

VIRGINIA SOYBEAN PERFORMANCE TESTS 2010

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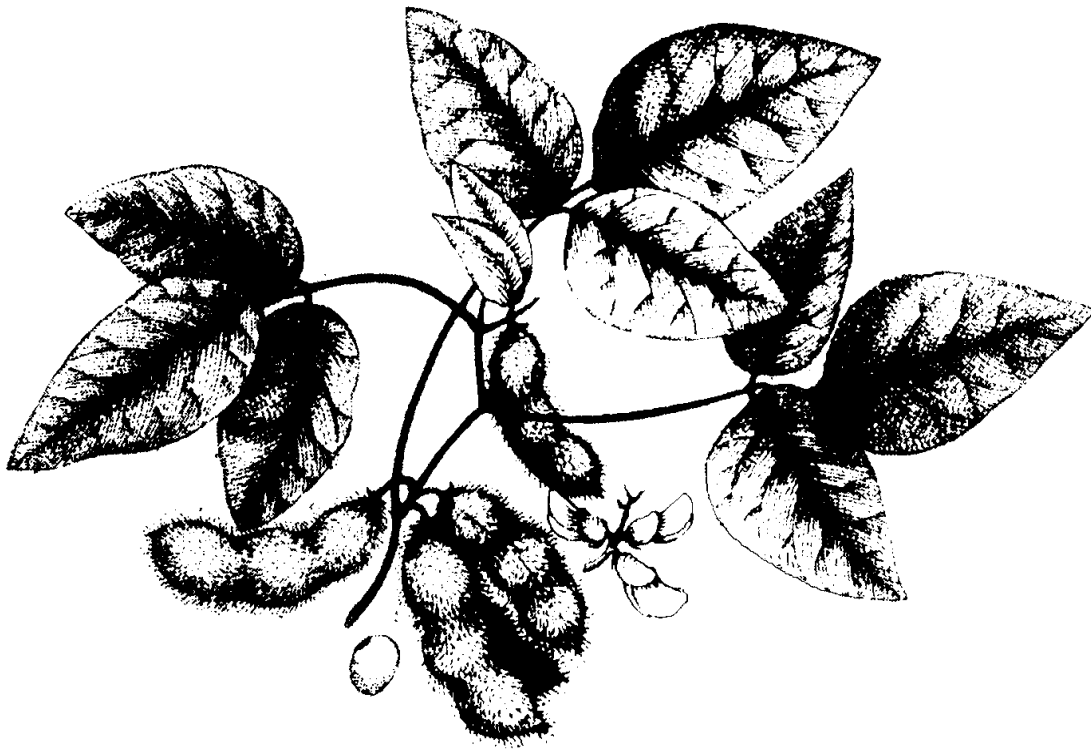
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Producer

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CONTENTS

Introduction to Variety Tests	-----	1
Materials and Methods	-----	2
Production Information	-----	3
Monthly Precipitation	-----	4
Suppliers of Soybean Varieties	-----	5
Yield Summaries	-----	8
Performance Data	-----	15

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 (June to early-July) systems in the Northern Piedmont (Orange Co.), Southern Piedmont (Blackstone), Northern Coastal Plain (Warsaw), Southern Coastal Plain (Suffolk), and Eastern Shore (Painter) regions of Virginia. All double-crop tests were no-till planted following barley or wheat 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, and 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 8 through 14 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	Durham sandy loam	5/12	Conv	Dual II Mag Spartan Sencor Blazer	Proaxis		15	5	3	17
Blackstone	Double-Crop	Durham sandy loam	6/10	No-Till	Dual II Mag Spartan Sencor	Proaxis		15	5	3	17
Orange	Full-Season	Davidson, clay loam	5/10	No-Till	Dual II Mag Sonic			15	5	3	17
Painter	Full-Season	Bojac loamy sand	5/25	Conv	Dual II Mag Sencor			15	5	3	17
Painter	Double-Crop	Bojac loamy sand	7/1	No-Till	Dual II Mag Sencor			15	5	3	17
Suffolk	Full-Season	Eunola Dragston	6/1	Conv	Dual II Mag Sonic, Select	Baythroid, Orthene, Larvin		15	5	3	17
Suffolk	Double-Crop	Dragston sandy loam	6/14	No-Till	Dual II Mag Sonic	Baythroid, Orthene, Larvin		15	5	3	17
Warsaw	Full-Season	Kempsville loam	5/26	Conv	Dual Mag Python Reflex, Fusilade DX	Sniper Larvin		30	4	2	12

MONTHLY PRECIPITATION (INCHES) AND AVERAGE RAINFALL
MAY - OCTOBER

Location		May	June	July	Aug.	Sept.	Oct.	Total
Blackstone	2010	5.68	1.30	1.64	7.06	6.56	2.30	24.54
	60-yr Avg.	3.88	3.95	4.75	4.02	3.78	3.32	23.70
Orange	2010	3.07	2.45	1.45	2.59	3.91	3.51	16.98
	70-yr. Avg.	3.84	3.82	4.34	3.82	3.84	3.52	23.18
Painter	2010	2.94	1.68	1.33	4.62	4.00	4.79	19.36
	70-yr Avg.	3.41	3.64	4.59	4.23	3.67	3.51	23.05
Suffolk	2010	6.81	.83	1.01	2.04	8.75	8.24	27.68
	76-yr. Avg.	3.95	4.18	5.63	5.58	4.26	3.51	27.11
Warsaw	2010	1.58	1.29	1.56	4.12	6.13	6.94	21.62
	43-yr Avg.	4.20	3.84	4.10	4.27	4.38	3.43	24.22

SUPPLIERS OF SOYBEAN VARIETIES TESTED

SUPPLIER	BRAND	VARIETY
ChannelBio, LLC 2227 Setter Run Lane State College, PA 16803	Channel	4100R2, 4500R2, 4700R2, 5351R
Doebler's PA Hybrids Inc. 202 Tiadaghton Avenue Jersey Shore, PA 17740	RPM	DB3809RR, DB3909RR, DB4409RR, DB5409RR
Dyna-Gro Seed 1140 Sweet Road East Aurora, NY 14052	Dyna-Gro	37RY39, 32RY40, 35X43, 34RY46, 37RY47, 33G48, 32A53, 35F55, 37A44
Featherstone Farm 13941 Genito Rd. Amelia, VA 23002	Delta King	DKR4744, DK4968
Growmark FS 503 A Brick St. Port Matilda, PA 16870	HiSOY	HS41A02, HS42T80, HS476, HS47R90
Hubner Seed 10280 West SR 28 West Lebanon, IN 47991	Hubner Seed	H438NRR/STS, H458NRR/STS, H46-01R2, H51-10R2, H558NRR, H58-10R2
Mid-Atlantic Seeds 204St, Charles Way #163 York, PA 17402	Mid- Atlantic Seeds	MA3977RR2, MA4217NRR, MA4399RR/STS, MA4444RR2, MA4666NRR, MA5200RR
Monsanto 102W.Carol Ave. Cortland,IL 60112	Asgrow	AG4103, AG4303, AG4531, AG4903, AG4907,AG5503,AG5831
Progeny Ag Products 1529 Hwy. 193 South Wynne, AR 72396	Progeny	P4206RR, P4209RY, P4510RY, P4606RR, P4610RY, P4710RY, P4750RR, P4807RR, P4810RY, P4860LL, P4906RR, P4908RR, P4910, P4920RY, P4928LL, P4949RR, P4960LL, P5110RY, P5115RR, P5160LL, P5210RY, P5218RR, P5310RY, P5330RR, P5460LL, P5610RY, P5622RR, P5650RR, P5706RR, P5770, P5960LL

SUPPLIER	BRAND	VARIETY
Southern States Coop P.O. Box 26234 Richmond, VA 23260	Southern States	SS3820NR2, LL396N, RT3971N, SS3910NR2, LL426N, LL430N, RT4370N, RT4470N-STS, LL450N, SS4510NR2, RT4710N-STS, SS4700R2, SS4720NR2, RT4777N, RT4808N-STS, RT4888N, RT4996N-STS, LL511N, RT5160N-STS, SS5110NR2, RT5450N-STS, RT5471N-STS, SS5510NR2, RT5760N, LL595N
Stine Seed Company 2225 Laredo Trial Adel, IA 50003	Stine	51LA02,5400-4,58LA08,6202-4,52LA02
Syngenta Seeds, Inc. 11055 Wayzata Blvd Minnetonka, MN 55305	NK	S39-A3, S42-T4, S44-D5, S47-R3, S49-A5, S51-T8
T.A. Seeds P.O. Box 300 Avis, PA 1772	T.A. Seeds	TS3919L, TS3989RS, TS4299RS, TS4219L, TS4499R, TS4819L, TS5199R
JniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211	USG	73F59R, 73H77, 74A45, 4B58, 74T59, 74A69R, 74A79R, 74G78, 74E88, 74W80C, 7495nRS, 74A91, 74F96, 74G99L, 74T98, 75J10R, 75M16, 75T18, 75J20R, 75J32, 75Z38, 75J30R, 75M49, 75T40, 7553nRS, 75J50R, ALLEN, 75Z98, 75G90L
University of Arkansas 115 PTSC Bldg Fayetteville, AR 72701	Public	UA4805, UA4910, Ozark, Osage, R04-357
Virginia Tech 509 Latham Hall Blacksburg, VA 24061	Public	V02-8659, V04-7743, V03-4660, V03-4705, V04- 0807, V04-1022, V03-3650, GLENN

Virginia Soybean Performance Tests 2010

MG E/L	Cropping System	Brand	Variety	Herb Resist	ORG	PTR	SUF	WAR	AVG	Avg Rel Yield
III	FS	Virginia	V04-7743	CONV	30.6	14.6	24.9	18.0	22.0	74
III	FS	T.A.Seeds	TS3919L	LL	33.9	15.0	35.5	19.1	25.9	84
III	FS	S.States	RT3971N	RR	48.8	14.5	40.9	17.3	30.4	92
III	FS	S.States	LL396N	LL	36.2	13.5	49.9	19.6	29.8	92
III	FS	RPM	DB3809RR	RR	53.7	13.3	41.7	17.7	31.6	94
III	FS	S.States	SS3820NR2	RR2Y	46.7	18.2	47.0	15.4	31.8	98
III	FS	T.A.Seeds	TS3989RS	RR/STS	48.1	17.9	42.8	18.9	31.9	100
III	FS	Dyna-Gro	37RY39	RR2Y	51.1	17.4	39.0	20.0	31.9	100
III	FS	Mid-Atlantic	MAS3977RRII	RR2Y	54.0	17.4	42.9	19.1	33.3	102
III	FS	Virginia	V02-8659	CONV	47.1	19.9	41.2	22.5	32.6	105
III	FS	S.States	SS3910NR2	RR2	56.6	18.3	42.6	22.1	34.9	108
III	FS	NK	S39-A3	RR	49.4	20.3	47.2	20.7	34.4	109
III	FS	USG	73F59R	RR2Y	53.6	16.2	47.4	24.4	35.4	109
III	FS	USG	73H77	RR/STS	61.3	19.4	37.2	24.6	35.6	112
III	FS	RPM	DB3909RR	RR	49.3	15.0	50.6	30.3	36.3	114
Average					48.0	16.7	42.0	20.6	31.9	100
R ²					0.73	0.41	0.73	0.63	---	---
CV					14.6	22.3	11.6	22.1	---	---
LSD (0.10)					9.8	3.1	7.2	6.2	---	---

Virginia Soybean Performance Tests 2010

MG	E/L	Cropping System	Brand	Variety	Herb Resist	BLK*	ORG	PTR	SUF	WAR	AVG	Avg Rel Yield	
IV	E	FS	Virginia	V03-4660	CONV		34.3	16.1	30.8	28.0	27.3	78	
IV	E	FS	Dyna-Gro	37A44	RR				26.9	30.5	28.7	79	
IV	E	FS	S.States	RT4470N-STS	RR/STS		42.0	20.9	28.6	29.4	30.2	87	
IV	E	FS	RPM	DB4409RR	RR		44.4	18.9	38.4	25.1	31.7	90	
IV	E	FS	Asgrow	AG4130	RR2Y		51.7	19.1		26.9	32.6	90	
IV	E	FS	Progeny	P4606RR	RR/STS		47.7	17.6	32.6	31.6	32.4	90	
IV	E	FS	Mid-Atlantic	MAS4666NRR	RR		44.4	17.7	31.5	36.9	32.6	91	
IV	E	FS	Mid-Atlantic	MAS4217NRR	RR		53.5	18.2	27.5	34.2	33.3	92	
IV	E	FS	Asgrow	AG4303	RR/STS		52.2	19.0		28.8	33.3	92	
IV	E	FS	T.A.Seeds	TS3989RS	RR/STS			16.9	34.1		25.5	92	
IV	E	FS	S.States	LL450N	LL		50.0	20.6	32.6	29.3	33.1	94	
IV	E	FS	Channel	4100R2	RR2Y/STS		45.1	14.3		46.3	35.2	95	
IV	E	FS	USG	74B58	RR/STS			17.6	36.1	35.1	29.6	96	
IV	E	FS	Progeny	P4206RR	RR		50.2	19.2	36.4	32.8	34.7	97	
IV	E	FS	Hubner	H46-01R2	RR2Y/STS		53.1	17.9	32.6	38.9	35.6	98	
IV	E	FS	S.States	SS4510NR2	RR2		48.4	22.5	32.2	34.3	34.4	98	
IV	E	FS	Mid-Atlantic	MAS4444RRII	RR2Y		53.2	18.1	34.7	36.9	35.7	99	
IV	E	FS	HiSOY	HS41A02	RR2Y		49.0	19.3		38.4	35.6	99	
IV	E	FS	Progeny	P4209RY	RR2Y		51.1	19.1	33.6	40.0	36.0	100	
IV	E	FS	Dyna-Gro	35X43	RR		56.3	19.8	36.5	32.5	36.3	101	
IV	E	FS	Channel	4500R2	RR2Y		59.2	19.9		32.7	37.3	102	
IV	E	FS	Mid-Atlantic	MAS4399RR/STS	RR/STS		48.3	19.8	37.2	39.3	36.2	102	
IV	E	FS	NK	S42-T4	RR2Y			19.0	29.0	47.2	31.8	102	
IV	E	FS	HiSOY	HS42T80	RR/STS		51.9	20.6		38.0	36.8	103	
IV	E	FS	Hubner	H438NRR/STS	RR/STS		53.3	18.6	37.5	39.4	37.2	103	
IV	E	FS	S.States	RT4370N	RR		46.9	20.4	36.5	42.1	36.5	103	
IV	E	FS	Dyna-Gro	34RY46	RR2Y/STS			18.2	34.4	44.6	32.4	103	
IV	E	FS	Dyna-Gro	32RY40	RR2Y		59.5	20.4	33.0	39.0	38.0	105	
IV	E	FS	T.A.Seeds	TS4499R	RR		48.2	22.3	37.8	38.8	36.8	105	
IV	E	FS	Hubner	H458NRR/STS	RR/STS		57.5	17.0	33.1	49.4	39.3	106	
IV	E	FS	USG	74A69R	RR2Y			22.6	34.5	40.3	32.5	107	
IV	E	FS	Progeny	P4510RY	RR2Y/STS		55.6	19.7	35.7	44.4	38.9	108	
IV	E	FS	S.States	LL426N	LL			19.7	40.9		30.3	109	
IV	E	FS	USG	74T59	RR			18.1	50.1	35.6	34.6	110	
IV	E	FS	S.States	LL430N	LL		54.6	20.6	39.9	44.4	39.9	111	
IV	E	FS	NK	S44-D5	RR			22.6	37.6	43.6	34.6	113	
IV	E	FS	Progeny	P4610RY	RR2Y		52.4	24.1	35.5	47.7	39.9	114	
IV	E	FS	T.A.Seeds	TS4299RS	RR/STS		60.5	24.9	38.7	37.4	40.4	114	
IV	E	FS	Asgrow	AG4531	RR2Y/STS		50.9	21.2	38.2	59.3	42.4	119	
Average							50.9	19.5	35.0	37.8	35	100	
R ²							0.49	0.39	0.56	0.46			
CV							13.7	18.4	15.5	25.3			
LSD (0.10)							14.8	12.1	13.1	21			

*Due to low yields and high variability, the Blackstone data was not included in the averages. These data can be found in the performance tables.

Virginia Soybean Performance Tests 2010

MG	E/L	Cropping System	Brand	Variety	Herb Resist	BLK	ORG*	PTR*	SUF	WAR*	Average	Avg Rel Yield
IV	E	DC	Virginia	V04-7743	CONV	8.3			20.9		14.6	59
IV	E	DC	T.A.Seeds	TS3919L	LL	4.2			28.7		16.5	63
IV	E	DC	Dyna-Gro	32RY40	RR2Y	13.6					13.6	70
IV	E	DC	Progeny	P4206RR	RR	13.9			26.5		20.2	84
IV	E	DC	T.A.Seeds	TS3989RS	RR/STS	18.4			22.8		20.6	89
IV	E	DC	Virginia	V02-8659	CONV	15.1			28.1		21.6	90
IV	E	DC	Progeny	P4606RR	RR/STS	19.1			22.5		20.8	90
IV	E	DC	T.A.Seeds	TS4299RS	RR/STS	15.3			28.0		21.7	90
IV	E	DC	Dyna-Gro	35X43	RR	17.7					17.7	91
IV	E	DC	Asgrow	AG4303	RR/STS	15.4			31.1		23.2	96
IV	E	DC	S.States	RT4370N	RR	17.2			28.4		22.8	96
IV	E	DC	S.States	LL430N	LL	18.8			28.2		23.5	100
IV	E	DC	USG	74T59	RR				27.7		27.7	100
IV	E	DC	RPM	DB4409RR	RR	18.4			29.6		24.0	101
IV	E	DC	Progeny	P4209RY	RR2Y	23.1			22.9		23.0	101
IV	E	DC	Progeny	P4610RY	RR2Y	19.8			28.6		24.2	103
IV	E	DC	Asgrow	AG4130	RR2Y	22.7			25.3		24.0	104
IV	E	DC	S.States	LL426N	LL	17.8			32.5		25.2	105
IV	E	DC	Virginia	V03-4660	CONV	24.4			23.4		23.9	105
IV	E	DC	S.States	RT4470N-STS	RR/STS	17.7			33.2		25.5	106
IV	E	DC	Progeny	P4510RY	RR2Y/STS	25.7			22.0		23.8	106
IV	E	DC	S.States	LL450N	LL	20.3			30.0		25.1	107
IV	E	DC	S.States	SS4720NR2	RR2	21.8			29.7		25.7	110
IV	E	DC	S.States	SS4510NR2	RR2	24.1			27.8		25.9	113
IV	E	DC	Asgrow	AG4531	RR2Y/STS	25.8			25.9		25.8	114
IV	E	DC	Hubner	H46-01R2	RR2Y/STS	24.7			28.7		26.7	116
IV	E	DC	S.States	SS4700R2	RR2	27.7			25.4		26.6	118
IV	E	DC	USG	74B58	RR/STS				32.6		32.6	118
IV	E	DC	USG	74A45	RR				34.1		34.1	124
Average						18.9			27.6		23.5	100
R ²						0.83			0.54			
CV						15.6			16.6			
LSD (0.10)						4.9			10.2			

*Due to dry soil conditions at ORG, plant emergence was less than 35%. Plots were re-planted 2 weeks later, but the stand was similar. Due to variability within the test, it was not harvested. Yields averaged less than 10 bushels per acre at PTR, the test was extremely variable, and no significant differences existed between varieties; therefore those data are not included. These data can be found in the performance tables. WAR was not planted due to extreme drought.

Virginia Soybean Performance Tests 2010

MG	E/L	Cropping System	Brand	Variety	Herb Resist	BLK*	ORG	PTR	SUF	WAR	Average	Avg Rel Yield
IV	L	FS	Virginia	V04-1022	CONV		53.1	6.0	28.8	17.4	26.3	80
IV	L	FS	Progeny	P4810RY	RR2Y	4.9	45.5	10.0	34.0	21.4	23.2	82
IV	L	FS	NK	S49-A5	RR	1.9		12.5	34.1	24.7	18.3	83
IV	L	FS	Virginia	V04-0807	CONV	12.5	35.0	9.5	29.9	17.3	20.8	84
IV	L	FS	NK	S47-R3	RR	7.3		10.5	36.2	18.6	18.2	84
IV	L	FS	S.States	SS4720NR2	RR2	8.3	45.3	8.7	34.5	19.8	23.3	84
IV	L	FS	S.States	RT4808N-STS	RR/STS	6.9	46.1	10.8	34.2	19.2	23.4	85
IV	L	FS	S.States	RT4777N	RR	8.9	50.8	7.3	35.3	22.7	25.0	88
IV	L	FS	S.States	RT4888N	R1	8.0	52.2	9.9	31.3	22.1	24.7	89
IV	L	FS	T.A.Seeds	TS4819L	LL	12.2	37.6	8.7	35.1	22.2	23.2	90
IV	L	FS	Progeny	P4906RR	RR	8.3	54.5	11.5	31.0	20.0	25.1	91
IV	L	FS	USG	74A79R	RR2Y/STS	9.5		10.8	31.6	23.7	18.9	92
IV	L	FS	Progeny	P4949RR	RR	7.7	52.2	12.5	32.6	20.5	25.1	92
IV	L	FS	Progeny	P4807RR	RR	9.5	46.7	10.4	36.7	21.9	25.0	93
IV	L	FS	Progeny	P4606RR	RR/STS	8.2	53.5	12.0	34.2	21.3	25.8	94
IV	L	FS	DeltaKing	DK4968	RR	8.2	44.7	13.3	39.0	20.8	25.2	95
IV	L	FS	USG	74A91	RR			10.1	38.2	19.8	22.7	95
IV	L	FS	Dyna-Gro	33G48	RR			10.2	34.4	23.0	22.6	97
IV	L	FS	HiSOY	HS476	RR/STS		54.0	11.0		19.5	28.2	97
IV	L	FS	Dyna-Gro	37RY47	RR2Y/STS			11.8	36.1	19.7	22.5	98
IV	L	FS	Progeny	P4908RR	RR	9.9	52.0	10.6	35.2	25.7	26.7	99
IV	L	FS	HiSOY	HS47R90	RR		59.2	9.3		21.4	30.0	99
IV	L	FS	USG	74G78	RR			12.8	34.2	19.7	22.2	99
IV	L	FS	Asgrow	AG4907	RR			11.8	31.6	23.5	22.3	100
IV	L	FS	USG	7495nRS	RR/STS			12.9	36.0	18.8	22.6	100
IV	L	FS	S.States	RT4710N-STS	RR/STS	13.1	59.5	10.2	36.1	18.6	27.5	100
IV	L	FS	Pioneer	94Y90	RR			11.2	38.8	21.3	23.8	101
IV	L	FS	S.States	RT4996N-STS	RR/STS	11.9	55.2	14.5	35.6	16.7	26.8	102
IV	L	FS	Progeny	P4920RY	RR2Y	14.9	45.8	13.3	33.8	20.7	25.7	104
IV	L	FS	Pioneer	94Y70	RR	12.8		11.4	38.3	23.5	21.5	105
IV	L	FS	USG	74W80C	CONV			13.0	36.9	21.3	23.7	105
IV	L	FS	Progeny	P4750RR	RR	10.3	52.1	12.5	37.2	26.6	27.8	105
IV	L	FS	USG	74F96	RR	18.8		9.2	33.2	20.7	20.5	105
IV	L	FS	Progeny	P4860LL	LL	16.7	44.2	10.9	34.1	25.0	26.2	106
IV	L	FS	Progeny	P4910	CONV	15.3	48.1	13.0	33.6	22.2	26.4	106
IV	L	FS	USG	74E88	RR/STS			12.6	33.4	25.1	23.7	106
IV	L	FS	DeltaKing	DKR4744	RR2Y/STS	12.4	62.2	13.3	34.6	20.3	28.6	106
IV	L	FS	Progeny	P4960LL	LL	13.2	49.6	11.9	45.5	20.9	28.2	107
IV	L	FS	Channel	4700R2	RR2Y		56.5	12.6		21.6	30.2	107
IV	L	FS	Virginia	V03-4705	CONV	20.9	38.2	11.7	30.8	21.7	24.7	107
IV	L	FS	Progeny	P4928LL	LL	16.0	44.5	11.8	41.9	22.9	27.4	109
IV	L	FS	North Carolina	NCC05-1168	CONV	21.0		10.4	33.0	21.9	21.6	114
IV	L	FS	S.States	SS4700R2	RR2	14.1	55.7	13.4	39.8	25.3	29.7	114
IV	L	FS	USG	74G99L	LL	15.2		12.1	41.2	24.6	23.3	114
IV	L	FS	USG	74T98	RR			18.6	32.9	20.2	23.9	115
IV	L	FS	Arkansas	UA4805	CONV	16.7	48.2	14.5	38.4	24.6	28.5	116
IV	L	FS	Arkansas	UA4910	CONV	20.1	56.0	13.3	35.5	20.2	29.0	117
IV	L	FS	Asgrow	AG4730	RR2Y/STS			18.2	34.7	21.9	25.0	118
IV	L	FS	North Carolina	NCC05-1261	CONV	23.5		18.4	36.4	22.8	25.3	139
			Average			12.3	49.9	11.8	35.2	21.5	25	100
			R ²			0.72	0.6	0.51	0.55	0.75		
			CV			31.4	14.7	24.5	13.6	11.3		
			LSD (0.10)			6.2	14.5	6	13.4	4.4		

Virginia Soybean Performance Tests 2010

MG	E/L	Cropping System	Brand	Variety	Herb Resist	BLK	ORG*	PTR*	SUF	WAR*	Average	Avg Rel Yield
IV	L	DC	Progeny	P4750RR	RR	19.3			31.2		25.3	81
IV	L	DC	Progeny	P4807RR	RR	17.4			34.1		25.8	81
IV	L	DC	Virginia	V04-0807	CONV	24.1			27.7		25.9	86
IV	L	DC	USG	74A79R	RR2Y/STS	21.5					21.5	86
IV	L	DC	S.States	RT4710N-STS	RR/STS	20.6			33.2		26.9	86
IV	L	DC	Progeny	P4906RR	RR	21.0			32.8		26.9	86
IV	L	DC	Progeny	P4908RR	RR	21.0			34.1		27.6	88
IV	L	DC	NK	S49-A5	RR				32.8		32.8	89
IV	L	DC	S.States	RT4808N-STS	RR/STS	22.8			33.0		27.9	90
IV	L	DC	USG	74W80C	CONV	18.3			41.2		29.8	93
IV	L	DC	Asgrow	AG4907	RR	22.8			35.9		29.4	94
IV	L	DC	USG	74A91	RR				34.9		34.9	95
IV	L	DC	USG	74E88	RR/STS				35.4		35.4	96
IV	L	DC	Pioneer	94Y90	RR				35.8		35.8	97
IV	L	DC	S.States	RT4888N	R1	24.6			36.8		30.7	99
IV	L	DC	Progeny	P4949RR	RR	25.7			35.2		30.5	99
IV	L	DC	Progeny	P4920RY	RR2Y	26.7			34.1		30.4	99
IV	L	DC	Progeny	P4860LL	LL	24.8			36.9		30.9	100
IV	L	DC	Progeny	P4606RR	RR/STS	21.9			41.4		31.6	100
IV	L	DC	USG	74F96	RR				37.0		37.0	101
IV	L	DC	Progeny	P4810RY	RR2Y	21.9			42.1		32.0	101
IV	L	DC	Asgrow	AG4730	RR2Y/STS	23.4			40.9		32.2	102
IV	L	DC	Progeny	P4910	CONV	24.3			40.1		32.2	103
IV	L	DC	S.States	RT4996N-STS	RR/STS	29.0			33.4		31.2	103
IV	L	DC	USG	74T98	RR	28.3			34.6		31.4	103
IV	L	DC	Progeny	P4710RY	RR2Y/STS	25.4			39.3		32.4	104
IV	L	DC	Mid-Atlantic	MAS4666NRR	RR				38.5		38.5	105
IV	L	DC	Dyna-Gro	33G48	RR				38.9		38.9	106
IV	L	DC	USG	7495nRS	RR/STS				39.2		39.2	107
IV	L	DC	DeltaKing	DKR4744	RR2Y/STS	26.8					26.8	107
IV	L	DC	Progeny	P4960LL	LL	25.4			41.9		33.7	108
IV	L	DC	Dyna-Gro	V47N8RR	RR				40.3		40.3	109
IV	L	DC	Virginia	V03-4705	CONV	30.9			35.8		33.3	110
IV	L	DC	Virginia	V04-1022	CONV	34.9			35.6		35.2	118
IV	L	DC	USG	74G99L	LL	35.2			46.8		41.0	134
IV	L	DC	Progeny	P4928LL	LL	40.0			41.4		40.7	136
Average						25.1			36.8		32.1	100
R ²						0.7			0.46			
CV						19.6			16			
LSD (0.10)						8.9			16.3			

*Due to dry soil conditions at ORG, plant emergence was less than 35%. Plots were re-planted 2 weeks later, but the stand was simi variability within the test, it was not harvested. Yields averaged less than 10 bushels per acre at PTR, the test was extremely variabl significant differences existed between varieties; therefore those data are not included. These data can be found in the performance WAR was not planted due to extreme drought.

Virginia Soybean Performance Tests 2010

MG E/L	Cropping System	Brand	Variety	Herb Resist	BLK	ORG	PTR*	SUF	WAR	Average	Avg Rel Yield
V	FS	S.States	SS5510NR2	RR2	13.9	39.6		33.3	16.7	25.9	81
V	FS	Asgrow	AG5831	RR2Y	13.0			31.4	23.1	22.5	85
V	FS	S.States	RT5471N-STS	RR/STS	16.3			32.9	18.7	22.6	87
V	FS	USG	75J50R	RR2Y	14.8			34.3	20.1	23.1	87
V	FS	North Carolina	NCC05-1323	CONV	15.1			34.7	20.2	23.3	88
V	FS	USG	75T40	RR				34.9	19.8	27.4	90
V	FS	Stine	58LA02	LL				32.4	21.6	27.0	90
V	FS	Mid-Atlantic	MAS5200RR	RR	16.9	41.3		33.8	20.8	28.2	91
V	FS	Pioneer	95Y70	RR/STS				32.6	21.8	27.2	91
V	FS	NK	S51-T8	RR	16.0			35.5	21.0	24.2	92
V	FS	Hubner	H558NRR	RR	17.8	41.1		32.2	22.7	28.4	92
V	FS	Arkansas	Ozark	CONV	15.5	44.7		34.1	22.7	29.3	93
V	FS	Virginia	V03-3650	RR	16.5	44.4		36.2	21.1	29.5	93
V	FS	USG	75M49	RR				35.3	21.5	28.4	94
V	FS	USG	75J32	RR				33.2	23.0	28.1	94
V	FS	RPM	DB5409RR	RR	19.0	35.7		31.9	26.2	28.2	95
V	FS	North Carolina	NCC04-1555	CONV	17.5			30.3	24.7	24.2	95
V	FS	USG	75J10R	RR2Y	15.9			32.4	25.7	24.7	95
V	FS	S.States	LL595N	LL	13.8	47.4		35.8	25.4	30.6	96
V	FS	T.A.Seeds	TS5199R	RR	15.0	52.2		37.1	20.5	31.2	96
V	FS	Pioneer	95M82	RR				31.9	24.7	28.3	96
V	FS	Progeny	P5650RR	RR	18.8	39.3		37.2	22.4	29.4	96
V	FS	Public	Hutcheson	CONV	15.3	55.0		33.2	22.3	31.4	97
V	FS	North Carolina	NCC05-7649R	RR	20.1			30.2	22.9	24.4	97
V	FS	S.States	RT5450N-STS	RR/STS	20.0			30.2	23.1	24.4	97
V	FS	North Carolina	NCC05-4512R	RR	20.2			34.8	20.0	25.0	97
V	FS	USG	75J30R	RR2Y	17.0			37.7	22.5	25.7	98
V	FS	USG	75G90L	LL	19.4			31.4	23.6	24.8	98
V	FS	Progeny	P5330RR	RR	15.6	50.6		34.8	24.9	31.5	99
V	FS	Progeny	P5706RR	RR	20.2	33.0		37.9	25.8	29.2	99
V	FS	Progeny	P5310RY	RR2Y	17.6	40.5		36.3	26.8	30.3	99
V	FS	Hubner	H58-10R2	RR2Y	21.1	41.6		36.6	22.0	30.3	100
V	FS	Progeny	P5610RY	RR2Y	17.3	52.9		35.8	22.9	32.2	101
V	FS	S.States	RT5160N-STS	RR/STS	17.7	52.3		38.8	21.2	32.5	101
V	FS	Progeny	P5115RR	RR	15.0	52.5		35.6	27.4	32.6	102
V	FS	Asgrow	AG5531	RR2Y	20.2			35.3	22.9	26.1	102
V	FS	Progeny	P5770	CONV	23.0	38.9		36.2	23.5	30.4	102
V	FS	Arkansas	R04-357	CONV	14.3	45.9		40.7	29.1	32.5	103
V	FS	USG	7553nRS	RR/STS				35.8	25.5	30.6	103
V	FS	USG	75T18	RR	21.4			34.0	23.0	26.1	103
V	FS	Progeny	P5210RY	RR2Y	18.8	58.2		32.8	23.4	33.3	104
V	FS	Channel	5351R	RR/STS				39.3	23.6	31.5	104
V	FS	Dyna-Gro	35F55	RR				35.2	26.5	30.9	104
V	FS	S.States	RT5760N	RR	20.9			38.4	21.9	27.0	105
V	FS	S.States	SS5110NR2	RR2	19.6	55.7		35.5	22.6	33.4	105
V	FS	Hubner	H51-10R2	RR2Y	21.6	51.5		34.7	22.9	32.7	105
V	FS	Public	Glenn	CONV	18.0	46.2		44.6	23.8	33.1	105
V	FS	S.States	LL511N	LL	19.8	59.1		37.0	20.7	34.1	106
V	FS	Progeny	P5460LL	LL	17.9	49.7		42.7	24.8	33.8	107
V	FS	Progeny	P5960LL	LL	17.7	51.0		38.9	27.1	33.7	107
V	FS	Progeny	P5160LL	LL	19.4	57.9		35.5	24.6	34.3	108
V	FS	Arkansas	Osage	CONV	19.8	43.4		37.3	30.9	32.9	109
V	FS	Stine	6202-4	RR				42.5	24.0	33.3	109
V	FS	USG	ALLEN	RR				34.4	29.4	31.9	109
V	FS	USG	75M16	RR/STS				37.4	27.7	32.5	110
V	FS	Stine	51LA02	LL				39.7	26.2	32.9	110
V	FS	USG	75Z98	RR				36.0	28.8	32.4	110
V	FS	Dyna-Gro	32A53	RR				40.7	26.0	33.4	111
V	FS	Progeny	P5622RR	RR	22.1	35.8		38.6	34.2	32.7	112
V	FS	Progeny	P5110RY	RR2Y	20.9	50.5		37.6	29.8	34.7	113
V	FS	Stine	52LA02	LL				41.0	28.3	34.6	116
V	FS	Progeny	P5218RR	RR	21.9	54.7		44.7	24.9	36.6	116
Average					18.0	47.2		35.9	24.0	30	100

R ²	0.54	0.59	0.38	0.4	0.65
CV	16.7	16.2	37.5	14.6	13.2
LSD (0.10)	6.2	15.4	8.6	17	5.6

*Yields at PTR averaged 6.9 bushels per acre, the variability was very high, and there were no significant differences between varieties; therefore, data are not presented. These data can be found in the performance tables.

Virginia Soybean Performance Tests 2010

MG E/L	Cropping System	Brand	Variety	Herb Resist	BLK	PTR	SUF	WAR*	Average	Avg Rel Yield
V	DC	Progeny	P5115RR	RR	26.6		27.7		27.2	80
V	DC	USG	75J10R	RR2Y	28.2		28.7		28.5	84
V	DC	S.States	RT5450N-STS	RR/STS	28.7		30.1		29.4	86
V	DC	USG	75T18	RR			30.0		30.0	86
V	DC	S.States	SS5510NR2	RR2	29.3		31.9		30.6	90
V	DC	Progeny	P5110RY	RR2Y	28.6		33.7		31.2	91
V	DC	Stine	58LA02	LL			31.8		31.8	91
V	DC	USG	75T40	RR			31.9		31.9	92
V	DC	Progeny	P5310RY	RR2Y	31.2		31.8		31.5	92
V	DC	Progeny	P5218RR	RR	26.7		36.9		31.8	93
V	DC	S.States	RT5160N-STS	RR/STS	30.6		33.2		31.9	94
V	DC	Public	Hutcheson	CONV	31.4		32.6		32.0	94
V	DC	Progeny	P5330RR	RR	30.5		33.7		32.1	94
V	DC	USG	75J50R	RR2Y	29.6		34.8		32.2	94
V	DC	S.States	RT5760N	RR	30.5		34.8		32.7	96
V	DC	USG	7553nRS	RR/STS			33.5		33.5	96
V	DC	USG	75J20R	RR2Y	35.0		30.9		32.9	97
V	DC	Progeny	P5706RR	RR	29.8		36.4		33.1	97
V	DC	USG	75J32	RR			34.0		34.0	98
V	DC	Asgrow	AG5531	RR2Y	34.4		32.5		33.4	98
V	DC	Pioneer	95M82	RR			34.4		34.4	99
V	DC	Channel	5351R	RR/STS			34.4		34.4	99
V	DC	USG	75M16	RR/STS			34.6		34.6	99
V	DC	Mid-Atlantic	MAS5200RR	RR			34.7		34.7	100
V	DC	S.States	RT5471N-STS	RR/STS	34.7		33.1		33.9	100
V	DC	Progeny	P5622RR	RR	32.0		36.8		34.4	101
V	DC	S.States	SS5110NR2	RR2	34.7		34.1		34.4	101
V	DC	Progeny	P5210RY	RR2Y	29.9		39.3		34.6	101
V	DC	Virginia	V03-3650	RR	38.3		30.7		34.5	102
V	DC	S.States	LL511N	LL	35.4		33.7		34.6	102
V	DC	RPM	DB5409RR	RR	36.1		33.0		34.6	102
V	DC	Asgrow	AG5831	RR2Y	36.7		32.7		34.7	102
V	DC	Stine	51LA02	LL			35.6		35.6	102
V	DC	Progeny	P5610RY	RR2Y	35.9		34.6		35.2	103
V	DC	USG	75Z98	RR	35.2		36.3		35.8	105
V	DC	Stine	6202-4	RR			36.9		36.9	106
V	DC	NK	S51-T8	RR			37.0		37.0	106
V	DC	Public	Glenn	CONV	39.7		32.5		36.1	106
V	DC	Progeny	P5770	CONV	33.7		39.1		36.4	107
V	DC	Dyna-Gro	35F55	RR			37.4		37.4	107
V	DC	USG	ALLEN	RR			37.7		37.7	108
V	DC	S.States	LL595N	LL	37.4		36.7		37.1	109
V	DC	Progeny	P5160LL	LL	35.8		38.9		37.3	110
V	DC	Hubner	H558NRR	RR	37.5		38.1		37.8	111
V	DC	Pioneer	95Y70	RR/STS			39.0		39.0	112
V	DC	Progeny	P5460LL	LL	38.0		38.6		38.3	112
V	DC	Progeny	P5960LL	LL	38.3		38.7		38.5	113
V	DC	Stine	5400-4	RR			39.6		39.6	114
V	DC	Progeny	P5650RR	RR	39.5		38.1		38.8	114
V	DC	USG	75M49	RR			39.7		39.7	114
V	DC	Dyna-Gro	32A53	RR			39.9		39.9	115
Average					33.3		34.8		34.5	100

R ²	0.52	0.42
CV	15.5	13
LSD (0.10)	12.3	12.4

*Yields averaged less than 10 bushels per acre at PTR, the test was extremely variable, and no significant differences existed between varieties; therefore those data are not included. These data can be found in the performance tables. WAR was not planted due to extreme drought.

Cropping						Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
MG	E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A
III		FS	ORG	USG	73H77	RR/STS		1.0	38	0	3.7	2714	61.3
III		FS	ORG	S.States	SS3910NR2	RR2		1.0	40	0	4.0	2412	56.6
III		FS	ORG	Mid-Atlantic	MAS3977RRII	RR2Y		1.0	41	0	3.0	2971	54.0
III		FS	ORG	RPM	DB3809RR	RR		1.0	40	0	3.3	2975	53.7
III		FS	ORG	USG	73F59R	RR2Y		1.3	33	0	3.7	2651	53.6
III		FS	ORG	Dyna-Gro	37RY39	RR2Y		1.5	36	0	3.7	2918	51.1
III		FS	ORG	NK	S39-A3	RR		1.0	32	0	4.0	2814	49.4
III		FS	ORG	RPM	DB3909RR	RR		1.0	38	0	3.3	2849	49.3
III		FS	ORG	S.States	RT3971N	RR		1.0	35	0	2.7	2706	48.8
III		FS	ORG	T.A.Seeds	TS3989RS	RR/STS		1.0	40	0	3.7	2557	48.1
III		FS	ORG	Virginia	V02-8659	CONV		1.5	41	0	4.0	3285	47.1
III		FS	ORG	S.States	SS3820NR2	RR2Y		1.0	34	0	3.0	3243	46.7
III		FS	ORG	S.States	LL396N	LL		1.0	36	0	3.7	2909	36.2
III		FS	ORG	T.A.Seeds	TS3919L	LL		1.0	32	0	3.7	2973	33.9
III		FS	ORG	Virginia	V04-7743	CONV		1.0	40	0	2.3	3431	30.6
		Average					---	1.1	37	0	3.4	2894	48.0
		R ²					---	0.47	0.62	---	0.66	0.80	0.73
		CV					---	25.7	13.8	---	14.7	6.7	14.6
		LSD (0.10)*					---	0.4	7.1	---	0.7	268	9.8

Cropping						Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
MG	E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A
III		FS	PTR	NK	S39-A3	RR		1.0	18	0	4.3	4376	20.3
III		FS	PTR	Virginia	V02-8659	CONV		1.0	19	0	3.7	4044	19.9
III		FS	PTR	USG	73H77	RR/STS		1.0	16	0	4.0	3297	19.4
III		FS	PTR	S.States	SS3910NR2	RR2		1.0	19	0	4.0	3442	18.3
III		FS	PTR	S.States	SS3820NR2	RR2Y		1.0	17	0	4.0	3937	18.2
III		FS	PTR	T.A.Seeds	TS3989RS	RR/STS		1.0	21	0	4.0	3465	17.9
III		FS	PTR	Dyna-Gro	37RY39	RR2Y		1.0	17	0	4.7	3682	17.4
III		FS	PTR	Mid-Atlantic	MAS3977RRII	RR2Y		1.0	18	0	3.3	3858	17.4
III		FS	PTR	USG	73F59R	RR2Y		1.0	15	0	4.0	3587	16.2
III		FS	PTR	T.A.Seeds	TS3919L	LL		1.0	16	0	4.0	3700	15.0
III		FS	PTR	RPM	DB3909RR	RR		1.0	18	0	4.7	3887	15.0
III		FS	PTR	Virginia	V04-7743	CONV		1.0	19	0	3.3	3964	14.6
III		FS	PTR	S.States	RT3971N	RR		1.0	16	0	4.0	3530	14.5
III		FS	PTR	S.States	LL396N	LL		1.0	16	0	4.0	3976	13.5
III		FS	PTR	RPM	DB3809RR	RR		1.0	15	0	4.3	4004	13.3
		Average					---	1.0	17	0	4.0	3783	16.7
		R ²					---	---	0.54	---	0.48	0.66	0.41
		CV					---	---	13.6	---	12.7	6.8	22.3
		LSD (0.10)*					---	---	3.3	---	3.1	346	3.1

Cropping						Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
MG	E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A
III		FS	SUF	Dyna-Gro	37RY39	RR2Y	17-Sep	1.0	28	0	4.3	3266	39.0
III		FS	SUF	Mid-Atlantic	MAS3977RRII	RR2Y	24-Sep	1.0	32	0	3.7	3298	42.9
III		FS	SUF	NK	S39-A3	RR	24-Sep	1.2	28	0	3.7	3503	47.2
III		FS	SUF	RPM	DB3909RR	RR	21-Sep	1.2	33	0	3.7	3107	50.6
III		FS	SUF	RPM	DB3809RR	RR	20-Sep	1.0	27	0	4.0	3161	41.7
III		FS	SUF	S.States	LL396N	LL	27-Sep	1.0	32	0	3.0	3113	49.9
III		FS	SUF	S.States	SS3820NR2	RR2Y	21-Sep	1.0	31	0	3.7	3258	47.0
III		FS	SUF	S.States	SS3910NR2	RR2	22-Sep	1.0	34	0	4.3	2769	42.6
III		FS	SUF	S.States	RT3971N	RR	19-Sep	1.0	28	0	4.0	2867	40.9
III		FS	SUF	T.A.Seeds	TS3989RS	RR/STS	22-Sep	1.0	34	0	3.3	3028	42.8
III		FS	SUF	T.A.Seeds	TS3919L	LL	26-Sep	1.0	30	0	4.0	3038	35.5
III		FS	SUF	USG	73F59R	RR2Y	18-Sep	1.2	29	0	4.0	2975	47.4
III		FS	SUF	USG	73H77	RR/STS	18-Sep	1.0	28	0	4.0	3223	37.2
III		FS	SUF	Virginia	V02-8659	CONV	18-Sep	1.0	37	0	4.0	3763	41.2
III		FS	SUF	Virginia	V04-7743	CONV	17-Sep	1.0	27	0	3.7	3284	24.9
		Average					21-Sep	1.0	31	0	3.8	3177	42.0
		R ²					0.75	0.42	0.76	---	0.58	0.90	0.73
		CV					0.0	11.1	6.9	---	11.4	3.1	11.6
		LSD (0.10)*					3.3	0.2	2.9	---	0.6	147	7.2

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A	
		System	Location	Brand	Variety									
III		FS	WAR	RPM	DB3909RR	RR	12-Oct	1.1	22	0	2.6	3176	30.3	
III		FS	WAR	USG	73H77	RR/STS	14-Oct	1.1	22	0	2.7	2929	24.6	
III		FS	WAR	USG	73F59R	RR2Y	7-Oct	1.3	21	0	2.5	2987	24.4	
III		FS	WAR	Virginia	V02-8659	CONV	8-Oct	1.2	26	0	2.2	3882	22.5	
III		FS	WAR	S.States	SS3910NR2	RR2	9-Oct	1.2	24	0	3.0	3041	22.1	
III		FS	WAR	NK	S39-A3	RR	8-Oct	1.0	18	0	3.0	3221	20.7	
III		FS	WAR	Dyna-Gro	37RY39	RR2Y	4-Oct	1.2	21	0	3.5	3168	20.0	
III		FS	WAR	S.States	LL396N	LL	7-Oct	1.0	21	0	2.8	3043	19.6	
III		FS	WAR	T.A.Seeds	TS3919L	LL	10-Oct	1.0	20	0	2.9	3148	19.1	
III		FS	WAR	Mid-Atlantic	MAS3977RRII	RR2Y	12-Oct	1.0	23	0	2.2	3704	19.1	
III		FS	WAR	T.A.Seeds	TS3989RS	RR/STS	12-Oct	1.0	24	0	2.7	3096	18.9	
III		FS	WAR	Virginia	V04-7743	CONV	8-Oct	1.1	22	0	2.3	3609	18.0	
III		FS	WAR	RPM	DB3809RR	RR	6-Oct	1.1	18	0	3.1	3278	17.7	
III		FS	WAR	S.States	RT3971N	RR	5-Oct	1.2	21	0	2.0	2927	17.3	
III		FS	WAR	S.States	SS3820NR2	RR2Y	6-Oct	1.1	19	0	3.7	3357	15.4	
		Average						8-Oct	1.1	22	0	2.7	3238	20.6
		R ²						0.91	0.68	0.87	---	0.78	0.87	0.63
		CV						0.0	7.4	5.6	---	12.5	4.2	22.1
		LSD (0.10)*						1.7	0.1	1.7	---	0.5	187	6.3

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A	
		System	Location	Brand	Variety									
IV	E	FS	BLK	Progeny	P4510RY	RR2Y/STS		1.0	18	0	3.3	3306	17.7	
IV	E	FS	BLK	RPM	DB4409RR	RR		1.0	21	0	3.7	3354	16.2	
IV	E	FS	BLK	S.States	SS4510NR2	RR2		1.0	19	0	3.0	3637	15.6	
IV	E	FS	BLK	S.States	LL450N	LL		1.0	21	0	4.0	3392	14.5	
IV	E	FS	BLK	T.A.Seeds	TS4499R	RR		1.0	19	0	3.3	2989	14.2	
IV	E	FS	BLK	Hubner	H46-01R2	RR2Y/STS		1.0	18	0	3.0	3449	12.5	
IV	E	FS	BLK	Mid-Atlantic	MAS4399RR/STS	RR/STS		1.0	18	0	3.0	3591	11.1	
IV	E	FS	BLK	S.States	RT4370N	RR		1.0	21	0	3.3	3527	10.5	
IV	E	FS	BLK	Progeny	P4606RR	RR/STS		1.0	19	0	3.7	3427	10.2	
IV	E	FS	BLK	Progeny	P4206RR	RR		1.0	19	0	3.7	3492	9.1	
IV	E	FS	BLK	Mid-Atlantic	MAS4444RRII	RR2Y		1.0	19	0	3.7	2921	8.3	
IV	E	FS	BLK	Virginia	V03-4660	CONV		1.0	21	0	3.3	4496	7.9	
IV	E	FS	BLK	S.States	LL426N	LL		1.0	19	0	3.3	4185	7.7	
IV	E	FS	BLK	Mid-Atlantic	MAS4217NRR	RR		1.0	19	0	3.7	3824	7.5	
IV	E	FS	BLK	S.States	LL430N	LL		1.0	20	0	3.3	3512	7.5	
IV	E	FS	BLK	T.A.Seeds	TS4219L	LL		1.0	22	0	4.0	3130	7.4	
IV	E	FS	BLK	NK	S44-D5	RR		1.0	18	0	3.0	3870	6.8	
IV	E	FS	BLK	Progeny	P4610RY	RR2Y		1.0	21	0	3.0	3495	6.5	
IV	E	FS	BLK	Mid-Atlantic	MAS4666NRR	RR		1.0	21	0	2.7	3909	6.2	
IV	E	FS	BLK	Progeny	P4209RY	RR2Y		1.0	18	0	3.3	3662	5.5	
IV	E	FS	BLK	S.States	RT4470N-STS	RR/STS		1.0	17	0	3.7	3382	4.7	
IV	E	FS	BLK	Hubner	H458NRR/STS	RR/STS		1.0	17	0	3.3	3039	4.7	
IV	E	FS	BLK	USG	74A69R	RR2Y		1.0	19	0	3.0	3744	4.4	
IV	E	FS	BLK	T.A.Seeds	TS4299RS	RR/STS		1.0	19	0	3.3	3178	2.6	
IV	E	FS	BLK	Hubner	H438NRR/STS	RR/STS		1.0	18	0	3.7	3182	1.7	
		Average						---	1.0	19	0	3.4	3508	8.8
		R ²						---	---	0.77	---	0.45	0.70	0.69
		CV						---	---	7.4	---	14.0	8.6	40.2
		LSD (0.10)*						---	---	1.9	---	0.6	413	5.8

MG	E/L	Cropping			Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand									
IV	E	FS	ORG	T.A.Seeds	TS4299RS	RR/STS		1.2	44	0	3.0	2668	60.5
IV	E	FS	ORG	Dyna-Gro	32RY40	RR2Y		1.0	43	0	3.3	2947	59.5
IV	E	FS	ORG	Channel	4500R2	RR2Y		1.3	40	0	3.0	2838	59.2
IV	E	FS	ORG	Hubner	H458NRR/STS	RR/STS		1.0	38	0	3.3	2303	57.5
IV	E	FS	ORG	Dyna-Gro	35X43	RR		1.7	44	0	3.3	3036	56.3
IV	E	FS	ORG	Progeny	P4510RY	RR2Y/STS		1.1	40	0	2.7	2910	55.6
IV	E	FS	ORG	S.States	LL430N	LL		1.0	47	0	2.7	2871	54.6
IV	E	FS	ORG	Mid-Atlantic	MAS4217NRR	RR		1.5	39	0	3.0	3089	53.5
IV	E	FS	ORG	Hubner	H438NRR/STS	RR/STS		1.0	39	0	3.3	2355	53.3
IV	E	FS	ORG	Mid-Atlantic	MAS4444RRII	RR2Y		1.0	49	0	2.0	2804	53.2
IV	E	FS	ORG	Hubner	H46-01R2	RR2Y/STS		1.0	35	0	2.7	2866	53.1
IV	E	FS	ORG	Progeny	P4610RY	RR2Y		1.0	36	0	2.3	2829	52.4
IV	E	FS	ORG	Asgrow	AG4303	RR/STS		1.0	38	0	3.3	2302	52.2
IV	E	FS	ORG	HiSOY	HS42T80	RR/STS		1.3	41	0	2.7	2839	51.9
IV	E	FS	ORG	Asgrow	AG4130	RR2Y		1.0	44	0	2.3	2917	51.7
IV	E	FS	ORG	Progeny	P4209RY	RR2Y		1.2	35	0	3.0	3164	51.1
IV	E	FS	ORG	Asgrow	AG4531	RR2Y/STS		1.0	44	0	2.7	3025	50.9
IV	E	FS	ORG	Progeny	P4206RR	RR		1.0	40	0	3.2	2630	50.2
IV	E	FS	ORG	S.States	LL450N	LL		1.2	50	0	4.0	2760	50.0
IV	E	FS	ORG	HiSOY	HS41A02	RR2Y		1.3	43	0	3.3	2734	49.0
IV	E	FS	ORG	S.States	SS4510NRR2	RR2		1.5	47	0	3.3	2816	48.4
IV	E	FS	ORG	Mid-Atlantic	MAS4399RR/STS	RR/STS		1.3	45	0	3.0	3367	48.3
IV	E	FS	ORG	T.A.Seeds	TS4499R	RR		1.0	41	0	2.7	2695	48.2
IV	E	FS	ORG	Progeny	P4606RR	RR/STS		1.0	39	0	3.0	3192	47.7
IV	E	FS	ORG	S.States	RT4370N	RR		1.0	53	0	3.3	2913	46.9
IV	E	FS	ORG	Channel	4100R2	RR2Y/STS		1.0	40	0	3.7	2578	45.1
IV	E	FS	ORG	Mid-Atlantic	MAS4666NRR	RR		1.5	43	0	2.3	3188	44.4
IV	E	FS	ORG	RPM	DB4409RR	RR		1.0	46	0	3.3	2838	44.4
IV	E	FS	ORG	S.States	RT4470N-STS	RR/STS		1.5	37	0	3.0	2432	42.0
IV	E	FS	ORG	Virginia	V03-4660	CONV		1.3	48	0	2.3	3841	34.3
Average							---	1.2	42	0	3.0	2858	50.9
R ²							---	0.51	0.80	---	0.46	0.89	0.49
CV							---	30.3	10.1	---	20.7	4.9	13.7
LSD (0.10)*							---	0.5	5.6	---	0.8	186	9.3

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
IV	E	FS	PTR	T.A.Seeds	TS4299RS	RR/STS	1.0	19	0	4.0	3375	24.9	
IV	E	FS	PTR	Progeny	P4610RY	RR2Y	1.0	22	0	3.3	3519	24.1	
IV	E	FS	PTR	NK	S44-D5	RR	1.0	21	0	3.7	4096	22.6	
IV	E	FS	PTR	USG	74A69R	RR2Y	1.0	17	0	3.3	3524	22.6	
IV	E	FS	PTR	S.States	SS4510NR2	RR2	1.0	17	0	2.7	3485	22.5	
IV	E	FS	PTR	T.A.Seeds	TS4499R	RR	1.0	21	0	3.3	3463	22.3	
IV	E	FS	PTR	Asgrow	AG4531	RR2Y/STS	1.0	16	0	2.7	3595	21.2	
IV	E	FS	PTR	S.States	RT4470N-STS	RR/STS	1.0	16	0	3.3	3206	20.9	
IV	E	FS	PTR	HiSOY	HS42T80	RR/STS	1.0	17	0	4.0	3373	20.6	
IV	E	FS	PTR	S.States	LL430N	LL	1.0	17	0	2.7	3923	20.6	
IV	E	FS	PTR	S.States	LL450N	LL	1.0	19	0	4.0	3728	20.6	
IV	E	FS	PTR	S.States	RT4370N	RR	1.0	18	0	2.7	3671	20.4	
IV	E	FS	PTR	Dyna-Gro	32RY40	RR2Y	1.0	19	0	2.7	3743	20.4	
IV	E	FS	PTR	Channel	4500R2	RR2Y	1.0	17	0	3.3	3644	19.9	
IV	E	FS	PTR	Mid-Atlantic	MAS4399RR/STS	RR/STS	1.0	19	0	3.0	3937	19.8	
IV	E	FS	PTR	Dyna-Gro	35X43	RR	1.0	18	0	2.7	4071	19.8	
IV	E	FS	PTR	Progeny	P4510RY	RR2Y/STS	1.0	18	0	3.3	3679	19.7	
IV	E	FS	PTR	S.States	LL426N	LL	1.0	20	0	4.0	3488	19.7	
IV	E	FS	PTR	HiSOY	HS41A02	RR2Y	1.0	17	0	4.0	3533	19.3	
IV	E	FS	PTR	Progeny	P4206RR	RR	1.0	17	0	3.3	3409	19.2	
IV	E	FS	PTR	Asgrow	AG4130	RR2Y	1.0	14	0	4.0	3794	19.1	
IV	E	FS	PTR	Progeny	P4209RY	RR2Y	1.0	11	0	3.0	3732	19.1	
IV	E	FS	PTR	NK	S42-T4	RR2Y	1.0	17	0	3.3	3877	19.0	
IV	E	FS	PTR	Asgrow	AG4303	RR/STS	1.0	17	0	3.7	2976	19.0	
IV	E	FS	PTR	RPM	DB4409RR	RR	1.0	19	0	4.0	3377	18.9	
IV	E	FS	PTR	Hubner	H438NRR/STS	RR/STS	1.0	14	0	3.3	3337	18.6	
IV	E	FS	PTR	Dyna-Gro	34RY46	RR2Y/STS	1.0	18	0	3.7	3656	18.2	
IV	E	FS	PTR	Mid-Atlantic	MAS4217NRR	RR	1.0	18	0	3.7	4046	18.2	
IV	E	FS	PTR	Mid-Atlantic	MAS4444RRII	RR2Y	1.0	15	0	2.7	3399	18.1	
IV	E	FS	PTR	USG	74T59	RR	1.0	21	0	4.0	4099	18.1	
IV	E	FS	PTR	Hubner	H46-01R2	RR2Y/STS	1.0	15	0	3.0	3615	17.9	
IV	E	FS	PTR	Mid-Atlantic	MAS4666NRR	RR	1.0	19	0	3.0	4036	17.7	
IV	E	FS	PTR	Progeny	P4606RR	RR/STS	1.0	18	0	3.3	3981	17.6	
IV	E	FS	PTR	USG	74B58	RR/STS	1.0	15	0	2.7	2853	17.6	
IV	E	FS	PTR	Hubner	H458NRR/STS	RR/STS	1.0	16	0	3.0	2926	17.0	
IV	E	FS	PTR	T.A.Seeds	TS3989RS	RR/STS	1.0	19	0	4.0	3390	16.9	
IV	E	FS	PTR	Virginia	V03-4660	CONV	1.0	19	0	3.7	4807	16.1	
IV	E	FS	PTR	Channel	4100R2	RR2Y/STS	1.0	16	0	3.0	3627	14.3	
				Average			---	1.0	17	0	3.3	3631	19.5
				R ²			---	---	0.55	---	0.45	0.79	0.39
				CV			---	---	14.1	---	20.2	6.6	18.4
				LSD (0.10)*			---	---	3.3	---	0.9	330	5.0

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
IV	E	FS	SUF	USG	74T59	RR	5-Oct	1.3	39	0	3.3	3238	50.1
IV	E	FS	SUF	S.States	LL426N	LL	26-Sep	1.0	30	0	4.0	3061	40.9
IV	E	FS	SUF	S.States	LL430N	LL	5-Oct	1.0	36	0	3.7	3206	39.9
IV	E	FS	SUF	T.A.Seeds	TS4299RS	RR/STS	23-Sep	1.0	32	0	3.0	2906	38.7
IV	E	FS	SUF	RPM	DB4409RR	RR	23-Sep	1.0	34	0	4.3	2982	38.4
IV	E	FS	SUF	Asgrow	AG4531	RR2Y/STS	5-Oct	1.0	32	0	2.3	3175	38.2
IV	E	FS	SUF	T.A.Seeds	TS4499R	RR	5-Oct	1.0	29	0	3.3	2950	37.8
IV	E	FS	SUF	NK	S44-D5	RR	5-Oct	1.0	30	0	3.0	3531	37.6
IV	E	FS	SUF	Hubner	H438NRR/STS	RR/STS	27-Sep	1.0	29	0	3.7	2642	37.5
IV	E	FS	SUF	Mid-Atlantic	MAS4399RR/STS	RR/STS	5-Oct	1.2	30	0	3.0	3347	37.2
IV	E	FS	SUF	S.States	RT4370N	RR	26-Sep	1.0	32	0	3.7	3199	36.5
IV	E	FS	SUF	Dyna-Gro	35X43	RR	23-Sep	1.0	27	0	3.7	3321	36.5
IV	E	FS	SUF	Progeny	P4206RR	RR	1-Oct	1.0	30	0	3.3	3055	36.4
IV	E	FS	SUF	USG	74B58	RR/STS	27-Sep	1.0	29	0	3.3	2736	36.1
IV	E	FS	SUF	Progeny	P4510RY	RR2Y/STS	5-Oct	1.0	30	0	3.0	3082	35.7
IV	E	FS	SUF	Progeny	P4610RY	RR2Y	5-Oct	1.0	28	0	3.3	2981	35.5
IV	E	FS	SUF	Mid-Atlantic	MAS4444RRII	RR2Y	5-Oct	1.0	30	0	3.0	3096	34.7
IV	E	FS	SUF	USG	74A69R	RR2Y	6-Oct	1.0	31	0	2.7	2964	34.5
IV	E	FS	SUF	Dyna-Gro	34RY46	RR2Y/STS	5-Oct	1.0	30	0	3.0	3047	34.4
IV	E	FS	SUF	T.A.Seeds	TS3989RS	RR/STS	27-Sep	1.0	34	0	4.0	2866	34.1
IV	E	FS	SUF	Progeny	P4209RY	RR2Y	5-Oct	1.0	27	0	3.3	3224	33.6
IV	E	FS	SUF	Hubner	H458NRR/STS	RR/STS	23-Sep	1.0	27	0	3.3	2748	33.1
IV	E	FS	SUF	Dyna-Gro	32RY40	RR2Y	22-Sep	1.0	31	0	4.0	3283	33.0
IV	E	FS	SUF	Hubner	H46-01R2	RR2Y/STS	5-Oct	1.0	30	0	2.7	3042	32.6
IV	E	FS	SUF	Progeny	P4606RR	RR/STS	6-Oct	1.0	29	0	3.0	3267	32.6
IV	E	FS	SUF	S.States	LL450N	LL	27-Sep	1.0	35	0	4.0	3198	32.6
IV	E	FS	SUF	S.States	SS4510NR2	RR2	27-Sep	1.0	29	0	2.7	3042	32.2
IV	E	FS	SUF	Mid-Atlantic	MAS4666NRR	RR	5-Oct	1.0	31	0	2.7	3235	31.5
IV	E	FS	SUF	Virginia	V03-4660	CONV	8-Oct	1.0	30	0	3.3	4079	30.8
IV	E	FS	SUF	NK	S42-T4	RR2Y	22-Sep	1.0	28	0	3.7	3069	29.0
IV	E	FS	SUF	S.States	RT4470N-STS	RR/STS	27-Sep	1.0	26	0	3.7	2760	28.6
IV	E	FS	SUF	Mid-Atlantic	MAS4217NRR	RR	1-Oct	1.0	22	0	4.0	3484	27.5
IV	E	FS	SUF	Dyna-Gro	37A44	RR	23-Sep	1.0	31	0	3.3	3539	26.9
Average							30-Sep	1.0	30	0	3.3	3132	35.0
R ²							0.73	0.56	0.76	---	0.59	0.93	0.57
CV							0.1	6.9	7.6	---	14.8	3.0	15.5
LSD (0.10)*							5.5	0.1	3.1	---	0.7	128	7.5

		Cropping				Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
MG	E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A
IV	E	FS	WAR	Asgrow	AG4531	RR2Y/STS	4-Nov	1.6	28	0	2.1	2834	59.3
IV	E	FS	WAR	Hubner	H458NRR/STS	RR/STS	3-Nov	1.4	28	0	1.9	3142	49.4
IV	E	FS	WAR	Progeny	P4610RY	RR2Y	31-Oct	1.5	26	0	2.0	3026	47.7
IV	E	FS	WAR	NK	S42-T4	RR2Y	29-Oct	1.2	25	0	1.5	3580	47.2
IV	E	FS	WAR	Channel	4100R2	RR2Y/STS	27-Oct	1.1	26	0	1.8	3042	46.3
IV	E	FS	WAR	Dyna-Gro	34RY46	RR2Y/STS	23-Oct	1.1	25	0	1.8	3319	44.6
IV	E	FS	WAR	S.States	LL430N	LL	24-Oct	1.1	26	0	1.7	3199	44.4
IV	E	FS	WAR	Progeny	P4510RY	RR2Y/STS	29-Oct	1.1	25	0	1.8	3411	44.4
IV	E	FS	WAR	NK	S44-D5	RR	24-Oct	1.2	29	0	2.0	3541	43.6
IV	E	FS	WAR	S.States	RT4370N	RR	27-Oct	1.3	28	0	1.7	3009	42.1
IV	E	FS	WAR	USG	74A69R	RR2Y	28-Oct	1.2	23	0	2.1	3164	40.3
IV	E	FS	WAR	Progeny	P4209RY	RR2Y	28-Oct	1.2	23	0	1.9	3182	40.0
IV	E	FS	WAR	Hubner	H438NRR/STS	RR/STS	28-Oct	1.1	24	0	2.2	2529	39.4
IV	E	FS	WAR	Mid-Atlantic	MAS4399RR/STS	RR/STS	25-Oct	1.2	25	0	2.1	3143	39.3
IV	E	FS	WAR	Dyna-Gro	32RY40	RR2Y	31-Oct	1.3	25	0	1.9	3365	39.0
IV	E	FS	WAR	Hubner	H46-01R2	RR2Y/STS	25-Oct	1.3	29	0	1.7	3644	38.9
IV	E	FS	WAR	T.A.Seeds	TS4499R	RR	28-Oct	1.1	24	0	2.1	2863	38.8
IV	E	FS	WAR	HiSOY	HS41A02	RR2Y	22-Oct	1.1	27	0	2.5	2676	38.4
IV	E	FS	WAR	HiSOY	HS42T80	RR/STS	23-Oct	1.0	23	0	2.2	2561	38.0
IV	E	FS	WAR	T.A.Seeds	TS4299RS	RR/STS	23-Oct	1.1	25	0	2.0	2498	37.4
IV	E	FS	WAR	Mid-Atlantic	MAS4444RRII	RR2Y	22-Oct	1.3	26	0	2.0	3029	36.9
IV	E	FS	WAR	Mid-Atlantic	MAS4666NRR	RR	23-Oct	1.1	23	0	1.9	3513	36.9
IV	E	FS	WAR	USG	74T59	RR	1-Nov	1.2	28	0	2.3	3688	35.6
IV	E	FS	WAR	USG	74B58	RR/STS	25-Oct	1.0	21	0	2.4	2650	35.1
IV	E	FS	WAR	S.States	SS4510NR2	RR2	22-Oct	1.1	26	0	2.1	3058	34.3
IV	E	FS	WAR	Mid-Atlantic	MAS4217NRR	RR	25-Oct	1.2	23	0	2.1	3502	34.2
IV	E	FS	WAR	Progeny	P4206RR	RR	23-Oct	1.1	21	0	2.4	3441	32.8
IV	E	FS	WAR	Channel	4500R2	RR2Y	21-Oct	1.2	25	0	2.1	3342	32.7
IV	E	FS	WAR	Dyna-Gro	35X43	RR	26-Oct	1.1	24	0	2.5	3054	32.5
IV	E	FS	WAR	Progeny	P4606RR	RR/STS	20-Oct	1.2	22	0	2.8	2957	31.6
IV	E	FS	WAR	DYNA-Gro	37A44	RR	24-Oct	1.0	23	0	2.3	3007	30.5
IV	E	FS	WAR	S.States	RT4470N-STS	RR/STS	23-Oct	1.0	22	0	2.6	2664	29.4
IV	E	FS	WAR	S.States	LL450N	LL	20-Oct	1.0	28	0	2.3	3494	29.3
IV	E	FS	WAR	Asgrow	AG4303	RR/STS	19-Oct	1.1	25	0	2.1	2956	28.8
IV	E	FS	WAR	Virginia	V03-4660	CONV	29-Oct	1.0	21	0	1.9	4354	28.0
IV	E	FS	WAR	Asgrow	AG4130	RR2Y	23-Oct	1.0	21	0	2.8	2822	26.9
IV	E	FS	WAR	RPM	DB4409RR	RR	17-Oct	1.1	24	0	3.1	3185	25.1
Average							25-Oct	1.2	25	0	2.1	3147	37.8
R ²							0.65	0.42	0.62	---	0.55	0.78	0.46
CV							0.1	17.3	8.4	---	17.1	7.9	25.3
LSD (0.10)*							4.8	0.3	2.8	---	0.5	333	12.8

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
IV	E	DC	SUF	USG	74A45	RR	12-Oct	1.0	30	0	3.7	3618	34.1
IV	E	DC	SUF	S.States	RT4470N-STS	RR/STS	18-Oct	1.0	29	0	2.3	3634	33.2
IV	E	DC	SUF	USG	74B58	RR/STS	18-Oct	1.0	31	0	3.0	4516	32.6
IV	E	DC	SUF	S.States	LL426N	LL	7-Oct	1.0	29	0	3.0	3674	32.5
IV	E	DC	SUF	Asgrow	AG4303	RR/STS	18-Oct	1.0	23	0	3.3	3493	31.1
IV	E	DC	SUF	S.States	LL450N	LL	18-Oct	1.0	27	0	2.7	4028	30.0
IV	E	DC	SUF	S.States	SS4720NR2	RR2	18-Oct	1.0	25	0	3.0	3776	29.7
IV	E	DC	SUF	RPM	DB4409RR	RR	18-Oct	1.0	25	0	2.3	3625	29.6
IV	E	DC	SUF	T.A.Seeds	TS3919L	LL	18-Oct	1.0	29	0	3.0	3677	28.7
IV	E	DC	SUF	Hubner	H46-01R2	RR2Y/STS	18-Oct	1.0	28	0	2.0	4036	28.7
IV	E	DC	SUF	Progeny	P4610RY	RR2Y	18-Oct	1.0	26	0	2.7	3736	28.6
IV	E	DC	SUF	S.States	RT4370N	RR	12-Oct	1.0	30	0	4.0	4020	28.4
IV	E	DC	SUF	S.States	LL430N	LL	7-Oct	1.0	28	0	3.3	3702	28.2
IV	E	DC	SUF	Virginia	V02-8659	CONV	18-Oct	1.3	30	0	2.7	3727	28.1
IV	E	DC	SUF	T.A.Seeds	TS4299RS	RR/STS	12-Oct	1.0	24	0	3.3	3629	28.0
IV	E	DC	SUF	S.States	SS4510NR2	RR2	12-Oct	1.0	23	0	3.3	3839	27.8
IV	E	DC	SUF	USG	74T59	RR	18-Oct	1.0	26	0	3.3	3584	27.7
IV	E	DC	SUF	Progeny	P4206RR	RR	18-Oct	1.0	27	0	2.3	3846	26.5
IV	E	DC	SUF	Asgrow	AG4531	RR2Y/STS	4-Oct	1.0	28	0	3.0	4069	25.9
IV	E	DC	SUF	S.States	SS4700R2	RR2	18-Oct	1.0	26	0	2.3	4015	25.4
IV	E	DC	SUF	Asgrow	AG4130	RR2Y	12-Oct	1.0	22	0	2.7	3768	25.3
IV	E	DC	SUF	Virginia	V03-4660	CONV	28-Sep	1.0	27	0	3.0	4425	23.4
IV	E	DC	SUF	Progeny	P4209RY	RR2Y	12-Oct	1.0	23	0	3.3	3815	22.9
IV	E	DC	SUF	T.A.Seeds	TS3989RS	RR/STS	6-Oct	1.0	24	0	3.0	3817	22.8
IV	E	DC	SUF	Progeny	P4606RR	RR/STS	18-Oct	1.0	25	0	3.0	4319	22.5
IV	E	DC	SUF	Progeny	P4510RY	RR2Y/STS	18-Oct	1.0	23	0	2.3	3900	22.0
IV	E	DC	SUF	Virginia	V04-7743	CONV	18-Oct	1.0	24	0	2.3	4796	20.9
Average							14-Oct	1.0	26	0	2.9	3892	27.6
R ²							0.57	0.75	0.62	---	0.65	0.73	0.54
CV							0.1	4.7	9.7	---	15.6	6.1	16.6
LSD (0.10)*							7.9	0.1	3.4	---	0.6	325	6.4

Cropping			Location	Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
MG	E/L	System											
IV	L	FS	BLK	North Carolina	NCC05-1261	CONV	7-Oct	1.0	19	0	3.7	4501	23.5
IV	L	FS	BLK	North Carolina	NCC05-1168	CONV	7-Oct	1.0	24	0	4.0	4604	21.0
IV	L	FS	BLK	Virginia	V03-4705	CONV	7-Oct	1.0	25	0	4.0	4355	20.9
IV	L	FS	BLK	Arkansas	UA4910	CONV	7-Oct	1.0	22	0	4.0	4054	20.1
IV	L	FS	BLK	USG	74F96	RR	14-Oct	1.0	22	0	3.3	3885	18.8
IV	L	FS	BLK	Arkansas	UA4805	CONV	7-Oct	1.0	22	0	3.3	5208	16.7
IV	L	FS	BLK	Progeny	P4860LL	LL	7-Oct	1.0	22	0	4.3	3540	16.7
IV	L	FS	BLK	Progeny	P4928LL	LL	11-Oct	1.0	26	0	3.7	4245	16.0
IV	L	FS	BLK	Progeny	P4910	CONV	9-Oct	1.0	25	0	3.7	3851	15.3
IV	L	FS	BLK	USG	74G99L	LL	9-Oct	1.0	26	0	3.7	4077	15.2
IV	L	FS	BLK	Progeny	P4920RY	RR2Y	9-Oct	1.0	21	0	3.0	4455	14.9
IV	L	FS	BLK	S.States	SS4700R2	RR2	7-Oct	1.0	20	0	3.7	3572	14.1
IV	L	FS	BLK	Progeny	P4960LL	LL	7-Oct	1.0	22	0	4.0	4054	13.2
IV	L	FS	BLK	S.States	RT4710N-STS	RR/STS	9-Oct	1.0	22	0	4.0	4011	13.1
IV	L	FS	BLK	Pioneer	94Y70	RR	7-Oct	1.0	20	0	4.3	3481	12.8
IV	L	FS	BLK	Virginia	V04-0807	CONV	11-Oct	1.0	26	0	2.7	4820	12.5
IV	L	FS	BLK	DeltaKing	DKR4744	RR2Y/STS	7-Oct	1.0	22	0	4.0	3332	12.4
IV	L	FS	BLK	T.A.Seeds	TS4819L	LL	7-Oct	1.0	22	0	4.0	3655	12.2
IV	L	FS	BLK	S.States	RT4996N-STS	RR/STS	9-Oct	1.0	22	0	3.7	3919	11.9
IV	L	FS	BLK	Progeny	P4750RR	RR	7-Oct	1.0	23	0	3.7	3838	10.3
IV	L	FS	BLK	Progeny	P4908RR	RR	9-Oct	1.0	20	0	3.3	4186	9.9
IV	L	FS	BLK	Progeny	P4807RR	RR	7-Oct	1.0	20	0	3.7	3649	9.5
IV	L	FS	BLK	USG	74A79R	RR2Y/STS	7-Oct	1.0	19	0	3.3	3408	9.5
IV	L	FS	BLK	S.States	RT4777N	RR	7-Oct	1.0	22	0	3.7	3855	8.9
IV	L	FS	BLK	Progeny	P4906RR	RR	7-Oct	1.0	20	0	3.5	4590	8.3
IV	L	FS	BLK	S.States	SS4720NR2	RR2	7-Oct	1.0	19	0	3.7	3511	8.3
IV	L	FS	BLK	Progeny	P4606RR	RR/STS	7-Oct	1.0	20	0	4.0	3763	8.2
IV	L	FS	BLK	DeltaKing	DK4968	RR	7-Oct	1.0	21	0	3.7	4103	8.2
IV	L	FS	BLK	S.States	RT4888N	R1	7-Oct	1.0	24	0	3.3	3727	8.0
IV	L	FS	BLK	Progeny	P4949RR	RR	9-Oct	1.0	23	0	3.7	3228	7.7
IV	L	FS	BLK	NK	S47-R3	RR	7-Oct	1.0	25	0	3.0	4015	7.3
IV	L	FS	BLK	S.States	RT4808N-STS	RR/STS	7-Oct	1.0	21	0	3.0	3844	6.9
IV	L	FS	BLK	Progeny	P4810RY	RR2Y	7-Oct	1.0	20	0	3.7	3622	4.9
IV	L	FS	BLK	NK	S49-A5	RR	7-Oct	1.0	23	0	2.3	4248	1.9
IV	L	FS	BLK	Virginia	V04-1022	CONV	14-Oct	1.0	22	0	2.7	4957	
Average							8-Oct	1.0	22	0	3.6	4005	12.3
R ²							0.58	---	0.64	---	0.61	0.88	0.73
CV							0.1	---	9.5	---	13.3	5.4	31.4
LSD (0.10)*							2.8	---	2.9	---	0.7	3	5.3

MG	E/L	Cropping			Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand									
IV	L	FS	ORG	DeltaKing	DKR4744	RR2Y/STS	2.0	44	0	2.3	3100	62.2	
IV	L	FS	ORG	S.States	RT4710N-STS	RR/STS	2.0	43	0	3.0	3515	59.5	
IV	L	FS	ORG	HiSOY	HS47R90	RR	2.0	47	0	2.0	3474	59.2	
IV	L	FS	ORG	Channel	4700R2	RR2Y	2.0	55	0	2.7	3241	56.5	
IV	L	FS	ORG	Arkansas	UA4910	CONV	2.0	45	0	2.0	3736	56.0	
IV	L	FS	ORG	S.States	SS4700R2	RR2	2.0	44	0	2.0	3472	55.7	
IV	L	FS	ORG	S.States	RT4996N-STS	RR/STS	2.0	45	0	2.7	3128	55.2	
IV	L	FS	ORG	Progeny	P4906RR	RR	2.0	46	0	2.0	3627	54.5	
IV	L	FS	ORG	HiSOY	HS476	RR/STS	2.0	44	0	3.3	3428	54.0	
IV	L	FS	ORG	Progeny	P4606RR	RR/STS	2.0	44	0	2.7	3308	53.5	
IV	L	FS	ORG	Virginia	V04-1022	CONV	2.0	51	0	2.0	3234	53.1	
IV	L	FS	ORG	S.States	RT4888N	R1	2.0	49	0	2.7	3176	52.2	
IV	L	FS	ORG	Progeny	P4949RR	RR	2.0	52	0	3.3	2908	52.2	
IV	L	FS	ORG	Progeny	P4750RR	RR	2.0	49	0	2.5	3216	52.1	
IV	L	FS	ORG	Progeny	P4908RR	RR	2.0	53	0	1.3	3713	52.0	
IV	L	FS	ORG	S.States	RT4777N	RR	2.0	55	0	1.7	3331	50.8	
IV	L	FS	ORG	Progeny	P4960LL	LL	2.0	46	0	2.3	3425	49.6	
IV	L	FS	ORG	Arkansas	UA4805	CONV	2.0	42	0	1.7	3766	48.2	
IV	L	FS	ORG	Progeny	P4910	CONV	2.0	53	0	2.7	3171	48.1	
IV	L	FS	ORG	Progeny	P4807RR	RR	2.0	47	0	2.0	3426	46.7	
IV	L	FS	ORG	S.States	RT4808N-STS	RR/STS	2.0	53	0	2.7	3446	46.1	
IV	L	FS	ORG	Progeny	P4920RY	RR2Y	2.0	45	0	1.3	4071	45.8	
IV	L	FS	ORG	Progeny	P4810RY	RR2Y	2.0	38	0	2.3	3077	45.5	
IV	L	FS	ORG	S.States	SS4720NR2	RR2	2.0	53	0	3.0	3280	45.3	
IV	L	FS	ORG	DeltaKing	DK4968	RR	2.0	53	0	2.0	3703	44.7	
IV	L	FS	ORG	Progeny	P4928LL	LL	2.0	53	0	2.0	3532	44.5	
IV	L	FS	ORG	Progeny	P4860LL	LL	2.0	46	0	3.7	3075	44.2	
IV	L	FS	ORG	Virginia	V03-4705	CONV	2.0	46	0	2.0	3605	38.2	
IV	L	FS	ORG	T.A.Seeds	TS4819L	LL	2.0	52	0	4.0	3197	37.6	
IV	L	FS	ORG	Virginia	V04-0807	CONV	2.0	57	0	2.0	3823	35.0	
Average							---	2.0	48	0	2.4	3407	49.9
R ²							---	---	0.45	---	0.63	0.69	0.60
CV							---	---	13.4	---	24.9	6.5	14.7
LSD (0.10)*							---	---	8.8	---	0.8	299	10.1

Cropping						Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
MG	E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A
IV	L	FS	PTR	USG	74T98	RR		1.0	18	0	3.3	5244	18.6
IV	L	FS	PTR	North Carolina	NCC05-1261	CONV		1.0	15	0	2.7	4423	18.4
IV	L	FS	PTR	Asgrow	AG4730	RR2Y/STS		1.0	14	0	2.0	3757	18.2
IV	L	FS	PTR	Arkansas	UA4805	CONV		1.0	17	0	3.0	4883	14.5
IV	L	FS	PTR	S.States	RT4996N-STS	RR/STS		1.0	16	0	2.3	3858	14.5
IV	L	FS	PTR	S.States	SS4700R2	RR2		1.0	13	0	2.7	3867	13.4
IV	L	FS	PTR	DeltaKing	DK4968	RR		1.0	15	0	2.0	4470	13.3
IV	L	FS	PTR	Progeny	P4920RY	RR2Y		1.0	19	0	3.3	4715	13.3
IV	L	FS	PTR	DeltaKing	DKR4744	RR2Y/STS		1.0	13	0	3.3	3918	13.3
IV	L	FS	PTR	Arkansas	UA4910	CONV		1.0	15	0	3.3	4355	13.3
IV	L	FS	PTR	Progeny	P4910	CONV		1.0	19	0	2.3	3835	13.0
IV	L	FS	PTR	USG	74W80C	CONV		1.0	19	0	3.0	3206	13.0
IV	L	FS	PTR	USG	7495nRS	RR/STS		1.0	18	0	2.7	3949	12.9
IV	L	FS	PTR	USG	74G78	RR		1.0	14	0	2.7	3751	12.8
IV	L	FS	PTR	Channel	4700R2	RR2Y		1.0	15	0	2.3	3644	12.6
IV	L	FS	PTR	USG	74E88	RR/STS		1.0	14	0	2.7	4326	12.6
IV	L	FS	PTR	NK	S49-A5	RR		1.0	17	0	2.3	3854	12.5
IV	L	FS	PTR	Progeny	P4949RR	RR		1.0	17	0	2.3	3433	12.5
IV	L	FS	PTR	Progeny	P4750RR	RR		1.0	15	0	2.0	3914	12.5
IV	L	FS	PTR	USG	74G99L	LL		1.0	16	0	2.7	3973	12.1
IV	L	FS	PTR	Progeny	P4606RR	RR/STS		1.0	16	0	2.7	3898	12.0
IV	L	FS	PTR	Progeny	P4960LL	LL		1.0	16	0	2.0	4205	11.9
IV	L	FS	PTR	Asgrow	AG4907	RR		1.0	19	0	3.7	4227	11.8
IV	L	FS	PTR	Progeny	P4928LL	LL		1.0	15	0	2.3	4073	11.8
IV	L	FS	PTR	Dyna-Gro	37RY47	RR2Y/STS		1.0	14	0	2.3	3765	11.8
IV	L	FS	PTR	Virginia	V03-4705	CONV		1.0	18	0	4.3	5096	11.7
IV	L	FS	PTR	Progeny	P4906RR	RR		1.0	15	0	3.7	4162	11.5
IV	L	FS	PTR	Pioneer	94Y70	RR		1.0	18	0	2.0	3599	11.4
IV	L	FS	PTR	Dyna-Gro	37A44	RR		1.0	15	0	2.7	3850	11.3
IV	L	FS	PTR	Pioneer	94Y90	RR		1.0	15	0	2.0	3834	11.2
IV	L	FS	PTR	HiSOY	HS476	RR/STS		1.0	15	0	3.0	3866	11.0
IV	L	FS	PTR	Progeny	P4860LL	LL		1.0	16	0	3.0	3765	10.9
IV	L	FS	PTR	USG	74A79R	RR2Y/STS		1.0	17	0	2.3	3653	10.8
IV	L	FS	PTR	S.States	RT4808N-STS	RR/STS		1.0	16	0	2.3	3809	10.8
IV	L	FS	PTR	Progeny	P4908RR	RR		1.0	14	0	2.0	4188	10.6
IV	L	FS	PTR	NK	S47-R3	RR		1.0	13	0	2.7	4399	10.5
IV	L	FS	PTR	North Carolina	NCC05-1168	CONV		1.0	20	0	3.3	4840	10.4
IV	L	FS	PTR	Progeny	P4807RR	RR		1.0	16	0	2.7	4068	10.4
IV	L	FS	PTR	Dyna-Gro	33G48	RR		1.0	15	0	2.0	4279	10.2
IV	L	FS	PTR	S.States	RT4710N-STS	RR/STS		1.0	15	0	2.3	4036	10.2
IV	L	FS	PTR	USG	74A91	RR		1.0	14	0	2.7	4344	10.1
IV	L	FS	PTR	Progeny	P4810RY	RR2Y		1.0	16	0	2.3	3924	10.0
IV	L	FS	PTR	S.States	RT4888N	R1		1.0	15	0	2.3	3798	9.9
IV	L	FS	PTR	Virginia	V04-0807	CONV		1.0	19	0	4.0	5343	9.5
IV	L	FS	PTR	HiSOY	HS47R90	RR		1.0	18	0	2.0	4099	9.3
IV	L	FS	PTR	USG	74F96	RR		1.0	18	0	3.3	4535	9.2
IV	L	FS	PTR	T.A.Seeds	TS4819L	LL		1.0	16	0	3.0	4194	8.7
IV	L	FS	PTR	S.States	SS4720NR2	RR2		1.0	13	0	2.7	3681	8.7
IV	L	FS	PTR	S.States	RT4777N	RR		1.0	15	0	2.3	4372	7.3
IV	L	FS	PTR	Virginia	V04-1022	CONV		1.0	13	0	4.7	6546	6.0
Average							---	1.0	16	0	2.7	4156	11.8
R ²							---	---	0.58	---	0.65	0.88	0.51
CV							---	---	15.7	---	21.9	6.4	24.5
LSD (0.10)*							---	---	3.4	---	0.8	358	3.9

Cropping						Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
MG	E/L	System	Location	Brand	Variety								
IV	L	FS	SUF	Progeny	P4960LL	LL	9-Oct	1.0	32	0	3.3	3506	45.5
IV	L	FS	SUF	Progeny	P4928LL	LL	11-Oct	1.0	33	0	3.7	3488	41.9
IV	L	FS	SUF	USG	74G99L	LL	9-Oct	1.0	30	0	2.3	3380	41.2
IV	L	FS	SUF	S.States	SS4700R2	RR2	9-Oct	1.0	30	0	3.3	3207	39.8
IV	L	FS	SUF	DeltaKing	DK4968	RR	9-Oct	1.0	34	0	2.3	3816	39.0
IV	L	FS	SUF	Pioneer	94Y90	RR	5-Oct	1.0	35	0	3.7	2859	38.8
IV	L	FS	SUF	Arkansas	UA4805	CONV	9-Oct	1.0	31	0	4.0	4121	38.4
IV	L	FS	SUF	Pioneer	94Y70	RR	5-Oct	1.0	35	0	3.3	3097	38.3
IV	L	FS	SUF	USG	74A91	RR	7-Oct	1.0	33	0	4.0	3502	38.2
IV	L	FS	SUF	Progeny	P4750RR	RR	5-Oct	1.0	32	0	3.0	3451	37.2
IV	L	FS	SUF	USG	74W80C	CONV	5-Oct	1.0	33	0	4.0	2727	36.9
IV	L	FS	SUF	Progeny	P4807RR	RR	7-Oct	1.0	34	0	3.0	3256	36.7
IV	L	FS	SUF	North Carolina	NCC05-1261	CONV	7-Oct	1.2	28	0	3.0	3997	36.4
IV	L	FS	SUF	NK	S47-R3	RR	11-Oct	1.0	31	0	3.7	3696	36.2
IV	L	FS	SUF	Dyna-Gro	37RY47	RR2Y/STS	3-Oct	1.0	29	0	3.3	3029	36.1
IV	L	FS	SUF	S.States	RT4710N-STS	RR/STS	7-Oct	1.0	30	0	3.7	3269	36.1
IV	L	FS	SUF	USG	7495nRS	RR/STS	7-Oct	1.0	34	0	3.0	3255	36.0
IV	L	FS	SUF	S.States	RT4996N-STS	RR/STS	11-Oct	1.0	34	0	2.7	3327	35.6
IV	L	FS	SUF	Arkansas	UA4910	CONV	9-Oct	1.0	28	0	4.0	3465	35.5
IV	L	FS	SUF	S.States	RT4777N	RR	11-Oct	1.0	37	0	3.0	3382	35.3
IV	L	FS	SUF	Progeny	P4908RR	RR	5-Oct	1.0	26	0	3.0	3487	35.2
IV	L	FS	SUF	T.A.Seeds	TS4819L	LL	5-Oct	1.0	35	0	4.0	3199	35.1
IV	L	FS	SUF	Asgrow	AG4730	RR2Y/STS	7-Oct	1.0	29	0	3.0	3340	34.7
IV	L	FS	SUF	DeltaKing	DKR4744	RR2Y/STS	5-Oct	1.0	29	0	3.7	3048	34.6
IV	L	FS	SUF	S.States	SS4720NR2	RR2	5-Oct	1.0	31	0	3.7	3185	34.5
IV	L	FS	SUF	Dyna-Gro	33G48	RR	5-Oct	1.0	32	0	3.0	3305	34.4
IV	L	FS	SUF	Progeny	P4606RR	RR/STS	5-Oct	1.0	29	0	4.0	3355	34.2
IV	L	FS	SUF	USG	74G78	RR	9-Oct	1.0	28	0	4.0	3125	34.2
IV	L	FS	SUF	S.States	RT4808N-STS	RR/STS	7-Oct	1.0	29	0	3.3	3408	34.2
IV	L	FS	SUF	Progeny	P4860LL	LL	5-Oct	1.0	34	0	4.0	3236	34.1
IV	L	FS	SUF	NK	S49-A5	RR	7-Oct	1.0	33	0	3.3	3475	34.1
IV	L	FS	SUF	Progeny	P4810RY	RR2Y	5-Oct	1.0	29	0	3.3	3153	34.0
IV	L	FS	SUF	Progeny	P4920RY	RR2Y	11-Oct	1.0	28	0	3.3	3668	33.8
IV	L	FS	SUF	Progeny	P4910	CONV	11-Oct	1.0	34	0	3.3	3246	33.6
IV	L	FS	SUF	USG	74E88	RR/STS	5-Oct	1.0	30	0	4.0	3320	33.4
IV	L	FS	SUF	USG	74F96	RR	11-Oct	1.0	32	0	2.0	3442	33.2
IV	L	FS	SUF	North Carolina	NCC05-1168	CONV	5-Oct	1.0	30	0	2.7	3916	33.0
IV	L	FS	SUF	USG	74T98	RR	9-Oct	1.2	31	0	3.0	4161	32.9
IV	L	FS	SUF	Progeny	P4949RR	RR	9-Oct	1.0	32	0	3.7	2784	32.6
IV	L	FS	SUF	USG	74A79R	RR2Y/STS	5-Oct	1.0	28	0	3.7	3022	31.6
IV	L	FS	SUF	Asgrow	AG4907	RR	11-Oct	1.0	30	0	3.0	3387	31.6
IV	L	FS	SUF	S.States	RT4888N	R1	5-Oct	1.0	30	0	3.0	3332	31.3
IV	L	FS	SUF	Progeny	P4906RR	RR	7-Oct	1.0	32	0	3.7	3774	31.0
IV	L	FS	SUF	Virginia	V03-4705	CONV	11-Oct	1.0	31	0	3.3	3757	30.8
IV	L	FS	SUF	Virginia	V04-0807	CONV	11-Oct	1.0	38	0	3.0	4132	29.9
IV	L	FS	SUF	Virginia	V04-1022	CONV	11-Oct	1.0	26	0	2.0	3928	28.8
Average							7-Oct	1.0	31	0	3.3	3413	35.2
R ²							0.67	0.33	0.67	---	0.64	0.90	0.55
CV							0.1	6.0	7.7	---	15.1	4.2	13.6
LSD (0.10)*							3.0	0.1	3.3	---	0.7	193	6.5

Cropping						Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
MG	E/L	System	Location	Brand	Variety								
IV	L	FS	WAR	Progeny	P4750RR	RR	28-Oct	1.0	26	0	2.6	3567	26.6
IV	L	FS	WAR	Progeny	P4908RR	RR	26-Oct	1.0	23	0	2.0	3684	25.7
IV	L	FS	WAR	S.States	SS4700R2	RR2	26-Oct	1.0	21	0	1.8	3457	25.3
IV	L	FS	WAR	USG	74E88	RR/STS	23-Oct	1.1	23	0	2.4	3373	25.1
IV	L	FS	WAR	Progeny	P4860LL	LL	26-Oct	1.0	26	0	3.3	3176	25.0
IV	L	FS	WAR	NK	S49-A5	RR	26-Oct	1.0	24	0	1.7	3702	24.7
IV	L	FS	WAR	USG	74G99L	LL	30-Oct	1.1	23	0	2.5	3757	24.6
IV	L	FS	WAR	Arkansas	UA4805	CONV	28-Oct	1.0	20	0	1.8	4610	24.6
IV	L	FS	WAR	USG	74A79R	RR2Y/STS	26-Oct	1.0	22	0	2.4	3157	23.7
IV	L	FS	WAR	Pioneer	94Y70	RR	23-Oct	1.1	26	0	2.8	3283	23.5
IV	L	FS	WAR	Asgrow	AG4907	RR	30-Oct	1.1	25	0	2.4	3580	23.5
IV	L	FS	WAR	Dyna-Gro	33G48	RR	25-Oct	1.0	26	0	1.8	3695	23.0
IV	L	FS	WAR	Progeny	P4928LL	LL	31-Oct	1.1	22	0	2.7	3558	22.9
IV	L	FS	WAR	North Carolina	NCC05-1261	CONV	27-Oct	1.0	20	0	1.9	3998	22.8
IV	L	FS	WAR	S.States	RT4777N	RR	26-Oct	1.0	25	0	1.8	3617	22.7
IV	L	FS	WAR	T.A.Seeds	TS4819L	LL	23-Oct	1.0	24	0	3.3	3230	22.2
IV	L	FS	WAR	Progeny	P4910	CONV	30-Oct	1.1	26	0	2.1	3424	22.2
IV	L	FS	WAR	S.States	RT4888N	R1	24-Oct	1.1	25	0	2.3	3477	22.1
IV	L	FS	WAR	North Carolina	NCC05-1168	CONV	28-Oct	1.0	21	0	2.1	3976	21.9
IV	L	FS	WAR	Progeny	P4807RR	RR	27-Oct	1.0	25	0	1.9	3804	21.9
IV	L	FS	WAR	Asgrow	AG4730	RR2Y/STS	25-Oct	1.0	23	0	2.0	3549	21.9
IV	L	FS	WAR	Virginia	V03-4705	CONV	3-Nov	1.0	21	0	2.3	3834	21.7
IV	L	FS	WAR	Channel	4700R2	RR2Y	22-Oct	1.1	22	0	1.8	3383	21.6
IV	L	FS	WAR	Progeny	P4810RY	RR2Y	26-Oct	1.0	22	0	2.2	3205	21.4
IV	L	FS	WAR	HiSOY	HS47R90	RR	27-Oct	1.0	25	0	2.2	3541	21.4
IV	L	FS	WAR	Pioneer	94Y90	RR	24-Oct	1.0	24	0	2.2	3044	21.3
IV	L	FS	WAR	USG	74W80C	CONV	26-Oct	1.0	21	0	2.6	2788	21.3
IV	L	FS	WAR	Progeny	P4606RR	RR/STS	27-Oct	1.0	21	0	2.1	3309	21.3
IV	L	FS	WAR	Progeny	P4960LL	LL	27-Oct	1.0	23	0	2.5	4195	20.9
IV	L	FS	WAR	DeltaKing	DKR4968	RR	25-Oct	1.1	24	0	1.7	4156	20.8
IV	L	FS	WAR	USG	74F96	RR	30-Oct	1.0	25	0	2.2	3627	20.7
IV	L	FS	WAR	Progeny	P4920RY	RR2Y	29-Oct	1.1	22	0	1.9	4045	20.7
IV	L	FS	WAR	Progeny	P4949RR	RR	28-Oct	1.1	25	0	2.4	3040	20.5
IV	L	FS	WAR	DeltaKing	DKR4744	RR2Y/STS	27-Oct	1.0	19	0	2.2	3337	20.3
IV	L	FS	WAR	Arkansas	UA4910	CONV	26-Oct	1.0	20	0	1.7	3598	20.2
IV	L	FS	WAR	USG	74T98	RR	2-Nov	1.0	22	0	2.4	4369	20.2
IV	L	FS	WAR	Progeny	P4906RR	RR	27-Oct	1.0	22	0	2.0	3770	20.0
IV	L	FS	WAR	S.States	SS4720NR2	RR2	23-Oct	1.0	22	0	1.9	3208	19.8
IV	L	FS	WAR	USG	74A91	RR	27-Oct	1.0	21	0	2.2	3788	19.8
IV	L	FS	WAR	USG	74G78	RR	30-Oct	1.0	21	0	2.6	3497	19.7
IV	L	FS	WAR	Dyna-Gro	37RY47	RR2Y/STS	25-Oct	1.0	21	0	2.1	3299	19.7
IV	L	FS	WAR	HiSOY	HS476	RR/STS	27-Oct	1.0	21	0	2.5	3363	19.5
IV	L	FS	WAR	S.States	RT4808N-STS	RR/STS	27-Oct	1.1	24	0	2.1	3521	19.2
IV	L	FS	WAR	USG	7495nRS	RR/STS	28-Oct	1.1	23	0	2.0	3468	18.8
IV	L	FS	WAR	NK	S47-R3	RR	26-Oct	1.0	23	0	1.8	3595	18.6
IV	L	FS	WAR	S.States	RT4710N-STS	RR/STS	26-Oct	1.0	20	0	2.5	3551	18.6
IV	L	FS	WAR	Virginia	V04-1022	CONV	9-Nov	1.0	20	0	2.3	4111	17.4
IV	L	FS	WAR	Virginia	V04-0807	CONV	27-Oct	1.0	26	0	2.1	4284	17.3
IV	L	FS	WAR	S.States	RT4996N-STS	RR/STS	25-Oct	1.0	23	0	2.2	3502	16.7
Average							27-Oct	1.0	23	0	2.2	3594	21.5
R ²							0.90	0.33	0.78	---	0.78	0.92	0.75
CV							0.1	5.8	6.0	---	11.3	3.7	11.2
LSD (0.10)*							1.7	0.1	1.9	---	0.3	183	3.3

MG	E/L	Cropping			Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand									
IV	L	DC	BLK	Progeny	P4928LL	LL	1.0	31	0	2.3	3686	40.0	
IV	L	DC	BLK	USG	74G99L	LL	1.0	29	0	2.3	4200	35.2	
IV	L	DC	BLK	Virginia	V04-1022	CONV	1.0	31	0	1.0	3834	34.9	
IV	L	DC	BLK	Virginia	V03-4705	CONV	1.0	32	0	2.0	3757	30.9	
IV	L	DC	BLK	S.States	RT4996N-STS	RR/STS	1.0	35	0	2.7	3859	29.0	
IV	L	DC	BLK	USG	74T98	RR	1.0	31	0	2.3	4352	28.3	
IV	L	DC	BLK	DeltaKing	DKR4744	RR2Y/STS	1.0	27	0	2.7	3888	26.8	
IV	L	DC	BLK	Progeny	P4920RY	RR2Y	1.0	29	0	2.3	4624	26.7	
IV	L	DC	BLK	Progeny	P4949RR	RR	1.0	32	0	3.7	3267	25.7	
IV	L	DC	BLK	Progeny	P4960LL	LL	1.0	31	0	3.0	4270	25.4	
IV	L	DC	BLK	Progeny	P4710RY	RR2Y/STS	1.0	31	0	3.0	3893	25.4	
IV	L	DC	BLK	Progeny	P4860LL	LL	1.0	31	0	4.0	3813	24.8	
IV	L	DC	BLK	S.States	RT4888N	R1	1.0	34	0	2.7	3870	24.6	
IV	L	DC	BLK	Progeny	P4910	CONV	1.0	34	0	2.3	3949	24.3	
IV	L	DC	BLK	Virginia	V04-0807	CONV	1.0	35	0	2.3	4282	24.1	
IV	L	DC	BLK	Asgrow	AG4730	RR2Y/STS	1.0	28	0	2.7	3995	23.4	
IV	L	DC	BLK	Asgrow	AG4907	RR	1.0	30	0	3.0	4261	22.8	
IV	L	DC	BLK	S.States	RT4808N-STS	RR/STS	1.0	30	0	2.7	3895	22.8	
IV	L	DC	BLK	Progeny	P4810RY	RR2Y	1.0	30	0	3.0	3786	21.9	
IV	L	DC	BLK	Progeny	P4606RR	RR/STS	1.0	27	0	3.3	4134	21.9	
IV	L	DC	BLK	USG	74A79R	RR2Y/STS	1.0	29	0	2.3	3669	21.5	
IV	L	DC	BLK	Progeny	P4908RR	RR	1.0	31	0	2.7	4250	21.0	
IV	L	DC	BLK	Progeny	P4906RR	RR	1.0	33	0	3.0	4660	21.0	
IV	L	DC	BLK	S.States	RT4710N-STS	RR/STS	1.0	28	0	2.7	4227	20.6	
IV	L	DC	BLK	Progeny	P4750RR	RR	1.0	31	0	3.3	3876	19.3	
IV	L	DC	BLK	USG	74W80C	CONV	1.0	31	0	4.0	2985	18.3	
IV	L	DC	BLK	Progeny	P4807RR	RR	1.0	31	0	3.0	4287	17.4	
				Average			---	1.0	31	0	2.8	3984	25.1
				R ²			---	---	0.68	---	0.77	0.85	0.70
				CV			---	---	6.5	---	16.4	4.8	19.6
				LSD (0.10)*			---	---	2.7	---	0.6	264	6.9

MG		Cropping				Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A	
IV	L	DC	PTR	USG	74F96	RR	1.0	25				17.5	
IV	L	DC	PTR	Progeny	P4960LL	LL	1.0	26				16.6	
IV	L	DC	PTR	Channel	4700R2	RR2Y	1.0	24				15.5	
IV	L	DC	PTR	Progeny	P4810RY	RR2Y	1.0	23				15.1	
IV	L	DC	PTR	Progeny	P4928LL	LL	1.0	21				14.9	
IV	L	DC	PTR	Dyna-Gro	33G48	RR	1.0	22				14.9	
IV	L	DC	PTR	Asgrow	AG4907	RR	1.0	23				14.3	
IV	L	DC	PTR	Progeny	P4910	CONV	1.0	24				14.2	
IV	L	DC	PTR	S.States	RT4996N-STS	RR/STS	1.0	24				13.0	
IV	L	DC	PTR	Virginia	V04-0807	CONV	1.0	22				12.9	
IV	L	DC	PTR	USG	74G99L	LL	1.0	20				12.8	
IV	L	DC	PTR	Virginia	V03-4705	CONV	1.0	23				12.1	
IV	L	DC	PTR	NK	S49-A5	RR	1.0	23				11.9	
IV	L	DC	PTR	USG	74W80C	CONV	1.0	24				11.8	
IV	L	DC	PTR	Progeny	P4750RR	RR	1.0	18				11.8	
IV	L	DC	PTR	S.States	RT4808N-STS	RR/STS	1.0	22				11.3	
IV	L	DC	PTR	USG	74E88	RR/STS	1.0	26				11.1	
IV	L	DC	PTR	Progeny	P4949RR	RR	1.0	26				10.8	
IV	L	DC	PTR	USG	74T98	RR	1.0	21				10.4	
IV	L	DC	PTR	Dyna-Gro	V47N8RR	RR	1.0	22				10.3	
IV	L	DC	PTR	Asgrow	AG4730	RR2Y/STS	1.0	20				10.1	
IV	L	DC	PTR	Progeny	P4908RR	RR	1.0	21				10.1	
IV	L	DC	PTR	Progeny	P4920RY	RR2Y	1.0	24				10.1	
IV	L	DC	PTR	USG	74A79R	RR2Y/STS	1.0	22				10.0	
IV	L	DC	PTR	USG	7495nRS	RR/STS	1.0	22				9.7	
IV	L	DC	PTR	Progeny	P4807RR	RR	1.0	24				9.5	
IV	L	DC	PTR	Progeny	P4710RY	RR2Y/STS	1.0	22				9.2	
IV	L	DC	PTR	S.States	RT4710N-STS	RR/STS	1.0	20				9.1	
IV	L	DC	PTR	Progeny	P4906RR	RR	1.0	22				9.0	
IV	L	DC	PTR	S.States	RT4888N	R1	1.0	22				9.0	
IV	L	DC	PTR	Virginia	V04-1022	CONV	1.0	25				8.8	
IV	L	DC	PTR	USG	74A91	RR	1.0	20				8.2	
IV	L	DC	PTR	Progeny	P4606RR	RR/STS	1.0	19				7.7	
IV	L	DC	PTR	DeltaKing	DKR4744	RR2Y/STS	1.0	22				7.6	
IV	L	DC	PTR	Progeny	P4860LL	LL	1.0	29				4.6	
Average							---	1.0	23	---	---	---	11.3
R ²							---	---	0.44	---	---	---	0.37
CV							---	---	14.9	---	---	---	40.4
LSD (0.10)*							---	---	4.6	---	---	---	6.2

MG	E/L	Cropping			Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand									
IV	L	DC	SUF	USG	74G99L	LL	22-Oct	1.0	33	0	2.3	3816	46.8
IV	L	DC	SUF	Progeny	P4810RY	RR2Y	18-Oct	1.0	29	0	3.0	3733	42.1
IV	L	DC	SUF	Progeny	P4960LL	LL	20-Oct	1.0	33	0	3.7	3995	41.9
IV	L	DC	SUF	Progeny	P4928LL	LL	22-Oct	1.0	33	0	2.7	3979	41.4
IV	L	DC	SUF	Progeny	P4606RR	RR/STS	20-Oct	1.0	27	0	3.0	3686	41.4
IV	L	DC	SUF	USG	74W80C	CONV	18-Oct	1.0	33	0	4.0	3135	41.2
IV	L	DC	SUF	Asgrow	AG4730	RR2Y/STS	18-Oct	1.0	30	0	3.0	3906	40.9
IV	L	DC	SUF	Dyna-Gro	V47N8RR	RR	18-Oct	1.0	33	0	3.0	3831	40.3
IV	L	DC	SUF	Progeny	P4910	CONV	20-Oct	1.0	33	0	2.3	3674	40.1
IV	L	DC	SUF	Progeny	P4710RY	RR2Y/STS	18-Oct	1.0	32	0	3.0	3850	39.3
IV	L	DC	SUF	USG	7495nRS	RR/STS	25-Oct	1.0	32	0	2.0	3623	39.2
IV	L	DC	SUF	Dyna-Gro	33G48	RR	18-Oct	1.0	31	0	3.0	4007	38.9
IV	L	DC	SUF	Mid-Atlantic	MAS466NRR	RR	18-Oct	1.0	28	0	2.7	3763	38.5
IV	L	DC	SUF	USG	74F96	RR	22-Oct	1.0	33	0	1.7	3559	37.0
IV	L	DC	SUF	Progeny	P4860LL	LL	18-Oct	1.0	33	0	4.0	3669	36.9
IV	L	DC	SUF	S.States	RT4888N	R1	18-Oct	1.0	32	0	3.0	3899	36.8
IV	L	DC	SUF	Asgrow	AG4907	RR	25-Oct	1.0	32	0	3.0	3888	35.9
IV	L	DC	SUF	Pioneer	94Y90	RR	18-Oct	1.0	33	0	3.7	3604	35.8
IV	L	DC	SUF	Virginia	V03-4705	CONV	18-Oct	1.0	29	0	2.7	4141	35.8
IV	L	DC	SUF	Virginia	V04-1022	CONV	20-Oct	1.0	26	0	2.0	4198	35.6
IV	L	DC	SUF	USG	74E88	RR/STS	18-Oct	1.0	30	0	3.3	4128	35.4
IV	L	DC	SUF	Progeny	P4949RR	RR	20-Oct	1.0	31	0	3.3	3175	35.2
IV	L	DC	SUF	USG	74A91	RR	18-Oct	1.0	30	0	3.3	4223	34.9
IV	L	DC	SUF	USG	74T98	RR	18-Oct	1.0	31	0	2.7	4731	34.6
IV	L	DC	SUF	Progeny	P4807RR	RR	18-Oct	1.0	32	0	3.3	3963	34.1
IV	L	DC	SUF	Progeny	P4908RR	RR	20-Oct	1.0	29	0	3.0	4035	34.1
IV	L	DC	SUF	Progeny	P4920RY	RR2Y	18-Oct	1.0	27	0	3.3	4511	34.1
IV	L	DC	SUF	S.States	RT4996N-STS	RR/STS	18-Oct	1.0	32	0	3.0	3896	33.4
IV	L	DC	SUF	S.States	RT4710N-STS	RR/STS	20-Oct	1.0	28	0	3.3	3956	33.2
IV	L	DC	SUF	S.States	RT4808N-STS	RR/STS	18-Oct	1.0	28	0	3.0	4018	33.0
IV	L	DC	SUF	NK	S49-A5	RR	18-Oct	1.0	32	0	3.3	4166	32.8
IV	L	DC	SUF	Progeny	P4906RR	RR	18-Oct	1.0	32	0	3.0	4252	32.8
IV	L	DC	SUF	Progeny	P4750RR	RR	18-Oct	1.0	29	0	3.0	4068	31.2
IV	L	DC	SUF	Virginia	V04-0807	CONV	18-Oct	1.0	32	0	3.7	4484	27.7
Average							19-Oct	1.0	31	0	3.0	3928	36.8
R ²							0.57	---	0.59	---	0.64	0.76	0.46
CV							0.1	---	8.0	---	16.0	5.7	16.0
LSD (0.10)*							3.6	---	3.3	---	0.7	308	8.1

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
V		FS	BLK	Progeny	P5770	CONV	14-Oct	1.0	30	0	2.0	3341	23.0
V		FS	BLK	Progeny	P5622RR	RR	14-Oct	1.0	29	0	2.0	4362	22.1
V		FS	BLK	Progeny	P5218RR	RR	14-Oct	1.0	27	0	3.0	3520	21.9
V		FS	BLK	Hubner	H51-10R2	RR2Y	7-Oct	1.0	21	0	3.7	4064	21.6
V		FS	BLK	USG	75T18	RR	14-Oct	1.0	25	0	3.3	4747	21.4
V		FS	BLK	Hubner	H58-10R2	RR2Y	14-Oct	1.0	25	0	3.0	3928	21.1
V		FS	BLK	S.States	RT5760N	RR	14-Oct	1.0	32	0	2.3	4037	20.9
V		FS	BLK	Progeny	P5110RY	RR2Y	7-Oct	1.0	24	0	3.3	3732	20.9
V		FS	BLK	Asgrow	AG5531	RR2Y	14-Oct	1.0	23	0	3.3	4197	20.2
V		FS	BLK	North Carolina	NCC05-4512R	RR	7-Oct	1.0	20	0	3.0	4649	20.2
V		FS	BLK	Progeny	P5706RR	RR	14-Oct	1.0	31	0	1.0	3598	20.2
V		FS	BLK	North Carolina	NCC05-7649R	RR	14-Oct	1.0	23	0	2.7	4122	20.1
V		FS	BLK	S.States	RT5450N-STS	RR/STS	14-Oct	1.0	26	0	4.0	3654	20.0
V		FS	BLK	Arkansas	Osage	CONV	11-Oct	1.0	24	0	3.3	4919	19.8
V		FS	BLK	S.States	LL511N	LL	14-Oct	1.0	21	0	3.0	4245	19.8
V		FS	BLK	S.States	SS5110NR2	RR2	7-Oct	1.0	23	0	3.3	3896	19.6
V		FS	BLK	Progeny	P5160LL	LL	14-Oct	1.0	21	0	3.0	4549	19.4
V		FS	BLK	USG	75G90L	LL	14-Oct	1.0	28	0	2.3	4053	19.4
V		FS	BLK	RPM	DB5409RR	RR	14-Oct	1.0	30	0	3.0	4670	19.0
V		FS	BLK	Progeny	P5650RR	RR	14-Oct	1.0	32	0	1.3	4503	18.8
V		FS	BLK	Progeny	P5210RY	RR2Y	11-Oct	1.0	26	0	4.0	4248	18.8
V		FS	BLK	Public	Glenn	CONV	14-Oct	1.0	22	0	3.0	4734	18.0
V		FS	BLK	Progeny	P5460LL	LL	14-Oct	1.0	26	0	3.3	4124	17.9
V		FS	BLK	Hubner	H558NRR	RR	14-Oct	1.0	26	0	2.7	4857	17.8
V		FS	BLK	Progeny	P5960LL	LL	14-Oct	1.0	27	0	2.7	4324	17.7
V		FS	BLK	S.States	RT5160N-STS	RR/STS	14-Oct	1.0	24	0	2.3	4433	17.7
V		FS	BLK	Progeny	P5310RY	RR2Y	14-Oct	1.0	30	0	3.0	4526	17.6
V		FS	BLK	North Carolina	NCC04-1555	CONV	14-Oct	1.0	22	0	2.0	5126	17.5
V		FS	BLK	Progeny	P5610RY	RR2Y	14-Oct	1.0	29	0	3.0	4179	17.3
V		FS	BLK	USG	75J30R	RR2Y	11-Oct	1.0	23	0	3.7	4964	17.0
V		FS	BLK	Mid-Atlantic	MAS5200RR	RR	14-Oct	1.0	23	0	2.3	4508	16.9
V		FS	BLK	Virginia	V03-3650	RR	14-Oct	1.0	26	0	2.7	4594	16.5
V		FS	BLK	S.States	RT5471N-STS	RR/STS	14-Oct	1.0	27	0	2.7	4831	16.3
V		FS	BLK	NK	S51-T8	RR	14-Oct	1.0	26	0	4.0	3735	16.0
V		FS	BLK	USG	75J10R	RR2Y	7-Oct	1.0	22	0	2.7	4542	15.9
V		FS	BLK	Progeny	P5330RR	RR	14-Oct	1.0	26	0	3.0	4532	15.6
V		FS	BLK	Arkansas	Ozark	CONV	11-Oct	1.0	25	0	3.3	4517	15.5
V		FS	BLK	Public	Hutcheson	CONV	14-Oct	1.0	22	0	2.0	4630	15.3
V		FS	BLK	North Carolina	NCC05-1323	CONV	9-Oct	1.0	24	0	3.3	4925	15.1
V		FS	BLK	Progeny	P5115RR	RR	14-Oct	1.0	25	0	2.7	4283	15.0
V		FS	BLK	T.A.Seeds	TS5199R	RR	14-Oct	1.0	28	0	2.0	4665	15.0
V		FS	BLK	USG	75J50R	RR2Y	14-Oct	1.0	26	0	3.3	4387	14.8
V		FS	BLK	Arkansas	R04-357	CONV	14-Oct	1.0	28	0	2.7	5046	14.3
V		FS	BLK	S.States	SS5510NR2	RR2	14-Oct	1.0	23	0	3.3	3923	13.9
V		FS	BLK	S.States	LL595N	LL	14-Oct	1.0	29	0	3.3	4266	13.8
V		FS	BLK	Asgrow	AG5831	RR2Y	14-Oct	1.0	24	0	2.7	4145	13.0
Average							12-Oct	1.0	26	0	2.9	4344	18.0
R ²							0.83	---	0.74	---	0.71	0.76	0.54
CV							0.1	---	8.7	---	17.7	6.8	16.7
LSD (0.10)*							1.7	---	3.0	---	0.7	400	4.2

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
V		FS	ORG	S.States	LL511N	LL		2.2	41	0	2.0	3323	59.1
V		FS	ORG	Progeny	P5210RY	RR2Y		1.0	50	0	2.0	2975	58.2
V		FS	ORG	Progeny	P5160LL	LL		1.0	42	0	1.7	3275	57.9
V		FS	ORG	S.States	SS5110NR2	RR2		1.3	42	0	2.0	3339	55.7
V		FS	ORG	Public	Hutcheson	CONV		1.3	52	0	1.7	2988	55.0
V		FS	ORG	Progeny	P5218RR	RR		2.8	47	0	1.7	2765	54.7
V		FS	ORG	Progeny	P5610RY	RR2Y		1.0	52	0	2.0	2752	52.9
V		FS	ORG	Progeny	P5115RR	RR		1.0	61	0	2.3	3307	52.5
V		FS	ORG	S.States	RT5160N-STS	RR/STS		1.5	54	0	1.3	3378	52.3
V		FS	ORG	T.A.Seeds	TS5199R	RR		1.0	55	0	1.3	3274	52.2
V		FS	ORG	Hubner	H51-10R2	RR2Y		1.0	46	0	2.0	3328	51.5
V		FS	ORG	Progeny	P5960LL	LL		1.0	52	0	1.3	3601	51.0
V		FS	ORG	Progeny	P5330RR	RR		2.0	64	0	1.5	2911	50.6
V		FS	ORG	Progeny	P5110RY	RR2Y		1.5	49	0	1.3	3175	50.5
V		FS	ORG	Progeny	P5460LL	LL		1.5	58	0	2.0	3141	49.7
V		FS	ORG	S.States	LL595N	LL		1.0	51	0	1.3	3604	47.4
V		FS	ORG	Public	Glenn	CONV		2.7	43	0	2.0	3603	46.2
V		FS	ORG	Arkansas	R04-357	CONV		2.7	50	0	1.3	3468	45.9
V		FS	ORG	Arkansas	Ozark	CONV		2.0	57	0	2.7	3030	44.7
V		FS	ORG	Virginia	V03-3650	RR		1.5	49	0	2.0	3579	44.4
V		FS	ORG	Arkansas	Osage	CONV		1.0	44	0	2.0	3320	43.4
V		FS	ORG	Hubner	H58-10R2	RR2Y		1.5	53	0	1.7	2740	41.6
V		FS	ORG	Mid-Atlantic	MAS5200RR	RR		1.7	53	0	1.0	3557	41.3
V		FS	ORG	Hubner	H558NRR	RR		1.7	46	0	1.3	3294	41.1
V		FS	ORG	Progeny	P5310RY	RR2Y		1.5	60	0	2.3	3584	40.5
V		FS	ORG	S.States	SS5510NR2	RR2		1.0	47	0	2.3	3108	39.6
V		FS	ORG	Progeny	P5650RR	RR		2.3	53	0	1.3	3459	39.3
V		FS	ORG	Progeny	P5770	CONV		1.8	51	0	2.0	2955	38.9
V		FS	ORG	Progeny	P5622RR	RR		1.0	55	0	1.5	3317	35.8
V		FS	ORG	RPM	DB5409RR	RR		1.7	55	0	1.7	3293	35.7
V		FS	ORG	Progeny	P5706RR	RR		1.5	53	0	1.3	3243	33.0
		Average					---	1.5	51	0	1.7	3248	47.2
		R ²					---	0.47	0.68	---	0.53	0.85	0.59
		CV					---	50.8	10.0	---	28.7	4.2	16.2
		LSD (0.10)*					---	1.1	6.7	---	0.7	190	10.8

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
V		FS	PTR	USG	7553nRS	RR/STS	1.0	21	0	2.7	4830	10.9	
V		FS	PTR	Progeny	P5218RR	RR	1.0	19	0	3.3	3735	10.9	
V		FS	PTR	Hubner	H51-10R2	RR2Y	1.0	15	0	2.7	4129	10.8	
V		FS	PTR	USG	75T18	RR	1.0	17	0	3.0	4837	9.9	
V		FS	PTR	Progeny	P5622RR	RR	1.0	19	0	2.7	5180	9.3	
V		FS	PTR	Progeny	P5770	CONV	1.0	21	0	3.7	4042	9.1	
V		FS	PTR	Progeny	P5330RR	RR	1.0	20	0	2.0	4028	8.8	
V		FS	PTR	S.States	LL511N	LL	1.0	15	0	2.0	4424	8.7	
V		FS	PTR	USG	75J10R	RR2Y	1.0	13	0	3.0	4693	8.7	
V		FS	PTR	Progeny	P5960LL	LL	1.0	18	0	2.7	5158	8.4	
V		FS	PTR	Progeny	P5160LL	LL	1.0	16	0	2.3	4367	8.3	
V		FS	PTR	Progeny	P5460LL	LL	1.0	15	0	2.7	4304	8.2	
V		FS	PTR	Mid-Atlantic	MAS5200RR	RR	1.0	18	0	3.0	4631	8.1	
V		FS	PTR	T.A.Seeds	TS5199R	RR	1.0	18	0	3.3	4576	8.1	
V		FS	PTR	Arkansas	Osage	CONV	1.0	18	0	2.3	4546	8.1	
V		FS	PTR	North Carolina	NCC05-7649R	RR	1.0	15	0	4.3	5071	8.0	
V		FS	PTR	Dyna-Gro	35F55	RR	1.0	21	0	4.3	6411	7.9	
V		FS	PTR	Progeny	P5115RR	RR	1.0	19	0	2.0	4061	7.6	
V		FS	PTR	Progeny	P5110RY	RR2Y	1.0	15	0	2.7	4312	7.4	
V		FS	PTR	Pioneer	95Y70	RR/STS	1.0	17	0	3.0	5642	7.3	
V		FS	PTR	Stine	6202-4	RR	1.0	19	0	3.0	5606	7.3	
V		FS	PTR	USG	75Z98	RR	1.0	20	0	4.0	5317	7.3	
V		FS	PTR	S.States	LL595N	LL	1.0	21	0	3.7	5364	7.0	
V		FS	PTR	USG	ALLEN	RR	1.0	21	0	3.0	5375	6.9	
V		FS	PTR	Progeny	P5706RR	RR	1.0	20	0	4.3	6618	6.9	
V		FS	PTR	Hubner	H558NRR	RR	1.0	16	0	3.3	4889	6.9	
V		FS	PTR	North Carolina	NCC05-1323	CONV	1.0	17	0	2.7	4641	6.8	
V		FS	PTR	Public	Glenn	CONV	1.0	16	0	3.0	4668	6.8	
V		FS	PTR	S.States	RT5760N	RR	1.0	22	0	4.0	4477	6.8	
V		FS	PTR	North Carolina	NCC05-4512R	RR	1.0	14	0	2.0	4429	6.8	
V		FS	PTR	Arkansas	R04-357	CONV	1.0	19	0	3.7	6792	6.6	
V		FS	PTR	Progeny	P5650RR	RR	1.0	22	0	3.0	5555	6.6	
V		FS	PTR	USG	75T40	RR	1.0	19	0	4.0	5085	6.6	
V		FS	PTR	NK	S51-T8	RR	1.0	16	0	3.7	4066	6.6	
V		FS	PTR	Asgrow	AG5831	RR2Y	1.0	16	0	4.0	4929	6.5	
V		FS	PTR	North Carolina	NCC04-1555	CONV	1.0	18	0	2.7	5137	6.5	
V		FS	PTR	Progeny	P5610RY	RR2Y	1.0	20	0	4.3	6342	6.4	
V		FS	PTR	S.States	RT5450N-STS	RR/STS	1.0	17	0	4.0	4138	6.4	
V		FS	PTR	S.States	SS5110NR2	RR2	1.0	15	0	2.3	4150	6.3	
V		FS	PTR	USG	75J50R	RR2Y	1.0	18	0	3.3	4280	6.2	
V		FS	PTR	Asgrow	AG5531	RR2Y	1.0	14	0	3.7	5247	6.2	
V		FS	PTR	RPM	DB5409RR	RR	1.0	20	0	3.7	5056	6.2	
V		FS	PTR	USG	75J32	RR	1.0	14	0	3.3	4583	6.1	
V		FS	PTR	USG	75M16	RR/STS	1.0	18	0	3.3	4541	6.0	
V		FS	PTR	Dyna-Gro	32A53	RR	1.0	20	0	3.0	3891	6.0	
V		FS	PTR	S.States	RT5160N-STS	RR/STS	1.0	18	0	3.7	4640	5.8	
V		FS	PTR	Arkansas	Ozark	CONV	1.0	19	0	3.7	4861	5.6	
V		FS	PTR	Hubner	H58-10R2	RR2Y	1.0	20	0	4.0	4820	5.6	
V		FS	PTR	Pioneer	95M82	RR	1.0	20	0	4.0	6945	5.6	
V		FS	PTR	USG	75M49	RR	1.0	19	0	4.0	4911	5.5	
V		FS	PTR	S.States	SS5510NR2	RR2	1.0	15	0	3.0	4316	5.4	
V		FS	PTR	Progeny	P5210RY	RR2Y	1.0	16	0	3.0	3884	5.3	
V		FS	PTR	Stine	52LA02	LL	1.0	14	0	3.3	5145	5.1	
V		FS	PTR	USG	75J30R	RR2Y	1.0	15	0	3.3	5149	5.1	
V		FS	PTR	Virginia	V03-3650	RR	1.0	16	0	3.7	5314	5.0	
V		FS	PTR	S.States	RT5471N-STS	RR/STS	1.0	15	0	2.7	5028	4.9	
V		FS	PTR	Stine	51LA02	LL	1.0	16	0	2.7	5133	4.9	
V		FS	PTR	Progeny	P5310RY	RR2Y	1.0	15	0	3.3	5442	4.8	
V		FS	PTR	Public	Hutcheson	CONV	1.0	15	0	4.0	4762	4.5	
V		FS	PTR	USG	75G90L	LL	1.0	22	0	3.7	6357	4.5	
V		FS	PTR	Channel	5351R	RR/STS	1.0	19	0	4.0	5261	4.2	
V		FS	PTR	Stine	58LA02	LL	1.0	18	0	4.0	7975	3.7	
		Average					---	1.0	18	0	3.3	4969	6.9
		R ²					---	---	0.65	---	0.54	0.49	0.38
		CV					---	---	12.7	---	23.1	21.8	37.5
		LSD (0.10)*					---	---	3.1	---	1.0	1467	3.5

Cropping						Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A	
MG	E/L	System	Location	Brand	Variety									
V		FS	SUF	Progeny	P5218RR	RR	21-Oct	1.0	32	0	2.7	2950	44.7	
V		FS	SUF	Public	Glenn	CONV	15-Oct	1.0	28	0	3.0	3586	44.6	
V		FS	SUF	Progeny	P5460LL	LL	16-Oct	1.0	35	0	3.0	3449	42.7	
V		FS	SUF	Stine	6202-4	RR	1-Nov	1.2	34	0	1.0	3171	42.5	
V		FS	SUF	Stine	52LA02	LL	13-Oct	1.0	34	0	2.3	3570	41.0	
V		FS	SUF	Dyna-Gro	32A53	RR	18-Oct	1.2	36	0	3.3	2949	40.7	
V		FS	SUF	Arkansas	R04-357	CONV	16-Oct	1.0	30	0	2.3	3881	40.7	
V		FS	SUF	Stine	51LA02	LL	16-Oct	1.0	28	0	2.0	3552	39.7	
V		FS	SUF	Channel	5351R	RR/STS	16-Oct	1.2	39	0	3.3	3326	39.3	
V		FS	SUF	Progeny	P5960LL	LL	23-Oct	1.0	36	0	1.7	3881	38.9	
V		FS	SUF	S.States	RT5160N-STS	RR/STS	16-Oct	1.0	31	0	2.7	3693	38.8	
V		FS	SUF	Progeny	P5622RR	RR	20-Oct	1.2	35	0	2.0	3364	38.6	
V		FS	SUF	S.States	RT5760N	RR	23-Oct	1.0	36	0	2.0	3128	38.4	
V		FS	SUF	Progeny	P5706RR	RR	29-Oct	1.0	35	0	1.3	3560	37.9	
V		FS	SUF	USG	75J30R	RR2Y	16-Oct	1.0	31	0	2.7	3703	37.7	
V		FS	SUF	Progeny	P5110RY	RR2Y	13-Oct	1.0	33	0	3.0	3048	37.6	
V		FS	SUF	USG	75M16	RR/STS	11-Oct	1.0	34	0	3.0	3767	37.4	
V		FS	SUF	Arkansas	Osage	CONV	11-Oct	1.0	29	0	2.7	3907	37.3	
V		FS	SUF	Progeny	P5650RR	RR	29-Oct	1.2	34	0	1.0	3876	37.2	
V		FS	SUF	T.A.Seeds	TS5199R	RR	18-Oct	1.0	29	0	1.7	3677	37.1	
V		FS	SUF	S.States	LL511N	LL	11-Oct	1.0	29	0	3.3	3522	37.0	
V		FS	SUF	Hubner	H58-10R2	RR2Y	13-Oct	1.0	34	0	3.0	3097	36.6	
V		FS	SUF	Progeny	P5310RY	RR2Y	11-Oct	1.0	38	0	3.3	3758	36.3	
V		FS	SUF	Progeny	P5770	CONV	27-Oct	1.0	32	0	1.3	2915	36.2	
V		FS	SUF	Virginia	V03-3650	RR	13-Oct	1.0	32	0	2.7	3631	36.2	
V		FS	SUF	USG	75Z98	RR	25-Oct	1.2	33	0	2.0	3240	36.0	
V		FS	SUF	S.States	LL595N	LL	22-Oct	1.2	33	0	2.0	3931	35.8	
V		FS	SUF	USG	7553nRS	RR/STS	20-Oct	1.0	32	0	1.7	4166	35.8	
V		FS	SUF	Progeny	P5610RY	RR2Y	16-Oct	1.0	31	0	3.0	3236	35.8	
V		FS	SUF	Progeny	P5115RR	RR	11-Oct	1.2	42	0	3.3	3440	35.6	
V		FS	SUF	NK	S51-T8	RR	13-Oct	1.0	33	0	3.7	3292	35.5	
V		FS	SUF	S.States	SS5110NR2	RR2	15-Oct	1.0	32	0	3.0	3113	35.5	
V		FS	SUF	Progeny	P5160LL	LL	19-Oct	1.0	25	0	1.7	3493	35.5	
V		FS	SUF	USG	75M49	RR	19-Oct	1.0	30	0	3.0	3389	35.3	
V		FS	SUF	Asgrow	AG5531	RR2Y	16-Oct	1.0	28	0	2.0	3260	35.3	
V		FS	SUF	Dyna-Gro	35F55	RR	19-Oct	1.0	37	0	2.0	3225	35.2	
V		FS	SUF	USG	75T40	RR	21-Oct	1.0	30	0	2.3	3488	34.9	
V		FS	SUF	North Carolina	NCC05-4512R	RR	11-Oct	1.0	28	0	4.0	3655	34.8	
V		FS	SUF	Progeny	P5330RR	RR	16-Oct	1.2	35	0	2.7	3246	34.8	
V		FS	SUF	Hubner	H51-10R2	RR2Y	11-Oct	1.0	28	0	3.3	3223	34.7	
V		FS	SUF	North Carolina	NCC05-1323	CONV	13-Oct	1.0	26	0	2.7	3777	34.7	
V		FS	SUF	USG	ALLEN	RR	27-Oct	1.0	37	0	1.0	3604	34.4	
V		FS	SUF	USG	75J50R	RR2Y	16-Oct	1.0	35	0	2.7	3367	34.3	
V		FS	SUF	Arkansas	Ozark	CONV	11-Oct	1.0	34	0	3.3	3475	34.1	
V		FS	SUF	USG	75T18	RR	11-Oct	1.2	35	0	4.0	4026	34.0	
V		FS	SUF	Mid-Atlantic	MA55200RR	RR	11-Oct	1.0	30	0	3.3	3534	33.8	
V		FS	SUF	S.States	SS5510NR2	RR2	11-Oct	1.0	31	0	4.0	3432	33.3	
V		FS	SUF	Public	Hutcheson	CONV	11-Oct	1.0	30	0	4.0	3649	33.2	
V		FS	SUF	USG	75J32	RR	13-Oct	1.0	32	0	3.3	3596	33.2	
V		FS	SUF	S.States	RT5471N-STS	RR/STS	13-Oct	1.0	30	0	1.7	4069	32.9	
V		FS	SUF	Progeny	P5210RY	RR2Y	11-Oct	1.0	33	0	3.7	3316	32.8	
V		FS	SUF	Pioneer	95Y70	RR/STS	27-Oct	1.3	37	0	2.0	3786	32.6	
V		FS	SUF	USG	75J10R	RR2Y	11-Oct	1.0	29	0	3.0	3850	32.4	
V		FS	SUF	Stine	58LA02	LL	25-Oct	1.0	31	0	3.7	3948	32.4	
V		FS	SUF	Hubner	H558NRR	RR	13-Oct	1.0	30	0	2.3	4058	32.2	
V		FS	SUF	Pioneer	95M82	RR	21-Oct	1.0	34	0	2.3	3524	31.9	
V		FS	SUF	RPM	DB5409RR	RR	18-Oct	1.2	39	0	3.3	3682	31.9	
V		FS	SUF	Asgrow	AG5831	RR2Y	13-Oct	1.0	29	0	2.7	3435	31.4	
V		FS	SUF	USG	75G90L	LL	25-Oct	1.0	31	0	3.0	3787	31.4	
V		FS	SUF	North Carolina	NCC04-1555	CONV	23-Oct	1.0	28	0	2.0	4366	30.3	
V		FS	SUF	S.States	RT5450N-STS	RR/STS	19-Oct	1.0	31	0	3.3	3098	30.2	
V		FS	SUF	North Carolina	NCC05-7649R	RR	25-Oct	1.0	26	0	2.7	3531	30.2	
Average							17-Oct	1.0	32	0	2.6	3537	35.9	
R ²								0.74	0.36	0.59	---	0.59	0.86	0.40
CV								0.1	12.2	11.1	---	32.2	4.5	14.6
LSD (0.10)*								3.0	0.2	3.0	---	3.0	216	7.1

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
V		FS	WAR	Progeny	P5622RR	RR	16-Nov	1.1	25	0	2.8	3282	34.2
V		FS	WAR	Arkansas	Osage	CONV	11-Nov	1.1	22	0	2.3	3997	30.9
V		FS	WAR	Progeny	P5110RY	RR2Y	1-Nov	1.0	23	0	2.4	3389	29.8
V		FS	WAR	USG	ALLEN	RR	25-Nov	1.0	25	0	2.2	3200	29.4
V		FS	WAR	Arkansas	R04-357	CONV	12-Nov	1.1	25	0	2.8	3846	29.1
V		FS	WAR	USG	75Z98	RR	14-Nov	1.1	25	0	2.1	3200	28.8
V		FS	WAR	USG	75M16	RR/STS	4-Nov	1.1	24	0	2.8	3774	27.7
V		FS	WAR	Progeny	P5115RR	RR	6-Nov	1.1	27	0	2.7	3406	27.4
V		FS	WAR	Progeny	P5960LL	LL	15-Nov	1.0	25	0	2.7	3558	27.1
V		FS	WAR	Progeny	P5310RY	RR2Y	1-Nov	1.1	29	0	2.4	3926	26.8
V		FS	WAR	Dyna-Gro	35F55	RR	11-Nov	1.2	25	0	2.6	3106	26.5
V		FS	WAR	Stine	51LA02	LL	4-Nov	1.0	19	0	2.2	3777	26.2
V		FS	WAR	RPM	DB5409RR	RR	15-Nov	1.1	27	0	3.1	3676	26.2
V		FS	WAR	Stine	52LA02	LL	5-Nov	1.0	22	0	3.0	3821	26.0
V		FS	WAR	Dyna-Gro	32A53	RR	11-Nov	1.0	24	0	2.7	3122	26.0
V		FS	WAR	Progeny	P5706RR	RR	21-Nov	1.1	25	0	2.5	3493	25.8
V		FS	WAR	USG	75J10R	RR2Y	31-Oct	1.0	21	0	1.9	3938	25.7
V		FS	WAR	USG	7553nRS	RR/STS	6-Nov	1.0	24	0	2.2	4300	25.5
V		FS	WAR	S.States	LL595N	LL	11-Nov	1.0	24	0	2.4	3923	25.4
V		FS	WAR	Progeny	P5330RR	RR	12-Nov	1.0	23	0	2.7	3163	24.9
V		FS	WAR	Progeny	P5218RR	RR	13-Nov	1.1	21	0	2.8	2847	24.9
V		FS	WAR	Progeny	P5460LL	LL	3-Nov	1.0	21	0	2.9	3515	24.8
V		FS	WAR	Pioneer	95M82	RR	10-Nov	1.0	26	0	2.6	3862	24.7
V		FS	WAR	North Carolina	NCC04-1555	CONV	15-Nov	1.0	20	0	2.1	4366	24.7
V		FS	WAR	Progeny	P5160LL	LL	7-Nov	1.0	18	0	1.8	3591	24.6
V		FS	WAR	Stine	6202-4	RR	17-Nov	1.0	23	0	2.2	2853	24.0
V		FS	WAR	Public	Glenn	CONV	3-Nov	1.0	18	0	2.0	4057	23.8
V		FS	WAR	USG	75G90L	LL	10-Nov	1.0	25	0	2.2	3642	23.6
V		FS	WAR	Channel	5351R	RR/STS	8-Nov	1.0	23	0	2.9	3068	23.6
V		FS	WAR	Progeny	P5770	CONV	14-Nov	1.1	24	0	2.8	2846	23.5
V		FS	WAR	Progeny	P5210RY	RR2Y	1-Nov	1.0	22	0	2.4	3532	23.4
V		FS	WAR	Asgrow	AG5831	RR2Y	7-Nov	1.0	19	0	2.5	3479	23.1
V		FS	WAR	S.States	RT5450N-STS	RR/STS	9-Nov	1.0	22	0	2.9	3147	23.1
V		FS	WAR	USG	75T18	RR	3-Nov	1.1	22	0	3.1	4001	23.0
V		FS	WAR	USG	75J32	RR	4-Nov	1.0	22	0	2.4	3504	23.0
V		FS	WAR	North Carolina	NCC05-7649R	RR	12-Nov	1.0	18	0	1.9	3763	22.9
V		FS	WAR	Progeny	P5610RY	RR2Y	7-Nov	1.1	24	0	2.7	3254	22.9
V		FS	WAR	Hubner	H51-10R2	RR2Y	30-Oct	1.0	21	0	2.9	3415	22.9
V		FS	WAR	Asgrow	AG5531	RR2Y	30-Oct	1.1	23	0	2.9	3838	22.9
V		FS	WAR	Arkansas	Ozark	CONV	5-Nov	1.0	21	0	2.0	3882	22.7
V		FS	WAR	Hubner	H558NRR	RR	6-Nov	1.0	23	0	2.7	3754	22.7
V		FS	WAR	S.States	SS5110NR2	RR2	4-Nov	1.0	20	0	2.2	3422	22.6
V		FS	WAR	USG	75J30R	RR2Y	31-Oct	1.0	22	0	2.8	4018	22.5
V		FS	WAR	Progeny	P5650RR	RR	18-Nov	1.1	26	0	2.3	3718	22.4
V		FS	WAR	Public	Hutcheson	CONV	13-Nov	1.0	20	0	3.1	3528	22.3
V		FS	WAR	Hubner	H58-10R2	RR2Y	5-Nov	1.0	24	0	2.3	3398	22.0
V		FS	WAR	S.States	RT5760N	RR	11-Nov	1.1	24	0	3.1	3113	21.9
V		FS	WAR	Pioneer	95Y70	RR/STS	20-Nov	1.2	28	0	2.3	3515	21.8
V		FS	WAR	USG	75M49	RR	10-Nov	1.0	23	0	3.0	3694	21.5
V		FS	WAR	S.States	RT5160N-STS	RR/STS	4-Nov	1.0	21	0	2.4	3983	21.2
V		FS	WAR	Virginia	V03-3650	RR	7-Nov	1.0	21	0	2.9	4009	21.1
V		FS	WAR	NK	S51-T8	RR	31-Oct	1.0	23	0	3.3	3230	21.0
V		FS	WAR	Mid-Atlantic	MAS5200RR	RR	9-Nov	1.0	21	0	3.1	3840	20.8
V		FS	WAR	S.States	LL511N	LL	29-Oct	1.0	20	0	2.1	3830	20.7
V		FS	WAR	T.A.Seeds	TS5199R	RR	6-Nov	1.0	22	0	2.4	3856	20.5
V		FS	WAR	North Carolina	NCC05-1323	CONV	30-Oct	1.0	18	0	2.9	3753	20.2
V		FS	WAR	USG	75J50R	RR2Y	3-Nov	1.0	23	0	2.7	3191	20.1
V		FS	WAR	North Carolina	NCC05-4512R	RR	31-Oct	1.0	16	0	2.2	3997	20.0
V		FS	WAR	USG	75T40	RR	12-Nov	1.0	21	0	2.7	3635	19.8
V		FS	WAR	Stine	58LA08	LL	10-Nov	1.0	20	0	2.8	3880	19.4
V		FS	WAR	S.States	RT5471N-STS	RR/STS	7-Nov	1.0	22	0	2.2	4153	18.7
V		FS	WAR	S.States	SS5510NR2	RR2	1-Nov	1.0	22	0	2.9	3299	16.7
		Average					8-Nov	1.0	23	0	2.6	3600	23.9
		R ²					0.81	0.50	0.73	---	0.61	0.90	0.65
		CV					0.1	6.4	8.7	---	13.8	4.0	13.2
		LSD (0.10)*					5.0	0.1	2.7	---	0.5	198	4.4

MG	E/L	Cropping			Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand									
V		DC	BLK	Public	Glenn	CONV		1.0	32	0	1.7	3356	39.7
V		DC	BLK	Progeny	P5650RR	RR		1.0	39	0	1.0	3569	39.5
V		DC	BLK	Progeny	P5960LL	LL		1.0	36	0	2.0	3280	38.3
V		DC	BLK	Virginia	V03-3650	RR		1.0	32	0	2.0	3057	38.3
V		DC	BLK	Progeny	P5460LL	LL		1.0	29	0	2.0	3238	38.0
V		DC	BLK	Hubner	H558NRR	RR		1.0	34	0	1.7	3398	37.5
V		DC	BLK	S.States	LL595N	LL		1.0	35	0	2.0	3435	37.4
V		DC	BLK	Asgrow	AG5831	RR2Y		1.0	32	0	1.3	3293	36.7
V		DC	BLK	RPM	DB5409RR	RR		1.0	39	0	1.7	3357	36.1
V		DC	BLK	Progeny	P5610RY	RR2Y		1.0	36	0	1.3	3396	35.9
V		DC	BLK	Progeny	P5160LL	LL		1.0	31	0	2.0	3734	35.8
V		DC	BLK	S.States	LL511N	LL		1.0	27	0	2.3	3868	35.4
V		DC	BLK	USG	75Z98	RR		1.0	33	0	1.3	3051	35.2
V		DC	BLK	USG	75J20R	RR2Y		1.0	33	0	2.3	3342	35.0
V		DC	BLK	S.States	SS5110NR2	RR2		1.0	35	0	2.3	3427	34.7
V		DC	BLK	S.States	RT5471N-ST5	RR/STS		1.0	32	0	1.3	3526	34.7
V		DC	BLK	Asgrow	AG5531	RR2Y		1.0	33	0	2.0	3586	34.4
V		DC	BLK	Progeny	P5770	CONV		1.0	35	0	2.0	2904	33.7
V		DC	BLK	Progeny	P5622RR	RR		1.0	34	0	1.7	3213	32.0
V		DC	BLK	Public	Hutcheson	CONV		1.0	30	0	1.3	3650	31.4
V		DC	BLK	Progeny	P5310RY	RR2Y		1.0	34	0	2.0	3386	31.2
V		DC	BLK	S.States	RT5160N-ST5	RR/STS		1.0	37	0	2.0	3127	30.6
V		DC	BLK	Progeny	P5330RR	RR		1.0	38	0	2.0	3418	30.5
V		DC	BLK	S.States	RT5760N	RR		1.0	40	0	1.7	2911	30.5
V		DC	BLK	Progeny	P5210RY	RR2Y		1.0	34	0	3.0	3449	29.9
V		DC	BLK	Progeny	P5706RR	RR		1.0	35	0	1.0	2979	29.8
V		DC	BLK	USG	75J50R	RR2Y		1.0	31	0	3.7	3374	29.6
V		DC	BLK	S.States	SS5510NR2	RR2		1.0	29	0	3.0	3613	29.3
V		DC	BLK	S.States	RT5450N-ST5	RR/STS		1.0	35	0	2.7	2900	28.7
V		DC	BLK	Progeny	P5110RY	RR2Y		1.0	33	0	3.0	3435	28.6
V		DC	BLK	USG	75J10R	RR2Y		1.0	36	0	2.3	4633	28.2
V		DC	BLK	Progeny	P5218RR	RR		1.0	34	0	2.3	2847	26.7
V		DC	BLK	Progeny	P5115RR	RR		1.0	34	0	2.7	3390	26.6
				Average			---	1.0	34	0	2.0	3384	33.3
				R ²			---	---	0.72	---	0.71	0.70	0.53
				CV			---	---	6.9	---	25.0	8.5	15.5
				LSD (0.10)*			---	---	3.2	---	0.7	394	7.1

MG	E/L	Cropping				Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS %	SQ 1-5	SS seed/lb	Yield Bu/A
		System	Location	Brand	Variety								
V		DC	PTR	USG	75M49	RR	1.0	23				13.2	
V		DC	PTR	Asgrow	AG5831	RR2Y	1.0	19				13.0	
V		DC	PTR	Progeny	P5160LL	LL	1.0	19				12.5	
V		DC	PTR	Stine	5400-4	RR	1.0	26				12.4	
V		DC	PTR	Progeny	P5330RR	RR	1.0	22				12.2	
V		DC	PTR	Progeny	P5460LL	LL	1.0	19				12.0	
V		DC	PTR	Hubner	H558NRR	RR	1.0	21				11.7	
V		DC	PTR	Virginia	V03-3650	RR	1.0	24				11.6	
V		DC	PTR	Progeny	P5115RR	RR	1.0	22				11.6	
V		DC	PTR	Pioneer	95Y70	RR/STS	1.0	30				11.2	
V		DC	PTR	Stine	6202-4	RR	1.0	24				10.9	
V		DC	PTR	S.States	RT5471N-STS	RR/STS	1.0	19				10.9	
V		DC	PTR	Progeny	P5310RY	RR2Y	1.0	20				10.7	
V		DC	PTR	Dyna-Gro	35F55	RR	1.0	26				10.6	
V		DC	PTR	Stine	51LA02	LL	1.0	22				10.6	
V		DC	PTR	RPM	DB5409RR	RR	1.0	27				10.6	
V		DC	PTR	USG	75J50R	RR2Y	1.0	21				10.5	
V		DC	PTR	S.States	LL511N	LL	1.0	24				10.3	
V		DC	PTR	USG	75J10R	RR2Y	1.0	19				9.9	
V		DC	PTR	S.States	RT5760N	RR	1.0	20				9.6	
V		DC	PTR	USG	75J20R	RR2Y	1.0	21				9.6	
V		DC	PTR	USG	7553nRS	RR/STS	1.0	23				9.6	
V		DC	PTR	Progeny	P5650RR	RR	1.0	27				9.5	
V		DC	PTR	USG	75Z38	RR	1.0	20				9.4	
V		DC	PTR	S.States	SS5510NR2	RR2	1.0	17				9.4	
V		DC	PTR	Public	Glenn	CONV	1.0	19				9.3	
V		DC	PTR	S.States	LL595N	LL	1.0	17				9.2	
V		DC	PTR	USG	75T40	RR	1.0	23				9.1	
V		DC	PTR	Asgrow	AG5531	RR2Y	1.0	21				9.0	
V		DC	PTR	Progeny	P5218RR	RR	1.0	24				8.9	
V		DC	PTR	Progeny	P5770	CONV	1.0	22				8.7	
V		DC	PTR	USG	75Z98	RR	1.0	23				8.3	
V		DC	PTR	USG	ALLEN	RR	1.0	23				8.2	
V		DC	PTR	Progeny	P5610RY	RR2Y	1.0	20				7.9	
V		DC	PTR	Progeny	P5210RY	RR2Y	1.0	24				7.8	
V		DC	PTR	Public	Hutcheson	CONV	1.0	21				7.7	
V		DC	PTR	Progeny	P5110RY	RR2Y	1.0	19				7.7	
V		DC	PTR	Pioneer	95M82	RR	1.0	26				7.6	
V		DC	PTR	USG	75T18	RR	1.0	18				7.5	
V		DC	PTR	S.States	SS5110NR2	RR2	1.0	20				7.4	
V		DC	PTR	S.States	RT5160N-STS	RR/STS	1.0	22				6.9	
V		DC	PTR	Stine	58LA08	LL	1.0	24				6.8	
V		DC	PTR	Progeny	P5622RR	RR	1.0	30				6.0	
V		DC	PTR	Progeny	P5960LL	LL	1.0	23				5.9	
V		DC	PTR	Dyna-Gro	32A53	RR	1.0	24				5.9	
V		DC	PTR	Progeny	P5706RR	RR	1.0	23				5.7	
V		DC	PTR	Channel	5351R	RR/STS	1.0	25				5.5	
V		DC	PTR	S.States	RT5450N-STS	RR/STS	1.0	24				5.3	
V		DC	PTR	USG	75J32	RR	1.0	17				4.9	
V		DC	PTR	NK	S51-T8	RR	1.0	21				3.5	
V		DC	PTR	USG	75M16	RR/STS	1.0	20				3.0	
Average							---	1.0	22	---	---	---	9.0
R ²							---	---	0.56	---	---	---	0.43
CV							---	---	15.2	---	---	---	39.6
LSD (0.10)*							---	---	4.6	---	---	---	4.8

		Cropping				Herb	Maturity	Lodging	Height	PSS	SQ	SS	Yield
MG	E/L	System	Location	Brand	Variety	Resist	Date	1-5	in.	%	1-5	seed/lb	Bu/A
V		DC	SUF	Dyna-Gro	32A53	RR	25-Oct	1.0	28	0	2.0	3275	39.9
V		DC	SUF	USG	75M49	RR	25-Oct	1.0	27	0	2.0	3599	39.7
V		DC	SUF	Stine	5400-4	RR	25-Oct	1.0	29	0	2.7	4008	39.6
V		DC	SUF	Progeny	P5210RY	RR2Y	20-Oct	1.2	28	0	2.3	3857	39.3
V		DC	SUF	Progeny	P5770	CONV	28-Oct	1.3	27	0	2.0	3265	39.1
V		DC	SUF	Pioneer	95Y70	RR/STS	3-Nov	1.0	34	0	1.0	3440	39.0
V		DC	SUF	Progeny	P5160LL	LL	20-Oct	1.3	25	0	2.0	3919	38.9
V		DC	SUF	Progeny	P5960LL	LL	29-Oct	1.3	30	0	1.7	3777	38.7
V		DC	SUF	Progeny	P5460LL	LL	25-Oct	1.0	30	0	2.3	3845	38.6
V		DC	SUF	Hubner	H558NRR	RR	25-Oct	1.0	24	0	2.0	4226	38.1
V		DC	SUF	Progeny	P5650RR	RR	3-Nov	1.0	32	0	1.0	3646	38.1
V		DC	SUF	USG	ALLEN	RR	3-Nov	1.0	28	0	1.0	3733	37.7
V		DC	SUF	Dyna-Gro	35F55	RR	25-Oct	1.3	35	0	2.0	3322	37.4
V		DC	SUF	NK	S51-T8	RR	20-Oct	1.0	30	0	3.3	3610	37.0
V		DC	SUF	Stine	6202-4	RR	3-Nov	1.0	29	0	1.0	3068	36.9
V		DC	SUF	Progeny	P5218RR	RR	26-Oct	1.5	26	0	2.0	3112	36.9
V		DC	SUF	Progeny	P5622RR	RR	31-Oct	1.0	27	0	2.0	3475	36.8
V		DC	SUF	S.States	LL595N	LL	3-Nov	1.0	28	0	2.0	3774	36.7
V		DC	SUF	Progeny	P5706RR	RR	3-Nov	1.0	30	0	1.7	3505	36.4
V		DC	SUF	USG	75Z98	RR	27-Oct	1.3	28	0	1.3	3457	36.3
V		DC	SUF	Stine	51LA02	LL	20-Oct	1.2	27	0	2.0	3967	35.6
V		DC	SUF	USG	75J50R	RR2Y	22-Oct	1.0	29	0	3.0	3561	34.8
V		DC	SUF	S.States	RT5760N	RR	27-Oct	1.3	29	0	2.0	3351	34.8
V		DC	SUF	Mid-Atlantic	MASS200RR	RR	20-Oct	1.0	25	0	2.0	3988	34.7
V		DC	SUF	USG	75M16	RR/STS	22-Oct	1.2	24	0	2.0	4061	34.6
V		DC	SUF	Progeny	P5610RY	RR2Y	25-Oct	1.2	27	0	2.0	3432	34.6
V		DC	SUF	Channel	5351R	RR/STS	25-Oct	1.3	35	0	2.7	3268	34.4
V		DC	SUF	Pioneer	95M82	RR	31-Oct	1.0	30	0	2.0	3494	34.4
V		DC	SUF	S.States	SS5110NR2	RR2	18-Oct	1.0	23	0	2.3	4009	34.1
V		DC	SUF	USG	75J32	RR	20-Oct	1.0	27	0	2.3	3944	34.0
V		DC	SUF	Progeny	P5110RY	RR2Y	18-Oct	1.0	25	0	2.0	3963	33.7
V		DC	SUF	S.States	LL511N	LL	18-Oct	1.2	26	0	2.3	4018	33.7
V		DC	SUF	Progeny	P5330RR	RR	25-Oct	1.5	28	0	2.0	3661	33.7
V		DC	SUF	USG	7553nRS	RR/STS	25-Oct	1.0	26	0	2.0	4681	33.5
V		DC	SUF	S.States	RT5160N-STS	RR/STS	18-Oct	1.0	24	0	2.3	4276	33.2
V		DC	SUF	S.States	RT5471N-STS	RR/STS	18-Oct	1.0	27	0	1.7	4182	33.1
V		DC	SUF	RPM	DB5409RR	RR	26-Oct	1.3	28	0	2.3	3927	33.0
V		DC	SUF	Asgrow	AG5831	RR2Y	25-Oct	1.0	22	0	2.0	3728	32.7
V		DC	SUF	Public	Hutcheson	CONV	18-Oct	1.0	27	0	2.0	4169	32.6
V		DC	SUF	Public	Glenn	CONV	20-Oct	1.2	22	0	2.0	4357	32.5
V		DC	SUF	Asgrow	AG5531	RR2Y	20-Oct	1.0	25	0	2.3	3785	32.5
V		DC	SUF	USG	75T40	RR	28-Oct	1.0	25	0	3.0	4243	31.9
V		DC	SUF	S.States	SS5510NR2	RR2	22-Oct	1.0	29	0	3.3	3682	31.9
V		DC	SUF	Stine	58LA08	LL	29-Oct	1.0	26	0	2.0	3897	31.8
V		DC	SUF	Progeny	P5310RY	RR2Y	22-Oct	1.2	31	0	2.0	4240	31.8
V		DC	SUF	USG	75J20R	RR2Y	18-Oct	1.0	22	0	2.7	4103	30.9
V		DC	SUF	Virginia	V03-3650	RR	22-Oct	1.0	25	0	3.0	4271	30.7
V		DC	SUF	S.States	RT5450N-STS	RR/STS	25-Oct	1.0	24	0	2.0	3379	30.1
V		DC	SUF	USG	75T18	RR	18-Oct	1.2	26	0	2.3	4883	30.0
V		DC	SUF	USG	75J10R	RR2Y	18-Oct	1.0	26	0	2.0	4653	28.7
V		DC	SUF	Progeny	P5115RR	RR	25-Oct	1.0	31	0	2.0	3606	27.7
				Average			24-Oct	1.1	27	0	2.1	3817	34.8
				R ²			0.83	0.59	0.59	---	0.77	0.90	0.42
				CV			0.1	14.3	11.2	---	16.8	4.4	13.0
				LSD (0.10)*			3.8	0.2	4.2	---	0.5	228	6.1