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VIRGINIA SOYBEAN PERFORMANCE TESTS 2012

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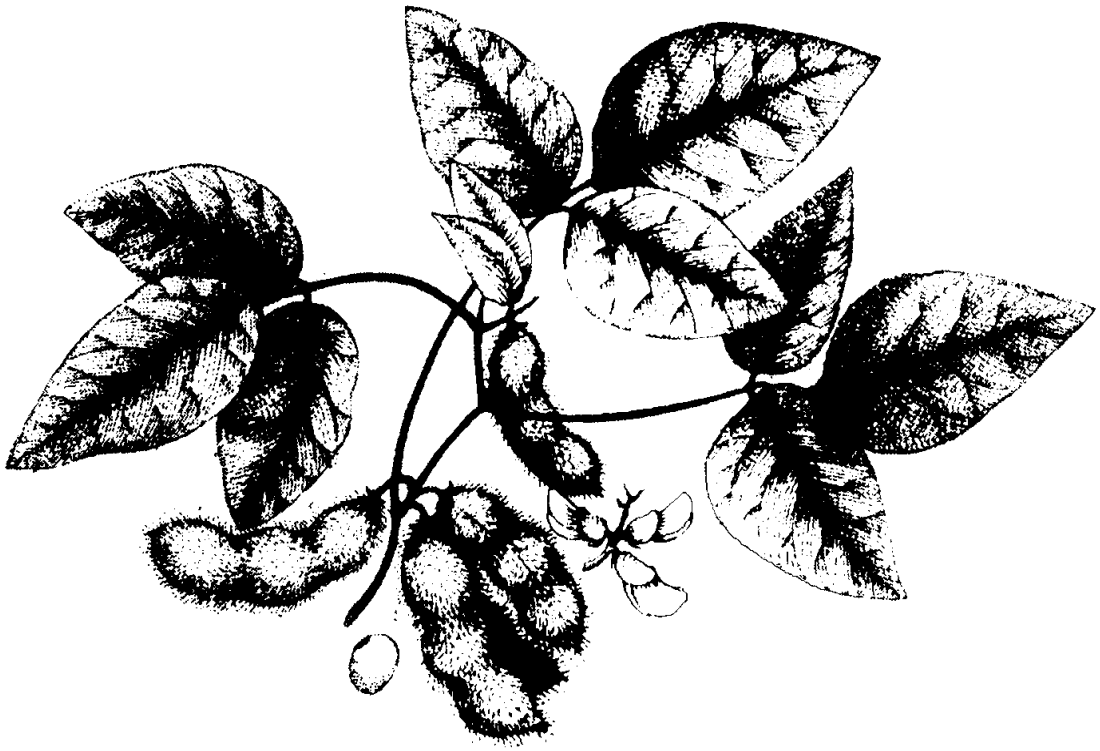

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Virginia Cooperative Extension

All County Extension Agents for an excellent job of disseminating this information

CONTENTS

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 the table on page 4. 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^{o} 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.

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 from the weight of a 100-seed sample then converted to number of seed per pound.

Yield (bu/acre) was measured as pounds or grams 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 7 through 12 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, average 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 average relative yield across sites in descending order.

The remaining pages contain detailed yield and other performance data 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.

Location	Planting Date	Tillage System	Herbicides	Date Applied	Insecticide/ Fungicides	Soil Type	Row Width	Rows Planted	Rows Harvested	Row Length Harvested
Blackstone-FS	5/15	No-Till	Dual II Mag Authority Sencor DF	5/19	None	Durham coarse sandy loam	15″	5	3	17'
			Blazer, Select	7/13						
Orange-FS	5/18	No-Till	Dual II Mag Sonic	5/18	None	Davidson silty clay	15″	5	3	17'
Painter-FS	5/16	Conv.	Dual II Mag TriCor DF	5/16	Baythroid 8/16	Bojac sandy loam	15″	5	3	17'
Suffolk-FS	5/17	Conv.	Dual II Mag Sonic	5/17	Baythroid 8/12	Dragston fine sandy loam	15″	5	3	17'
Warsaw-FS	6/4	Conv.	Dual Mag First Rate	5/7	Sniper 8/8 Steward 8/8	Kempsville loam	30″	4	2	12'
Blackstone-DC	6/13	No-Till	Dual II Mag Authority Sencor DF	6/13	None	Durham coarse sandy loam	15″	5	3	17'
Orange-DC	7/2	No-Till	Dual II Mag Sonic	7/2	None	Davidson clay	15″	5	3	17'
Painter-DC	7/15	No-Till	Dual II Mag Tricor DF	7/15	Baythroid 8/15	Bojac sandy loam	15″	5	3	17'
Suffolk-DC	6/14	No-Till	Canopy XL Dual II Mag	6/14	Baythroid 8/12	Dragston fine sandy loam	15″	5	3	17'
Warsaw-DC	6/15	No-Till	Makaze Dual Magnum	6/15	Sniper 8/16 Steward 8/16	Kempsville loam	7.5″	5	5	12'

MONTHLY PRECIPITATION (INCHES) AND AVERAGE RAINFALL
MAY - OCTOBER

Location		**May**	**June**	**July**	**Aug.**	**Sept.**	**Oct.**	**Total**
Blackstone	2012	2.59	1.07	5.34	3.02	6.40	4.04	22.46
	62-yr Avg.	3.86	3.90	4.75	4.00	3.82	3.37	23.70
Orange	2012	4.71	3.74	3.30	6.08	3.94	5.55	27.32
	72-yr. Avg.	3.86	3.80	4.30	3.90	3.93	3.58	23.37
Painter	2012	2.50	4.05	4.84	9.67	2.17	9.94	33.17
	72-yr Avg.	3.36	3.73	4.58	4.36	4.36	3.59	23.98
Suffolk	2012	5.74	4.80	2.67	10.43	2.17	9.94	35.75
	78-yr. Avg.	3.94	4.17	5.61	5.80	4.29	3.58	27.39
Warsaw	2012	2.79	1.43	4.15	3.84	2.92	6.84	21.97
	45-yr Avg.	4.13	3.84	4.18	4.51	4.40	3.49	24.55

SUPPLIERS OF SOYBEAN VARIETIES TESTED

SUPPLIER	BRAND	VARIETY
Bayer CropScience 21 Drier Rd Dewitt, AR 72042	HBK	R4924, R5425, RY4620, RY4721, RY5221, RY5421, RY5521
ChannelBio, LLC 800 N Lindbergh Blvd St Louis, MO 64137	Channel	4205R2, 4206R2. 4500R2 ,4705R2, 4806R2STS
Coastal AgroBusiness PO Box 856 Greenville, NC 27835	Stine	46LD02, 47RD00, 51RD02, 54LD00, 58LC23, 6202-4
Doebler's PA Hybrids Inc. 202 Tiadaghton Avenue Jersey Shore, PA 17740	RPM	DB3312RR, DB3512RR, DB3809, DB4512RR, DB5711RR, DB6012RR
Dyna-Gro/Crop Production Services 1140 Sweet Road East Aurora, NY 14052	Dyna-Gro	31RY45, 32RY55, 36RY68, 37RY47, 39D48, 39RY43, 39RY57, S44RS93, S48RS53, SX12245R, SX12247R
Featherstone Farm 13941 Genito Rd. Amelia, VA 23002	Armor	AR53-15, AR55-R22, AR57-R22, DK4744RR2/STS
Hubner Seed 10280 W State Rd 28 West Lebanon, IN 47991	Hubner	H46-01R2/STS, H48-12R2/STS, H51-10R2, H58-10R2, H58-10R2, H58-12R2
Meherrin Ag & Chemical Co PO Box 200 Severn, NC 27877	Southern Harvest	SH 3913LL, SH 4913LL, SH 5212LL, SH 5512LL, SH5912LL
Mid-Atlantic Seeds, Inc 204 St, Charles Way #163E York, PA 17402	Mid- Atlantic	MAS3802NRR2, MAS4200RR2, MAS4399NRR/STS, MAS4504NRR2/STS, MAS4666NRR
Monsanto Company 14806 Harrisville Rd Mt Airy, MD 21771	Asgrow	AG4232, AG4433, AG4531, AG4632, AG4633, AG4730, AG4832, AG4933, AG5233, AG5332, AG5533, AG5632
Montague Farms Center Cross, VA 22437	Montague	MFS-591, V03-1144-16, V03-1144-6, V03-1144W

North Carolina State University 1244 Williams Hall Raleigh, NC 27695-7620	North Carolina	NCC06-579, NCC07-1148R, NCC07-7506, NCC07-7714
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny	P 4211RY, P 4510RY, P 4611RY, P 4710RY, P 4747RY, P 4814RY, P 4819LL, P 4850RY, P 4900RY, P 4920RY, P 4928LL, P 5111RY, P 5160LL, P 5210RY, P 5412RY, P 5460LL, P 5610RY
Southern States Coop 6606 W Broad St Richmond, VA 23230	Southern States	SS 3801N R2, SS 3811N R2, SS 3910N R2, SS 4032N R2, SS 4312N R2, SS 4412N R2, SS 4510N R2, SS 4700 R2-STS, SS 4725NS R2, SS 4917N R2, SS 5112N R2, SS 5312N R2, SS 5510N R2, SS 5510N R2, SS 5511N R2, SS 5711N R2, SS 5911N R2
Syngenta Seeds, Inc. 11 Quicksilver Ct Martinsburg, WV 25404	NK	S 38-H8, S 39-U2. S 41-J6, S 46-A1, S 48-P4, S 49-F8, S 51-H9, S56-G6
T.A. Seeds P.O. Box 300 Avis, PA 1772	T.A. Seeds	TS3989RS, TS4339R2, TS4729RS, TS4939R2, TS5199RS
UniSouth Genetics, Inc. 3205C Hwy 46 S Dickson, TN 37055	USG	7495nRS, 74A27, 74A45, 74A79R, 74A92R, 74B58 74B81R, 74D32R, 74D42S, 74F12R, 74F96, 74G82L, 74G99L, 74H81, 74H92R, 7553nRS, 75B21R, 75J62R, 75Q52R, 75U52R, 75Z38, 76S22R, 76S90R
University of Arkansas 115 Plant Sci Bldg Fayetteville, AR 72701	Public	R04-1268RR, R05-4114, R09-1607RR, Osage, Ozark, UA5612
University of Tennessee 243 Joe Johnson Dr Knoxville, TN 37996-4561	Tennessee	JTN-4307, JTN-5203
USDA-ARS 605 Airways Blvd Jackson, TN 38301	USDA-ARS	JTN-5203
Virginia Tech 509 Latham Hall Blacksburg, VA 24061	Public Virginia	Glenn, Hutcheson, V03-4660, V03-4660, V03-4705, V03-4705, V04-1022

Table 1a. Yield summaries and average relative yields of Maturity Group III entries. Relative yield within a site is calculated by dividing the yield of a variety by the average yield of all varieties in the same maturity group at that site. Average relative yield is the mean of relative yields of all sites.

				Full-Season				
Brand	Variety	Herb Resist	Relative Matu	ORC	PTR	WA	Avg	Avg. Rel. Yield
Mid-Atlantic	MAS3802NRR2	RR2Y	3.8		56.6	67.3	62.0	103
NK	S 36-M8		3.6	55.1	59.5	64.3	59.6	104
NK	S 38-H8	RR2Y	3.8	54.7	57.9	68.4	60.3	105
NK	S 39-U2	RR2Y	3.8	53.4	63.3	62.1	59.6	104
RPM	DB3312RR	RR2Y	3.3	44.3	52.7	57.5	51.5	90
RPM	DB3512RR	RR2Y	3.5	48.5	58.1	60.2	55.6	97
RPM	DB3809	RR	3.8	55.1	59.5	64.3	59.6	104
S.States	SS 3801N R2	RR2Y	3.9	53.1	58.8	62.9	58.3	102
S.States	SS 3811N R2	RR2Y	3.8	50.1	52.4	55.2	52.6	92
S.States	SS 3910N R2	RR2Y	3.9	56.3	61.5	61.5	59.8	105
Southern Harvest	SH 3913LL	LL	3.9	54.9	62.1	52.5	56.5	99
T.A. Seeds	TS3989RS	RR/STS	3.9	49.4	64.7	57.1	57.1	100
LSD (P=.10)				10.1	5.4	8.8		
CV				13.6	6.3	10.3		
Grand Mean				52.0	58.9	60.8		

Table 1b. Yield summaries and average relative yields of Early Maturity Group IV entries. Relative yield within a site is calculated by dividing the yield of a variety by the average yield of all varieties in the same maturity group at that site. Average relative yield is the mean of relative yields of all sites.

				Full-Season							Double-Crop							FS & DC		
Brand	Variety	Herb Resist	Relative Maturit	BLK	ORG	PTR	SUF	WAR	Avg	Avg Rel Yield	BLK	ORG	PTR	SUF	WAR	Avg3	Avg Rel Yield	No. of Loc	Avg2	Avg Rel Yield
Asgrow	AG4232	RR2Y/STS	4.2		72.1	66.5	55.7	56.7	62.8	99								4	62.8	99
Asgrow	AG4433	RR2Y	4.4		64.4	74.7	59.0	57.2	63.8	100								4	63.8	100
Asgrow	AG4531	RR2Y/STS	4.5		64.6	81.0	68.5	64.9	69.8	110								4	69.8	110
Asgrow	AG4632	RR2Y/STS	4.6		73.8	74.4	70.0	55.2	68.4	107			81.7	75.3	57.9	71.6	104	7	69.8	105
Asgrow	AG4633	RR2Y	4.6		64.2	76.7	71.3	52.2	66.1	103			77.7	76.8	54.5	69.7	100	7	67.6	102
Channel	4205R2	RR2Y	4.2		64.7	72.7	65.2	44.5	61.8	96								4	61.8	96
Channel	4206R2	RR2Y	4.2		69.3	72.7	69.0	52.8	66.0	103								4	66.0	103
Channel	4500R2	RR2Y	4.5		66.6	77.4	84.3	54.0	70.6	110		32.9	91.4	84.3	56.1	66.2	105	8	68.4	108
Dyna-Gro	31RY45	RR2Y	4.5		61.7	82.9	72.8	56.5	68.5	107		35.5	79.6	79.0	57.4	62.9	102	8	65.7	104
Dyna-Gro	39RY43	RR2Y	4.3		62.1	74.7	65.7	50.0	63.1	98		29.0	74.3	83.0	55.0	60.3	96	8	61.7	97
Dyna-Gro	S44RS93	RR2Y/STS	4.4		73.6	70.2	61.4	42.5	61.9	96								4	61.9	96
Dyna-Gro	SX12245R	RR2Y	4.5		63.1	73.2	69.1	46.7	63.0	98		34.4	88.1	74.5	55.4	63.1	101	8	63.1	100
HBK	RY4620	RR2Y/STS	4.6	44.0	60.6	85.1	75.8	58.8	64.9	110								5	64.9	110
Hubner	H46-01R2/STS	RR2Y/STS	4.6	37.3	72.3		65.1	53.0	56.9	101								4	56.9	101
Mid-Atlantic	MAS4200RR2	RR2Y	4.2			77.0	54.8	54.1	62.0	97			75.2	68.4	55.1	66.2	96	6	64.1	97
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3			68.1	64.6	51.5	61.4	97			77.2	75.5	55.8	69.5	100	6	65.5	98
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5			72.9	61.8	59.0	64.6	102			81.7	77.1	58.6	72.5	105	6	68.5	103
Mid-Atlantic	MAS4666NRR	RR	4.6			70.3	55.1	56.7	60.7	96			87.8	77.7	53.1	72.9	104	6	66.8	100
NK	S 41-J6	RR2Y	4.1	41.2			62.7	48.2	50.7	97			80.6	81.8		81.2	105	5	62.9	100
NK	S 46-A1	RR2Y	4.6	41.9	64.6		76.7		61.1	109			82.6	71.2	56.2	70.0	101	6	65.5	105
Pioneer	94Y22	RR	4.2	31.9		60.4	56.9	54.1	50.8	88								4	50.8	88
Progeny	P 4211RY	RR2Y	4.2	39.2	62.3	67.3	63.7	62.6	59.0	101		31.0	78.3	66.7	50.2	56.6	91	9	57.9	96
Progeny	P 4510RY	RR2Y	4.5	41.8	76.8	80.7	66.0	61.9	65.4	111		39.2	77.9	73.7	56.3	61.8	101	9	63.8	107
Progeny	P 4611RY	RR2Y	4.6	42.4	65.4	77.2	70.3	53.7	61.8	105		42.2	85.1	85.7	50.0	65.8	107	9	63.6	106
RPM	DB4512RR	RR	4.5	29.2	59.3	60.5	54.4	55.8	51.8	87		41.5	75.8	76.6	53.4	61.8	102	9	56.3	94
S.States	SS 4032N R2	RR2Y	4.0		57.9		48.4	53.6	53.3	88								3	53.3	88
S.States	SS 4312N R2	RR2Y	4.3		65.3		73.7	57.6	65.5	107								3	65.5	107
S.States	SS 4412N R2	RR2Y	4.4		61.8		60.4	46.7	56.3	92								3	56.3	92
S.States	SS 4510N R2	RR2Y	4.5		62.8		58.5	55.6	59.0	97								3	59.0	97
Stine	46LD02	LL	4.6	38.8			68.1	59.9	55.6	105								3	55.6	105
T.A. Seeds	TS4339R2	RR2Y	4.3		62.6	70.0	69.6	47.1	62.3	97								4	62.3	97
T.A. Seeds	TS4939R2	RR2Y	4.9		56.5	77.8	65.7	67.9	67.0	106								4	67.0	106
USG	74A27	RR/STS	4.2			59.8	47.9	52.8	53.5	85								3	53.5	85
USG	74A45	RR	4.4			71.4	55.9	52.2	59.8	94			63.5	68.1	53.5	61.7	90	6	60.8	92
USG	74B58	RR/STS	4.5			67.4	71.8	53.7	64.3	101			76.2	74.6	52.8	67.9	98	6	66.1	100
USG	74D32R	RR2Y	4.3		72.4	77.9	69.7	55.4	68.9	108		46.9	78.8	71.6	52.9	62.6	105	8	65.7	106
USG	74D42S	STS	4.4										67.0	78.4	47.1	64.2	92	3	64.2	92
USG	74F12R	RR2Y	4.1		57.3	69.4	58.8	48.2	58.4	91		41.3	75.9	69.0	45.6	58.0	96	8	58.2	93
Virginia	V03-4660	CONV	4.7	45.1	50.9	61.2	55.2	51.4	52.8	92								5	52.8	92
LSD (P=.10)				7.8	11.2	8.6	11.1	10.4				7.2	10.2	8.7	4.9					
CV				14.0	12.7	8.7	12.7	14.0				13.6	9.4	8.4	6.6					
Grand Mean				39.3	64.6	72.4	64.3	54.2				37.4	78.9	75.7	53.8					

Table 1c. Yield summaries and average relative yields of Late Maturity Group IV entries. Relative yield within a site is calculated by dividing the yield of a variety by the average yield of all varieties in the same maturity group at that site. Average relative yield is the mean of relative yields of all sites.

				Full-Season							Double-Crop							FS & DC		
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg	Avg Rel Yield	BLK	ORG	PTR	SUF	WAR	Avg3	Avg Rel Yield	No. of Loc	Avg	Avg Rel Yield
Arkansas	R05-4114	CONV	4.9	53.2		64.3	69.0	53.7	60.1	105	58.4	49.1	77.9	79.5	53.0	63.6	103	9	62.0	67.8
Armor	DK4744RR2/STS	RR2Y/STS	4.7		78.9	64.3	67.8	52.5	65.9	109			84.8	85.6	59.7	76.7	108	7	70.5	74.9
Asgrow	AG4730	RR2Y/STS	4.7	48.9	61.2	57.4	73.8	55.6	59.4	101	56.7		77.5	79.6	55.9	67.4	102	9	63.0	70.0
Asgrow	AG4832	RR2Y/STS	4.8	50.4	69.7	55.3	58.0	51.9	57.1	98	53.5		80.4	79.9	57.6	67.9	102	9	61.9	69.9
Asgrow	AG4933	RR2Y	4.9	48.8	67.3	61.9	68.8	46.2	58.6	100	59.1		76.0	80.7	62.8	69.7	106	9	63.5	72.0
Channel	4705R2	RR2Y	4.7		70.5	57.3	62.1	46.6	59.1	97		46.8	77.2	75.9	54.0	63.5	99	8	61.3	65.4
Channel	4806R2STS	RR2Y/STS	4.8		75.0	60.6	68.9	53.5	64.5	106		48.6	82.8	84.4	58.9	68.7	106	8	66.6	70.8
Dyna-Gro	37RY47	RR2Y	4.7			61.7	72.0	52.5	62.1	104								3	62.1	46.6
Dyna-Gro	39D48	RR	4.8			56.8	73.8	46.8	59.1	99			75.3	80.0	57.6	71.0	100	6	65.1	70.6
Dyna-Gro	S48RS53	RR2Y	4.8			65.3	64.0	55.5	61.6	104								3	61.6	46.2
Dyna-Gro	SX12247R	RR2Y	4.7			57.9	61.2	55.6	58.2	98								3	58.2	44.0
HBK	R4924	RR	4.9	57.6	54.7	58.8	58.9	51.5	56.3	97								5	56.3	42.8
HBK	RY4721	RR2Y	4.7	52.5	76.9	53.4	64.7	57.9	61.1	104								5	61.1	46.5
Hubner	H48-12R2/STS	RR2Y/STS	4.8	47.3	73.4		70.3	58.7	62.4	107								4	62.4	47.8
NK	S 48-P4	RR2Y/STS	4.8	49.5			59.8	51.5	53.6	95	52.5	42.4		73.5	50.2	54.7	94	7	54.2	59.4
NK	S 49-F8	RR	4.9	48.2			64.3	63.8	58.8	104	52.2		75.1	74.8	55.1	64.3	97	7	61.9	67.5
Pioneer	94L71	LL	4.7	41.1	61.0	47.7	60.1	47.2	51.4	88	54.9	41.0	71.1	75.1	56.3	59.7	96	10	55.6	64.4
Pioneer	94Y70	RR	4.7	43.5	66.9	53.4	63.0	52.8	55.9	95	48.2	42.8	72.6	75.0	51.8	58.1	93	10	57.0	62.2
Progeny	P 4710RY	RR2Y	4.7	45.9	57.9	62.5	68.0	54.2	57.7	99	50.6	49.3	83.6	85.2	58.7	65.5	105	10	61.6	70.8
Progeny	P 4747RY	RR2Y	4.7	46.5	59.0	61.0	71.8	47.1	57.1	97	47.9	43.5	81.5	79.1	57.3	61.9	99	10	59.5	66.5
Progeny	P 4814RY	RR2Y	4.8	52.1	59.0	59.3	59.5	56.3	57.2	98	48.3	41.2	66.5	74.4	50.8	56.2	91	10	56.7	59.9
Progeny	P 4819LL	LL	4.8	48.9	62.4	58.3	63.7	54.2	57.5	98	45.3	44.9	72.5	81.2	56.0	60.0	96	10	58.7	64.4
Progeny	P 4850RY	RR2Y	4.8	50.1	68.2	65.3	64.4	55.9	60.8	104	53.3	48.0	87.1	84.4	59.3	66.4	106	10	63.6	71.0
Progeny	P 4900RY	RR2Y	4.9	42.1	78.4	60.0	69.4	54.1	60.8	103	38.7	37.9	84.9	85.1	52.4	59.8	93	10	60.3	63.8
Progeny	P 4920RY	RR2Y	4.9	48.6	61.4	63.3	63.5	58.2	59.0	101	47.4	45.7	77.6	76.6	58.5	61.2	98	10	60.1	65.8
Progeny	P 4928LL	LL	4.9	50.4	59.9	62.5	71.8	55.9	60.1	103	56.6	45.9	71.9	74.3	65.4	62.8	102	10	61.5	67.6
S.States	SS 4700 R2-STS	RR2Y/STS	4.7		67.0		61.9	53.8	60.9	100			81.4	84.3	57.1	74.3	104	6	67.6	73.2
S.States	SS 4725NS R2	RR2Y/STS	4.7		50.8		66.7	55.6	57.7	95			81.7	86.3	60.0	76.0	107	6	66.9	75.8
S.States	SS 4917N R2	RR2Y	4.9		60.2		67.2	58.6	62.0	102			74.6	88.0	56.5	73.0	102	6	67.5	72.5
Southern Harvest	SH 4913LL	LL	4.9	63.3		64.2	72.9	54.2	63.7	112	63.5		83.3	83.9	61.9	73.2	111	8	68.4	75.3
Stine	47RD00	RR2Y	4.7	45.1			56.3	55.4	52.3	93	63.8		77.0	72.5	53.5	66.7	102	7	60.5	69.7
T.A. Seeds	TS4729RS	RR2Y	4.7		61.1	55.7	66.5	46.5	57.5	95								4	57.5	42.7
Tennessee	TN09-029	CONV	4.8	60.3	60.3	54.3	63.3	48.8	57.4	99	55.4	49.9	73.5	76.1	60.1	63.0	103	10	60.2	67.1
USG	7495nRS	RR/STS	4.9	55.9		62.0	67.8	50.5	59.1	103								4	59.1	45.0
USG	74A79R	RR2Y/STS	4.7	42.0		61.8	58.0	52.8	53.7	94	47.4		77.2	80.5	55.9	65.3	98	8	59.5	68.5
LSD (P=.10)				9.5	11.2	8.7	8.7	8.5			10.8	6.8	7.7	9.0	6.5					
CV				13.7	12.9	10.8	9.8	11.6			14.9	10.7	7.3	8.3	8.4					
Grand Mean				50.5	63.6	59.4	65.1	53.7			52.4	45.1	77.5	79.3	56.7					

Table 1c. Continued

				Full-Season							Double-Crop							FS & DC		
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg	Avg Rel Yield	BLK	ORG	PTR	SUF	WAR	Avg3	Avg Rel Yield	No. of Loc	Avg	Avg Rel Yield
USG	74A92R	RR2Y	4.9	52.5		62.9	69.3	53.3	59.5	104	52.1		75.8	83.2	59.1	67.6	102	8	63.5	70.4
USG	74B81R	RR2Y	4.8	44.7		56.7	55.7	56.8	53.5	94	52.3		76.2	68.4	49.1	61.5	93	8	57.5	93
USG	74F96	RR	4.9	49.5		65.9	65.0	52.4	58.2	102			79.6	81.0	55.9	72.2	101	7	64.2	101
USG	74G82L	LL	4.8	50.2		54.6	64.4	57.1	56.6	99	46.0		71.9	78.9	58.1	63.7	96	8	60.2	97
USG	74G99L	LL	4.9	54.4		55.7	68.1	57.4	58.9	103	53.9		77.3	76.9	58.5	66.7	101	8	62.8	102
USG	74H81	RR	4.8			51.9	69.6	55.6	59.0	99			73.0	72.0	52.1	65.7	92	6	62.4	96
USG	74H92R	RR2Y	4.9	51.7		71.6	65.0	59.4	61.9	108								4	61.9	108
Virginia	V03-4660	CONV	4.7	56.6	49.3	50.4	62.0	51.5	54.0	93								5	54.0	93
Virginia	V03-4705	CONV	4.9	61.2	51.4	58.3	55.6	52.7	55.8	97								5	55.8	97
Virginia	V04-1022	CONV	4.9	53.8	54.8	61.9	59.6	53.3	56.7	98								5	56.7	98
LSD (P=.10)				9.5	11.2	8.7	8.7	8.5			10.8	6.8	7.7	9.0	6.5					
CV				13.7	12.9	10.8	9.8	11.6			14.9	10.7	7.3	8.3	8.4					
Grand Mean				50.5	63.6	59.4	65.1	53.7			52.4	45.1	77.5	79.3	56.7					

Table 1d. Yield summaries and average relative yields of Maturity Group V entries. Relative yield within a site is calculated by dividing the yield of a variety by the average yield of all varieties in the same maturity group at that site. Average relative yield is the mean of relative yields of all sites.

				Full-Season							Double-Crop							FS & DC		
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg	Avg Rel Yield	BLK	ORG	PTR	SUF	WAR	Avg3	Avg Rel Yield	No. of Loc	Avg	Avg Rel Yield
Arkansas	R04-1268RR	RR	5.4	53.8	63.7	52.1	67.8	62.6	60.0	95	49.6		63.0	70.6	55.9	59.8	91	9	59.9	93
Arkansas	R09-1607RR	RR	5.0	59.3	60.2	53.2	71.6	72.4	63.3	100	53.7		71.5	66.3	57.3	62.2	95	9	62.8	98
Armor	AR53-15	RR2Y	5.3		65.0	52.6	63.9	65.1	61.7	96	65.4		65.8	67.6	58.2	64.3	99	8	63.0	97
Armor	AR55-R22	RR2Y	5.5			63.9	67.2	70.6	67.2	105								3	67.2	105
Armor	AR57-R22	RR2Y	5.7	61.7		54.4	71.5	66.9	63.6	102								4	63.6	102
Asgrow	AG5233	RR2Y/STS	5.2								50.2		63.9	68.5	54.2	59.2	90	4	59.2	90
Asgrow	AG5332	RR2Y	5.3								54.9		65.9	82.0	62.5	66.3	101	4	66.3	101
Asgrow	AG5533	RR2Y/STS	5.5	58.0		62.3	71.8		64.0	104	63.7		76.0	83.0	61.2	71.0	108	7	68.0	106
Asgrow	AG5632	RR2Y/STS	5.6	59.1		61.9	72.8		64.6	105	51.1		80.1	80.3	61.5	68.3	103	7	66.7	104
Croplan	CR6102N		5.5	63.3	66.2			70.3	66.6	106	58.6		76.8	79.1	66.6	70.3	107	7	68.7	107
Dyna-Gro	32RY55	RR2Y	5.7			63.7	74.9	69.7	69.4	108			77.3	68.7	62.7	69.6	102	6	69.5	105
Dyna-Gro	39RY57	RR2Y	5.7			70.2	80.1	65.0	71.8	112			78.4	89.1	67.1	78.2	114	3	78.2	113
HBK	R5425	RR	5.4	59.8	55.2	48.7	64.8	73.8	60.5	96								5	60.5	96
HBK	RY5121	RR2Y	5.1		72.1	58.3			65.2	108								2	65.2	108
HBK	RY5221	RR2Y	5.5	46.9	67.3	44.5	68.4	73.0	60.0	95								5	60.0	95
HBK	RY5421	RR2Y	5.4	61.8	62.8	58.4	79.1	59.7	64.4	102								5	64.4	102
HBK	RY5521	RR2Y	5.5	57.0	63.8	59.4	75.3	55.8	62.3	99								5	62.3	99
Hubner	H51-10R2	RR2Y	5.1	49.8	63.4		79.6	60.1	63.2	97								4	63.2	97
Hubner	H58-10R2	RR2Y	5.8	58.7	71.2		74.2	66.9	67.8	105	60.7		84.0	75.6	62.1	70.6	107	8	69.2	106
Hubner	H58-12R2	RR2Y	5.8	62.8	74.6		80.3		72.6	113								3	72.6	113
Montague	MFS-591	CONV	5.9			48.5	55.0	51.2	51.6	81			61.3	47.4	46.8	51.8	76	3	51.8	78
Montague	V03-1144-16	CONV	5.6			46.5	59.7	62.7	56.3	87			65.7	66.5	54.5	62.2	91	6	59.3	89
Montague	V03-1144-6	CONV	5.6			51.1	59.9	64.9	58.6	91			60.4	60.3	50.4	57.0	84	6	57.8	87
Montague	V03-1144W	CONV	5.6			65.1	63.3	69.5	66.0	104			71.9	61.4	57.2	63.5	93	6	64.7	98
NK	S 51-H9	RR2Y	5.1	51.7		55.7	73.5	49.3	57.6	92								4	57.6	92
NK	S56-G6	RR	5.6	58.3		71.8	73.0	72.5	68.9	110								4	68.9	110
North Carolina	NCC06-579	CONV	5.8	66.2	57.6	58.9	76.1	76.6	67.1	107	61.2		77.3	64.8		67.8	101	8	67.3	104
North Carolina	NCC07-1148R	RR	5.5	62.3	56.2	46.8	67.6	69.9	60.6	96	62.2		68.6	72.8		67.9	101	8	63.3	98
North Carolina	NCC07-7506	CONV	5.2	62.0	65.6	63.3	73.3	71.3	67.1	107	56.2		78.0	65.9		66.7	99	8	67.0	104
North Carolina	NCC07-7714	CONV	5.1	54.5	59.9	61.5	71.6	66.7	62.8	100	49.2		67.0	62.7		59.6	88	8	61.6	95
Pioneer	95M82	RR	5.8	55.0	61.7	63.1	66.5	76.3	64.5	103	55.3		70.3	75.2	58.4	64.8	98	9	64.6	101
Pioneer	95Y20	RR	5.2	65.9	65.9	55.3	71.4	58.7	63.4	101	59.2		66.1	71.5	56.6	63.4	97	9	63.4	99
Progeny	P 5111RY	RR2Y	5.1	53.8	64.0	38.2	73.6	60.3	58.0	91	56.6		73.0	73.5	62.5	66.4	101	9	61.7	96
Progeny	P 5160LL	LL	5.1	50.1	74.9	60.9	72.5	69.3	65.5	104	58.6		76.5	79.6	62.6	69.3	105	9	67.2	105
Progeny	P 5210RY	RR2Y	5.2	56.1	63.1	56.2	71.1	57.6	60.8	97	59.0		77.8	73.5	59.7	67.5	103	9	63.8	99
Progeny	P 5412RY	RR2Y	5.4	52.9	60.1	50.8	78.2	71.4	62.7	99	60.4		69.6	78.0	50.4	64.6	98	9	63.5	99
Progeny	P 5460LL	LL	5.4	64.1	68.9	51.1	76.6	73.1	66.8	106	61.4		69.4	70.5	66.8	67.0	103	9	66.9	104
LSD (P=.10)				10.6	12.9	7.9	10.3	10.8			10.2		8.1	8.4	5.5					
CV				13.5	14.7	10.4	10.8	12.1			12.9		8.3	8.5	6.7					
Grand Mean				57.9	64.2	56.1	70.7	66.0			57.8		71.9	73.2	59.8					

Table 1d. Continued.

				Full-Season							Double-Crop							FS & DC		
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg	Avg Rel Yield	BLK	ORG	PTR	SUF	WAR	Avg3	Avg Rel Yield	No. of Loc	Avg	Avg Rel Yield
Progeny	P 5610RY	RR2Y	5.6	60.7	64.4	63.5	73.5	75.2	67.5	107	62.7		83.4	87.0	60.6	73.4	111	9	70.1	109
Progeny	P 5655RY	RR2Y	5.6	57.6	62.8	56.0	72.1	66.3	63.0	100	57.5		75.7	77.4	59.9	67.6	103	9	65.0	101
Public	Glenn	CONV	5.6	57.4	79.4	62.2	79.7	73.3	70.4	111								5	70.4	111
Public	Hutcheson	CONV	5.6	64.2	69.1	51.6	75.6	63.6	64.8	103								5	64.8	103
Public	Osage	CONV	5.6	70.9		53.7	70.9	66.5	65.5	105	62.2		74.0	78.0	63.6	69.5	106	8	67.5	105
Public	Ozark	CONV	5.2	54.2		56.4	64.6	65.5	60.2	96	60.1		67.7	79.0	57.8	66.2	101	8	63.2	98
Public	UA5612	CONV	5.6	63.6		54.2	75.2	62.1	63.8	102	58.2		79.7	75.7	61.1	68.7	104	8	66.2	103
RPM	DB5711RR	RR	5.7	67.4	56.4	58.3	67.7	61.4	62.2	99	57.0		72.0	69.4	54.1	63.1	96	9	62.6	98
S.States	SS 5112N R2	RR2Y	5.1	45.5	60.8		73.1	68.9	62.1	95			64.3	67.6	59.1	63.7	94	7	62.8	95
S.States	SS 5312N R2	RR2Y	5.3	61.2	67.3		68.3	66.0	65.7	102			75.7	83.7	62.6	74.0	108	7	69.3	105
S.States	SS 5510N R2	RR2Y	5.5	53.9	65.9	45.5	62.0	61.7	57.8	92	53.2		67.9	68.0	60.0	62.3	95	9	59.8	93
S.States	SS 5511N R2	RR2Y	5.5	60.8		60.0	71.6	73.9	66.6	106			74.0	80.8	64.2	73.0	107	7	69.3	107
S.States	SS 5711N R2	RR2Y	5.7	54.8		68.7	78.9	72.3	68.7	110								4	68.7	110
S.States	SS 5911N R2	RR2Y	5.9	63.5		61.1	72.5	66.5	65.9	105								4	65.9	105
Southern Harvest	SH 5212LL	LL	5.2	53.0			74.0	68.9	65.3	100	51.0			75.1	64.3	63.5	99	6	64.4	100
Southern Harvest	SH 5512LL	LL	5.5	61.9			69.9	66.8	66.2	102	58.7			80.8	57.3	65.6	103	6	65.9	102
Southern Harvest	SH5912LL	LL	5.9	60.8			71.9	58.4	63.7	98	55.8			80.9	58.9	65.2	102	6	64.5	100
Stine	51RD02	RR2Y	5.1	56.2			69.5	56.1	60.6	93	54.6			75.3	59.9	63.3	99	6	61.9	96
Stine	54LD00	LL	5.4	67.6			73.9	71.1	70.9	110			69.6	80.8	67.9	72.8	107	6	71.8	108
Stine	58LC23	LL	5.8	43.1			70.0	63.1	58.7	90								3	58.7	90
Stine	6202-4	RR	6.2	67.9			59.9	74.4	67.4	105	60.3			74.2	46.8	60.4	95	6	63.9	100
T.A. Seeds	TS5199RS	RR/STS	5.1		57.7	43.3	63.9	67.3	58.1	90								4	58.1	90
Tennessee	TN09-008	CONV	5.1	62.7	64.9	59.8	81.0	60.5	65.8	104	65.5		71.4	73.6	69.4	70.0	107	9	67.6	106
USDA-ARS	JTN-4307	CONV	5.0	52.2	50.0	45.3	62.7	56.4	53.3	85	56.8		67.4	62.1	55.5	60.5	92	9	56.5	88
USDA-ARS	JTN-5203	CONV	5.3	52.4	70.1	53.7	74.6	70.7	64.3	102	64.1		73.2	73.2	65.0	68.9	105	9	66.3	103
USG	7553nRS	RR/STS	5.5	51.8		64.1	72.1	62.2	62.6	100			78.1	75.2	61.2	71.5	105	7	66.4	102
USG	75B21R	RR2	5.2	50.8		47.6	70.1	62.9	57.9	92	55.3		70.9	68.1	52.2	61.6	94	8	59.7	93
USG	75J62R	RR2/STS	5.6								61.7		71.5	69.5	63.1	66.5	102	4	66.5	102
USG	75Q52R	RR2Y	5.5	58.5		62.6	75.7	69.5	66.6	106	58.0		70.6	76.4	66.9	68.0	104	8	67.3	105
USG	75U52R	RR2Y	5.2	41.2		48.7	65.3	60.9	54.0	86	54.4		73.0	71.2	62.6	65.3	99	8	59.7	93
USG	75Z38	RR	5.3	62.8		61.1	74.6	62.1	65.2	104			76.2	78.7	61.4	72.1	105	7	68.1	105
Virginia	V03-4705	CONV	5.1	63.3	57.2	49.2	59.6	67.9	59.4	95								5	59.4	95
LSD (P=.10)				10.6	12.9	7.9	10.3	10.8			10.2		8.1	8.4	5.5					
CV				13.5	14.7	10.4	10.8	12.1			12.9		8.3	8.5	6.7					
Grand Mean				57.9	64.2	56.1	70.7	66.0			57.8		71.9	73.2	59.8					

Table 1e. Yield summaries and average relative yields of Maturity Group VI entries. Relative yield within a site is calculated by dividing the yield of a variety by the average yield of all varieties in the same maturity group at that site. Average relative yield is the mean of relative yields of all sites.

				Full-Season				
Brand	Variety	Herb Resist	Relative Maturity	BLK	PTR	SUF	Avg	Avg Rel Yield
Croplan	CR6102N		6.1	71.9	71.7	71.0	71.5	111
Dyna-Gro	36RY68	RR2Y	6.8	60.5	66.7	69.0	65.4	101
RPM	DB6012RR	RR2Y	6.0	65.1	58.0	65.1	62.7	97
Stine	6202-4	RR/STS	6.2	60.8	49.5	59.3	56.5	87
USG	76S22R	RR2Y	6.2	71.3	61.9	68.2	67.1	104
USG	76S90R	RR2Y	6.9	67.6	58.4	67.8	64.6	100
LSD (P=.10)				8.8	11.5	6.7		
CV				8.9	12.5	6.8		
Grand Mean				66.2	61.0	66.7		

Table 2a. Performance of Full Season Maturity Group III Entries at Orange, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
S.States	SS 3910N R2	RR2Y	3.9		1.0	40	2	2.0	2403	56.3
RPM	DB3809	RR	3.8		1.0	38	2	2.0	2672	55.1
Southern Harvest	SH 3913LL	LL	3.9		1.0	37	0	1.7	2741	54.9
NK	S 38-H8	RR2Y	3.8		1.0	34	1	1.3	3096	54.7
NK	S 39-U2	RR2Y	3.8		1.0	42	1	2.0	2851	53.4
S.States	SS 3801N R2	RR2Y	3.9		1.0	38	1	2.0	2977	53.1
S.States	SS 3811N R2	RR2Y	3.8		1.0	39	1	1.7	2756	50.1
T.A. Seeds	TS3989RS	RR/STS	3.9		1.0	38	1	1.7	2736	49.4
RPM	DB3512RR	RR2Y	3.5		1.0	36	5	2.3	2362	48.5
RPM	DB3312RR	RR2Y	3.3		1.0	40	1	2.7	2335	44.3
LSD (P=.10)					--	4.3	1.9	0.6	190.5	10.1
CV					--	8.0	91.6	23.6	5.0	13.6
Grand Mean					1.0	38.2	1.5	1.9	2692.9	52.0

Table 2b. Performance of Full Season Maturity Group III Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
T.A. Seeds	TS3989RS	RR/STS	3.9		1.2	33	3	2.3	2824	64.7
NK	S 39-U2	RR2Y	3.8		1.0	27	9	2.7	3041	63.3
Southern Harvest	SH 3913LL	LL	3.9		1.0	28	3	3.0	2955	62.1
S.States	SS 3910N R2	RR2Y	3.9		1.3	33	15	2.3	2519	61.5
RPM	DB3809	RR	3.8		1.2	24	12	4.3	2765	59.5
S.States	SS 3801N R2	RR2Y	3.9		1.0	30	3	2.3	3161	58.8
RPM	DB3512RR	RR2Y	3.5		1.2	29	8	3.0	2752	58.1
NK	S 38-H8	RR2Y	3.8		1.0	22	6	3.7	3237	57.9
Mid-Atlantic	MAS3802NRR2	RR2Y	3.8		1.2	34	9	2.7	2732	56.6
RPM	DB3312RR	RR2Y	3.3		1.0	30	5	3.7	3132	52.7
S.States	SS 3811N R2	RR2Y	3.8		1.2	31	8	3.0	2815	52.4
LSD (P=.10)					0.3	5.7	4.6	1.1	184.8	5.5
CV					20.5	13.8	45.7	26.8	4.5	6.4
Grand Mean					1.1	29.1	7.2	3.0	2902.9	58.9

Table 2c. Performance of Full Season Maturity Group III Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
NK	S 38-H8	RR2Y	3.8	30-Sep	1.1	26	2	1.0	2884	68.4
Mid-Atlantic	MAS3802NRR2	RR2Y	3.8	30-Sep	1.4	32	4	1.0	2652	67.3
RPM	DB3809	RR	3.8	28-Sep	1.3	29	9	2.0	2620	64.3
S.States	SS 3801N R2	RR2Y	3.9	29-Sep	1.2	27	3	1.0	2760	62.9
NK	S 39-U2	RR2Y	3.8	27-Sep	1.1	25	5	1.0	2742	62.1
S.States	SS 3910N R2	RR2Y	3.9	30-Sep	1.5	30	6	1.0	2428	61.5
RPM	DB3512RR	RR2Y	3.5	26-Sep	1.3	29	8	1.0	2736	60.2
RPM	DB3312RR	RR2Y	3.3	26-Sep	1.5	31	4	2.0	2805	57.5
T.A. Seeds	TS3989RS	RR/STS	3.9	29-Sep	1.5	31	2	1.0	2673	57.1
S.States	SS 3811N R2	RR2Y	3.8	26-Sep	1.2	31	7	1.0	2710	55.2
Southern Harvest	SH 3913LL	LL	3.9	28-Sep	1.1	26	1	1.0	2835	52.5
LSD (P=.10)				2.4	0.2	2.6	4.4	0.5	117.7	8.8
CV				6.2	13.0	6.6	68.8	31.5	3.1	10.3
Grand Mean				27-Jan	1.3	28.7	4.6	1.2	2713.1	60.8

Table 3a. Performance of Full Season Early Maturity Group IV Entries at Blackstone, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
VA	V03-4660	CONV	4.7				7	2.0	2699	45.1
HBK	RY4620	RR2Y/STS	4.6				12	2.0	2238	44.0
Progeny	P 4611RY	RR2Y	4.6				16	2.3	2337	42.4
NK	S 46-A1	RR2Y	4.6				14	2.0	2306	41.9
Progeny	P 4510RY	RR2Y	4.5				14	2.0	2328	41.8
NK	S 41-J6	RR2Y	4.1				6	2.0	2548	41.2
Progeny	P 4211RY	RR2Y	4.2				15	2.0	2456	39.2
Stine	46LD02	LL	4.6				22	2.3	2301	38.8
Hubner	H46-01R2/STS	RR2Y/STS	4.6				11	2.0	2544	37.3
Pioneer	94Y22	RR	4.2				12	3.0	2611	31.9
RPM	DB4512RR	RR	4.5				28	2.3	2620	29.2
LSD (P=.10)							8.4	0.5	256.8	7.8
CV							42.0	14.5	7.4	14.0
Grand Mean							14.3	2.2	2453.5	39.3

Table 3b. Performance of Full Season Early Maturity Group IV Entries at Orange, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Progeny	P 4510RY	RR2Y	4.5		1.0	42	0	1.0	3003	76.8
Asgrow	AG4632	RR2Y/STS	4.6		1.0	46	2	1.0	3070	73.8
Dyna-Gro	S44RS93	RR2Y/STS	4.4		1.0	39	0	1.0	3047	73.6
USG	74D32R	RR2Y	4.3		2.0	41	0	1.7	2927	72.4
Hubner	H46-01R2/STS	RR2Y/STS	4.6		1.0	44	0	1.0	3035	72.3
Asgrow	AG4232	RR2Y/STS	4.2		1.0	41	0	1.3	3146	72.1
Channel	4206R2	RR2Y	4.2		1.0	38	0	1.7	2774	69.3
Channel	4500R2	RR2Y	4.5		1.0	41	0	1.0	2938	66.6
Progeny	P 4611RY	RR2Y	4.6		1.0	41	1	1.3	3021	65.4
S.States	SS 4312N R2	RR2Y	4.3		1.0	40	0	1.0	2926	65.3
Channel	4205R2	RR2Y	4.2		1.0	44	0	1.3	3010	64.7
Asgrow	AG4531	RR2Y/STS	4.5		1.0	40	0	1.0	2998	64.6
NK	S 46-A1	RR2Y	4.6		1.0	47	0	1.3	2895	64.6
Asgrow	AG4433	RR2Y	4.4		1.0	46	0	1.3	3251	64.4
Asgrow	AG4633	RR2Y	4.6		1.0	41	0	1.0	2935	64.2
Dyna-Gro	SX12245R	RR2Y	4.5		1.0	44	3	2.0	2948	63.1
S.States	SS 4510N R2	RR2Y	4.5		1.0	48	0	1.3	2882	62.8
T.A. Seeds	TS4339R2	RR2Y	4.3		1.0	41	0	2.0	2775	62.6
Progeny	P 4211RY	RR2Y	4.2		1.0	40	0	1.0	2893	62.3
Dyna-Gro	39RY43	RR2Y	4.3		1.0	40	0	1.0	2857	62.1
S.States	SS 4412N R2	RR2Y	4.4		1.0	39	1	1.3	3132	61.8
Dyna-Gro	31RY45	RR2Y	4.5		1.0	44	0	1.3	3222	61.7
HBK	RY4620	RR2Y/STS	4.6		1.0	41	0	1.0	3030	60.6
RPM	DB4512RR	RR	4.5		1.0	42	6	1.3	2984	59.3
S.States	SS 4032N R2	RR2Y	4.0		1.0	33	2	1.0	3343	57.9
USG	74F12R	RR2Y	4.1		1.5	41	0	1.0	2892	57.3
T.A. Seeds	TS4939R2	RR2Y	4.9		1.0	44	0	1.0	2929	56.5
VA	V03-4660	CONV	4.7		1.8	40	0	1.0	3586	50.9
LSD (P=.10)					0.4	3.9	1.3	0.5	156.7	11.2
CV					29.1	6.8	155.5	27.4	3.8	12.7
Grand Mean					1.1	41.7	0.6	1.2	3016.1	64.6

Table 3c. Performance of Full Season Early Maturity Group IV Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
HBK	RY4620	RR2Y/STS	4.6		1.3	37	3	2.3	2703	85.1
Dyna-Gro	31RY45	RR2Y	4.5		1.5	35	8	2.7	2788	82.9
Asgrow	AG4531	RR2Y/STS	4.5		1.0	35	3	2.0	2619	81.0
Progeny	P 4510RY	RR2Y	4.5		1.0	33	3	2.3	2731	80.7
USG	74D32R	RR2Y	4.3		2.5	32	2	2.3	2918	77.9
T.A. Seeds	TS4939R2	RR2Y	4.9		1.2	38	2	1.7	2666	77.8
Channel	4500R2	RR2Y	4.5		1.0	35	3	2.0	2893	77.4
Progeny	P 4611RY	RR2Y	4.6		1.3	38	2	2.7	2951	77.2
Mid-Atlantic	MAS4200RR2	RR2Y	4.2		1.7	36	2	2.0	3021	77.0
Asgrow	AG4633	RR2Y	4.6		1.0	31	2	2.7	2932	76.7
Asgrow	AG4433	RR2Y	4.4		1.0	33	2	2.0	2833	74.7
Dyna-Gro	39RY43	RR2Y	4.3		1.0	33	4	2.0	2741	74.7
Asgrow	AG4632	RR2Y/STS	4.6		1.5	38	4	2.7	2862	74.4
Dyna-Gro	SX12245R	RR2Y	4.5		1.0	39	2	3.3	2737	73.2
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5		1.0	38	4	2.3	2826	72.9
Channel	4205R2	RR2Y	4.2		1.0	33	2	2.0	2693	72.7
Channel	4206R2	RR2Y	4.2		1.0	31	1	2.7	2679	72.7
USG	74A45	RR	4.4		2.0	34	2	2.3	3214	71.4
Mid-Atlantic	MAS4666NRR	RR	4.6		1.2	37	2	2.0	3014	70.3
Dyna-Gro	S44RS93	RR2Y/STS	4.4		1.0	29	2	2.3	2870	70.2
T.A. Seeds	TS4339R2	RR2Y	4.3		1.0	33	2	2.7	2615	70.0
USG	74F12R	RR2Y	4.1		2.8	35	2	2.0	2886	69.4
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3		1.7	34	0	2.0	3165	68.1
USG	74B58	RR/STS	4.5		1.0	29	3	2.7	2504	67.4
Progeny	P 4211RY	RR2Y	4.2		1.0	30	6	2.3	2730	67.3
Asgrow	AG4232	RR2Y/STS	4.2		1.3	33	2	2.3	3100	66.5
VA	V03-4660	CONV	4.7		1.0	32	0	1.3	3114	61.2
RPM	DB4512RR	RR	4.5		1.0	32	11	2.3	2935	60.5
Pioneer	94Y22	RR	4.2		1.0	31	6	2.7	2773	60.4
USG	74A27	RR/STS	4.2		1.0	29	4	2.3	2965	59.8
					0.4	3.3	3.2	0.6	209.8	8.6
					23.1	7.1	76.0	17.9	5.4	8.7
					1.3	33.7	3.1	2.3	2849.2	72.4

Table 3d. Performance of Full Season Early Maturity Group IV Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Channel	4500R2	RR2Y	4.5	12-Oct	1.0	35	0	2.3	2775	84.3
NK	S 46-A1	RR2Y	4.6	9-Oct	1.0	42	0	2.3	2764	76.7
HBK	RY4620	RR2Y/STS	4.6	12-Oct	1.0	37	1	2.0	2809	75.8
S.States	SS 4312N R2	RR2Y	4.3	9-Oct	1.2	36	1	2.0	2763	73.7
Dyna-Gro	31RY45	RR2Y	4.5	9-Oct	1.2	38	2	3.0	2918	72.8
USG	74B58	RR/STS	4.5	4-Oct	1.0	29	0	2.7	2469	71.8
Asgrow	AG4633	RR2Y	4.6	12-Oct	1.0	31	2	2.3	2630	71.3
Progeny	P 4611RY	RR2Y	4.6	12-Oct	1.2	38	1	2.7	2930	70.3
Asgrow	AG4632	RR2Y/STS	4.6	12-Oct	1.0	39	0	2.3	3020	70.0
USG	74D32R	RR2Y	4.3	9-Oct	2.7	34	0	2.3	3054	69.7
T.A. Seeds	TS4339R2	RR2Y	4.3	12-Oct	1.0	32	1	3.0	2569	69.6
Dyna-Gro	SX12245R	RR2Y	4.5	12-Oct	1.0	37	3	3.0	2513	69.1
Channel	4206R2	RR2Y	4.2	9-Oct	1.0	33	1	2.7	2438	69.0
Asgrow	AG4531	RR2Y/STS	4.5	9-Oct	1.0	33	2	2.0	2896	68.5
Stine	46LD02	LL	4.6	12-Oct	1.0	37	3	3.0	2565	68.1
Progeny	P 4510RY	RR2Y	4.5	12-Oct	1.0	33	1	2.3	2893	66.0
Dyna-Gro	39RY43	RR2Y	4.3	9-Oct	1.0	34	4	2.0	2849	65.7
T.A. Seeds	TS4939R2	RR2Y	4.9	12-Oct	1.0	34	2	1.7	2923	65.7
Channel	4205R2	RR2Y	4.2	4-Oct	1.0	36	4	2.7	2687	65.2
Hubner	H46-01R2/STS	RR2Y/STS	4.6	12-Oct	1.0	32	0	2.0	2875	65.1
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3	9-Oct	1.2	35	11	2.7	3016	64.6
Progeny	P 4211RY	RR2Y	4.2	9-Oct	1.2	33	3	2.3	2816	63.7
NK	S 41-J6	RR2Y	4.1	9-Oct	1.2	36	1	2.3	3020	62.7
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5	9-Oct	1.0	42	2	2.3	3036	61.8
Dyna-Gro	S44RS93	RR2Y/STS	4.4	6-Oct	1.0	30	1	2.7	3113	61.4
S.States	SS 4412N R2	RR2Y	4.4	6-Oct	1.2	31	0	2.0	3015	60.4
Asgrow	AG4433	RR2Y	4.4	4-Oct	1.0	35	3	2.3	3048	59.0
USG	74F12R	RR2Y	4.1	4-Oct	1.5	38	2	2.7	2880	58.8
S.States	SS 4510N R2	RR2Y	4.5	4-Oct	1.0	35	2	8.7	2785	58.5
Pioneer	94Y22	RR	4.2	4-Oct	1.0	33	8	2.7	2731	56.9
USG	74A45	RR	4.4	4-Oct	1.5	39	1	2.0	3495	55.9
Asgrow	AG4232	RR2Y/STS	4.2	4-Oct	1.0	33	2	2.3	3158	55.7
VA	V03-4660	CONV	4.7	12-Oct	1.0	34	0	2.0	3632	55.2
Mid-Atlantic	MAS4666NRR	RR	4.6	12-Oct	1.2	36	1	2.0	2948	55.1
Mid-Atlantic	MAS4200RR2	RR2Y	4.2	6-Oct	1.2	29	1	2.7	3188	54.8
RPM	DB4512RR	RR	4.5	6-Oct	1.0	32	11	3.0	2909	54.4
S.States	SS 4032N R2	RR2Y	4.0	4-Oct	1.0	27	3	2.0	3399	48.4
USG	74A27	RR/STS	4.2	4-Oct	1.0	31	1	2.7	2996	47.9
LSD (P=.10)				3.9	0.3	4.8	4.4	2.6	178.3	11.1
CV				7.6	20.1	10.2	147.0	74.8	4.5	12.7
Grand Mean				8-Oct	1.1	34.5	2.2	2.6	2908.6	64.3

Table 3e. Performance of Full Season Early Maturity Group IV Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
T.A. Seeds	TS4939R2	RR2Y	4.9	11-Oct	1.3	33	5	1.7	2699	67.9
Asgrow	AG4531	RR2Y/STS	4.5	5-Oct	1.2	27	3	1.7	2904	64.9
Progeny	P 4211RY	RR2Y	4.2	2-Oct	1.3	24	2	1.7	2616	62.6
Progeny	P 4510RY	RR2Y	4.5	6-Oct	1.3	26	1	1.3	2816	61.9
Stine	46LD02	LL	4.6	5-Oct	1.1	27	3	1.3	2661	59.9
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5	7-Oct	1.2	31	3	1.3	2865	59.0
HBK	RY4620	RR2Y/STS	4.6	9-Oct	1.2	27	3	1.7	2758	58.8
S.States	SS 4312N R2	RR2Y	4.3	1-Oct	1.1	23	3	1.3	2626	57.6
Asgrow	AG4433	RR2Y	4.4	3-Oct	1.3	28	2	2.0	2956	57.2
Asgrow	AG4232	RR2Y/STS	4.2	1-Oct	1.1	25	1	1.0	2904	56.7
Mid-Atlantic	MAS4666NRR	RR	4.6	7-Oct	1.4	30	1	1.3	3098	56.7
Dyna-Gro	31RY45	RR2Y	4.5	5-Oct	1.3	28	4	2.0	2756	56.5
RPM	DB4512RR	RR	4.5	3-Oct	1.3	24	7	2.0	2758	55.8
S.States	SS 4510N R2	RR2Y	4.5	2-Oct	1.1	27	2	1.3	2650	55.6
USG	74D32R	RR2Y	4.3	2-Oct	1.3	23	2	1.3	2959	55.4
Asgrow	AG4632	RR2Y/STS	4.6	3-Oct	1.1	28	3	1.7	2904	55.2
Pioneer	94Y22	RR	4.2	30-Sep	1.1	25	4	2.0	2645	54.1
Mid-Atlantic	MAS4200RR2	RR2Y	4.2	2-Oct	1.2	25	1	1.0	3023	54.1
Channel	4500R2	RR2Y	4.5	6-Oct	1.2	24	1	1.7	2850	54.0
USG	74B58	RR/STS	4.5	3-Oct	1.0	22	2	1.7	2517	53.7
Progeny	P 4611RY	RR2Y	4.6	3-Oct	1.3	27	1	1.7	2782	53.7
S.States	SS 4032N R2	RR2Y	4.0	2-Oct	1.2	19	4	1.3	2674	53.6
Hubner	H46-01R2/STS	RR2Y/STS	4.6	5-Oct	1.2	25	3	1.3	2808	53.0
Channel	4206R2	RR2Y	4.2	1-Oct	1.1	23	2	1.7	2671	52.8
USG	74A27	RR/STS	4.2	2-Oct	1.1	22	3	1.7	2836	52.8
USG	74A45	RR	4.4	30-Sep	1.4	28	2	1.3	3222	52.2
Asgrow	AG4633	RR2Y	4.6	3-Oct	1.2	24	1	1.0	2598	52.2
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3	4-Oct	1.3	26	0	1.3	3414	51.5
VA	V03-4660	CONV	4.7	8-Oct	1.3	22	1	1.7	3574	51.4
Dyna-Gro	39RY43	RR2Y	4.3	2-Oct	1.2	22	5	1.7	2720	50.0
USG	74F12R	RR2Y	4.1	30-Sep	1.1	24	2	1.3	2867	48.2
NK	S 41-J6	RR2Y	4.1	30-Sep	1.3	25	1	1.3	3039	48.2
T.A. Seeds	TS4339R2	RR2Y	4.3	2-Oct	1.0	22	2	1.3	2661	47.1
S.States	SS 4412N R2	RR2Y	4.4	3-Oct	1.1	22	3	2.0	2791	46.7
Dyna-Gro	SX12245R	RR2Y	4.5	4-Oct	1.1	26	5	2.0	2548	46.7
Channel	4205R2	RR2Y	4.2	30-Sep	1.3	20	2	1.7	2760	44.5
Dyna-Gro	S44RS93	RR2Y/STS	4.4	1-Oct	1.0	21	3	1.3	2896	42.5
LSD (P=.10)				2.5	0.2	3.8	2.0	0.5	160.0	10.4
CV				5.7	12.6	11.0	59.5	25.1	4.1	14.0
Grand Mean				3-Oct	1.2	25.1	2.5	1.5	2833.2	54.2

Table 3f. Performance of Double-Crop Early Maturity Group IV Entries at Orange, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5)	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
USG	74D32R	RR2Y	4.3			24	0	2.0	2787	46.9
Progeny	P 4611RY	RR2Y	4.6			25	0	2.0	2869	42.2
RPM	DB4512RR	RR	4.5			22	1	1.3	3022	41.5
USG	74F12R	RR2Y	4.1			27	0	1.7	2844	41.3
Progeny	P 4510RY	RR2Y	4.5			23	0	1.3	3032	39.2
Dyna-Gro	31RY45	RR2Y	4.5			24	0	2.0	3061	35.5
Dyna-Gro	SX12245R	RR2Y	4.5			26	1	2.0	2713	34.4
Channel	4500R2	RR2Y	4.5			23	0	1.3	2889	32.9
Progeny	P 4211RY	RR2Y	4.2			21	0	1.0	3061	31.0
Dyna-Gro	39RY43	RR2Y	4.3			25	0	1.0	3006	29.0
LSD (P=.10)						2.2	0.6	0.5	140.5	7.2
CV						6.6	299.3	24.3	3.4	13.6
Grand Mean						24.0	0.1	1.6	2928.3	37.4

Table 3g. Performance of Double-Crop Early Maturity Group IV Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5)	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Channel	4500R2	RR2Y	4.5				1	1.3	2337	91.4
Dyna-Gro	SX12245R	RR2Y	4.5				4	1.7	2264	88.1
Mid-Atlantic	MAS4666NRR	RR	4.6				1	1.0	2605	87.8
Progeny	P 4611RY	RR2Y	4.6				1	2.0	2495	85.1
NK	S 46-A1	RR2Y	4.6				1	1.0	2402	82.6
Asgrow	AG4632	RR2Y/STS	4.6				0	1.0	2562	81.7
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5				0	1.0	2636	81.7
NK	S 41-J6	RR2Y	4.1				2	1.0	2655	80.6
Dyna-Gro	31RY45	RR2Y	4.5				0	1.0	2582	79.6
USG	74D32R	RR2Y	4.3				0	1.0	2693	78.8
Progeny	P 4211RY	RR2Y	4.2				2	1.3	2468	78.3
Progeny	P 4510RY	RR2Y	4.5				1	1.0	2420	77.9
Asgrow	AG4633	RR2Y	4.6				1	1.0	2336	77.7
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3				1	1.0	2723	77.2
USG	74B58	RR/STS	4.5				0	1.0	2052	76.2
USG	74F12R	RR2Y	4.1				3	1.5	2558	75.9
RPM	DB4512RR	RR	4.5				6	2.0	2522	75.8
Mid-Atlantic	MAS4200RR2	RR2Y	4.2				0	1.0	2676	75.2
Dyna-Gro	39RY43	RR2Y	4.3				1	1.0	2460	74.3
USG	74D42S	STS	4.4				1	1.3	2768	67.0
USG	74A45	RR	4.4				1	1.0	3255	63.5
LSD (P=.10)							1.8	0.4	91.3	10.2
CV							98.5	23.7	2.6	9.4
Grand Mean							1.3	1.2	2546.3	78.9

Table 3h. Performance of Double-Crop Early Maturity Group IV Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Progeny	P 4611RY	RR2Y	4.6		1.3	41	3	2.0	2671	85.7
Channel	4500R2	RR2Y	4.5		1.5	39	2	2.0	2523	84.3
Dyna-Gro	39RY43	RR2Y	4.3		1.5	38	7	3.0	2535	83.0
NK	S 41-J6	RR2Y	4.1		1.8	39	3	2.0	2715	81.8
Dyna-Gro	31RY45	RR2Y	4.5		1.5	37	3	3.0	2587	79.0
USG	74D42S	STS	4.4		1.3	35	3	2.0	2791	78.4
Mid-Atlantic	MAS4666NRR	RR	4.6		1.5	41	1	2.0	2754	77.7
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5		1.7	45	2	2.0	2671	77.1
Asgrow	AG4633	RR2Y	4.6		1.5	36	3	2.0	2621	76.8
RPM	DB4512RR	RR	4.5		1.3	38	11	3.0	2595	76.6
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3		1.3	39	3	2.0	2692	75.5
Asgrow	AG4632	RR2Y/STS	4.6		1.3	42	1	2.0	2714	75.3
USG	74B58	RR/STS	4.5		1.2	34	4	3.0	2149	74.6
Dyna-Gro	SX12245R	RR2Y	4.5		1.5	43	4	3.0	2462	74.5
Progeny	P 4510RY	RR2Y	4.5		1.5	38	3	2.0	2560	73.7
USG	74D32R	RR2Y	4.3		2.5	38	3	2.0	2776	71.6
NK	S 46-A1	RR2Y	4.6		1.7	40	4	3.0	2753	71.2
USG	74F12R	RR2Y	4.1		2.3	36	3	3.0	2741	69.0
Mid-Atlantic	MAS4200RR2	RR2Y	4.2		2.2	35	4	3.0	2714	68.4
USG	74A45	RR	4.4		2.2	45	3	2.0	3191	68.1
Progeny	P 4211RY	RR2Y	4.2		1.5	36	8	3.0	2562	66.7
LSD (P=.10)					0.3	3.3	2.6	0.6	100.8	8.7
CV					13.1	6.1	49.6	17.0	2.8	8.4
Grand Mean					1.6	38.9	3.8	2.4	2656.0	75.7

Table 3i. Performance of Double-Crop Early Maturity Group IV Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Mid-Atlantic	MAS4504NRR2/STS	RR2Y/STS	4.5	17-Oct	1.1	33	1	1.0	2950	58.6
Asgrow	AG4632	RR2Y/STS	4.6	16-Oct	1.1	29	1	1.0	3090	57.9
Dyna-Gro	31RY45	RR2Y	4.5	16-Oct	1.1	27	1	1.0	3061	57.4
Progeny	P 4510RY	RR2Y	4.5	17-Oct	1.1	27	1	1.0	2856	56.3
NK	S 46-A1	RR2Y	4.6	17-Oct	1.3	29	0	1.0	2907	56.2
Channel	4500R2	RR2Y	4.5	17-Oct	1.1	26	0	1.0	2863	56.1
Mid-Atlantic	MAS4399NRR/STS	RR2Y/STS	4.3	17-Oct	1.3	29	0	1.0	3417	55.8
Dyna-Gro	SX12245R	RR2Y	4.5	16-Oct	1.1	29	2	2.0	2647	55.4
Mid-Atlantic	MAS4200RR2	RR2Y	4.2	16-Oct	1.3	26	0	1.0	3076	55.1
Dyna-Gro	39RY43	RR2Y	4.3	16-Oct	1.1	25	1	1.0	2976	55.0
Asgrow	AG4633	RR2Y	4.6	17-Oct	1.2	27	1	1.0	2996	54.5
USG	74A45	RR	4.4	15-Oct	1.6	33	1	1.0	3624	53.5
RPM	DB4512RR	RR	4.5	17-Oct	1.1	26	2	1.0	3040	53.4
Mid-Atlantic	MAS4666NRR	RR	4.6	18-Oct	1.4	32	0	1.0	3118	53.1
USG	74D32R	RR2Y	4.3	15-Oct	1.7	27	0	1.0	3150	52.9
USG	74B58	RR/STS	4.5	18-Oct	1.0	25	1	1.0	2507	52.8
Progeny	P 4211RY	RR2Y	4.2	18-Oct	1.3	25	1	1.0	2913	50.2
Progeny	P 4611RY	RR2Y	4.6	16-Oct	1.1	28	1	1.0	3002	50.0
USG	74D42S	STS	4.4	17-Oct	1.1	23	1	1.0	3054	47.1
USG	74F12R	RR2Y	4.1	15-Oct	1.8	31	0	1.0	3075	45.6
LSD (P=.10)				1.1	0.2	2.0	1.2	0.5	110.0	4.9
CV				1.7	11.2	5.3	119.9	26.7	2.7	6.6
Grand Mean				16-Oct	1.3	27.9	0.7	1.2	3016.1	53.8

Table 4a. Performance of Full-Season Late Maturity Group IV Entries at Blackstone, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Southern Harvest	SH 4913LL	LL	4.9				4	2.0	2430	63.3
VA	V03-4705	CONV	4.9				2	1.3	2362	61.2
Univ. of Tenn	TN09-029	CONV	4.8				14	2.7	2496	60.3
HBK	R4924	RR	4.9				8	1.7	2155	57.6
VA	V03-4660	CONV	4.7				4	1.7	2824	56.6
USG	7495nRS	RR/STS	4.9				6	2.0	2080	55.9
USG	74G99L	LL	4.9				6	2.0	2503	54.4
VA	V04-1022	CONV	4.9				5	1.0	2580	53.8
Arkansas	R05-4114	CONV	4.9				3	2.7	2545	53.2
USG	74A92R	RR2Y	4.9				5	1.7	2271	52.5
HBK	RY4721	RR2Y	4.7				18	2.7	2074	52.5
Progeny	P 4814RY	RR2Y	4.8				19	2.3	2096	52.1
USG	74H92R	RR2Y	4.9				7	2.0	2231	51.7
Asgrow	AG4832	RR2Y/STS	4.8				12	2.0	2166	50.4
Progeny	P 4928LL	LL	4.9				10	1.7	2391	50.4
USG	74G82L	LL	4.8				5	1.3	2513	50.2
Progeny	P 4850RY	RR2Y	4.8				16	2.0	2731	50.1
USG	74F96	RR	4.9				11	2.0	2132	49.5
NK	S 48-P4	RR2Y/STS	4.8				14	2.0	2285	49.5
Asgrow	AG4730	RR2Y/STS	4.7				8	1.0	2323	48.9
Progeny	P 4819LL	LL	4.8				13	1.7	2623	48.9
Asgrow	AG4933	RR2Y	4.9				8	2.0	2280	48.8
Progeny	P 4920RY	RR2Y	4.9				5	2.0	2314	48.6
NK	S 49-F8	RR	4.9				10	2.0	2375	48.2
Hubner	H48-12R2/STS	RR2Y/STS	4.8				15	1.7	2292	47.3
Progeny	P 4747RY	RR2Y	4.7				12	2.0	2136	46.5
Progeny	P 4710RY	RR2Y	4.7				4	1.3	2342	45.9
Stine	47RD00	RR2Y	4.7				5	2.0	2728	45.1
USG	74B81R	RR2Y	4.8				10	2.0	2396	44.7
Pioneer	94Y70	RR	4.7				17	2.3	2454	43.5
Progeny	P 4900RY	RR2Y	4.9				17	2.3	2075	42.1
USG	74A79R	RR2Y/STS	4.7				12	2.3	2129	42.0
Pioneer	94L71	LL	4.7				25	3.0	2391	41.1
LSD (P=.10)							7.0	0.8	265.2	9.5
CV							51.0	28.4	8.3	13.7
Grand Mean							10.0	2.0	2355.3	50.5

Table 4b. Performance of Full-Season Late Maturity Group IV Entries at Orange, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Armor	DK4744RR2/STS	RR2Y/STS	4.7		1.0	43	1	1.0	2747	78.9
Progeny	P 4900RY	RR2Y	4.9		1.0	41	0	1.3	2747	78.4
HBK	RY4721	RR2Y	4.7		1.0	49	1	1.0	2937	76.9
Channel	4806R2STS	RR2Y/STS	4.8		1.0	50	0	1.0	2839	75.0
Hubner	H48-12R2/STS	RR2Y/STS	4.8		1.0	45	0	1.0	3064	73.4
Channel	4705R2	RR2Y	4.7		1.0	46	1	1.3	3010	70.5
Asgrow	AG4832	RR2Y/STS	4.8		1.2	49	1	1.0	2870	69.7
Progeny	P 4850RY	RR2Y	4.8		1.0	48	1	1.0	2894	68.2
Asgrow	AG4933	RR2Y	4.9		1.2	48	1	1.0	2982	67.3
S.States	SS 4700 R2-STS	RR2Y/STS	4.7		1.2	44	0	1.0	3014	67.0
Pioneer	94Y70	RR	4.7		1.3	50	0	1.3	2850	66.9
Progeny	P 4819LL	LL	4.8		1.0	43	1	1.0	3201	62.4
Progeny	P 4920RY	RR2Y	4.9		1.3	49	0	1.0	2796	61.4
Asgrow	AG4730	RR2Y/STS	4.7		1.3	44	0	1.0	3010	61.2
T.A. Seeds	TS4729RS	RR2Y	4.7		1.3	41	1	1.0	2899	61.1
Pioneer	94L71	LL	4.7		1.7	46	0	1.3	3293	61.0
Univ. of Tenn	TN09-029	CONV	4.8		1.8	38	0	1.7	3011	60.3
S.States	SS 4917N R2	RR2Y	4.9		1.0	45	2	1.0	2746	60.2
Progeny	P 4928LL	LL	4.9		1.8	51	1	1.0	3434	59.9
Progeny	P 4747RY	RR2Y	4.7		1.0	49	0	1.0	2876	59.0
Progeny	P 4814RY	RR2Y	4.8		1.0	45	0	1.3	2828	59.0
Progeny	P 4710RY	RR2Y	4.7		1.0	45	0	1.0	3118	57.9
VA	V04-1022	CONV	4.9		2.0	41	0	4.3	3006	54.8
HBK	R4924	RR	4.9		1.8	53	1	1.0	3075	54.7
VA	V03-4705	CONV	4.9		2.0	41	0	1.0	3160	51.4
S.States	SS 4725NS R2	RR2Y/STS	4.7		1.0	47	0	1.0	3013	50.8
VA	V03-4660	CONV	4.7		2.0	41	0	1.0	3608	49.3
LSD (P=.10)					0.7	4.2	1.0	1.6	140.4	11.2
CV					38.3	6.7	150.0	95.6	3.4	12.9
Grand Mean					1.3	45.6	0.5	1.2	3001.1	63.6

Table 4c. Performance of Full-Season Late Maturity Group IV Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
USG	74H92R	RR2Y	4.9		1.3	38	7	2.0	2445	71.6
USG	74F96	RR	4.9		1.3	36	7	2.7	2741	65.9
Dyna-Gro	S48RS53	RR2Y	4.8		1.3	40	4	3.0	2735	65.3
Progeny	P 4850RY	RR2Y	4.8		1.3	41	8	3.0	2833	65.3
Arkansas	R05-4114	CONV	4.9		1.0	33	3	2.7	3163	64.3
Armor	DK4744RR2/STS	RR2Y/STS	4.7		1.3	39	7	3.0	2619	64.3
Southern Harvest	SH 4913LL	LL	4.9		1.3	40	4	3.0	2855	64.2
Progeny	P 4920RY	RR2Y	4.9		1.0	40	6	3.0	2532	63.3
USG	74A92R	RR2Y	4.9		1.3	40	6	3.0	2698	62.9
Progeny	P 4710RY	RR2Y	4.7		1.0	35	3	2.3	2923	62.5
Progeny	P 4928LL	LL	4.9		1.0	38	8	3.0	3028	62.5
USG	7495nRS	RR/STS	4.9		2.3	35	4	2.3	2794	62.0
Asgrow	AG4933	RR2Y	4.9		1.0	39	9	3.0	2844	61.9
VA	V04-1022	CONV	4.9		1.0	30	5	2.7	2630	61.9
USG	74A79R	RR2Y/STS	4.7		1.3	36	6	3.0	2624	61.8
Dyna-Gro	37RY47	RR2Y	4.7		1.0	35	4	2.7	2666	61.7
Progeny	P 4747RY	RR2Y	4.7		1.0	37	5	3.0	2632	61.0
Channel	4806R2STS	RR2Y/STS	4.8		1.3	37	4	2.3	2771	60.6
Progeny	P 4900RY	RR2Y	4.9		1.0	38	6	3.0	2700	60.0
Progeny	P 4814RY	RR2Y	4.8		1.3	39	8	2.7	2775	59.3
HBK	R4924	RR	4.9		2.3	40	4	2.3	2858	58.8
Progeny	P 4819LL	LL	4.8		1.7	35	12	3.0	2811	58.3
VA	V03-4705	CONV	4.9		1.0	29	2	2.0	3139	58.3
Dyna-Gro	SX12247R	RR2Y	4.7		1.7	36	8	2.7	2752	57.9
Asgrow	AG4730	RR2Y/STS	4.7		1.7	37	5	2.3	2973	57.4
Channel	4705R2	RR2Y	4.7		2.0	37	12	3.3	2793	57.3
Dyna-Gro	39D48	RR	4.8		1.7	37	13	3.3	2717	56.8
USG	74B81R	RR2Y	4.8		1.3	39	8	2.7	2774	56.7
T.A. Seeds	TS4729RS	RR2Y	4.7		1.0	33	9	3.0	2828	55.7
USG	74G99L	LL	4.9		1.3	41	3	2.3	3237	55.7
Asgrow	AG4832	RR2Y/STS	4.8		1.3	36	5	3.0	2808	55.3
USG	74G82L	LL	4.8		2.0	31	10	3.0	2985	54.6
Univ. of Tenn	TN09-029	CONV	4.8		1.0	27	2	2.7	2844	54.3
HBK	RY4721	RR2Y	4.7		1.5	37	11	3.0	2666	53.4
Pioneer	94Y70	RR	4.7		1.3	40	12	3.0	2650	53.4
USG	74H81	RR	4.8		2.0	39	10	3.0	2667	51.9
VA	V03-4660	CONV	4.7		1.0	31	3	2.7	3103	50.4
Pioneer	94L71	LL	4.7		2.0	38	10	3.3	2844	47.7
LSD (P=.10)				.	0.6	5.5	5.0	0.5	160.9	8.7
CV				.	31.6	11.0	54.3	13.1	4.2	10.8
Grand Mean				.	1.4	36.5	6.7	2.8	2801.5	59.4

Table 4d. Performance of Full-Season Late Maturity Group IV Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Dyna-Gro	39D48	RR	4.8	11-Oct	1.3	41	2	2.3	2907	73.8
Asgrow	AG4730	RR2Y/STS	4.7	10-Oct	1.0	36	1	2.0	3061	73.8
Southern Harvest	SH 4913LL	LL	4.9	13-Oct	1.2	44	3	2.0	3216	72.9
Dyna-Gro	37RY47	RR2Y	4.7	11-Oct	1.0	38	4	2.3	2916	72.0
Progeny	P 4747RY	RR2Y	4.7	10-Oct	1.2	40	4	2.3	2851	71.8
Progeny	P 4928LL	LL	4.9	11-Oct	1.3	44	2	2.0	3324	71.8
Hubner	H48-12R2/STS	RR2Y/STS	4.8	11-Oct	1.0	40	2	2.3	3011	70.3
USG	74H81	RR	4.8	10-Oct	1.5	40	2	2.0	3034	69.6
Progeny	P 4900RY	RR2Y	4.9	11-Oct	1.0	31	2	3.0	2709	69.4
USG	74A92R	RR2Y	4.9	11-Oct	1.3	41	4	2.0	3117	69.3
Arkansas	R05-4114	CONV	4.9	13-Oct	1.2	31	0	2.3	3443	69.0
Channel	4806R2STS	RR2Y/STS	4.8	11-Oct	1.2	40	5	1.3	3015	68.9
Asgrow	AG4933	RR2Y	4.9	11-Oct	1.0	41	6	2.3	3097	68.8
USG	74G99L	LL	4.9	12-Oct	1.2	41	3	2.3	3315	68.1
Progeny	P 4710RY	RR2Y	4.7	9-Oct	1.0	35	2	2.0	3168	68.0
USG	7495nRS	RR/STS	4.9	11-Oct	1.5	40	4	2.0	2946	67.8
Armor	DK4744RR2/STS	RR2Y/STS	4.7	11-Oct	1.0	34	3	2.0	2768	67.8
S.States	SS 4917N R2	RR2Y	4.9	11-Oct	1.0	39	3	2.0	2803	67.2
S.States	SS 4725NS R2	RR2Y/STS	4.7	11-Oct	1.0	35	3	1.7	3015	66.7
T.A. Seeds	TS4729RS	RR2Y	4.7	11-Oct	1.0	32	3	3.0	3048	66.5
USG	74F96	RR	4.9	11-Oct	1.0	34	3	2.3	2815	65.0
USG	74H92R	RR2Y	4.9	11-Oct	1.0	38	3	2.3	2893	65.0
HBK	RY4721	RR2Y	4.7	11-Oct	1.2	39	4	2.3	2896	64.7
USG	74G82L	LL	4.8	11-Oct	1.0	36	3	2.3	3132	64.4
Progeny	P 4850RY	RR2Y	4.8	11-Oct	1.0	37	4	1.7	2981	64.4
NK	S 49-F8	RR	4.9	11-Oct	1.0	34	3	2.3	3441	64.3
Dyna-Gro	S48RS53	RR2Y	4.8	11-Oct	1.0	37	5	1.7	3036	64.0
Progeny	P 4819LL	LL	4.8	11-Oct	1.0	36	0	1.7	3319	63.7
Progeny	P 4920RY	RR2Y	4.9	11-Oct	1.0	37	4	2.0	2752	63.5
Univ. of Tenn	TN09-029	CONV	4.8	11-Oct	1.0	32	1	3.0	2949	63.3
Pioneer	94Y70	RR	4.7	9-Oct	1.7	37	1	3.0	2838	63.0
Channel	4705R2	RR2Y	4.7	9-Oct	1.3	40	6	2.0	3111	62.1
VA	V03-4660	CONV	4.7	11-Oct	1.2	30	0	2.3	3515	62.0
S.States	SS 4700 R2-STS	RR2Y/STS	4.7	9-Oct	1.0	32	2	2.3	3076	61.9
Dyna-Gro	SX12247R	RR2Y	4.7	13-Oct	1.3	38	2	2.0	2883	61.2
Pioneer	94L71	LL	4.7	10-Oct	1.8	39	3	2.7	3125	60.1
NK	S 48-P4	RR2Y/STS	4.8	11-Oct	1.2	42	4	2.3	2966	59.8
VA	V04-1022	CONV	4.9	13-Oct	1.0	28	1	2.0	3126	59.6
Progeny	P 4814RY	RR2Y	4.8	11-Oct	1.3	35	4	2.7	3034	59.5
HBK	R4924	RR	4.9	11-Oct	2.0	46	1	1.7	3252	58.9
USG	74A79R	RR2Y/STS	4.7	11-Oct	1.2	34	1	2.0	2742	58.0
Asgrow	AG4832	RR2Y/STS	4.8	11-Oct	1.0	39	3	2.0	2858	58.0
Stine	47RD00	RR2Y	4.7	9-Oct	1.0	33	4	2.0	2811	56.3
USG	74B81R	RR2Y	4.8	11-Oct	1.2	42	2	2.3	2975	55.7
VA	V03-4705	CONV	4.9	11-Oct	1.0	31	0	1.7	3436	55.6
LSD (P=.10)				1.9	0.4	4.0	2.6	0.6	143.2	8.7
CV				3.3	22.3	7.9	69.5	19.9	3.5	9.8
Grand Mean				11-Oct	1.2	37.1	2.7	2.2	3038.4	65.1

Table 4e. Performance of Full-Season Late Maturity Group IV Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
NK	S 49-F8	RR	4.9	10-Oct	1.1	28	2	1.0	3203	63.8
USG	74H92R	RR2Y	4.9	9-Oct	1.3	31	5	2.0	2731	59.4
Hubner	H48-12R2/STS	RR2Y/STS	4.8	3-Oct	1.2	29	4	2.0	2846	58.7
S.States	SS 4917N R2	RR2Y	4.9	10-Oct	1.3	31	4	2.0	2663	58.6
Progeny	P 4920RY	RR2Y	4.9	9-Oct	1.2	30	4	2.0	2673	58.2
HBK	RY4721	RR2Y	4.7	6-Oct	1.2	31	4	1.0	2735	57.9
USG	74G99L	LL	4.9	10-Oct	1.2	28	6	2.0	3085	57.4
USG	74G82L	LL	4.8	8-Oct	1.3	28	3	2.0	3106	57.1
USG	74B81R	RR2Y	4.8	7-Oct	1.3	32	3	2.0	2742	56.8
Progeny	P 4814RY	RR2Y	4.8	7-Oct	1.1	28	2	2.0	2745	56.3
Progeny	P 4850RY	RR2Y	4.8	9-Oct	1.2	31	3	2.0	2902	55.9
Progeny	P 4928LL	LL	4.9	13-Oct	1.3	29	6	2.0	3092	55.9
USG	74H81	RR	4.8	7-Oct	1.3	28	4	2.0	2990	55.6
Asgrow	AG4730	RR2Y/STS	4.7	7-Oct	1.2	26	1	1.0	2822	55.6
S.States	SS 4725NS R2	RR2Y/STS	4.7	3-Oct	1.3	29	2	1.0	2845	55.6
Dyna-Gro	SX12247R	RR2Y	4.7	5-Oct	1.2	28	1	2.0	2786	55.6
Dyna-Gro	S48RS53	RR2Y	4.8	10-Oct	1.3	29	4	2.0	2923	55.5
Stine	47RD00	RR2Y	4.7	8-Oct	1.3	27	3	1.0	2741	55.4
Progeny	P 4710RY	RR2Y	4.7	8-Oct	1.2	26	3	1.0	2824	54.2
Progeny	P 4819LL	LL	4.8	6-Oct	1.1	29	1	2.0	3182	54.2
Southern Harvest	SH 4913LL	LL	4.9	14-Oct	1.2	31	5	2.0	3255	54.2
Progeny	P 4900RY	RR2Y	4.9	9-Oct	1.1	26	3	2.0	2555	54.1
S.States	SS 4700 R2-STS	RR2Y/STS	4.7	7-Oct	1.3	26	3	2.0	2838	53.8
Arkansas	R05-4114	CONV	4.9	14-Oct	1.7	22	1	2.0	3531	53.7
Channel	4806R2STS	RR2Y/STS	4.8	9-Oct	1.2	30	4	2.0	2889	53.5
USG	74A92R	RR2Y	4.9	9-Oct	1.3	28	3	2.0	2848	53.3
VA	V04-1022	CONV	4.9	14-Oct	1.0	23	3	2.0	3265	53.3
USG	74A79R	RR2Y/STS	4.7	6-Oct	1.3	26	3	2.0	2699	52.8
Pioneer	94Y70	RR	4.7	2-Oct	1.2	31	4	2.0	2838	52.8
VA	V03-4705	CONV	4.9	12-Oct	1.4	24	0	2.0	3179	52.7
Dyna-Gro	37RY47	RR2Y	4.7	6-Oct	1.2	24	1	1.0	2840	52.5
Armor	DK4744RR2/STS	RR2Y/STS	4.7	7-Oct	1.1	25	3	2.0	2774	52.5
USG	74F96	RR	4.9	8-Oct	1.4	26	4	2.0	2727	52.4
Asgrow	AG4832	RR2Y/STS	4.8	7-Oct	1.2	30	6	1.0	2688	51.9
HBK	R4924	RR	4.9	10-Oct	1.3	32	2	1.0	2886	51.5
NK	S 48-P4	RR2Y/STS	4.8	7-Oct	1.3	31	2	2.0	2840	51.5
VA	V03-4660	CONV	4.7	10-Oct	1.6	24	1	2.0	3503	51.5
USG	7495nRS	RR/STS	4.9	9-Oct	1.5	28	3	1.0	2758	50.5
Univ. of Tenn	TN09-029	CONV	4.8	8-Oct	1.1	23	1	2.0	3280	48.8
Pioneer	94L71	LL	4.7	3-Oct	1.2	26	3	2.0	3126	47.2
Progeny	P 4747RY	RR2Y	4.7	5-Oct	1.2	27	3	2.0	2600	47.1
Dyna-Gro	39D48	RR	4.8	6-Oct	1.1	24	3	2.0	2984	46.8
Channel	4705R2	RR2Y	4.7	5-Oct	1.2	29	7	2.0	2713	46.6
T.A. Seeds	TS4729RS	RR2Y	4.7	9-Oct	1.0	24	5	1.0	2796	46.5
Asgrow	AG4933	RR2Y	4.9	5-Oct	1.2	26	3	2.0	2840	46.2
LSD (P=.10)				2.0	0.2	3.4	2.5	0.5	118.1	8.5
CV				4.0	10.8	9.0	58.6	21.2	3.0	11.6
Grand Mean				8-Oct	1.3	27.7	3.2	1.6	2908.6	53.7

Table 4f. Performance of Double-Crop Late Maturity Group IV Entries at Blackstone, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Stine	47RD00	RR2Y	4.7			20	0	1.0	2763	63.8
Southern Harvest	SH 4913LL	LL	4.9			26	0	1.0	3390	63.5
Asgrow	AG4933	RR2Y	4.9			24	0	1.0	2868	59.1
Arkansas	R05-4114	CONV	4.9			25	0	1.0	3485	58.4
Asgrow	AG4730	RR2Y/STS	4.7			19	0	1.0	2886	56.7
Progeny	P 4928LL	LL	4.9			25	0	1.0	3320	56.6
Univ. of Tenn	TN09-029	CONV	4.8			24	0	1.0	3089	55.4
Pioneer	94L71	LL	4.7			20	0	1.0	3299	54.9
USG	74G99L	LL	4.9			26	0	1.0	3364	53.9
Asgrow	AG4832	RR2Y/STS	4.8			26	0	1.0	2850	53.5
Progeny	P 4850RY	RR2Y	4.8			22	0	1.0	2838	53.3
NK	S 48-P4	RR2Y/STS	4.8			25	0	1.0	2862	52.5
USG	74B81R	RR2Y	4.8			26	0	1.0	2741	52.3
NK	S 49-F8	RR	4.9			23	0	1.0	3237	52.2
USG	74A92R	RR2Y	4.9			23	0	1.0	2856	52.1
Progeny	P 4710RY	RR2Y	4.7			20	0	1.0	2863	50.6
Progeny	P 4814RY	RR2Y	4.8			25	0	1.0	2656	48.3
Pioneer	94Y70	RR	4.7			25	0	1.0	2803	48.2
Progeny	P 4747RY	RR2Y	4.7			24	0	1.0	2742	47.9
USG	74A79R	RR2Y/STS	4.7			19	0	2.0	2621	47.4
Progeny	P 4920RY	RR2Y	4.9			19	0	1.0	2770	47.4
USG	74G82L	LL	4.8			21	0	1.0	3021	46.0
Progeny	P 4819LL	LL	4.8			18	0	1.0	3267	45.3
Progeny	P 4900RY	RR2Y	4.9			21	0	1.0	2661	38.7
LSD (P=.10)						5.6	0.3	0.3	142.6	10.8
CV						17.8	440.8	21.6	3.5	14.9
Grand Mean						22.7	0.1	1.1	2968.8	52.4

Table 4g. Performance of Double-Crop Late Maturity Group IV Entries at Orange, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Univ. of Tenn	TN09-029	CONV	4.8		2.0	27	0	1.0	3008	49.9
Progeny	P 4710RY	RR2Y	4.7		1.0	26	0	1.0	3031	49.3
Arkansas	R05-4114	CONV	4.9		2.7	26	0	1.0	3236	49.1
Channel	4806R2STS	RR2Y/STS	4.8		1.0	29	0	1.0	2906	48.6
Progeny	P 4850RY	RR2Y	4.8		1.0	30	0	1.0	2881	48.0
Channel	4705R2	RR2Y	4.7		1.0	30	0	1.3	3050	46.8
Progeny	P 4928LL	LL	4.9		1.0	29	0	1.0	3079	45.9
Progeny	P 4920RY	RR2Y	4.9		1.0	26	0	1.0	2873	45.7
Progeny	P 4819LL	LL	4.8		1.0	24	0	1.0	3214	44.9
Progeny	P 4747RY	RR2Y	4.7		1.0	24	0	1.0	2967	43.5
Pioneer	94Y70	RR	4.7		1.0	29	0	1.3	2817	42.8
NK	S 48-P4	RR2Y/STS	4.8		1.0	31	0	1.0	3057	42.4
Progeny	P 4814RY	RR2Y	4.8		1.0	27	0	1.3	2905	41.2
Pioneer	94L71	LL	4.7		1.3	28	0	1.3	3239	41.0
Progeny	P 4900RY	RR2Y	4.9		1.0	22	0	1.3	2776	37.9
LSD (P=.10)					0.7	4.3	0.4	0.4	166.8	6.8
CV					41.1	11.3	335.4	28.2	4.0	10.7
Grand Mean					1.2	27.2	0.1	1.1	3002.6	45.1

Table 4h. Performance of Double-Crop Late Maturity Group IV Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Progeny	P 4850RY	RR2Y	4.8		1.8	38	1	1.0	2630	87.1
Progeny	P 4900RY	RR2Y	4.9		1.7	32	1	1.0	2276	84.9
Armor	DK4744RR2/STS	RR2Y/STS	4.7		2.7	33	1	1.0	2354	84.8
Progeny	P 4710RY	RR2Y	4.7		2.7	39	1	1.0	2576	83.6
Southern Harvest	SH 4913LL	LL	4.9		2.0	36	1	1.0	2999	83.3
Channel	4806R2STS	RR2Y/STS	4.8		1.5	36	1	1.0	2618	82.8
S.States	SS 4725NS R2	RR2Y/STS	4.7		1.8	36	1	1.0	2731	81.7
Progeny	P 4747RY	RR2Y	4.7		2.3	35	1	1.0	2487	81.5
S.States	SS 4700 R2-STS	RR2Y/STS	4.7		3.0	35	2	1.0	2609	81.4
Asgrow	AG4832	RR2Y/STS	4.8		1.7	39	4	1.0	2714	80.4
USG	74F96	RR	4.9		2.7	32	1	1.0	2536	79.6
Arkansas	R05-4114	CONV	4.9		4.0	43	1	1.0	3348	77.9
Progeny	P 4920RY	RR2Y	4.9		2.0	33	1	1.0	2386	77.6
Asgrow	AG4730	RR2Y/STS	4.7		3.3	38	2	1.0	2590	77.5
USG	74G99L	LL	4.9		3.0	37	0	1.0	3075	77.3
Channel	4705R2	RR2Y	4.7		2.0	38	0	1.0	2662	77.2
USG	74A79R	RR2Y/STS	4.7		2.3	34	0	1.0	2455	77.2
Stine	47RD00	RR2Y	4.7		1.8	36	0	1.0	2437	77.0
USG	74B81R	RR2Y	4.8		2.2	39	1	1.0	2650	76.2
Asgrow	AG4933	RR2Y	4.9		1.5	36	0	1.0	2667	76.0
USG	74A92R	RR2Y	4.9		2.7	36	0	1.0	2768	75.8
Dyna-Gro	39D48	RR	4.8		2.7	38	1	1.0	2698	75.3
NK	S 49-F8	RR	4.9		1.5	35	0	1.0	3043	75.1
S.States	SS 4917N R2	RR2Y	4.9		2.0	37	1	1.0	2430	74.6
Univ. of Tenn	TN09-029	CONV	4.8		4.0	38	1	1.0	2883	73.5
USG	74H81	RR	4.8		3.2	38	1	1.0	2741	73.0
Pioneer	94Y70	RR	4.7		2.0	37	1	1.0	2536	72.6
Progeny	P 4819LL	LL	4.8		2.0	33	1	1.0	2918	72.5
USG	74G82L	LL	4.8		2.0	32	0	1.0	2863	71.9
Progeny	P 4928LL	LL	4.9		1.8	39	0	1.0	3089	71.9
Pioneer	94L71	LL	4.7		3.7	37	1	1.0	2832	71.1
Progeny	P 4814RY	RR2Y	4.8		1.7	34	0	1.0	2591	66.5
LSD (P=.10)				.	0.8	3.0	1.8	0.4	97.8	7.7
CV				.	24.6	6.2	165.8	27.0	2.7	7.3
Grand Mean				.	2.4	36.2	0.8	1.1	2693.6	77.5

Table 4i. Performance of Double-Crop Late Maturity Group IV Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
S.States	SS 4917N R2	RR2Y	4.9	19-Oct	2.0	38	0	1.3	2482	88.0
S.States	SS 4725NS R2	RR2Y/STS	4.7	22-Oct	2.3	44	2	1.0	2629	86.3
Armor	DK4744RR2/STS	RR2Y/STS	4.7	19-Oct	2.0	36	1	1.3	2509	85.6
Progeny	P 4710RY	RR2Y	4.7	19-Oct	2.0	38	1	1.3	2671	85.2
Progeny	P 4900RY	RR2Y	4.9	19-Oct	2.0	35	2	1.3	2468	85.1
Channel	4806R2STS	RR2Y/STS	4.8	20-Oct	2.7	44	1	1.0	2666	84.4
Progeny	P 4850RY	RR2Y	4.8	23-Oct	2.0	45	2	1.7	2635	84.4
S.States	SS 4700 R2-STS	RR2Y/STS	4.7	19-Oct	2.3	38	0	1.3	2640	84.3
Southern Harvest	SH 4913LL	LL	4.9	23-Oct	1.7	41	0	1.0	2929	83.9
USG	74A92R	RR2Y	4.9	20-Oct	2.0	40	1	1.7	2624	83.2
Progeny	P 4819LL	LL	4.8	20-Oct	1.5	35	1	1.7	2877	81.2
USG	74F96	RR	4.9	19-Oct	2.0	39	1	1.3	2482	81.0
Asgrow	AG4933	RR2Y	4.9	22-Oct	1.7	43	1	1.3	2646	80.7
USG	74A79R	RR2Y/STS	4.7	19-Oct	2.0	34	1	1.0	2556	80.5
Dyna-Gro	39D48	RR	4.8	19-Oct	2.3	37	1	1.0	2687	80.0
Asgrow	AG4832	RR2Y/STS	4.8	20-Oct	1.7	42	3	2.0	2546	79.9
Asgrow	AG4730	RR2Y/STS	4.7	19-Oct	2.3	40	0	1.3	2585	79.6
Arkansas	R05-4114	CONV	4.9	23-Oct	4.0	34	0	1.7	3290	79.5
Progeny	P 4747RY	RR2Y	4.7	19-Oct	2.2	39	1	1.7	2610	79.1
USG	74G82L	LL	4.8	22-Oct	1.7	37	1	1.7	2925	78.9
USG	74G99L	LL	4.9	20-Oct	2.7	39	1	1.3	3013	76.9
Progeny	P 4920RY	RR2Y	4.9	20-Oct	2.0	39	1	1.3	2481	76.6
Univ. of Tenn	TN09-029	CONV	4.8	20-Oct	2.0	31	1	1.7	2832	76.1
Channel	4705R2	RR2Y	4.7	19-Oct	2.0	44	3	1.7	2571	75.9
Pioneer	94L71	LL	4.7	20-Oct	3.7	38	3	2.7	2752	75.1
Pioneer	94Y70	RR	4.7	23-Oct	2.7	41	1	1.7	2687	75.0
NK	S 49-F8	RR	4.9	21-Oct	1.2	37	2	1.7	3162	74.8
Progeny	P 4814RY	RR2Y	4.8	19-Oct	2.7	38	2	1.3	2671	74.4
Progeny	P 4928LL	LL	4.9	23-Oct	2.3	40	0	1.3	3014	74.3
NK	S 48-P4	RR2Y/STS	4.8	19-Oct	2.3	46	1	1.3	2724	73.5
Stine	47RD00	RR2Y	4.7	19-Oct	2.0	40	1	1.7	2610	72.5
USG	74H81	RR	4.8	19-Oct	3.0	41	3	1.3	2780	72.0
USG	74B81R	RR2Y	4.8	19-Oct	2.0	44	1	1.3	2666	68.4
LSD (P=.10)				1.9	0.7	3.4	1.9	0.7	80.1	9.0
CV				2.8	21.8	6.3	109.3	32.8	2.2	8.3
Grand Mean				20-Oct	2.2	39.3	1.3	1.5	2709.7	79.3

Table 4j. Performance of Double-Crop Late Maturity Group IV Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Matur	Maturity Date	Lodging (1-5	Height (inche	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Progeny	P 4928LL	LL	4.9	23-Oct	1.2	32	0	1.0	3176	65.4
Asgrow	AG4933	RR2Y	4.9	22-Oct	1.1	32	0	1.0	2867	62.8
Southern Harvest	SH 4913LL	LL	4.9	24-Oct	1.2	32	1	1.0	2995	61.9
Univ. of Tenn	TN09-029	CONV	4.8	23-Oct	1.8	27	0	1.0	3199	60.1
S.States	SS 4725NS R2	RR2Y/STS	4.7	21-Oct	1.2	33	1	1.0	3075	60.0
Armor	DK4744RR2/STS	RR2Y/STS	4.7	17-Oct	1.0	27	1	1.0	2892	59.7
Progeny	P 4850RY	RR2Y	4.8	21-Oct	1.3	32	0	1.0	3016	59.3
USG	74A92R	RR2Y	4.9	20-Oct	1.2	30	0	1.0	2968	59.1
Channel	4806R2STS	RR2Y/STS	4.8	21-Oct	1.2	32	0	1.0	3001	58.9
Progeny	P 4710RY	RR2Y	4.7	20-Oct	1.3	30	0	1.0	2994	58.7
USG	74G99L	LL	4.9	23-Oct	1.2	31	0	1.0	3134	58.5
Progeny	P 4920RY	RR2Y	4.9	20-Oct	1.1	29	0	1.0	2742	58.5
USG	74G82L	LL	4.8	19-Oct	1.3	29	0	1.0	3182	58.1
Dyna-Gro	39D48	RR	4.8	18-Oct	1.1	30	0	1.0	3202	57.6
Asgrow	AG4832	RR2Y/STS	4.8	18-Oct	1.1	31	1	1.0	2919	57.6
Progeny	P 4747RY	RR2Y	4.7	18-Oct	1.1	29	0	1.0	2898	57.3
S.States	SS 4700 R2-STS	RR2Y/STS	4.7	20-Oct	1.3	29	0	1.0	2975	57.1
S.States	SS 4917N R2	RR2Y	4.9	21-Oct	1.1	28	0	1.0	2764	56.5
Pioneer	94L71	LL	4.7	18-Oct	1.6	30	0	1.0	3209	56.3
Progeny	P 4819LL	LL	4.8	20-Oct	1.1	28	0	1.0	3235	56.0
USG	74A79R	RR2Y/STS	4.7	18-Oct	1.2	25	1	1.0	2764	55.9
USG	74F96	RR	4.9	20-Oct	1.2	28	0	1.0	2783	55.9
Asgrow	AG4730	RR2Y/STS	4.7	19-Oct	1.1	28	0	1.0	2975	55.9
NK	S 49-F8	RR	4.9	20-Oct	1.0	29	0	1.0	3417	55.1
Channel	4705R2	RR2Y	4.7	19-Oct	1.1	31	0	1.0	2996	54.0
Stine	47RD00	RR2Y	4.7	18-Oct	1.1	26	0	1.0	2870	53.5
Arkansas	R05-4114	CONV	4.9	22-Oct	2.3	30	1	1.0	3625	53.0
Progeny	P 4900RY	RR2Y	4.9	19-Oct	1.1	27	0	1.0	2682	52.4
USG	74H81	RR	4.8	19-Oct	1.1	30	0	1.0	3170	52.1
Pioneer	94Y70	RR	4.7	18-Oct	1.1	30	1	1.0	3070	51.8
Progeny	P 4814RY	RR2Y	4.8	19-Oct	1.2	28	0	1.0	3028	50.8
NK	S 48-P4	RR2Y/STS	4.8	18-Oct	1.2	33	1	1.0	3061	50.2
USG	74B81R	RR2Y	4.8	18-Oct	1.2	34	0	1.0	2968	49.1
LSD (P=.10)				1.5	0.3	1.9	0.8	0.0	118.4	6.5
CV				2.3	15.4	4.6	188.2	0.0	2.9	8.4
Grand Mean				20-Oct	1.2	29.7	0.3	1.0	3025.8	56.7

Table 5a. Performance of Full-Season Maturity Group V Entries at Blackstone, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Public	Osage	CONV	5.6			24	3	1.7	2582	70.9
Stine	6202-4	RR	6.2			24	1	1.7	2636	67.9
Stine	54LD00	LL	5.4			24	1	1.7	2501	67.6
RPM	DB5711RR	RR	5.7			24	1	1.7	2572	67.4
North Carolina	NCC06-579	CONV	5.8			26	1	1.3	2629	66.2
Pioneer	95Y20	RR	5.2			25	0	1.7	2464	65.9
VA	Hutcheson	CONV	5.6			24	3	1.0	2482	64.2
Progeny	P 5460LL	LL	5.4			24	6	1.3	2420	64.1
Public	UA5612	CONV	5.6			25	4	1.7	2649	63.6
S.States	SS 5911N R2	RR2Y	5.9			26	1	2.0	3182	63.5
Croplan	CR6102N	0.0	5.5			25	0	1.0	3034	63.3
VA	V03-4705	CONV	5.1			23	0	1.3	2417	63.3
USG	75Z38	RR	5.3			25	1	1.3	2188	62.8
Hubner	H58-12R2	RR2Y	5.8			25	0	1.3	2314	62.8
Univ. of Tenn	TN09-008	CONV	5.1			22	5	2.0	2474	62.7
North Carolina	NCC07-1148R	RR	5.5			22	2	1.7	2545	62.3
North Carolina	NCC07-7506	CONV	5.2			23	3	1.7	2390	62.0
Southern Harvest	SH 5512LL	LL	5.5			23	1	1.0	2581	61.9
HBK	RY5421	RR2Y	5.4			22	1	1.0	2422	61.8
Armor	AR57-R22	RR2Y	5.7			27	0	1.0	2286	61.7
S.States	SS 5312N R2	RR2Y	5.3			27	12	2.0	2329	61.2
Southern Harvest	SH5912LL	LL	5.9			25	0	1.3	2719	60.8
S.States	SS 5511N R2	RR2Y	5.5			26	1	1.7	2263	60.8
Progeny	P 5610RY	RR2Y	5.6			23	0	1.3	2278	60.7
Hubner	H58-10R2-2	#N/A	#N/A			25	1	1.3	2273	60.6
HBK	R5425	RR	5.4			30	0	1.0	2309	59.8
Arkansas	R09-1607RR	RR	5.0			24	2	1.7	2541	59.3
Asgrow	AG5632	RR2Y/STS	5.6			22	3	1.3	2608	59.1
USG	75Q52R	RR2Y	5.5			24	4	1.3	2485	58.5
NK	S56-G6	RR	5.6			24	0	1.0	2947	58.3
Asgrow	AG5533	RR2Y/STS	5.5			26	1	1.7	2551	58.0
Progeny	P 5655RY	RR2Y	5.6			26	4	1.7	2452	57.6
S.States	SS 5510N R2	RR2Y	5.5			21	3	1.7	2486	57.5
VA	Glenn	CONV	5.6			25	4	1.3	2610	57.4
HBK	RY5521	RR2Y	5.5			24	1	1.7	2318	57.0
Hubner	H58-10R2	RR2Y	5.8			28	0	1.7	2240	56.8
Stine	51RD02	RR2Y	5.1			29	3	1.3	2666	56.2
Progeny	P 5210RY	RR2Y	5.2			23	3	2.0	2386	56.1
Pioneer	95M82	RR	5.8			23	0	1.7	2598	55.0
S.States	SS 5711N R2	RR2Y	5.7			26	2	1.7	2135	54.8
North Carolina	NCC07-7714	CONV	5.1			24	7	1.7	2742	54.5
Public	Ozark	CONV	5.2			26	2	1.7	2475	54.2
LSD (P=.10)						3.2	2.4	0.6	147.5	10.6
CV						9.8	66.3	27.4	4.3	13.5
Grand Mean						24.3	2.7	1.5	2516.4	57.9

Table 5a. Continued.

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	Purple Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./lb)	Yield (bu/acre)
Progeny	P 5111RY	RR2Y	5.1			25	6	1.7	2508	53.8
Arkansas	R04-1268RR	RR	5.4			23	4	1.3	2557	53.8
Southern Harvest	SH 5212LL	LL	5.2			25	5	1.7	2492	53.0
Progeny	P 5412RY	RR2Y	5.4			25	3	1.3	2514	52.9
USDA-ARS	JTN-5203	CONV	5.3			23	6	1.7	2674	52.4
USDA-ARS	JTN-4307	CONV	5.0			21	2	1.7	2844	52.2
USG	7553nRS	RR/STS	5.5			23	2	1.7	2897	51.8
NK	S 51-H9	RR2Y	5.1			23	5	1.3	2633	51.7
USG	75B21R	RR2	5.2			26	5	1.3	2635	50.8
S.States	SS 5510N R2	RR2Y	5.5			24	3	1.7	2531	50.3
Progeny	P 5160LL	LL	5.1			20	4	2.0	2337	50.1
Hubner	H51-10R2	RR2Y	5.1			23	13	1.7	2390	49.8
HBK	RY5221	RR2Y	5.5			23	5	1.7	2155	46.9
S.States	SS 5112N R2	RR2Y	5.1			23	3	1.7	2667	45.5
Stine	58LC23	LL	5.8			26	4	1.3	2605	43.1
USG	75U52R	RR2Y	5.2			20	1	1.3	2332	41.2
LSD (P=.10)						3.2	2.4	0.6	147.5	10.6
CV						9.8	66.3	27.4	4.3	13.5
Grand Mean						24.3	2.7	1.5	2516.4	57.9

Table 5b. Performance of Full-Season Maturity Group V Entries at Orange, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
VA	Glenn	CONV	5.6		3.7	39	0	1.3	2956	79.4
Progeny	P 5160LL	LL	5.1		2.3	42	0	1.0	3049	74.9
Hubner	H58-12R2	RR2Y	5.8		2.3	43	0	1.0	2809	74.6
HBK	RY5121	RR2Y	5.1		2.7	44	0	1.3	2635	72.1
S.States	SS 5510N R2	RR2Y	5.5		3.0	51	0	1.7	2792	71.5
Hubner	H58-10R2	RR2Y	5.8		2.0	42	0	1.0	2557	71.2
USDA-ARS	JTN-5203	CONV	5.3		3.3	40	0	1.0	3535	70.1
VA	Hutcheson	CONV	5.6		3.0	44	0	1.0	3104	69.1
Progeny	P 5460LL	LL	5.4		1.7	48	0	1.0	3512	68.9
HBK	RY5221	RR2Y	5.5		3.3	55	1	1.7	2421	67.3
S.States	SS 5312N R2	RR2Y	5.3		3.3	38	1	1.0	2975	67.3
Croplan	CR6102N	0	5.5		2.7	42	0	1.0	3742	66.2
Pioneer	95Y20	RR	5.2		2.7	42	2	1.0	3125	65.9
North Carolina	NCC07-7506	CONV	5.2		4.7	42	0	1.0	3212	65.6
Armor	AR53-15	RR2Y	5.3		3.7	44	0	1.3	2792	65.0
Univ. of Tenn	TN09-008	CONV	5.1		3.3	41	0	2.0	2580	64.9
Progeny	P 5610RY	RR2Y	5.6		2.3	45	0	1.0	2902	64.4
Progeny	P 5111RY	RR2Y	5.1		2.3	51	1	1.3	3220	64.0
HBK	RY5521	RR2Y	5.5		3.0	44	0	1.0	3090	63.8
Arkansas	R04-1268RR	RR	5.4		4.3	44	1	1.3	3523	63.7
Hubner	H51-10R2	RR2Y	5.1		2.0	40	0	1.3	2968	63.4
Progeny	P 5210RY	RR2Y	5.2		3.7	45	0	1.0	2809	63.1
Progeny	P 5655RY	RR2Y	5.6		3.3	43	0	1.0	3096	62.8
HBK	RY5421	RR2Y	5.4		3.7	45	0	1.0	2832	62.8
Pioneer	95M82	RR	5.8		2.3	47	0	1.0	3091	61.7
S.States	SS 5112N R2	RR2Y	5.1		3.3	42	0	1.3	3139	60.8
Arkansas	R09-1607RR	RR	5.0		3.0	45	0	1.0	3466	60.2
S.States	SS 5510N R2	RR2Y	5.5		2.0	50	0	1.7	2814	60.2
Progeny	P 5412RY	RR2Y	5.4		2.7	43	0	1.0	3300	60.1
North Carolina	NCC07-7714	CONV	5.1		4.3	42	0	1.0	3753	59.9
T.A. Seeds	TS5199RS	RR/STS	5.1		2.7	60	0	1.0	3121	57.7
North Carolina	NCC06-579	CONV	5.8		4.0	47	0	1.0	3347	57.6
VA	V03-4705	CONV	5.1		3.3	39	0	1.3	3206	57.2
RPM	DB5711RR	RR	5.7		3.7	47	0	1.0	3029	56.4
North Carolina	NCC07-1148R	RR	5.5		4.0	48	0	1.0	2918	56.2
HBK	R5425	RR	5.4		2.7	48	0	1.0	2775	55.2
USDA-ARS	JTN-4307	CONV	5.0		3.0	36	0	1.0	3529	50.0
LSD (P=.10)				.	0.9	5.7	0.7	0.4	215.8	12.9
CV				.	21.1	9.4	210.6	26.6	5.2	14.7
Grand Mean				.	3.1	44.6	0.2	1.2	3073.6	64.2

Table 5c. Performance of Full-Season Maturity Group V Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
NK	S56-G6	RR	5.6		2.0	41	0	2.0	2840	71.8
Dyna-Gro	39RY57	RR2Y	5.7		1.3	32	3	2.0	2375	70.2
S.States	SS 5711N R2	RR2Y	5.7		1.8	36	1	2.3	2411	68.7
Montague	V03-1144W	CONV	5.6		1.0	31	1	1.7	3838	65.1
USG	7553nRS	RR/STS	5.5		1.5	37	0	1.7	3171	64.1
Armor	AR55-R22	RR2Y	5.5		1.3	37	2	2.0	2324	63.9
Dyna-Gro	32RY55	RR2Y	5.7		2.0	37	2	2.3	2278	63.7
Progeny	P 5610RY	RR2Y	5.6		2.0	36	2	2.0	2305	63.5
North Carolina	NCC07-7506	CONV	5.2		1.3	33	2	2.0	2618	63.3
Pioneer	95M82	RR	5.8		2.0	43	2	1.7	2736	63.1
USG	75Q52R	RR2Y	5.5		1.5	38	5	2.3	2655	62.6
Asgrow	AG5533	RR2Y/STS	5.5		2.3	39	4	2.0	2615	62.3
VA	Glenn	CONV	5.6		1.3	32	5	2.0	2438	62.2
Asgrow	AG5632	RR2Y/STS	5.6		1.3	35	3	2.0	2823	61.9
North Carolina	NCC07-7714	CONV	5.1		1.8	32	2	2.0	3133	61.5
USG	75Z38	RR	5.3		1.3	35	1	2.0	2343	61.1
S.States	SS 5911N R2	RR2Y	5.9		2.0	43	1	2.0	3493	61.1
Progeny	P 5160LL	LL	5.1		1.0	31	3	2.3	2600	60.9
S.States	SS 5511N R2	RR2Y	5.5		2.0	35	1	2.3	2290	60.0
Univ. of Tenn	TN09-008	CONV	5.1		1.7	34	3	3.0	2321	59.8
HBK	RY5521	RR2Y	5.5		1.3	37	1	2.3	2704	59.4
North Carolina	NCC06-579	CONV	5.8		2.7	36	3	2.0	2797	58.9
HBK	RY5421	RR2Y	5.4		2.0	35	1	2.3	2454	58.4
RPM	DB5711RR	RR	5.7		2.3	40	4	2.7	2532	58.3
HBK	RY5121	RR2Y	5.1		1.0	33	2	2.0	2296	58.3
Public	Ozark	CONV	5.2		1.3	35	3	2.3	2495	56.4
Progeny	P 5210RY	RR2Y	5.2		1.2	33	3	2.0	2477	56.2
Progeny	P 5655RY	RR2Y	5.6		1.3	39	3	2.3	2865	56.0
NK	S 51-H9	RR2Y	5.1		1.3	41	2	2.3	2775	55.7
Pioneer	95Y20	RR	5.2		2.3	37	3	2.0	2956	55.3
Armor	AR57-R22	RR2Y	5.7		1.7	41	1	2.3	2463	54.4
Public	UA5612	CONV	5.6		2.0	39	4	2.0	2931	54.2
USDA-ARS	JTN-5203	CONV	5.3		1.7	34	2	2.3	3017	53.7
Public	Osage	CONV	5.6		1.0	33	4	2.3	3040	53.7
Arkansas	R09-1607RR	RR	5.0		1.3	40	1	2.3	2880	53.2
Armor	AR53-15	RR2Y	5.3		1.5	35	3	2.3	2495	52.6
Arkansas	R04-1268RR	RR	5.4		1.0	32	8	2.3	2875	52.1
VA	Hutcheson	CONV	5.6		1.3	35	2	2.0	2633	51.6
Progeny	P 5460LL	LL	5.4		2.0	42	5	2.3	2994	51.1
Montague	V03-1144-6	CONV	5.6		1.3	32	2	2.0	4097	51.1
Progeny	P 5412RY	RR2Y	5.4		2.0	37	3	2.0	2982	50.8
VA	V03-4705	CONV	5.1		1.3	33	2	2.0	2800	49.2
USG	75U52R	RR2Y	5.2		2.0	41	2	2.3	2719	48.7
LSD (P=.10)				.	0.9	6.9	2.6	0.6	152.2	7.9
CV				.	39.2	13.7	73.9	19.0	4.0	10.4
Grand Mean				.	1.7	37.2	2.6	2.2	2813.2	56.1

Table 5c. Continued.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
HBK	R5425	RR	5.4		2.7	46	4	2.3	2717	48.7
Montague	MFS-591	CONV	5.9		1.0	35	0	2.0	4856	48.5
USG	75B21R	RR2	5.2		1.7	36	4	2.3	2725	47.6
North Carolina	NCC07-1148R	RR	5.5		2.2	41	4	2.3	2500	46.8
Montague	V03-1144-16	CONV	5.6		2.0	37	1	2.0	4406	46.5
S.States	SS 5510N R2	RR2Y	5.5		1.7	43	3	2.3	2781	45.5
USDA-ARS	JTN-4307	CONV	5.0		2.0	39	2	2.3	3068	45.3
HBK	RY5221	RR2Y	5.5		2.0	44	10	2.7	2520	44.5
T.A. Seeds	TS5199RS	RR/STS	5.1		2.0	47	3	2.3	2812	43.3
Progeny	P 5111RY	RR2Y	5.1		1.8	47	2	2.3	2830	38.2
LSD (P=.10)				.	0.9	6.9	2.6	0.6	152.2	7.9
CV				.	39.2	13.7	73.9	19.0	4.0	10.4
Grand Mean				.	1.7	37.2	2.6	2.2	2813.2	56.1

Table 5d. Performance of Full-Season Maturity Group V Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Univ. of Tenn	TN09-008	CONV	5.1	20-Oct	1.0	36	1	2.3	2374	81.0
Hubner	H58-12R2	RR2Y	5.8	20-Oct	1.0	35	1	2.0	2619	80.3
Dyna-Gro	39RY57	RR2Y	5.7	19-Oct	1.0	33	0	1.7	2727	80.1
VA	Glenn	CONV	5.6	20-Oct	1.2	31	2	2.0	2897	79.7
Hubner	H51-10R2	RR2Y	5.1	17-Oct	1.0	32	7	2.0	2900	79.6
HBK	RY5421	RR2Y	5.4	19-Oct	1.0	35	1	1.3	2904	79.1
S.States	SS 5711N R2	RR2Y	5.7	19-Oct	1.0	36	0	1.3	2528	78.9
Progeny	P 5412RY	RR2Y	5.4	20-Oct	1.0	39	2	1.0	3176	78.2
Progeny	P 5460LL	LL	5.4	19-Oct	1.2	38	2	1.3	3315	76.6
North Carolina	NCC06-579	CONV	5.8	20-Oct	1.0	37	0	1.3	3153	76.1
USG	75Q52R	RR2Y	5.5	20-Oct	1.2	36	4	1.3	3236	75.7
VA	Hutcheson	CONV	5.6	20-Oct	1.0	35	1	1.0	3134	75.6
HBK	RY5521	RR2Y	5.5	20-Oct	1.0	33	0	1.0	2923	75.3
Public	UA5612	CONV	5.6	20-Oct	1.8	36	1	2.0	3269	75.2
Dyna-Gro	32RY55	RR2Y	5.7	19-Oct	1.0	38	0	1.7	2495	74.9
USG	75Z38	RR	5.3	20-Oct	1.0	37	1	2.0	2687	74.6
USDA-ARS	JTN-5203	CONV	5.3	20-Oct	1.0	31	2	2.0	3414	74.6
Hubner	H58-10R2	RR2Y	5.8	20-Oct	1.0	35	1	1.7	2491	74.2
Southern Harvest	SH 5212LL	LL	5.2	19-Oct	1.7	41	5	1.3	3382	74.0
Stine	54LD00	LL	5.4	20-Oct	1.0	44	0	1.3	3168	73.9
Progeny	P 5111RY	RR2Y	5.1	16-Oct	1.2	40	5	2.0	2979	73.6
Progeny	P 5610RY	RR2Y	5.6	20-Oct	1.2	34	1	1.3	2669	73.5
NK	S 51-H9	RR2Y	5.1	19-Oct	1.2	39	3	2.0	3228	73.5
North Carolina	NCC07-7506	CONV	5.2	20-Oct	1.0	34	3	2.0	3116	73.3
S.States	SS 5112N R2	RR2Y	5.1	19-Oct	1.0	36	1	2.0	3136	73.1
NK	S56-G6	RR	5.6	20-Oct	1.0	33	0	1.0	4098	73.0
Asgrow	AG5632	RR2Y/STS	5.6	20-Oct	1.0	37	0	1.3	3240	72.8
Progeny	P 5160LL	LL	5.1	19-Oct	1.0	31	2	1.3	3269	72.5
S.States	SS 5911N R2	RR2Y	5.9	1-Sep	1.3	37	0	1.0	3652	72.5
USG	7553nRS	RR/STS	5.5	20-Oct	1.0	35	1	1.0	3895	72.1
Progeny	P 5655RY	RR2Y	5.6	17-Oct	1.0	39	4	1.7	3247	72.1
Southern Harvest	SH5912LL	LL	5.9	20-Oct	1.0	36	0	1.0	3055	71.9
Asgrow	AG5533	RR2Y/STS	5.5	20-Oct	1.7	42	1	1.3	3110	71.8
North Carolina	NCC07-7714	CONV	5.1	19-Oct	1.2	35	2	2.0	3692	71.6
Arkansas	R09-1607RR	RR	5.0	20-Oct	1.0	35	1	1.7	3399	71.6
S.States	SS 5511N R2	RR2Y	5.5	20-Oct	1.0	35	0	2.0	2495	71.6
Armor	AR57-R22	RR2Y	5.7	20-Oct	1.0	30	1	1.3	2598	71.5
Pioneer	95Y20	RR	5.2	19-Oct	1.0	32	1	1.7	3130	71.4
Progeny	P 5210RY	RR2Y	5.2	19-Oct	1.0	37	1	2.0	3688	71.1
Public	Osage	CONV	5.6	19-Oct	1.0	28	0	1.0	3521	70.9
USG	75B21R	RR2	5.2	19-Oct	1.0	31	1	2.0	3307	70.1
Stine	58LC23	LL	5.8	20-Oct	1.5	43	3	1.0	3027	70.0
LSD (P=.10)				2.0	0.3	5.0	2.5	0.6	589.5	10.3
CV				3.1	19.8	10.3	106.6	28.4	13.7	10.8
Grand Mean				19-Oct	1.1	36.1	1.8	1.6	3168.1	70.7

Table 5d. Continued.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Southern Harvest	SH 5512LL	LL	5.5	20-Oct	1.0	33	1	1.3	3087	69.9
Stine	51RD02	RR2Y	5.1	20-Oct	2.7	46	4	1.7	3149	69.5
HBK	RY5221	RR2Y	5.5	20-Oct	1.3	40	10	1.7	2635	68.4
S.States	SS 5312N R2	RR2Y	5.3	19-Oct	1.0	36	11	2.7	3062	68.3
Arkansas	R04-1268RR	RR	5.4	20-Oct	1.0	34	1	1.7	3171	67.8
RPM	DB5711RR	RR	5.7	20-Oct	1.2	43	2	2.0	2982	67.7
North Carolina	NCC07-1148R	RR	5.5	19-Oct	1.7	42	1	1.7	2728	67.6
Armor	AR55-R22	RR2Y	5.5	20-Oct	1.0	37	0	1.3	2637	67.2
Pioneer	95M82	RR	5.8	20-Oct	1.0	39	1	1.3	2968	66.5
USG	75U52R	RR2Y	5.2	20-Oct	1.0	32	1	1.3	3034	65.3
HBK	R5425	RR	5.4	1-Sep	1.3	44	1	1.7	2918	64.8
Public	Ozark	CONV	5.2	20-Oct	1.2	35	0	2.0	2786	64.6
Armor	AR53-15	RR2Y	5.3	19-Oct	1.3	33	2	1.0	2894	63.9
T.A. Seeds	TS5199RS	RR/STS	5.1	19-Oct	1.3	49	6	1.7	2981	63.9
Montague	V03-1144W	CONV	5.6	17-Oct	1.0	29	1	1.0	5343	63.3
USDA-ARS	JTN-4307	CONV	5.0	19-Oct	1.0	36	2	2.0	3339	62.7
S.States	SS 5510N R2	RR2Y	5.5	20-Oct	1.0	41	2	1.7	3040	62.2
S.States	SS 5510N R2	RR2Y	5.5	20-Oct	1.0	46	1	1.7	2655	61.5
Stine	6202-4	RR	6.2	1-Sep	1.0	35	0	1.3	2786	59.9
Montague	V03-1144-6	CONV	5.6	19-Oct	1.0	28	1	1.7	4850	59.9
Montague	V03-1144-16	CONV	5.6	19-Oct	1.0	32	1	1.0	4381	59.7
VA	V03-4705	CONV	5.1	20-Oct	1.0	31	2	2.0	3356	59.6
Montague	MFS-591	CONV	5.9	16-Oct	1.0	29	1	1.3	4800	55.0
LSD (P=.10)				2.0	0.3	5.0	2.5	0.6	589.5	10.3
CV				3.1	19.8	10.3	106.6	28.4	13.7	10.8
Grand Mean				19-Oct	1.1	36.1	1.8	1.6	3168.1	70.7

Table 5e. Performance of Full-Season Maturity Group V Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
North Carolina	NCC06-579	CONV	5.8	23-Oct	1.7	30	0	1.0	3199	76.6
Pioneer	95M82	RR	5.8	24-Oct	1.7	35	0	1.0	2942	76.3
Progeny	P 5610RY	RR2Y	5.6	21-Oct	1.9	30	0	1.0	2627	75.2
Stine	6202-4	RR	6.2	26-Oct	2.0	35	0	1.0	2786	74.4
S.States	SS 5511N R2	RR2Y	5.5	20-Oct	1.8	29	0	1.0	2730	73.9
HBK	R5425	RR	5.4	25-Oct	1.9	46	0	1.0	2509	73.8
VA	Glenn	CONV	5.6	17-Oct	2.0	25	0	1.0	3061	73.3
Progeny	P 5460LL	LL	5.4	16-Oct	1.9	42	1	1.0	3335	73.1
HBK	RY5221	RR2Y	5.5	18-Oct	3.1	42	7	2.0	2407	73.0
NK	S56-G6	RR	5.6	23-Oct	1.7	32	0	1.0	3431	72.5
Arkansas	R09-1607RR	RR	5.0	18-Oct	1.9	31	1	1.0	3341	72.4
S.States	SS 5711N R2	RR2Y	5.7	19-Oct	1.6	28	0	1.0	2968	72.3
Progeny	P 5412RY	RR2Y	5.4	18-Oct	1.4	29	0	1.0	3138	71.4
North Carolina	NCC07-7506	CONV	5.2	16-Oct	1.4	24	0	1.0	3216	71.3
Stine	54LD00	LL	5.4	23-Oct	1.7	36	1	1.0	3096	71.1
USDA-ARS	JTN-5203	CONV	5.3	17-Oct	1.7	25	1	1.0	3484	70.7
Armor	AR55-R22	RR2Y	5.5	21-Oct	1.7	30	0	1.0	2689	70.6
Croplan	CR6102N	0	5.5	20-Oct	1.8	34	0	1.0	3638	70.3
North Carolina	NCC07-1148R	RR	5.5	19-Oct	1.9	30	0	1.0	2970	69.9
Dyna-Gro	32RY55	RR2Y	5.7	21-Oct	1.6	30	0	1.0	2670	69.7
USG	75Q52R	RR2Y	5.5	20-Oct	1.6	29	1	1.0	3124	69.5
Montague	V03-1144W	CONV	5.6	19-Oct	1.1	24	0	1.0	4865	69.5
Progeny	P 5160LL	LL	5.1	17-Oct	1.3	23	0	1.0	3044	69.3
Southern Harvest	SH 5212LL	LL	5.2	13-Oct	1.6	37	2	1.0	3185	68.9
S.States	SS 5112N R2	RR2Y	5.1	17-Oct	1.4	27	2	2.0	3140	68.9
VA	V03-4705	CONV	5.1	16-Oct	2.0	27	1	1.0	3027	67.9
T.A. Seeds	TS5199RS	RR/STS	5.1	19-Oct	2.5	44	3	1.0	2839	67.3
Armor	AR57-R22	RR2Y	5.7	20-Oct	1.8	29	1	1.0	2704	66.9
Hubner	H58-10R2	RR2Y	5.8	20-Oct	1.7	29	0	1.0	2659	66.9
Southern Harvest	SH 5512LL	LL	5.5	17-Oct	1.7	29	0	1.0	3140	66.8
North Carolina	NCC07-7714	CONV	5.1	11-Oct	2.1	26	0	1.0	3929	66.7
Public	Osage	CONV	5.6	15-Oct	1.5	24	2	1.0	3483	66.5
S.States	SS 5911N R2	RR2Y	5.9	21-Oct	1.7	27	0	1.0	2775	66.5
Progeny	P 5655RY	RR2Y	5.6	19-Oct	1.7	28	1	1.0	3177	66.3
S.States	SS 5312N R2	RR2Y	5.3	16-Oct	1.3	26	4	1.0	3153	66.0
Public	Ozark	CONV	5.2	16-Oct	2.0	28	1	1.0	3007	65.5
Armor	AR53-15	RR2Y	5.3	18-Oct	1.9	28	1	1.0	2884	65.1
Dyna-Gro	39RY57	RR2Y	5.7	18-Oct	1.9	28	2	1.0	2970	65.0
Montague	V03-1144-6	CONV	5.6	11-Oct	1.6	26	0	1.0	4633	64.9
VA	Hutcheson	CONV	5.6	17-Oct	1.7	24	1	1.0	3148	63.6
Stine	58LC23	LL	5.8	20-Oct	2.5	31	2	1.0	3055	63.1
USG	75B21R	RR2	5.2	17-Oct	1.6	28	2	2.0	3161	62.9
LSD (P=.10)				3.3	0.5	5.2	1.7	0.5	187.6	10.8
CV				5.2	22.4	13.0	123.0	28.9	4.3	12.1
Grand Mean				18-Oct	1.7	29.5	1.0	1.2	3239.7	66.0

Table 5e. Continued.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Montague	V03-1144-16	CONV	5.6	13-Oct	1.6	25	1	1.0	5440	62.7
Arkansas	R04-1268RR	RR	5.4	18-Oct	2.1	30	2	1.0	3535	62.6
USG	7553nRS	RR/STS	5.5	18-Oct	1.3	26	1	1.0	4024	62.2
USG	75Z38	RR	5.3	17-Oct	1.7	28	1	1.0	2684	62.1
Public	UA5612	CONV	5.6	17-Oct	2.2	29	1	1.0	3626	62.1
S.States	SS 5510N R2	RR2Y	5.5	16-Oct	1.7	32	1	1.0	2898	61.9
RPM	DB5711RR	RR	5.7	20-Oct	1.6	30	0	1.0	3134	61.4
S.States	SS 5510N R2	RR2Y	5.5	16-Oct	1.7	35	1	1.0	2867	61.4
USG	75U52R	RR2Y	5.2	12-Oct	1.3	25	1	1.0	3304	60.9
Univ. of Tenn	TN09-008	CONV	5.1	17-Oct	1.6	25	0	2.0	2837	60.5
Progeny	P 5111RY	RR2Y	5.1	12-Oct	1.8	38	1	1.0	3112	60.3
Hubner	H51-10R2	RR2Y	5.1	15-Oct	1.1	22	2	1.0	2806	60.1
HBK	RY5421	RR2Y	5.4	18-Oct	1.6	24	1	1.0	3214	59.7
Pioneer	95Y20	RR	5.2	14-Oct	1.7	27	2	1.0	3313	58.7
Southern Harvest	SH5912LL	LL	5.9	18-Oct	1.3	26	1	1.0	3306	58.4
Progeny	P 5210RY	RR2Y	5.2	16-Oct	1.6	27	2	1.0	2996	57.6
USDA-ARS	JTN-4307	CONV	5.0	12-Oct	2.3	29	1	1.0	3511	56.4
Stine	51RD02	RR2Y	5.1	12-Oct	1.7	33	3	2.0	3657	56.1
HBK	RY5521	RR2Y	5.5	18-Oct	1.6	30	1	1.0	3289	55.8
Montague	MFS-591	CONV	5.9	19-Oct	1.8	28	0	1.0	5928	51.2
NK	S 51-H9	RR2Y	5.1	14-Oct	1.2	24	1	2.0	3282	49.3
LSD (P=.10)				3.3	0.5	5.2	1.7	0.5	187.6	10.8
CV				5.2	22.4	13.0	123.0	28.9	4.3	12.1
Grand Mean				18-Oct	1.7	29.5	1.0	1.2	3239.7	66.0

Table 5f. Performance of Double-Crop Maturity Group V Entries at Blackstone, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Univ. of Tenn	TN09-008	CONV	5.1		1.0	27	0	1.0	2803	65.5
Armor	AR53-15	RR2Y	5.3		1.2	31	0	1.0	2909	65.4
USDA-ARS	JTN-5203	CONV	5.3		1.0	26	0	1.3	3301	64.1
Asgrow	AG5533	RR2Y/STS	5.5		1.8	33	0	1.0	2961	63.7
Progeny	P 5610RY	RR2Y	5.6		1.0	30	0	1.0	2741	62.7
North Carolina	NCC07-1148R	RR	5.5		1.0	31	0	1.0	3081	62.2
Public	Osage	CONV	5.6		1.0	27	0	1.0	3417	62.2
USG	75J62R	RR2/STS	5.6		1.0	36	0	1.0	3267	61.7
Progeny	P 5460LL	LL	5.4		1.0	29	0	1.0	3283	61.4
North Carolina	NCC06-579	CONV	5.8		1.0	29	0	1.0	3124	61.2
Hubner	H58-10R2	RR2Y	5.8		1.3	30	0	1.0	2610	60.7
Progeny	P 5412RY	RR2Y	5.4		1.0	26	0	1.0	3075	60.4
Stine	6202-4	RR	6.2		1.8	35	0	1.0	3139	60.3
Public	Ozark	CONV	5.2		1.0	28	0	1.0	2987	60.1
Pioneer	95Y20	RR	5.2		1.2	30	0	1.0	3440	59.2
Progeny	P 5210RY	RR2Y	5.2		1.0	27	0	1.0	2948	59.0
Southern Harvest	SH 5512LL	LL	5.5		1.0	29	0	1.0	3203	58.7
Croplan	CR6102N	0	5.5		1.0	27	0	1.3	3363	58.6
Progeny	P 5160LL	LL	5.1		1.0	25	0	1.0	3082	58.6
Public	UA5612	CONV	5.6		1.3	25	0	1.0	3153	58.2
USG	75Q52R	RR2Y	5.5		1.3	33	0	1.0	3075	58.0
Progeny	P 5655RY	RR2Y	5.6		1.3	37	0	1.0	3027	57.5
RPM	DB5711RR	RR	5.7		1.3	33	0	1.0	3190	57.0
USDA-ARS	JTN-4307	CONV	5.0		1.0	29	0	1.0	3747	56.8
Progeny	P 5111RY	RR2Y	5.1		1.0	31	0	1.0	2828	56.6
North Carolina	NCC07-7506	CONV	5.2		1.0	24	1	1.0	3228	56.2
Southern Harvest	SH5912LL	LL	5.9		1.3	29	0	1.0	3244	55.8
USG	75B21R	RR2	5.2		1.2	31	0	1.0	3054	55.3
Pioneer	95M82	RR	5.8		1.7	32	0	1.0	3220	55.3
Asgrow	AG5332	RR2Y	5.3		1.0	22	0	1.0	2928	54.9
Stine	51RD02	RR2Y	5.1		1.0	33	0	1.0	3520	54.6
USG	75U52R	RR2Y	5.2		1.0	27	0	1.0	3054	54.4
Arkansas	R09-1607RR	RR	5.0		1.0	30	0	1.0	3562	53.7
S.States	SS 5510N R2	RR2Y	5.5		1.0	29	0	1.0	2994	53.2
Asgrow	AG5632	RR2Y/STS	5.6		1.0	31	0	1.0	3443	51.1
Southern Harvest	SH 5212LL	LL	5.2		1.0	25	0	1.0	3201	51.0
Asgrow	AG5233	RR2Y/STS	5.2		1.0	22	0	1.0	3146	50.2
Arkansas	R04-1268RR	RR	5.4		1.3	31	0	1.3	3626	49.6
North Carolina	NCC07-7714	CONV	5.1		1.0	25	0	1.0	3546	49.2
LSD (P=.10)					0.3	4.0	0.4	0.2	144.4	10.2
CV					19.0	10.2	509.1	15.6	3.3	12.9
Grand Mean					1.1	29.0	0.1	1.0	3167.2	57.8

Table 5g. Performance of Double-Crop Maturity Group V Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Hubner	H58-10R2	RR2Y	5.8		3.3	40	0	2.0	2528	84.0
Progeny	P 5610RY	RR2Y	5.6		3.7	44	0	1.0	2481	83.4
Asgrow	AG5632	RR2Y/STS	5.6		3.0	39	0	1.0	3078	80.1
Public	UA5612	CONV	5.6		4.3	41	0	2.0	3315	79.7
Dyna-Gro	39RY57	RR2Y	5.7		4.0	42	0	1.0	2631	78.4
USG	7553nRS	RR/STS	5.5		3.7	37	0	1.0	3492	78.1
North Carolina	NCC07-7506	CONV	5.2		4.3	38	0	2.0	2991	78.0
Progeny	P 5210RY	RR2Y	5.2		4.0	43	1	1.0	2720	77.8
Dyna-Gro	32RY55	RR2Y	5.7		3.7	45	0	2.0	2462	77.3
North Carolina	NCC06-579	CONV	5.8		4.0	47	0	1.0	2981	77.3
Croplan	CR6102N	0	5.5		3.3	41	0	1.0	3414	76.8
Progeny	P 5160LL	LL	5.1		3.0	33	0	1.0	2900	76.5
USG	75Z38	RR	5.3		4.0	39	0	1.0	2507	76.2
Asgrow	AG5533	RR2Y/STS	5.5		4.0	47	1	1.0	2857	76.0
Progeny	P 5655RY	RR2Y	5.6		2.8	43	1	2.0	2850	75.7
S.States	SS 5312N R2	RR2Y	5.3		3.7	40	0	2.0	2813	75.7
Public	Osage	CONV	5.6		3.0	34	0	1.0	2911	74.0
S.States	SS 5511N R2	RR2Y	5.5		3.7	42	0	1.0	2565	74.0
USDA-ARS	JTN-5203	CONV	5.3		3.3	36	1	2.0	3194	73.2
USG	75U52R	RR2Y	5.2		3.3	35	0	1.0	2982	73.0
Progeny	P 5111RY	RR2Y	5.1		3.0	41	1	2.0	2672	73.0
RPM	DB5711RR	RR	5.7		3.7	40	0	2.0	2798	72.0
Montague	V03-1144W	CONV	5.6		3.0	29	0	1.0	4780	71.9
USG	75J62R	RR2/STS	5.6		3.5	44	0	1.0	3237	71.5
Arkansas	R09-1607RR	RR	5.0		4.3	47	0	1.0	3276	71.5
Univ. of Tenn	TN09-008	CONV	5.1		4.0	36	0	2.0	2510	71.4
USG	75B21R	RR2	5.2		4.0	39	0	1.0	3033	70.9
USG	75Q52R	RR2Y	5.5		4.0	41	0	2.0	2826	70.6
Pioneer	95M82	RR	5.8		3.3	43	0	1.0	2844	70.3
S.States	SS 5510N R2	RR2Y	5.5		2.3	40	1	2.0	2743	70.1
Stine	54LD00	LL	5.4		1.7	39	0	1.0	3003	69.6
Progeny	P 5412RY	RR2Y	5.4		2.7	42	1	2.0	3034	69.6
Progeny	P 5460LL	LL	5.4		1.7	36	0	1.0	3190	69.4
North Carolina	NCC07-1148R	RR	5.5		3.7	40	0	2.0	2630	68.6
Public	Ozark	CONV	5.2		4.2	41	0	2.0	2764	67.7
USDA-ARS	JTN-4307	CONV	5.0		4.0	42	0	1.0	3237	67.4
North Carolina	NCC07-7714	CONV	5.1		4.0	38	0	1.0	3525	67.0
Pioneer	95Y20	RR	5.2		3.3	39	1	1.0	2990	66.1
Asgrow	AG5332	RR2Y	5.3		2.3	35	0	2.0	2786	65.9
Armor	AR53-15	RR2Y	5.3		4.3	40	0	2.0	2714	65.8
Montague	V03-1144-16	CONV	5.6		4.3	39	0	1.0	4831	65.7
S.States	SS 5510N R2	RR2Y	5.5		2.0	39	1	2.0	2792	65.6
S.States	SS 5112N R2	RR2Y	5.1		3.7	40	0	2.0	3055	64.3
Asgrow	AG5233	RR2Y/STS	5.2		2.0	35	1	1.0	3110	63.9
Arkansas	R04-1268RR	RR	5.4		4.0	40	0	2.0	3334	63.0
Montague	MFS-591	CONV	5.9		3.7	33	0	1.0	5209	61.3
Montague	V03-1144-6	CONV	5.6		3.7	36	0	1.0	4380	60.4
LSD (P=.10)					0.7	5.4	0.7	0.6	115.9	8.1
CV					14.9	10.1	210.2	29.1	2.8	8.3
Grand Mean					3.5	39.6	0.3	1.4	3084.6	71.9

Table 5h. Performance of Double-Crop Maturity Group V Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Dyna-Gro	39RY57	RR2Y	5.7		3.7	40	0	2.0	2672	89.1
Progeny	P 5610RY	RR2Y	5.6		2.7	41	0	1.7	2499	87.0
S.States	SS 5312N R2	RR2Y	5.3		3.0	44	2	1.7	3344	83.7
Asgrow	AG5533	RR2Y/STS	5.5		3.0	45	0	1.3	2936	83.0
Asgrow	AG5332	RR2Y	5.3		2.0	39	1	1.0	2729	82.0
Southern Harvest	SH5912LL	LL	5.9		3.0	44	0	1.7	3124	80.9
Stine	54LD00	LL	5.4		1.7	44	0	1.0	2937	80.8
Southern Harvest	SH 5512LL	LL	5.5		3.0	39	0	2.0	3014	80.8
S.States	SS 5511N R2	RR2Y	5.5		2.7	41	1	1.7	2500	80.8
Asgrow	AG5632	RR2Y/STS	5.6		2.0	44	0	1.3	3082	80.3
Progeny	P 5160LL	LL	5.1		2.3	34	1	1.3	2987	79.6
Croplan	CR6102N	0	5.5		2.7	41	0	1.7	3529	79.1
Public	Ozark	CONV	5.2		3.3	38	0	1.7	2741	79.0
USG	75Z38	RR	5.3		3.0	39	0	1.0	2499	78.7
Public	Osage	CONV	5.6		2.3	36	0	1.3	3021	78.0
Progeny	P 5412RY	RR2Y	5.4		2.3	47	2	1.7	3048	78.0
Progeny	P 5655RY	RR2Y	5.6		2.7	47	1	1.3	2798	77.4
USG	75Q52R	RR2Y	5.5		2.7	50	0	1.7	2869	76.4
Public	UA5612	CONV	5.6		4.3	41	1	2.0	3228	75.7
Hubner	H58-10R2	RR2Y	5.8		2.7	37	0	1.7	2726	75.6
Stine	51RD02	RR2Y	5.1		3.3	52	1	1.7	3346	75.3
USG	7553nRS	RR/STS	5.5		2.3	39	0	1.0	3547	75.2
Pioneer	95M82	RR	5.8		2.3	42	0	1.0	2887	75.2
Southern Harvest	SH 5212LL	LL	5.2		2.0	41	0	1.3	3021	75.1
Stine	6202-4	RR	6.2		3.0	47	0	1.7	2935	74.2
Univ. of Tenn	TN09-008	CONV	5.1		2.0	38	1	2.3	2616	73.6
Progeny	P 5111RY	RR2Y	5.1		2.0	48	2	1.3	2719	73.5
Progeny	P 5210RY	RR2Y	5.2		2.7	39	1	1.7	2709	73.5
USDA-ARS	JTN-5203	CONV	5.3		2.0	35	0	2.0	3340	73.2
North Carolina	NCC07-1148R	RR	5.5		3.0	46	0	1.7	2760	72.8
Pioneer	95Y20	RR	5.2		2.0	40	1	1.7	3045	71.5
USG	75U52R	RR2Y	5.2		2.3	36	0	2.0	2961	71.2
Arkansas	R04-1268RR	RR	5.4		2.7	42	0	1.7	3104	70.6
Progeny	P 5460LL	LL	5.4		2.0	37	0	1.7	3063	70.5
USG	75J62R	RR2/STS	5.6		2.3	49	1	1.3	3014	69.5
RPM	DB5711RR	RR	5.7		2.7	47	0	2.0	2763	69.4
Dyna-Gro	32RY55	RR2Y	5.7		3.0	40	0	1.7	2468	68.7
S.States	SS 5510N R2	RR2Y	5.5		2.0	44	0	1.7	2650	68.6
Asgrow	AG5233	RR2Y/STS	5.2		2.0	36	1	1.7	3082	68.5
USG	75B21R	RR2	5.2		2.3	37	2	2.0	2816	68.1
Armor	AR53-15	RR2Y	5.3		3.7	43	1	1.7	2681	67.6
S.States	SS 5112N R2	RR2Y	5.1		2.3	39	1	2.0	3070	67.6
S.States	SS 5510N R2	RR2Y	5.5		1.7	40	0	2.0	2709	67.4
LSD (P=.10)					0.6	4.5	0.8	0.6	310.5	8.4
CV					17.0	8.1	129.1	26.3	7.4	8.5
Grand Mean					2.6	40.8	0.5	1.6	3108.7	73.2

Table 5h. Continued.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Montague	V03-1144-16	CONV	5.6		3.3	37	0	1.7	4884	66.5
Arkansas	R09-1607RR	RR	5.0		3.0	45	1	1.7	3209	66.3
North Carolina	NCC07-7506	CONV	5.2		4.2	38	0	1.7	3110	65.9
North Carolina	NCC06-579	CONV	5.8		3.3	45	0	1.3	3089	64.8
North Carolina	NCC07-7714	CONV	5.1		3.3	37	0	2.0	3586	62.7
USDA-ARS	JTN-4307	CONV	5.0		3.0	40	0	1.7	3082	62.1
Montague	V03-1144W	CONV	5.6		2.0	29	0	1.0	5282	61.4
Montague	V03-1144-6	CONV	5.6		2.0	32	1	1.7	3987	60.3
Montague	MFS-591	CONV	5.9		2.3	30	0	1.0	5831	47.4
LSD (P=.10)					0.6	4.5	0.8	0.6	310.5	8.4
CV					17.0	8.1	129.1	26.3	7.4	8.5
Grand Mean					2.6	40.8	0.5	1.6	3108.7	73.2

Table 5i. Performance of Double-Crop Maturity Group V Entries at Warsaw, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Univ. of Tenn	TN09-008	CONV	5.1	25-Oct	2.3	30	0	2.0	2715	69.4
Stine	54LD00	LL	5.4	30-Oct	1.5	31	0	1.0	2826	67.9
Dyna-Gro	39RY57	RR2Y	5.7	29-Oct	2.6	32	0	1.0	2653	67.1
USG	75Q52R	RR2Y	5.5	31-Oct	1.8	32	0	1.0	2838	66.9
Progeny	P 5460LL	LL	5.4	24-Oct	1.4	32	0	1.0	3154	66.8
Croplan	CR6102N	0	5.5	25-Oct	2.4	33	0	2.0	3476	66.6
USDA-ARS	JTN-5203	CONV	5.3	27-Oct	2.0	31	0	2.0	3314	65.0
Southern Harvest	SH 5212LL	LL	5.2	24-Oct	1.5	31	0	1.0	3221	64.3
S.States	SS 5511N R2	RR2Y	5.5	31-Oct	2.1	33	0	1.0	2583	64.2
Public	Osage	CONV	5.6	26-Oct	1.8	28	0	1.0	3028	63.6
USG	75J62R	RR2/STS	5.6	28-Oct	2.4	37	0	1.0	3133	63.1
Dyna-Gro	32RY55	RR2Y	5.7	30-Oct	2.2	29	0	1.0	2528	62.7
USG	75U52R	RR2Y	5.2	22-Oct	2.3	27	0	1.0	3054	62.6
Progeny	P 5160LL	LL	5.1	24-Oct	1.8	26	0	1.0	3097	62.6
S.States	SS 5312N R2	RR2Y	5.3	26-Oct	2.1	34	1	2.0	2913	62.6
Asgrow	AG5332	RR2Y	5.3	20-Oct	1.7	29	0	1.0	3047	62.5
Progeny	P 5111RY	RR2Y	5.1	22-Oct	2.0	37	0	1.0	2917	62.5
Hubner	H58-10R2	RR2Y	5.8	28-Oct	1.9	28	0	1.0	2518	62.1
Asgrow	AG5632	RR2Y/STS	5.6	30-Oct	1.8	31	0	1.0	3096	61.5
USG	75Z38	RR	5.3	26-Oct	2.1	27	0	1.0	2676	61.4
USG	7553nRS	RR/STS	5.5	30-Oct	2.1	32	0	1.0	3557	61.2
Asgrow	AG5533	RR2Y/STS	5.5	30-Oct	2.4	32	0	1.0	2987	61.2
Public	UA5612	CONV	5.6	23-Oct	3.3	30	0	1.0	3397	61.1
S.States	SS 5510N R2	RR2Y	5.5	24-Oct	1.4	30	0	2.0	2844	60.7
Progeny	P 5610RY	RR2Y	5.6	30-Oct	1.8	27	0	1.0	2566	60.6
Stine	51RD02	RR2Y	5.1	20-Oct	1.9	36	0	1.0	3594	59.9
Progeny	P 5655RY	RR2Y	5.6	29-Oct	1.7	29	0	2.0	2816	59.9
Progeny	P 5210RY	RR2Y	5.2	23-Oct	2.0	28	0	2.0	2911	59.7
S.States	SS 5510N R2	RR2Y	5.5	22-Oct	1.5	29	0	1.0	2899	59.2
S.States	SS 5112N R2	RR2Y	5.1	23-Oct	2.0	29	0	1.0	3267	59.1
Southern Harvest	SH5912LL	LL	5.9	27-Oct	2.4	32	0	2.0	3207	58.9
Pioneer	95M82	RR	5.8	4-Nov	2.3	34	0	1.0	2850	58.4
Armor	AR53-15	RR2Y	5.3	26-Oct	1.9	25	0	2.0	2868	58.2
Public	Ozark	CONV	5.2	27-Oct	2.5	29	0	2.0	3021	57.8
Arkansas	R09-1607RR	RR	5.0	24-Oct	2.2	29	0	1.0	3471	57.3
Southern Harvest	SH 5512LL	LL	5.5	27-Oct	2.2	28	0	1.0	3105	57.3
Montague	V03-1144W	CONV	5.6	22-Oct	2.0	25	0	1.0	5123	57.2
Pioneer	95Y20	RR	5.2	23-Oct	2.1	29	0	1.0	3310	56.6
Arkansas	R04-1268RR	RR	5.4	27-Oct	2.3	31	0	2.0	3548	55.9
USDA-ARS	JTN-4307	CONV	5.0	18-Oct	2.9	29	0	2.0	3567	55.5
Montague	V03-1144-16	CONV	5.6	18-Oct	2.5	25	0	1.0	5142	54.5
Asgrow	AG5233	RR2Y/STS	5.2	21-Oct	1.6	27	0	1.0	3213	54.2
LSD (P=.10)				2.9	0.5	3.2	0.5	0.4	137.6	5.5
CV				3.8	18.0	7.9	303.0	25.3	3.2	6.7
Grand Mean				26-Oct	2.1	30.1	0.1	1.3	3212.1	59.8

Table 5i. Continued.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
RPM	DB5711RR	RR	5.7	2-Nov	2.9	37	0	2.0	2880	54.1
USG	75B21R	RR2	5.2	24-Oct	2.0	27	0	1.0	3105	52.2
Progeny	P 5412RY	RR2Y	5.4	1-Nov	1.8	27	0	1.0	3021	50.4
Montague	V03-1144-6	CONV	5.6	18-Oct	1.9	26	0	1.0	4747	50.4
Stine	6202-4	RR	6.2	9-Nov	2.8	36	1	1.0	2907	46.8
Montague	MFS-591	CONV	5.9	22-Oct	2.9	31	0	1.0	5471	46.8
LSD (P=.10)				2.9	0.5	3.2	0.5	0.4	137.6	5.5
CV				3.8	18.0	7.9	303.0	25.3	3.2	6.7
Grand Mean				26-Oct	2.1	30.1	0.1	1.3	3212.1	59.8

Table 6a. Performance of Double-Crop Maturity Group VI Entries at Blackstone, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Croplan	CR6102N	0	6.1			27	0	1.0	3027	71.9
USG	76S22R	RR2Y	6.2			25	0	1.3	3034	71.3
USG	76S90R	RR2Y	6.9			27	0	1.0	2700	67.6
RPM	DB6012RR	RR2Y	6.0			24	0	1.3	3015	65.1
Stine	6202-4	RR/STS	6.2			25	0	1.0	2557	60.8
Dyna-Gro	36RY68	RR2Y	6.8			29	0	1.0	2663	60.5
LSD (P=.10)					.	2.5	0.3	0.4	160.8	8.8
CV					.	6.4	424.3	26.8	3.8	8.9
Grand Mean					.	26.2	0.1	1.1	2832.5	66.2

Table 6b. Performance of Double-Crop Maturity Group VI Entries at Painter, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Croplan	CR6102N	0	6.1		1.0	34	1	2.0	3488	71.7
Dyna-Gro	36RY68	RR2Y	6.8		1.7	37	2	2.0	3062	66.7
USG	76S22R	RR2Y	6.2		1.0	25	2	1.7	3569	61.9
USG	76S90R	RR2Y	6.9		1.3	32	1	2.0	3015	58.4
RPM	DB6012RR	RR2Y	6.0		1.3	27	2	1.7	3586	58.0
Stine	6202-4	RR/STS	6.2		1.0	27	2	2.0	3110	49.5
LSD (P=.10)					0.6	4.4	2.2	0.5	165.0	11.5
CV					32.3	9.9	93.9	18.5	3.4	12.5
Grand Mean					1.2	30.4	1.6	1.9	3305.0	61.0

Table 6c. Performance of Double-Crop Maturity Group VI Entries at Suffolk, VA, 2012.

Brand	Variety	Herbicide Resistan	Relative Maturi	Maturity Date	Lodging (1-5)	Height (inches	Purple Seed Stain (%)	Seed Quality (1-5	Seed Size (no./l	Yield (bu/acr
Croplan	CR6102N	0	6.1				0	1.0	3558	71.0
Dyna-Gro	36RY68	RR2Y	6.8				0	1.0	2788	69.0
USG	76S22R	RR2Y	6.2				0	1.0	3599	68.2
USG	76S90R	RR2Y	6.9				0	1.0	2764	67.8
RPM	DB6012RR	RR2Y	6.0				0	1.0	3504	65.1
Stine	6202-4	RR/STS	6.2				0	1.3	2926	59.3
LSD (P=.10)							0.0	0.4	185.1	6.7
CV							0.0	22.3	3.9	6.8
Grand Mean							0.0	1.1	3190.0	66.7