2978 | 53.3 |
| DC | IVL | SUF | Progeny | P4807RR | RR | 26-Oct-09 | 1.2 | 37 | 0 | 2.0 | 2704 | 52.7 |
| | | | | Average | | 26-Oct-09 | 1.9 | 38 | 0 | 1.8 | 2690 | 62.8 |
| | | | | R2 | | --- | 0.82 | 0.77 | 0.32 | 0.79 | 0.92 | 0.56 |
| | | | | CV | | --- | 29.9 | 6.3 | 391.8 | 18.6 | 2.8 | 9.7 |
| | | | | LSD (0.10)* | | 0.0 | 0.9 | 3.9 | 0.9 | 0.5 | 111.7 | 12.7 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height In. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | IVL | WAR | S.States | LL499N | LL | 29-Sep-09 | 2.0 | 35 | --- | 1.6 | --- | 70.2 |
| FS | IVL | WAR | USG | 74A79 | RR2Y | 1-Oct-09 | 2.1 | 35 | --- | 1.6 | --- | 69.6 |
| FS | IVL | WAR | S.States | RT4996N-STS | RR/STS | 2-Oct-09 | 1.8 | 36 | --- | 1.8 | --- | 68.9 |
| FS | IVL | WAR | Asgrow | AG4907 | RR | 2-Oct-09 | 1.6 | 33 | --- | 1.7 | --- | 68.6 |
| FS | IVL | WAR | DeltaKing | DK4968 | RR | 1-Oct-09 | 1.5 | 36 | --- | 2.1 | --- | 68.0 |
| FS | IVL | WAR | S.States | RT4777N | RR | 4-Oct-09 | 1.4 | 37 | --- | 1.8 | --- | 65.5 |
| FS | IVL | WAR | NK | S47-D9 | RR | 30-Sep-09 | 2.1 | 35 | --- | 1.8 | --- | 65.4 |
| FS | IVL | WAR | Progeny | P4949RR | RR | 1-Oct-09 | 1.8 | 37 | --- | 1.8 | --- | 65.3 |
| FS | IVL | WAR | USG | 74G99 | LL | 4-Oct-09 | 1.4 | 38 | --- | 1.8 | --- | 64.4 |
| FS | IVL | WAR | USG | 74A91 | RR | 4-Oct-09 | 1.9 | 35 | --- | 1.9 | --- | 64.2 |
| FS | IVL | WAR | Asgrow | AG4903 | RR/STS | 3-Oct-09 | 1.6 | 28 | --- | 1.2 | --- | 62.0 |
| FS | IVL | WAR | USG | 74G78 | RR/STS | 25-Sep-09 | 1.6 | 28 | --- | 2.2 | --- | 61.9 |
| FS | IVL | WAR | USG | 74A88 | RR | 28-Sep-09 | 2.0 | 33 | --- | 2.1 | --- | 61.5 |
| FS | IVL | WAR | Progeny | P4606RR | RR/STS | 25-Sep-09 | 1.3 | 28 | --- | 2.8 | --- | 60.7 |
| FS | IVL | WAR | Dyna-Gro | 32P48 | RR | 25-Sep-09 | 1.9 | 34 | --- | 1.5 | --- | 60.2 |
| FS | IVL | WAR | Dyna-Gro | SX09448 | RR | 26-Sep-09 | 1.8 | 35 | --- | 2.3 | --- | 60.2 |
| FS | IVL | WAR | Virginia | V03-4660 | CONV | 2-Oct-09 | 1.7 | 29 | --- | 1.5 | --- | 59.7 |
| FS | IVL | WAR | USG | 74T98 | RR | 5-Oct-09 | 1.7 | 31 | --- | 1.3 | --- | 59.6 |
| FS | IVL | WAR | USG | 74F96 | RR | 25-Sep-09 | 1.1 | 27 | --- | 2.3 | --- | 59.3 |
| FS | IVL | WAR | Progeny | P4908RR | RR | 27-Sep-09 | 1.4 | 30 | --- | 1.7 | --- | 58.3 |
| FS | IVL | WAR | Public | UA4805 | CONV | 29-Sep-09 | 1.6 | 34 | --- | 2.7 | --- | 57.1 |
| FS | IVL | WAR | Virginia | V04-0867 | CONV | 1-Oct-09 | 1.2 | 28 | --- | 1.4 | --- | 55.7 |
| FS | IVL | WAR | Trisoy | 4788RR(CN) | RR/STS | 22-Sep-09 | 1.1 | 29 | --- | 1.8 | --- | 55.3 |
| FS | IVL | WAR | Dyna-Gro | V49N6RR | RR | 26-Sep-09 | 1.6 | 33 | --- | 1.9 | --- | 54.9 |
| FS | IVL | WAR | Progeny | P4706RR | RR | 24-Sep-09 | 1.0 | 26 | --- | 2.0 | --- | 53.6 |
| FS | IVL | WAR | USG | 7495nRS | RR/STS | 24-Sep-09 | 1.3 | 31 | --- | 1.9 | --- | 53.1 |
| FS | IVL | WAR | Progeny | P4807RR | RR | 21-Sep-09 | 1.7 | 31 | --- | 2.3 | --- | 52.7 |
| FS | IVL | WAR | USG | 74E88 | RR/STS | 24-Sep-09 | 1.3 | 33 | --- | 2.4 | --- | 51.9 |
| FS | IVL | WAR | Trisoy | 4984RR(CN) | RR | 24-Sep-09 | 1.4 | 33 | --- | 2.5 | --- | 51.8 |
| FS | IVL | WAR | S.States | RT4808N-STS | RR/STS | 26-Sep-09 | 1.9 | 34 | --- | 2.3 | --- | 51.0 |
| FS | IVL | WAR | NK | S48-C9 | RR | 28-Sep-09 | 1.0 | 27 | --- | 2.4 | --- | 50.0 |
| FS | IVL | WAR | Progeny | P4906RR | RR | 24-Sep-09 | 1.3 | 32 | --- | 2.4 | --- | 48.2 |
| | | | | Average | | 28-Sep-09 | 1.6 | 32 | --- | 2.0 | --- | 59.6 |
| | | | | R2 | | 0.87 | 0.69 | 0.76 | --- | 0.50 | --- | 0.37 |
| | | | | CV | | 0.7 | 16.5 | 6.9 | --- | 24.8 | --- | 16.4 |
| | | | | LSD (0.10)* | | 2.7 | 0.4 | 3.5 | --- | 1.0 | --- | 28.3 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height In. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|-----|----------|-----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | IVL | WAR | Progeny | P4706RR | RR | 26-Oct-09 | 1.5 | 29 | --- | 1.9 | --- | 84.0 |
| DC | IVL | WAR | DeltaKing | DK4770 | RR | 27-Oct-09 | 1.1 | 30 | --- | 1.8 | --- | 82.0 |
| DC | IVL | WAR | Progeny | P4906RR | RR | 28-Oct-09 | 1.1 | 32 | --- | 1.5 | --- | 80.5 |
| DC | IVL | WAR | S.States | RT4996N-STS | RR/STS | 31-Oct-09 | 1.5 | 29 | --- | 2.1 | --- | 80.2 |
| DC | IVL | WAR | USG | 7495nRS | RR/STS | 29-Oct-09 | 1.5 | 31 | --- | 1.8 | --- | 79.6 |
| DC | IVL | WAR | USG | 74A91 | RR | 29-Oct-09 | 1.2 | 28 | --- | 2.0 | --- | 78.3 |
| DC | IVL | WAR | Dyna-Gro | V49N6RR | RR | 31-Oct-09 | 1.2 | 30 | --- | 2.2 | --- | 75.3 |
| DC | IVL | WAR | USG | 74G78 | RR/STS | 28-Oct-09 | 1.0 | 25 | --- | 2.0 | --- | 74.9 |
| DC | IVL | WAR | S.States | LL499N | LL | 2-Nov-09 | 1.1 | 30 | --- | 2.1 | --- | 72.2 |
| DC | IVL | WAR | Virginia | V03-4660 | CONV | 1-Nov-09 | 1.6 | 28 | --- | 2.2 | --- | 72.1 |
| DC | IVL | WAR | S.States | RT4808N-STS | RR/STS | 29-Oct-09 | 1.3 | 29 | --- | 2.8 | --- | 71.9 |
| DC | IVL | WAR | Progeny | P4606RR | RR/STS | 28-Oct-09 | 1.1 | 25 | --- | 2.3 | --- | 71.7 |
| DC | IVL | WAR | Progeny | P4908RR | RR | 30-Oct-09 | 1.3 | 28 | --- | 2.1 | --- | 70.2 |
| DC | IVL | WAR | Progeny | P4949RR | RR | 28-Oct-09 | 1.1 | 32 | --- | 2.1 | --- | 70.0 |
| DC | IVL | WAR | USG | 74T98 | RR | 4-Nov-09 | 1.3 | 26 | --- | 2.2 | --- | 68.2 |
| DC | IVL | WAR | USG | 74F96 | RR | 1-Nov-09 | 1.4 | 27 | --- | 2.4 | --- | 67.0 |
| DC | IVL | WAR | Progeny | P4807RR | RR | 27-Oct-09 | 1.1 | 29 | --- | 1.8 | --- | 66.1 |
| DC | IVL | WAR | Pioneer | 94Y70 | RR | 30-Oct-09 | 1.3 | 30 | --- | 2.3 | --- | 65.5 |
| DC | IVL | WAR | NK | S48-C9 | RR | 30-Oct-09 | 1.3 | 30 | --- | 2.5 | --- | 64.2 |
| DC | IVL | WAR | Virginia | V04-0867 | CONV | 26-Oct-09 | 1.3 | 30 | --- | 2.0 | --- | 64.0 |
| DC | IVL | WAR | Dyna-Gro | 32P48 | RR | 29-Oct-09 | 1.1 | 30 | --- | 3.1 | --- | 60.3 |
| DC | IVL | WAR | USG | 74E88 | RR/STS | 26-Oct-09 | 1.3 | 29 | --- | 1.7 | --- | 59.8 |
| DC | IVL | WAR | USG | 74A88 | RR | 30-Oct-09 | 1.1 | 31 | --- | 2.8 | --- | 59.2 |
| DC | IVL | WAR | S.States | RT4777N | RR | 27-Oct-09 | 1.2 | 31 | --- | 2.0 | --- | 49.6 |
| | | | | Average | | 29-Oct-09 | 1.3 | 29 | --- | 2.2 | --- | 70.3 |
| | | | | R2 | | 0.93 | 0.68 | 0.79 | --- | 0.82 | --- | 0.80 |
| | | | | CV | | 0.3 | 10.9 | 6.0 | --- | 10.0 | --- | 8.9 |
| | | | | LSD (0.10)* | | 1.2 | 0.2 | 2.8 | --- | 1.9 | --- | 10.2 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|--------------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | V | BLK | Progeny | P5706RR | RR | --- | --- | --- | 6 | 2.3 | 2616 | 30.5 |
| FS | V | BLK | S.States | RT5450N-STS | RR/STS | --- | 1 | 29 | 12 | 3.7 | 2698 | 29.3 |
| FS | V | BLK | Progeny | P5319RR | RR | --- | --- | --- | 11 | 3.5 | 2575 | 29.2 |
| FS | V | BLK | Public | Osage | CONV | --- | --- | --- | 13 | 3.3 | 3054 | 27.3 |
| FS | V | BLK | S.States | LL511N | LL | --- | --- | --- | 12 | 3.3 | 3081 | 27.2 |
| FS | V | BLK | USG | 75M16 | RR/STS | --- | 1 | 34 | 8 | 2.3 | 2912 | 26.9 |
| FS | V | BLK | S.States | RT5760N | RR | --- | --- | --- | 7 | 2.7 | 2708 | 26.5 |
| FS | V | BLK | NK | S51-T8 | RR | --- | 1 | 28 | 14 | 4.7 | 3216 | 26.1 |
| FS | V | BLK | Virginia | V04-1022 | CONV | --- | --- | --- | 14 | 3.3 | 2912 | 25.9 |
| FS | V | BLK | Arkansas | R04-357 | CONV | --- | --- | --- | 11 | 3.5 | 2902 | 25.7 |
| FS | V | BLK | Public | Glenn | CONV | --- | 1 | 30 | 4 | 4.0 | 3198 | 25.4 |
| FS | V | BLK | S.States | RT5471N-STS | RR/STS | --- | --- | --- | 10 | 2.0 | 2543 | 25.2 |
| FS | V | BLK | Virginia | V03-4705 | CONV | --- | --- | --- | 12 | 3.5 | 2743 | 25.2 |
| FS | V | BLK | Progeny | P5622RR | RR | --- | --- | --- | 9 | 3.0 | 3543 | 25.0 |
| FS | V | BLK | Virginia | V03-3650 | RR | --- | --- | --- | 12 | 3.0 | 2743 | 24.7 |
| FS | V | BLK | Pioneer | 95Y70 | RR/STS | --- | --- | --- | 9 | 2.3 | 2659 | 24.0 |
| FS | V | BLK | Progeny | P5218RR | RR | --- | --- | --- | 8 | 3.5 | 2495 | 23.1 |
| FS | V | BLK | Progeny | P5650RR | RR | --- | --- | --- | 8 | 2.3 | 2856 | 23.1 |
| FS | V | BLK | Public | Ozark | CONV | --- | --- | --- | 4 | 3.3 | 3229 | 23.1 |
| FS | V | BLK | Excel | 8560NNRR | RR | --- | --- | --- | 7 | 2.7 | 2957 | 22.5 |
| FS | V | BLK | S.States | RT5160N-STS | RR/STS | --- | 1 | 32 | 15 | 3.2 | 2885 | 22.1 |
| FS | V | BLK | Stine | 58LA02 | LL | --- | --- | --- | 6 | 3.0 | 3667 | 21.5 |
| FS | V | BLK | Progeny | P5409RR | RR | --- | 1 | 35 | 10 | 5.0 | 3209 | 21.0 |
| FS | V | BLK | Progeny | P5115RR | RR | --- | 1 | 32 | 15 | 5.0 | 4090 | 19.6 |
| FS | V | BLK | Mid-Atlantic | MA5200RR | RR | --- | --- | --- | 14 | 3.5 | 3744 | 18.0 |
| Average | | | | | | --- | 1 | 31 | 10 | 3.3 | 3009 | 24.7 |
| R2 | | | | | | --- | --- | 0.88 | 0.54 | 0.80 | 0.58 | 0.44 |
| CV | | | | | | --- | --- | 4.7 | 43.0 | 15.6 | 13.6 | 17.7 |
| LSD (0.10)* | | | | | | --- | --- | 3.7 | 11.5 | 0.9 | 892.0 | 13.7 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | V | BLK | S.States | LL511N | LL | --- | --- | --- | 0 | 1.7 | 2794 | 62.0 |
| DC | V | BLK | Virginia | V03-3650 | RR | --- | --- | --- | 0 | 1.7 | 2953 | 58.3 |
| DC | V | BLK | Progeny | P5218RR | RR | --- | --- | --- | 0 | 1.7 | 2595 | 58.0 |
| DC | V | BLK | USG | 75Z98 | RR | --- | --- | --- | 1 | 2.0 | 2937 | 58.0 |
| DC | V | BLK | Progeny | P5622RR | RR | --- | --- | --- | 1 | 1.3 | 3117 | 56.5 |
| DC | V | BLK | S.States | RT5471N-STS | RR/STS | --- | --- | --- | 0 | 1.7 | 2889 | 56.4 |
| DC | V | BLK | S.States | RT5160N-STS | RR/STS | --- | --- | --- | 1 | 1.3 | 2777 | 56.2 |
| DC | V | BLK | Progeny | P5706RR | RR | --- | --- | --- | 0 | 1.3 | 3000 | 55.1 |
| DC | V | BLK | Public | Glenn | CONV | --- | --- | --- | 0 | 2.0 | 2927 | 54.3 |
| DC | V | BLK | USG | 75Z38 | RR | --- | --- | --- | 1 | 2.0 | 2660 | 54.0 |
| DC | V | BLK | Asgrow | AG5503 | RR | --- | --- | --- | 0 | 2.0 | 2677 | 53.8 |
| DC | V | BLK | Asgrow | AG5606 | RR | --- | --- | --- | 0 | 2.0 | 2780 | 52.5 |
| DC | V | BLK | USG | 75M16 | RR/STS | --- | --- | --- | 1 | 1.3 | 2846 | 52.5 |
| DC | V | BLK | S.States | RT5760N | RR | --- | --- | --- | 0 | 2.0 | 2774 | 52.4 |
| DC | V | BLK | Stine | 58LA02 | LL | --- | --- | --- | 0 | 3.7 | 3119 | 51.5 |
| DC | V | BLK | S.States | RT5450N-STS | RR/STS | --- | --- | --- | 0 | 1.0 | 2852 | 50.9 |
| DC | V | BLK | Virginia | V03-4705 | CONV | --- | --- | --- | 0 | 2.0 | 2772 | 49.9 |
| DC | V | BLK | Progeny | P5115RR | RR | --- | --- | --- | 0 | 1.0 | 2771 | 47.4 |
| DC | V | BLK | Progeny | P5319RR | RR | --- | --- | --- | 0 | 2.0 | 2805 | 47.3 |
| DC | V | BLK | Progeny | P5650RR | RR | --- | --- | --- | 0 | 1.7 | 3237 | 46.5 |
| DC | V | BLK | Progeny | P5409RR | RR | --- | --- | --- | 1 | 1.0 | 2682 | 46.0 |
| DC | V | BLK | Pioneer | 95Y70 | RR/STS | --- | --- | --- | 0 | 1.3 | 3160 | 46.0 |
| DC | V | BLK | Virginia | V04-1022 | CONV | --- | --- | --- | 0 | 1.0 | 2912 | 43.9 |
| Average | | | | | | --- | --- | --- | 0 | 1.7 | 2871 | 52.6 |
| R2 | | | | | | --- | --- | --- | 0.65 | 0.76 | 0.95 | 0.43 |
| CV | | | | | | --- | --- | --- | 127.5 | 22.7 | 2.2 | 12.8 |
| LSD (0.10)* | | | | | | --- | --- | --- | 0.8 | 0.6 | 93.6 | 17.1 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | V | ORG-W | Progeny | P5115RR | RR | --- | 1.0 | 40 | 0 | 1.0 | 2936 | 40.0 |
| DC | V | ORG-W | Progeny | P5409RR | RR | --- | 1.2 | 39 | 0 | 1.3 | 2886 | 31.8 |
| DC | V | ORG-W | S.States | RT5160N-STS | RR/STS | --- | 2.2 | 39 | 0 | 1.3 | 3086 | 31.6 |
| DC | V | ORG-W | Progeny | P5218RR | RR | --- | 4.8 | 45 | 0 | 2.3 | 2903 | 29.4 |
| DC | V | ORG-W | Progeny | P5622RR | RR | --- | 2.0 | 43 | 0 | 1.3 | 3600 | 28.4 |
| DC | V | ORG-W | Progeny | P5319RR | RR | --- | 4.0 | 46 | 0 | 1.7 | 2951 | 25.5 |
| DC | V | ORG-W | Progeny | P5706RR | RR | --- | 3.7 | 43 | 0 | 1.3 | 3674 | 22.5 |
| DC | V | ORG-W | Progeny | P5650RR | RR | --- | 3.7 | 45 | 0 | 1.3 | 4005 | 21.5 |
| Average | | | | | | --- | 2.8 | 43 | 0 | 1.5 | 3255 | 28.8 |
| R2 | | | | | | --- | 0.75 | 0.73 | --- | 0.49 | 0.92 | 0.81 |
| CV | | | | | | --- | 37.9 | 7.1 | --- | 37.0 | 5.5 | 12.6 |
| LSD (0.10)* | | | | | | --- | 1.9 | 5.5 | 0.0 | 1.2 | 293.6 | 6.3 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | V | PTR | S.States | LL511N | LL | --- | 2.2 | 33 | 0 | 2.3 | 3112 | 49.4 |
| FS | V | PTR | USG | 75M16 | RR/STS | --- | 2.3 | 37 | 1 | 2.3 | 3231 | 47.5 |
| FS | V | PTR | USG | 7515nRS | RR/STS | --- | 2.7 | 36 | 0 | 2.7 | 3092 | 46.9 |
| FS | V | PTR | Asgrow | AG5503 | RR | --- | 2.0 | 33 | 0 | 2.7 | 3169 | 46.6 |
| FS | V | PTR | Progeny | P5622RR | RR | --- | 2.7 | 39 | 1 | 2.3 | 3100 | 46.6 |
| FS | V | PTR | Virginia | V03-3650 | RR | --- | 3.0 | 36 | 0 | 2.3 | 3198 | 46.4 |
| FS | V | PTR | USG | 75Z98 | RR | --- | 2.3 | 36 | 1 | 2.3 | 2752 | 45.8 |
| FS | V | PTR | S.States | RT5471N-STS | RR/STS | --- | 2.7 | 37 | 0 | 1.7 | 3199 | 45.0 |
| FS | V | PTR | USG | 75Z38 | RR | --- | 4.0 | 34 | 0 | 2.7 | 3220 | 44.9 |
| FS | V | PTR | NK | S51-T8 | RR | --- | 2.0 | 39 | 0 | 3.3 | 3292 | 44.8 |
| FS | V | PTR | S.States | RT5450N-STS | RR/STS | --- | 2.7 | 37 | 0 | 2.0 | 2646 | 44.8 |
| FS | V | PTR | Public | Glenn | CONV | --- | 2.7 | 32 | 0 | 3.3 | 3240 | 44.8 |
| FS | V | PTR | Public | Osage | CONV | --- | 2.3 | 32 | 1 | 2.7 | 3355 | 44.7 |
| FS | V | PTR | Virginia | V03-4705 | CONV | --- | 3.3 | 33 | 0 | 2.0 | 3179 | 44.3 |
| FS | V | PTR | Trisoy | 5484RR(CN) | RR | --- | 3.3 | 37 | 1 | 3.0 | 3161 | 44.2 |
| FS | V | PTR | Progeny | P5409RR | RR | --- | 2.7 | 39 | 0 | 2.3 | 2872 | 44.1 |
| FS | V | PTR | Pioneer | 95Y70 | RR/STS | --- | 3.0 | 42 | 0 | 2.7 | 3132 | 43.3 |
| FS | V | PTR | Dyna-Gro | 32A53 | RR | --- | 3.3 | 37 | 0 | 3.0 | 2862 | 43.0 |
| FS | V | PTR | S.States | RT5760N | RR | --- | 2.7 | 38 | 0 | 2.0 | 2599 | 42.7 |
| FS | V | PTR | USG | 7553nRS | RR/STS | --- | 2.0 | 35 | 0 | 2.0 | 3693 | 42.6 |
| FS | V | PTR | S.States | RT5160N-STS | RR/STS | --- | 2.0 | 36 | 0 | 2.0 | 3118 | 42.0 |
| FS | V | PTR | Stine | 58LA02 | LL | --- | 2.0 | 33 | 0 | 4.0 | 3359 | 41.7 |
| FS | V | PTR | Progeny | P5706RR | RR | --- | 2.7 | 40 | 0 | 2.3 | 3267 | 41.5 |
| FS | V | PTR | Excel | 8560NNRR | RR | --- | 2.3 | 35 | 0 | 2.0 | 3341 | 41.5 |
| FS | V | PTR | Progeny | P5319RR | RR | --- | 3.0 | 41 | 1 | 3.3 | 2754 | 41.3 |
| FS | V | PTR | Virginia | V04-1022 | CONV | --- | 2.3 | 34 | 1 | 3.3 | 3183 | 41.1 |
| FS | V | PTR | Asgrow | AG5606 | RR | --- | 3.3 | 39 | 0 | 2.0 | 2652 | 40.9 |
| FS | V | PTR | Dyna-Gro | 33X55 | RR | --- | 2.0 | 35 | 0 | 2.0 | 2923 | 40.1 |
| FS | V | PTR | Asgrow | DP5915RR | RR | --- | 2.7 | 38 | 0 | 2.0 | 2943 | 39.7 |
| FS | V | PTR | USG | Allen | RR | --- | 2.0 | 41 | 3 | 2.0 | 3184 | 39.4 |
| FS | V | PTR | Arkansas | R04-357 | CONV | --- | 4.0 | 39 | 0 | 4.0 | 3422 | 39.3 |
| FS | V | PTR | USG | 5601T | CONV | --- | 2.0 | 35 | 0 | 3.0 | 3360 | 39.3 |
| FS | V | PTR | Public | Ozark | CONV | --- | 2.3 | 36 | 0 | 3.7 | 2725 | 39.1 |
| FS | V | PTR | Asgrow | AG5905 | RR | --- | 2.3 | 39 | 1 | 3.0 | 3333 | 38.9 |
| FS | V | PTR | Progeny | P5218RR | RR | --- | 3.0 | 33 | 1 | 2.0 | 2708 | 37.4 |
| FS | V | PTR | Trisoy | 5894RR(CN) | RR | --- | 3.0 | 39 | 1 | 2.3 | 3110 | 37.0 |
| FS | V | PTR | Progeny | P5115RR | RR | --- | 1.7 | 42 | 0 | 2.3 | 3229 | 36.9 |
| FS | V | PTR | Asgrow | AG5605 | RR/STS | --- | 2.7 | 36 | 1 | 2.0 | 3737 | 36.4 |
| FS | V | PTR | Progeny | P5650RR | RR | --- | 2.0 | 38 | 1 | 2.0 | 3154 | 35.5 |
| Average | | | | | | --- | 2.6 | 37 | 0 | 2.5 | 3118 | 42.3 |
| R2 | | | | | | --- | 49.40 | 0.61 | 0.49 | 0.72 | 0.80 | 0.40 |
| CV | | | | | | --- | 29.2 | 8.2 | 162.7 | 20.0 | 5.2 | 14.9 |
| LSD (0.10)* | | | | | | --- | 1.9 | 5.7 | 1.5 | 0.8 | 245.7 | 23.8 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|----------|----------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | V | PTR | USG | 7553nRS | RR/STS | --- | 2.3 | 30 | 3 | 2.0 | 3351 | 57.1 |
| DC | V | PTR | Virginia | V03-3650 | RR | --- | 4.0 | 29 | 1 | 2.3 | 2873 | 56.5 |
| DC | V | PTR | Progeny | P5115RR | RR | --- | 2.3 | 31 | 0 | 2.3 | 2718 | 53.1 |
| DC | V | PTR | USG | 75M16 | RR/STS | --- | 2.0 | 31 | 2 | 2.3 | 2856 | 52.1 |
| DC | V | PTR | Asgrow | AG5503 | RR | --- | 1.3 | 29 | 2 | 2.0 | 2583 | 51.9 |
| DC | V | PTR | Progeny | P5409RR | RR | --- | 2.7 | 33 | 2 | 2.3 | 2573 | 50.3 |
| DC | V | PTR | Progeny | P5218RR | RR | --- | 4.3 | 31 | 0 | 2.0 | 2638 | 50.3 |
| DC | V | PTR | Public | Glenn | CONV | --- | 2.8 | 25 | 1 | 2.7 | 2845 | 50.1 |
| DC | V | PTR | Progeny | P5622RR | RR | --- | 2.3 | 33 | 2 | 2.0 | 2983 | 49.8 |
| DC | V | PTR | USG | 75Z98 | RR | --- | 3.7 | 29 | 1 | 2.0 | 2958 | 49.2 |
| DC | V | PTR | Virginia | V03-4705 | CONV | --- | 3.0 | 27 | 1 | 2.0 | 2718 | 48.3 |
| DC | V | PTR | Dyna-Gro | 33X55 | RR | --- | 2.3 | 30 | 1 | 2.0 | 2722 | 48.0 |
| DC | V | PTR | Stine | 58LA02 | LL | --- | 4.0 | 29 | 1 | 2.7 | 3364 | 47.8 |
| DC | V | PTR | Progeny | P5319RR | RR | --- | 4.8 | 35 | 3 | 2.0 | 2589 | 47.2 |
| DC | V | PTR | NK | S51-T8 | RR | --- | 1.7 | 31 | 2 | 2.3 | 2987 | 46.6 |
| DC | V | PTR | Pioneer | 95Y70 | RR/STS | --- | 4.7 | 33 | 1 | 2.0 | 3089 | 46.6 |
| DC | V | PTR | S.States | LL511N | LL | --- | 3.7 | 28 | 1 | 2.0 | 2906 | 46.2 |
| DC | V | PTR | Progeny | P5706RR | RR | --- | 3.0 | 30 | 0 | 2.7 | 2961 | 45.9 |
| DC | V | PTR | Dyna-Gro | 31R54 | RR/STS | --- | 2.7 | 28 | 0 | 2.0 | 2931 | 45.4 |
| DC | V | PTR | Progeny | P5650RR | RR | --- | 4.7 | 33 | 1 | 2.0 | 3158 | 44.9 |
| DC | V | PTR | USG | 75Z38 | RR | --- | 4.7 | 29 | 1 | 2.0 | 2519 | 44.7 |
| DC | V | PTR | USG | Allen | RR | --- | 4.3 | 31 | 1 | 2.0 | 3129 | 44.3 |
| DC | V | PTR | Asgrow | AG5606 | RR | --- | 5.0 | 32 | 1 | 2.3 | 2723 | 43.5 |
| DC | V | PTR | Virginia | V04-1022 | CONV | --- | 2.3 | 30 | 1 | 2.3 | 2766 | 43.4 |
| DC | V | PTR | USG | 75J32 | RR | --- | 2.0 | 31 | 4 | 2.3 | 3070 | 41.4 |
| | | | | | Average | --- | 3.2 | 30 | 1 | 2.2 | 2880 | 48.2 |
| | | | | | R2 | --- | 0.82 | 0.81 | 0.50 | 0.56 | 0.92 | 0.40 |
| | | | | | CV | --- | 22.0 | 7.5 | 98.7 | 16.1 | 3.3 | 11.9 |
| | | | | | LSD (0.10)* | --- | 1.1 | 3.6 | 2.7 | 0.9 | 138.5 | 14.8 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|----|----------|--------------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| FS | V | SUF | Progeny | P5706RR | RR | 24-Oct-09 | 1.3 | 40 | 0 | 1.0 | 2985 | 60.4 | |
| FS | V | SUF | Virginia | V04-1022 | CONV | 12-Oct-09 | 1.0 | 30 | 1 | 1.0 | 3176 | 57.0 | |
| FS | V | SUF | Pioneer | 95Y70 | RR/STS | 25-Oct-09 | 1.7 | 41 | 0 | 1.0 | 2936 | 56.8 | |
| FS | V | SUF | Virginia | V03-3650 | RR | 12-Oct-09 | 1.0 | 33 | 0 | 1.3 | 3315 | 53.7 | |
| FS | V | SUF | Asgrow | AG5606 | RR | 13-Oct-09 | 1.7 | 40 | 0 | 1.3 | 2891 | 53.5 | |
| FS | V | SUF | USG | 7553nRS | RR/STS | 11-Oct-09 | 1.0 | 33 | 1 | 1.0 | 3585 | 53.4 | |
| FS | V | SUF | S.States | RT5160N-STS | RR/STS | 7-Oct-09 | 1.0 | 33 | 1 | 1.0 | 3533 | 52.1 | |
| FS | V | SUF | Stine | 58LA02 | LL | 16-Oct-09 | 1.0 | 31 | 0 | 2.0 | 3531 | 52.1 | |
| FS | V | SUF | S.States | RT5760N | RR | 15-Oct-09 | 1.0 | 35 | 1 | 1.7 | 2874 | 52.0 | |
| FS | V | SUF | Asgrow | AG5905 | RR | 20-Oct-09 | 1.0 | 39 | 0 | 1.0 | 3633 | 51.8 | |
| FS | V | SUF | Dyna-Gro | 32A53 | RR | 12-Oct-09 | 1.3 | 34 | 1 | 1.7 | 2954 | 51.7 | |
| FS | V | SUF | S.States | LL511N | LL | 12-Oct-09 | 1.0 | 28 | 0 | 1.3 | 3470 | 51.3 | |
| FS | V | SUF | Progeny | P5115RR | RR | 10-Oct-09 | 1.0 | 37 | 2 | 2.0 | 3342 | 51.0 | |
| FS | V | SUF | USG | 75Z98 | RR | 22-Oct-09 | 1.0 | 36 | 1 | 1.3 | 3176 | 50.9 | |
| FS | V | SUF | Progeny | P5622RR | RR | 18-Oct-09 | 1.0 | 34 | 0 | 1.0 | 3282 | 50.5 | |
| FS | V | SUF | Dyna-Gro | 33X55 | RR | 15-Oct-09 | 1.0 | 30 | 0 | 1.3 | 3119 | 50.3 | |
| FS | V | SUF | Public | Ozark | CONV | 10-Oct-09 | 1.0 | 28 | 2 | 1.3 | 3210 | 50.2 | |
| FS | V | SUF | Progeny | P5319RR | RR | 15-Oct-09 | 1.8 | 42 | 0 | 1.0 | 2828 | 49.0 | |
| FS | V | SUF | Trisoy | 5484RR(CN) | RR | 15-Oct-09 | 1.0 | 33 | 0 | 1.3 | 3604 | 48.6 | |
| FS | V | SUF | USG | 5601T | CONV | 11-Oct-09 | 1.5 | 34 | 1 | 1.3 | 2863 | 48.3 | |
| FS | V | SUF | Mid-Atlantic | MA5200RR | RR | 12-Oct-09 | 1.0 | 31 | 2 | 1.0 | 3292 | 48.3 | |
| FS | V | SUF | Progeny | P5650RR | RR | 26-Oct-09 | 1.7 | 38 | 0 | 1.0 | 3431 | 47.9 | |
| FS | V | SUF | Arkansas | R04-357 | CONV | 17-Oct-09 | 1.3 | 33 | 1 | 2.0 | 3393 | 47.1 | |
| FS | V | SUF | USG | Allen | RR | 17-Oct-09 | 1.2 | 30 | 0 | 1.7 | 2838 | 46.9 | |
| FS | V | SUF | S.States | RT5450N-STS | RR/STS | 8-Oct-09 | 1.0 | 32 | 1 | 1.0 | 2936 | 46.5 | |
| FS | V | SUF | Excel | 8560NNRR | RR | 16-Oct-09 | 1.0 | 32 | 1 | 2.0 | 3309 | 45.9 | |
| FS | V | SUF | Public | Osage | CONV | 12-Oct-09 | 1.0 | 33 | 0 | 1.3 | 2975 | 45.8 | |
| FS | V | SUF | Asgrow | AG5605 | RR/STS | 11-Oct-09 | 1.0 | 30 | 0 | 1.0 | 4117 | 45.5 | |
| FS | V | SUF | Asgrow | DP5915RR | RR | 26-Oct-09 | 1.2 | 37 | 0 | 1.0 | 3082 | 45.3 | |
| FS | V | SUF | USG | 75Z38 | RR | 17-Oct-09 | 1.0 | 32 | 1 | 1.3 | 3972 | 44.9 | |
| FS | V | SUF | Public | Glenn | CONV | 12-Oct-09 | 1.0 | 29 | 0 | 1.0 | 3633 | 44.7 | |
| FS | V | SUF | Asgrow | AG5503 | RR | 12-Oct-09 | 1.0 | 33 | 0 | 1.7 | 3112 | 44.7 | |
| FS | V | SUF | Trisoy | 5894RR(CN) | RR | 15-Oct-09 | 1.0 | 34 | 0 | 1.0 | 3243 | 43.9 | |
| FS | V | SUF | Progeny | P5218RR | RR | 8-Oct-09 | 1.0 | 33 | 1 | 1.3 | 2886 | 42.8 | |
| FS | V | SUF | S.States | RT5471N-STS | RR/STS | 12-Oct-09 | 1.0 | 32 | 0 | 1.3 | 3717 | 42.8 | |
| FS | V | SUF | Virginia | V03-4705 | CONV | 8-Oct-09 | 1.0 | 32 | 0 | 1.7 | 3315 | 42.7 | |
| FS | V | SUF | USG | 75M16 | RR/STS | 16-Oct-09 | 1.0 | 34 | 1 | 1.0 | 3342 | 41.7 | |
| FS | V | SUF | Progeny | P5409RR | RR | 10-Oct-09 | 1.0 | 33 | 3 | 1.3 | 2917 | 40.6 | |
| FS | V | SUF | USG | 7515nRS | RR/STS | 6-Oct-09 | 1.0 | 27 | 3 | 2.0 | 3052 | 36.3 | |
| FS | V | SUF | NK | S51-T8 | RR | 7-Oct-09 | 1.0 | 30 | 6 | 2.7 | 3168 | 30.0 | |
| | | | | | Average | 14-Oct-09 | 1.1 | 33 | 1 | 1.4 | 3251 | 48.0 | |
| | | | | | R2 | | 0.85 | 0.55 | 0.79 | 0.66 | 0.61 | 0.89 | 0.54 |
| | | | | | CV | | 0.9 | 23.7 | 6.6 | 124.8 | 28.9 | 4.0 | 13.0 |
| | | | | | LSD (0.10)* | | 4.0 | 3.0 | 3.0 | 1.7 | 0.7 | 193.6 | 11.9 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A | |
|-----------------|----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|------|
| DC | V | SUF | Public | Glenn | CONV | 26-Oct-09 | 5.0 | 37 | 0 | 2.0 | 2832 | 60.9 | |
| DC | V | SUF | USG | 75J32 | RR | | 4.0 | 39 | 0 | 1.3 | 2870 | 59.1 | |
| DC | V | SUF | Asgrow | AG5503 | RR | 26-Oct-09 | 4.0 | 41 | 0 | 2.0 | 2557 | 59.0 | |
| DC | V | SUF | USG | 75M16 | RR/STS | 26-Oct-09 | 4.0 | 45 | 0 | 1.0 | 2740 | 57.8 | |
| DC | V | SUF | USG | Allen | RR | 26-Oct-09 | 4.0 | 42 | 0 | 1.0 | 3031 | 56.7 | |
| DC | V | SUF | Progeny | P5622RR | RR | 30-Oct-09 | 4.0 | 39 | 0 | 1.3 | 2953 | 56.1 | |
| DC | V | SUF | NK | S51-T8 | RR | 26-Oct-09 | 4.0 | 40 | 0 | 1.3 | 2804 | 56.1 | |
| DC | V | SUF | USG | 75Z98 | RR | 2-Nov-09 | 4.3 | 45 | 0 | 1.0 | 2708 | 55.9 | |
| DC | V | SUF | Progeny | P5115RR | RR | 26-Oct-09 | 3.8 | 43 | 0 | 1.0 | 2537 | 54.6 | |
| DC | V | SUF | Stine | 58LA02 | LL | 26-Oct-09 | 4.3 | 41 | 0 | 4.0 | 3166 | 54.3 | |
| DC | V | SUF | Pioneer | 95Y70 | RR/STS | 26-Oct-09 | 4.8 | 45 | 0 | 2.0 | 3005 | 53.0 | |
| DC | V | SUF | Progeny | P5218RR | RR | 26-Oct-09 | 5.0 | 40 | 0 | 1.3 | 2462 | 52.9 | |
| DC | V | SUF | Virginia | V03-4705 | CONV | 26-Oct-09 | 4.7 | 38 | 0 | 1.3 | 2800 | 52.8 | |
| DC | V | SUF | Virginia | V04-1022 | CONV | 28-Oct-09 | 4.3 | 35 | 0 | 1.7 | 2777 | 52.6 | |
| DC | V | SUF | S.States | RT5160N-STS | RR/STS | 28-Oct-09 | 4.0 | 42 | 0 | 1.3 | 2702 | 52.3 | |
| DC | V | SUF | Progeny | P5409RR | RR | 28-Oct-09 | 4.0 | 42 | 0 | 1.0 | 2536 | 51.9 | |
| DC | V | SUF | USG | 75Z38 | RR | 26-Oct-09 | 5.0 | 38 | 0 | 1.3 | 2440 | 51.0 | |
| DC | V | SUF | S.States | LL511N | LL | 26-Oct-09 | 4.3 | 41 | 0 | 1.7 | 2716 | 50.8 | |
| DC | V | SUF | USG | 7553nRS | RR/STS | 26-Oct-09 | 4.0 | 39 | 0 | 1.0 | 3287 | 50.3 | |
| DC | V | SUF | Virginia | V03-3650 | RR | 26-Oct-09 | 4.7 | 42 | 0 | 1.3 | 2822 | 50.2 | |
| DC | V | SUF | Progeny | P5650RR | RR | 9-Nov-09 | 4.7 | 43 | 0 | 1.3 | 3076 | 49.8 | |
| DC | V | SUF | S.States | RT5760N | RR | 26-Oct-09 | 4.7 | 42 | 0 | 2.0 | 2629 | 49.7 | |
| DC | V | SUF | S.States | RT5471N-STS | RR/STS | 26-Oct-09 | 4.3 | 41 | 0 | 1.0 | 2752 | 49.4 | |
| DC | V | SUF | Dyna-Gro | 33X55 | RR | 26-Oct-09 | 4.0 | 39 | 0 | 1.7 | 2666 | 48.7 | |
| DC | V | SUF | S.States | RT5450N-STS | RR/STS | 26-Oct-09 | 4.7 | 38 | 0 | 1.0 | 2657 | 47.5 | |
| DC | V | SUF | Dyna-Gro | 31R54 | RR/STS | 26-Oct-09 | 4.3 | 41 | 0 | 1.0 | 2855 | 47.4 | |
| DC | V | SUF | Asgrow | AG5606 | RR | 26-Oct-09 | 5.0 | 43 | 0 | 1.3 | 2670 | 45.9 | |
| DC | V | SUF | Progeny | P5706RR | RR | 2-Nov-09 | 3.8 | 42 | 0 | 1.0 | 2825 | 44.7 | |
| DC | V | SUF | Progeny | P5319RR | RR | 29-Oct-09 | 4.3 | 43 | 0 | 2.0 | 2611 | 44.1 | |
| | | | | | Average | 27-Oct-09 | 4.4 | 41 | 0 | 1.5 | 2775 | 52.3 | |
| | | | | | R2 | | 0.71 | 0.63 | 0.45 | 0.35 | 0.80 | 0.94 | 0.41 |
| | | | | | CV | | 0.8 | 8.6 | 8.2 | 940.6 | 25.0 | 2.8 | 13.0 |
| | | | | | LSD (0.10)* | | 5.1 | 3.5 | 7.7 | 0.3 | 0.6 | 11.8 | 18.2 |

| Cropping System | MG | Location | Brand | Variety | Herb Reslst | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|--------------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| FS | V | WAR | Progeny | P5650RR | RR | 20-Oct-09 | 2.9 | 38 | --- | 1.1 | --- | 78.1 |
| FS | V | WAR | Asgrow | AG5605 | RR/STS | 12-Oct-09 | 1.9 | 35 | --- | 1.2 | --- | 77.8 |
| FS | V | WAR | Asgrow | AG5503 | RR | 6-Oct-09 | 2.3 | 38 | --- | 1.4 | --- | 76.3 |
| FS | V | WAR | S.States | LL511N | LL | 9-Oct-09 | 1.8 | 30 | --- | 1.4 | --- | 76.2 |
| FS | V | WAR | S.States | RT5160N-STS | RR/STS | 6-Oct-09 | 1.9 | 36 | --- | 1.3 | --- | 76.1 |
| FS | V | WAR | Trisoy | 5484RR(CN) | RR | 13-Oct-09 | 1.6 | 36 | --- | 1.3 | --- | 76.1 |
| FS | V | WAR | Progeny | P5706RR | RR | 21-Oct-09 | 2.5 | 41 | --- | 1.2 | --- | 75.9 |
| FS | V | WAR | USG | 75Z38 | RR | 11-Oct-09 | 1.9 | 38 | --- | 1.2 | --- | 75.5 |
| FS | V | WAR | USG | 75Z98 | RR | 20-Oct-09 | 2.4 | 41 | --- | 1.2 | --- | 74.8 |
| FS | V | WAR | Stine | 58LA02 | LL | 11-Oct-09 | 1.8 | 35 | --- | 1.3 | --- | 73.9 |
| FS | V | WAR | Progeny | P5409RR | RR | 8-Oct-09 | 2.0 | 40 | --- | 1.6 | --- | 73.4 |
| FS | V | WAR | Mid-Atlantic | MA5200RR | RR | 11-Oct-09 | 1.7 | 33 | --- | 1.1 | --- | 73.4 |
| FS | V | WAR | Asgrow | AG5905 | RR | 14-Oct-09 | 1.8 | 42 | --- | 1.2 | --- | 73.1 |
| FS | V | WAR | Trisoy | 5894RR(CN) | RR | 13-Oct-09 | 2.4 | 41 | --- | 1.4 | --- | 73.0 |
| FS | V | WAR | USG | 75M16 | RR/STS | 8-Oct-09 | 1.8 | 33 | --- | 1.3 | --- | 72.5 |
| FS | V | WAR | Public | Glenn | CONV | 9-Oct-09 | 1.6 | 32 | --- | 1.2 | --- | 72.4 |
| FS | V | WAR | Asgrow | AG5606 | RR | 12-Oct-09 | 2.5 | 39 | --- | 1.3 | --- | 72.0 |
| FS | V | WAR | Progeny | P5622RR | RR | 15-Oct-09 | 1.9 | 38 | --- | 1.2 | --- | 71.7 |
| FS | V | WAR | USG | Allen | RR | 13-Oct-09 | 2.3 | 34 | --- | 1.3 | --- | 71.5 |
| FS | V | WAR | USG | 7553nRS | RR/STS | 7-Oct-09 | 1.9 | 37 | --- | 1.3 | --- | 70.9 |
| FS | V | WAR | Progeny | P5115RR | RR | 5-Oct-09 | 2.5 | 43 | --- | 1.7 | --- | 70.6 |
| FS | V | WAR | Dyna-Gro | 32A53 | RR | 8-Oct-09 | 2.1 | 35 | --- | 1.3 | --- | 70.6 |
| FS | V | WAR | Dyna-Gro | 33X55 | RR | 13-Oct-09 | 2.0 | 35 | --- | 1.2 | --- | 70.1 |
| FS | V | WAR | Public | Osage | CONV | 9-Oct-09 | 2.9 | 34 | --- | 1.3 | --- | 70.1 |
| FS | V | WAR | USG | 5601T | CONV | 12-Oct-09 | 2.7 | 34 | --- | 1.6 | --- | 70.1 |
| FS | V | WAR | Public | Ozark | CONV | 7-Oct-09 | 1.6 | 27 | --- | 1.2 | --- | 69.8 |
| FS | V | WAR | S.States | RT5760N | RR | 11-Oct-09 | 1.5 | 34 | --- | 1.2 | --- | 69.7 |
| FS | V | WAR | Arkansas | R04-357 | CONV | 10-Oct-09 | 2.8 | 34 | --- | 1.5 | --- | 69.7 |
| FS | V | WAR | Virginia | V03-3650 | RR | 10-Oct-09 | 1.7 | 34 | --- | 1.5 | --- | 69.1 |
| FS | V | WAR | Excel | 8560NNRR | RR | 11-Oct-09 | 1.6 | 36 | --- | 1.3 | --- | 68.6 |
| FS | V | WAR | USG | 7515nRS | RR/STS | 4-Oct-09 | 2.5 | 35 | --- | 1.7 | --- | 68.3 |
| FS | V | WAR | S.States | RT5450N-STS | RR/STS | 8-Oct-09 | 1.8 | 34 | --- | 1.3 | --- | 67.7 |
| FS | V | WAR | Progeny | P5218RR | RR | 11-Oct-09 | 2.7 | 30 | --- | 1.4 | --- | 67.4 |
| FS | V | WAR | Virginia | V04-1022 | CONV | 10-Oct-09 | 2.1 | 32 | --- | 1.3 | --- | 66.9 |
| FS | V | WAR | NK | S51-T8 | RR | 6-Oct-09 | 1.9 | 38 | --- | 2.1 | --- | 66.7 |
| FS | V | WAR | Virginia | V03-4705 | CONV | 6-Oct-09 | 1.5 | 31 | --- | 1.3 | --- | 66.6 |
| FS | V | WAR | Asgrow | DP5915RR | RR | 18-Oct-09 | 2.8 | 37 | --- | 1.3 | --- | 65.6 |
| FS | V | WAR | Progeny | P5319RR | RR | 12-Oct-09 | 3.2 | 38 | --- | 1.3 | --- | 65.5 |
| FS | V | WAR | S.States | RT5471N-STS | RR/STS | 7-Oct-09 | 2.1 | 34 | --- | 1.1 | --- | 64.6 |
| | | | | | Average | 10-Oct-09 | 2.1 | 36 | --- | 1.3 | --- | 71.3 |
| | | | | | R2 | | 0.89 | 0.61 | 0.81 | --- | 0.59 | 0.26 |
| | | | | | CV | | 0.6 | 21.0 | 5.6 | --- | 13.9 | 10.2 |
| | | | | | LSD (0.10)* | | 2.5 | 0.8 | 3.0 | --- | 0.3 | 29.5 |

| Cropping System | MG | Location | Brand | Variety | Herb Resist | Maturity Date | Lodging 1-5 | Height in. | PSS (%) | SQ 1-5 | SS seed/lb | Yield Bu/A |
|-----------------|----|----------|----------|-------------|-------------|---------------|-------------|------------|---------|--------|------------|------------|
| DC | V | WAR | S.States | RT5160N-STS | RR/STS | 3-Nov-09 | 1.4 | 30 | --- | 2.3 | --- | 80.3 |
| DC | V | WAR | Public | Glenn | CONV | 1-Nov-09 | 1.6 | 25 | --- | 2.1 | --- | 78.4 |
| DC | V | WAR | USG | 75M16 | RR/STS | 3-Nov-09 | 1.6 | 33 | --- | 2.0 | --- | 77.0 |
| DC | V | WAR | Virginia | V03-4705 | CONV | 4-Nov-09 | 1.6 | 27 | --- | 2.0 | --- | 76.1 |
| DC | V | WAR | NK | S51-T8 | RR | 1-Nov-09 | 1.4 | 32 | --- | 2.7 | --- | 75.1 |
| DC | V | WAR | Virginia | V03-3650 | RR | 2-Nov-09 | 1.7 | 30 | --- | 1.7 | --- | 74.8 |
| DC | V | WAR | Progeny | P5622RR | RR | 10-Nov-09 | 1.4 | 31 | --- | 2.0 | --- | 74.8 |
| DC | V | WAR | USG | 7553nRS | RR/STS | 6-Nov-09 | 1.6 | 28 | --- | 1.9 | --- | 74.7 |
| DC | V | WAR | USG | Allen | RR | 10-Nov-09 | 1.5 | 32 | --- | 2.4 | --- | 74.5 |
| DC | V | WAR | USG | 75J32 | RR | 3-Nov-09 | 1.3 | 30 | --- | 2.6 | --- | 74.4 |
| DC | V | WAR | Progeny | P5409RR | RR | 4-Nov-09 | 1.3 | 36 | --- | 2.6 | --- | 73.5 |
| DC | V | WAR | Dyna-Gro | 31R54 | RR/STS | 1-Nov-09 | 1.6 | 31 | --- | 1.7 | --- | 72.2 |
| DC | V | WAR | Dyna-Gro | 33X55 | RR | 6-Nov-09 | 1.8 | 33 | --- | 2.3 | --- | 70.6 |
| DC | V | WAR | Progeny | P5115RR | RR | 31-Oct-09 | 1.2 | 32 | --- | 2.1 | --- | 70.3 |
| DC | V | WAR | Virginia | V04-1022 | CONV | 3-Nov-09 | 1.2 | 29 | --- | 2.0 | --- | 69.2 |
| DC | V | WAR | USG | 75Z98 | RR | 6-Nov-09 | 1.9 | 32 | --- | 1.7 | --- | 68.7 |
| DC | V | WAR | Progeny | P5319RR | RR | 5-Nov-09 | 1.9 | 33 | --- | 1.9 | --- | 68.6 |
| DC | V | WAR | S.States | LL511N | LL | 5-Nov-09 | 1.4 | 29 | --- | 2.3 | --- | 68.4 |
| DC | V | WAR | USG | 75Z38 | RR | 6-Nov-09 | 1.8 | 29 | --- | 2.1 | --- | 68.2 |
| DC | V | WAR | Progeny | P5706RR | RR | 12-Nov-09 | 1.6 | 31 | --- | 2.3 | --- | 68.1 |
| DC | V | WAR | S.States | RT5471N-STS | RR/STS | 2-Nov-09 | 1.7 | 31 | --- | 1.8 | --- | 65.1 |
| DC | V | WAR | S.States | RT5450N-STS | RR/STS | 4-Nov-09 | 1.5 | 29 | --- | 2.4 | --- | 65.0 |
| DC | V | WAR | S.States | RT5760N | RR | 6-Nov-09 | 1.6 | 31 | --- | 2.2 | --- | 64.5 |
| DC | V | WAR | Progeny | P5218RR | RR | 6-Nov-09 | 1.6 | 30 | --- | 2.0 | --- | 61.7 |
| DC | V | WAR | Progeny | P5650RR | RR | 11-Nov-09 | 1.8 | 32 | --- | 2.5 | --- | 58.2 |
| | | | | Average | | 5-Nov-09 | 1.6 | 31 | --- | 2.1 | --- | 70.9 |
| | | | | R2 | | 0.93 | 0.75 | 0.70 | --- | 0.69 | --- | 0.67 |
| | | | | CV | | 0.3 | 10.5 | 7.5 | --- | 11.1 | --- | 7.2 |
| | | | | LSD (0.10)* | | 1.5 | 0.3 | 3.8 | --- | 0.4 | --- | 8.8 |

*LSD (0.10) calculated using the Waller-Duncan k-ratio t-test.