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VIRGINIA SOYBEAN PERFORMANCE TESTS 2013

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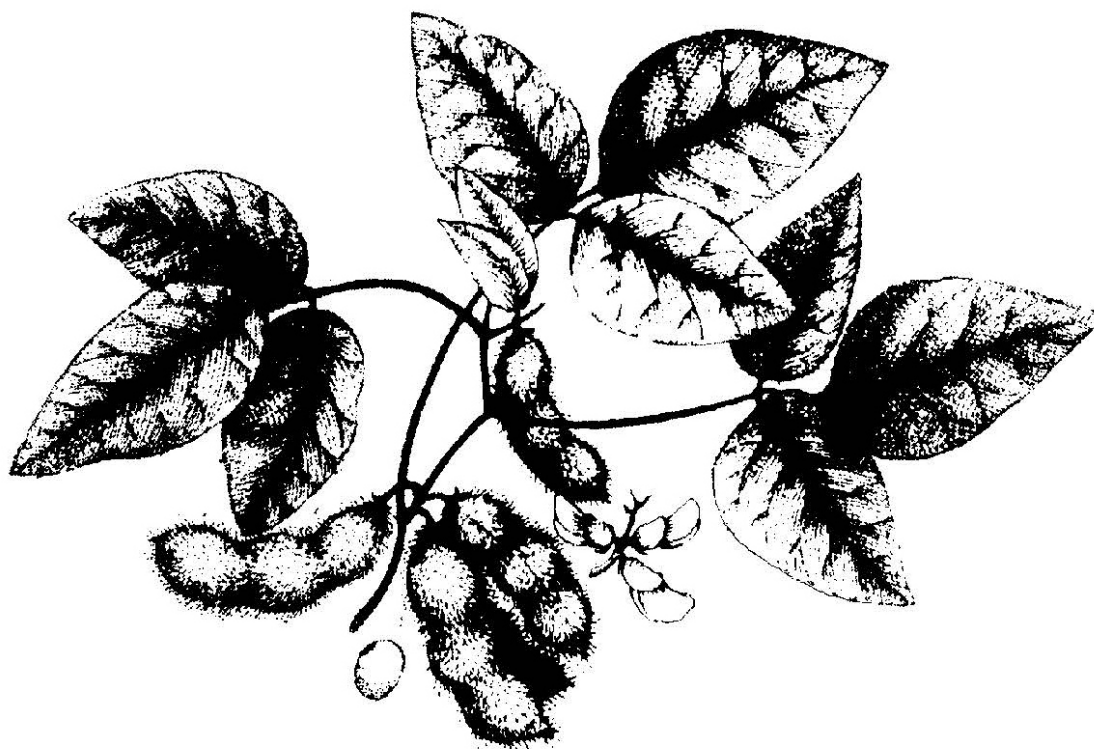
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All County Extension Agents for an excellent job of disseminating this information

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INTRODUCTION

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

MATERIALS AND METHODS

Soybean varieties were entered by commercial seed companies, universities, and crop improvement associations. Performance tests were conducted under full-season (May-planted) and/or double-cropping (June to early-July) systems in the Northern Piedmont (Orange), 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. Fungicide and insecticide seed treatment varied by variety. Seeding rates were the equivalent to 165,000 seed per acre in full-season tests and 225,000 seed per acre in double-crop tests. All tests were maintained weed free with preemergence and/or postemergence herbicides and hand weeding. Insecticides were applied if insect pests approach economic thresholds. Fungicides were applied if disease was present and conditions were favorable for further disease progress. Tests were harvested as near to the date of first harvest maturity as work schedules and weather would permit. Plots were end-trimmed to prevent alley effects. The interior rows of all plots were harvested with a small-plot combine equipped with weigh scales, moisture meter, and on-board computer. A small seed sample was collected from each plot and was used to further evaluate seed characteristics. Data were collected using the following methods:

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

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

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

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

Purple Seed Stain (PSS) is the percentage of seed from a 100-seed sample that are affected with that disease.

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.

Frogeye Leaf Spot was visually rated as percent of leaf area infected in September using the following scale: 1 = 0-12%, 2 = 12-25%; 3 = 25-50%; 4 = 50-75%; 5 = 75-88%; 6 = 88-100%

The experimental design was a randomized complete block 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 were separated into early (RMG 4.0-4.6) and late (RMG 4.7-4.9) experiments and maturity group V varieties were separated into early (RMG 5.0-5.4) and late (RMG 5.5-5.9) experiments. Maturity group VI varieties were tested in the late maturity group V experiments. 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	5/9	No-Till	Dual II Mag Authority Sencor DF Blazer, Select	5/9 7/13	None	Durham coarse sandy loam	15"	5	3	17'
Orange-FS	5/2	No-Till	Authority Select	5/1 6/13	None	Davidson silty clay	15"	5	3	17'
Painter-FS	5/15	Conv.	Dual II Mag TriCor DF	5/16	None	Bojac sandy loam	15"	5	3	17'
Suffolk-FS	5/8	Conv.	Dual II Mag Sonic	5/10	Asana 6/26 Belt + Brigade + Headline 8/16 Priaxor 9/4	Dragston fine sandy loam	15"	5	3	17'
Warsaw-FS	6/16	Conv.	Dual Mag First Rate Raptor	5/7 6/13		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	6/20	No-Till	Dual II Mag Sonic	6/19	None	Davidson clay	15"	5	3	17'
Painter-DC	7/10	No-Till	Dual II Mag Tricor DF Select	7/15 8/12	None	Bojac sandy loam	15"	5	3	17'
Suffolk-DC	6/25	No-Till	Dual II Mag Sonic	6/26	Belt + Brigade + Priaxor 8/21	Emporia fsl Eunola lfs	15"	5	3	17'
Warsaw-DC	7/8	No-Till	Dual II Mag	6/26	None	Kempsville loam	7.5"	5	5	12'

**MONTHLY PRECIPITATION (INCHES) AND AVERAGE RAINFALL
MAY - OCTOBER**

Location		May	June	July	Aug.	Sept.	Oct.	Total
Blackstone	2013	2.01	5.04	12.21	1.38	3.49	2.56	26.69
	63-yr Avg.	3.83	3.91	4.86	3.96	3.80	3.36	23.72
Orange	2013	5.56	6.09	5.94	7.08	2.03	3.25	29.95
	73-yr. Avg.	3.93	3.82	4.34	3.82	3.84	3.52	23.27
Painter	2013	1.65	7.04	3.31	3.92	1.83	3.78	21.53
	73-yr Avg.	3.34	3.78	4.56	4.35	4.35	3.59	23.97
Suffolk	2013	2.96	7.11	3.18	3.72	1.64	1.43	20.04
	79-yr. Avg.	3.92	4.20	5.58	5.77	4.26	3.55	27.28
Warsaw	2013	2.18	7.63	6.21	3.73	1.03	2.99	23.77
	45-yr Avg.	4.08	3.92	4.22	4.49	4.33	3.48	24.52

SUPPLIERS OF SOYBEAN VARIETIES TESTED

SUPPLIER	BRAND	VARIETIES
Armor Seed Hwy 49 PO Box 9 Waldenburg, AR 72475	Armor	4744, 44-RO8, 47-R13, 48-R66, 49-R56, 53-R16, 53R88, 55R22, X1312, X1409, X1410, X1413, X1425, X1426
Asgrow 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow	AG4531, AG4632, AG4633, AG4832, AG4933, AG4934, AG5533, AG5632
Bayer Crop Science 1502 Clarksville Dr. Scotland Neck, NC 27874	HBK	LL4650, LL4653, LL4850, LL4950, LL4953, LL5350, RY4620, RY4721, RY5221, RY5421
Channel 800 N. Lindbergh Blvd. St. Louis, MO 63167	Channel	4206R2, 4407R2/STS, 4500R2/STS, 4806R2/STS, 5307R2/STS, 5805R2
Coastal AgroBusiness PO Box 856 Greenville, NC 27835	Stine	48RD00, 54LD00, 58LC23, 6202-4
Doebler's PA Hybrids Inc. 202 Tiadaghton Avenue Jersey Shore, PA 17740	RPM	DB3513RR, DB3813RR, DB4013RR, DB4512RR, DB5213RR, DB5711RR, DB6012RR
Dupont Pioneer 59 Greif Parkway, Ste 200 Delaware, OH 43015	Pioneer	93Y92, 94Y23, 94Y61, 94Y70, 94Y90, 95Y01, P48T53R, P49T80R

Dyna-Gro 1140 Sweet Road East Aurora, NY 14052	Dyna-Gro	31RY45, 32RY55, 37RY47, 39RY43, 39RY57, S44RS93, S48RS53, S53RY23
Hubner Seed 10280 W State Rd 28 West Lebanon, IN 47991	Hubner	H44-14R2/STS, H46-01R2STS, H48-13R2/STS, H51-13R2, H53-12R2, H58-12R2
Meherrin Ag & Chemical Co 4020 Wake Forest Rd., Suite 110 Raleigh, NC 27609	Southern Harvest	EXP04601, EXP04901, SH 3814 LL, SH 4714 LL, SH 4913 LL, SH 5512 LL, SH 5614LL/STS, SH 5912 LL
Mid-Atlantic Seeds 204 ST. Charles Way 163E York, PA 17402	Mid-Atlantic Seeds	MAS4399RR/STS, MAS4504NRR2/STS, MAS4666NRR, MAS4802RR2
Montague Farms 35212 Tidewater Trail Center Cross, VA 22437	Montague	MFS-561, V05-5973W
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny	P 4211 RY, P 4313 RY, P 4510 RY, P 4560 LL, P 4613 RYS, P 4710 RY, P 4747 RY, P 4819 LL, P 4850 RY, P 4900 RY, P 4928 LL, P 4930 LL, P 5111 RY, P 5160 LL, P 5210 RY, P 5213 RY, P 5333 RY, P 5460 LL, P 5555 RY, P 5610 RY, P 5711 RY, P 5960 LL
Schillinger Genetics 4401 Westown Parkway, Suite 225 West Des Moines, IA 50266	eMerge	389F.YC, E4892S, XC4993
Southern States Coop 6606 W Broad St Richmond, VA 23230	Southern States	LL 423N, LL 473N, LL 513N, LL 563N STS, SS 3801N R2, SS 3813N R2, SS 4312N R2, SS 4700 R2-STs, SS 4913N R2, SS 4917N R2, SS 5213N R2, SS 5511N R2, SS 5513N R2, SS 5711 R2, SS 5911N R2

Syngenta Seeds, Inc. 11 Quicksilver Ct Martinsburg, WV 25404	NK	S39-U2, S41-J6, S43-K1, S46-L2, S48-P4, S56-G6
T.A. Seeds P.O. Box 300 Avis, PA 1772	T.A. Seeds	EX5159, EX5459, EX5559, TS3849R2S
UniSouth Genetics, Inc. 3205C Hwy 46 S Dickson, TN 37055	USG	73P93R, 74A33R, 74A79R, 74A92R, 74B83R, 74D32R, 74F12R, 74G23L, 74H92R, 75J23R, 75J62R, 75Q52R, 76S22R
University of Arkansas 115 Plant Sci Bldg Fayetteville, AR 72701	Public Arkansas	Osage, Ozark, R04-1250RR, R04-1268RR, R05-374, UA 4913C, UA 5213C, UA 5612
U.S. Seeds 2528 Alexander Dr. Jonesboro, AR 72401	Halo	4:40, 5:01, 5:26, 4:94, 4:95, 4:97, 5:45, 5:01-5, X466, X496, X530
USDA-ARS 605 Airways Blvd Jackson, TN 38301	USDA-ARS	JTN-4307, JTN-5110, JTN-5203
Virginia Tech 509 Latham Hall Blacksburg, VA 24061	Virginia	V07-9734, V08-0062, V08-0136, V08-1924
VA State University MT Carter, VSU Petersburg, VA 23806	VSU	VS22-465

Table 1a. Yield summaries of Maturity Group III entries.

Brand	Variety	Herb Resist	Relative Maturity	Full-Season			
				ORG	PTR	WAR	Avg.
USG	73P93R	RR	3.9	74.4	46.1	82.5	67.7
Southern Harvest	SH 3814 LL	LL	3.8	77.3	37.1	83.0	65.8
Pioneer	93Y92	RR	3.9	62.1	38.6	86.7	62.5
NK	S39-U2	RR2Y	3.9	60.7	40.5	84.5	61.9
Southern States	SS 3801N R2	RR2Y	3.8	60.3	39.2	84.5	61.3
T.A. Seeds	TS3849R2S	RR2Y/STS	3.8	50.9	42.9	89.4	61.1
RPM	DB3513RR	RR	3.5	56.9	35.5	89.5	60.6
Southern States	SS 3813N R2	RR2Y	3.8	53.9	43.9	83.8	60.5
eMerge	389F.YC	CONV	3.8	60.6	35.5	80.1	58.7
RPM	DB3813RR	RR	3.8	44.7	39.8	89.0	57.8
LSD (P=.10)				11.5	8.1	5.6	
CV				13.5	14.4	4.7	
Grand Mean				60.2	39.9	85.3	61.8

Table 1b. Yield summaries of Early Maturity Group IV entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop*				FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	PTR	SUF	WAR	Avg	Avg	Yield
DYNA-GRO	31RY45	RR2Y	4.5		78.1	46.5	85.2	81.5	72.8	58.9	70.4	51.0	60.1	67.4	113
NK	S41-J6	RR2Y	4.1							55.3	69.5	48.8	57.9	57.9	108
Armor	44-RO8	RR2Y	4.4		59.5	55.0	76.1	81.2	68.0					68.0	107
DYNA-GRO	39RY43	RR2Y	4.3		65.7	46.9	81.8	80.4	68.7					68.7	107
Channel	4206R2	RR2Y	4.2		64.9	46.0	81.3	83.1	68.8					68.8	107
Asgrow	AG4632	RR2Y/STS	4.6		61.8	51.3	82.9	83.9	70.0	50.7	61.6	50.2	54.2	63.2	106
Progeny	P 4613 RYS	RR2Y/STS	4.6		62.0	44.6	85.2	81.1	68.2	57.2	63.6	47.9	56.2	63.1	105
Halo	4:40	LL	4.2		57.1	45.1	87.0	83.4	68.2					68.2	105
Southern States	SS 4312N R2	RR2Y	4.3		60.6	45.9	77.3	86.6	67.6					67.6	105
Asgrow	AG4633	RR2Y	4.6		70.8	49.5	78.0	79.8	69.5	50.1	62.7	45.2	52.7	62.3	105
Pioneer	94Y23	RR	4.2		53.8	49.5	80.0	84.9	67.1					67.1	104
Progeny	P 4510 RY	RR2Y/STS	4.5		62.0	43.9	78.7	62.1	61.7	56.6	69.4	52.5	59.5	60.7	103
Southern States	LL 423N	LL	4.2		55.7	45.6	82.9	79.8	66.0					66.0	102
Progeny	P 4560 LL	LL	4.5		43.9	55.6	82.3	75.6	64.4	57.7	57.8	48.0	54.5	60.1	101
Progeny	P 4313 RY	RR2Y	4.3		67.2	45.3	76.2	75.1	66.0	59.6	51.3	46.8	52.6	60.2	101
USG	74G23L	LL	4.2		62.0	46.1	87.3	82.8	69.6	53.3	49.7	45.2	49.4	60.9	101
RPM	DB4512RR	RR	4.6		61.4	42.4	79.1	83.8	66.7	54.9	57.8	45.9	52.9	60.8	101
USG	74F12R	RR2Y	4.1		60.2	46.6	76.9	75.0	64.7					64.7	101
USG	74A33R	RR2Y	4.3		62.0	39.8	81.6	78.9	65.6					65.6	101
Mid-Atlantic Seeds	MAS4399RR/STS	RR/STS	4.3							54.0	58.6	48.4	53.7	53.7	101
Asgrow	AG4531	RR2Y/STS	4.5		57.5	44.7	74.8	65.5	60.6	55.6	67.6	48.8	57.3	59.2	100
Progeny	P 4211 RY	RR2Y	4.2		61.8	50.0	76.0	82.0	67.5	58.1	44.2	45.4	49.2	59.6	100
USG	74D32R	RR2Y	4.3		66.3	42.9	73.5	73.8	64.1					64.1	100
NK	S46-L2	RR2Y	4.6							52.8	59.7	47.3	53.3	53.3	100
HBK	RY4620	RR2Y	4.6		63.2	47.8	75.7	65.0	62.9					62.9	99
RPM	DB4013RR	RR	4.0		64.9	43.3	79.2	81.6	67.3	47.5	54.6	46.0	49.4	59.6	99
Hubner	H44-14R2/STS	RR2Y/STS	4.4							57.4	54.4	46.3	52.7	52.7	99
NK	S43-K1	RR2Y	4.3							55.4	58.4	44.4	52.7	52.7	99
Pioneer	94Y61	RR	4.6		56.5	40.1	72.5	81.0	62.5	56.3	54.5	49.7	53.5	58.7	98

Table 1b. Yield summaries of Early Maturity Group IV entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop*				FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	PTR	SUF	WAR	Avg	Avg	Yield
HBK	LL4650	LL27	4.6		42.9	45.6	79.2	85.4	63.3					63.3	97
Mid-Atlantic Seeds	MAS4504NRR2/STS	RR2Y/STS	4.5							49.8	56.9	48.4	51.7	51.7	97
Hubner Seed	H46-01R2/STS	RR2Y/STS	4.6		59.1	42.9	72.1	62.5	59.2	54.1	62.9	47.7	54.9	57.3	97
Channel	4500R2/STS	RR2Y/STS	4.5		59.4	43.8	79.9	63.9	61.8					61.8	96
Mid-Atlantic Seeds	MAS4666NRR	RR	4.6							53.4	53.4	46.8	51.2	51.2	96
Channel	4407R2/STS	RR2Y/STS	4.4		56.5	51.2	66.2	64.1	59.5					59.5	95
DYNA-GRO	S44RS93	RR2Y	4.4		51.1	40.4	73.7	79.5	61.2					61.2	94
Virginia	V07-9734	CONV	4.3		57.5	42.7	71.7	64.6	59.1	43.2	58.9	42.8	48.3	54.5	92
Southern Harvest	EXP04601	LL	4.6		50.3	39.8	69.8	75.5	58.9					58.9	91
Halo	X466	LL	4.6		30.9	42.9	66.0	75.8	53.9	51.9	52.5	43.1	49.2	51.9	87
Hubner Seed	H51-13R2	RR2Y	5.1		47.0	40.9	73.0	60.0	55.2					55.2	86
HBK	LL4653	LL27	4.6		39.3	39.9	63.7	76.3	54.8					54.8	84
LSD (P=.10)					11.7	6.9	9.4	6.7		6.1	10.2	3.9			
CV					14.8	11.2	8.9	6.4		8.1	12.7	6.0			
Grand Mean					58.0	45.4	77.3	76.3	66.0	54.1	58.7	47.2	53.3	60.5	100

Table 1c. Yield summaries of Late Maturity Group IV entries.

Brand	Variety	Herb Resist	Relative Maturity	Full-Season						Double-Crop*					FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	BLK	PTR	SUF	WAR	Avg	Avg	Yield
eMerge	XC4993	CONV	4.9	86.6	70.2	54.7	81.1	85.2	75.6						75.6	114
Pioneer	P48T53R	RR	4.8	85.4	69.3	56.0	70.0	89.7	74.1						74.1	112
Pioneer	P49T80R	RR	4.9	97.1	74.4	53.4	83.8	75.1	76.8	64.4	72.2	83.5	47.7	67.0	72.4	110
Progeny	P 4850 RY	RR2Y/STS	4.8	87.3	69.5	53.8	83.9	77.6	74.4	70.5	73.0	77.5	52.1	68.3	71.7	109
Progeny	P 4930 LL	LL	4.9	80.5	66.1	46.6	72.8	81.0	69.4	63.2	77.3	83.0	54.8	69.6	69.5	105
Halo	X496	LL	4.9	76.4	56.4	49.6	77.5	80.5	68.1	69.0	79.9	79.0	54.2	70.5	69.2	105
Asgrow	AG4933	RR2Y	4.9	83.4	64.8	51.3	73.8	68.1	68.3	69.2	81.2	79.4	50.6	70.1	69.1	105
Channel	4806R2/STS	RR2Y/STS	4.8	81.5	61.6	53.3	80.6	76.1	70.6	58.2	81.3	78.4	49.7	66.9	69.0	105
HBK	LL4953	LL27	4.9	76.4	62.7	43.7	82.3	83.7	69.8						69.8	104
Dyna-Gro	S48RS53	RR2Y	4.8	81.2	56.8	52.4	73.9	78.3	68.5	64.0	81.6	80.1	50.0	68.9	68.7	104
eMerge	E4892S	STS	4.9	84.6	71.7	50.9	60.6	73.6	68.3						68.3	104
Southern Harvest	EXP04901	LL	4.9	70.3	61.4	50.1	78.1	82.0	68.4						68.4	103
Asgrow	AG4934	RR2Y/STS	4.9	83.3	66.6	51.3	66.1	65.6	66.6	68.0	77.2	78.7	52.5	69.1	67.7	103
Armor	48-R66	RR2Y/STS	4.8	84.3	77.8	46.2	65.7	67.3	68.3	59.3	73.9	81.0	54.4	67.2	67.8	103
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8	80.6	56.2	52.3	68.2	79.2	67.3	58.0	75.7	81.0	53.8	67.1	67.2	102
USG	74H92R	RR2Y	4.9	76.9	72.8	52.2	69.7	80.8	70.5	57.7	69.7	73.3	48.1	62.2	66.8	102
Progeny	P 4900 RY	RR2Y	4.9	71.0	84.9	51.8	68.8	67.8	68.9	53.2	73.0	79.9	48.6	63.7	66.6	102
Armor	47-R13	RR2Y/STS	4.8	86.5	50.1	50.6	76.9	82.6	69.3	66.7	73.4	65.3	49.5	63.7	66.8	102
Progeny	P 4747 RY	RR2Y	4.7	86.6	65.7	51.9	67.1	79.6	70.2	57.3	78.8	68.5	46.5	62.8	66.9	102
Armor	49-R56	RR2Y	4.9	88.2	69.2	46.9	70.1	67.9	68.5	62.4	72.3	74.8	48.6	64.5	66.7	101
Halo	5:01	LL	4.9	77.3	53.2	49.8	68.8	74.8	64.8	61.6	75.1	82.5	54.5	68.4	66.4	101
Mid-Atlantic Seeds	MAS4802RR2	RR2Y	4.8							62.8	74.7	74.2	50.4	65.5	65.5	101
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7	76.7	57.7	50.7	73.1	71.7	66.0	61.5	77.9	80.5	46.4	66.6	66.2	100
Pioneer	94Y70	RR	4.7	92.0	59.5	51.5	65.2	77.3	69.1	59.5	75.7	64.4	48.2	62.0	65.9	100
Southern States	SS 4917N R2	RR2Y	4.9	80.7	68.9	46.3	66.9	78.1	68.2	60.1	77.5	71.4	44.1	63.3	66.0	100
Progeny	P 4928 LL	LL	4.9	74.6	59.9	43.4	73.3	74.6	65.2	58.5	80.1	77.8	51.6	67.0	66.0	100
Progeny	P 4710 RY	RR2Y/STS	4.7	74.0	47.3	50.6	80.0	67.8	63.9	61.9	76.0	78.3	53.1	67.3	65.4	100
Stine	49LD02	LL	4.9							60.1	70.5	71.8	54.6	64.3	64.3	99
Progeny	P 4819 LL	LL	4.8	75.1	66.6	50.0	74.1	72.1	67.6	55.7	73.3	74.9	46.3	62.6	65.3	99

Table 1c. Yield summaries of Late Maturity Group IV entries.

Brand	Variety	Herb Resist	Relative Maturity	Full-Season						Double-Crop*					FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	BLK	PTR	SUF	WAR	Avg	Avg	Yield
Univ. of Arkansas	UA 4913C	CONV	4.9	70.9	63.0	44.9	74.0	76.4	65.8						65.8	99
NK	S48-P4	RR2Y/STS	4.8							60.4	83.6	64.4	50.2	64.7	64.7	99
HBK	LL4950	LL27	4.9	72.8	50.4	48.6	71.5	73.2	63.3	62.8	78.8	72.2	54.4	67.1	65.0	99
Pioneer	94Y90	RR	4.9	80.0	52.7	48.6	78.9	73.0	66.6	66.0	73.0	67.3	47.2	63.4	65.2	99
Halo	4:94	LL	4.9	71.3	54.9	46.9	67.3	78.4	63.8	61.2	75.7	75.2	53.1	66.3	64.9	99
HBK	RY4721	RR27	4.7	77.3	43.8	52.3	73.8	76.4	64.7	63.1	77.8	73.9	47.4	65.6	65.1	99
USG	74A92R	RR2Y	4.9	83.8	56.8	54.3	67.2	63.0	65.0	61.4	79.8	74.0	44.4	64.9	65.0	99
Southern States	LL 473N	LL	4.7	71.9	52.3	47.2	80.2	75.9	65.5						65.5	99
Southern Harvest	SH 4913 LL	LL	4.9	74.8	55.4	44.3	70.1	67.2	62.4	65.1	72.5	78.5	53.3	67.4	64.6	98
Hubner	H44-14R2/STS	RR2Y/STS	4.4							52.0	76.8	82.5	47.9	64.8	64.8	98
HBK	LL4850	LL27	4.8	69.5	63.9	46.1	70.4	73.4	64.7						64.7	98
Asgrow	AG4832	RR2Y/STS	4.8	79.6	53.9	48.4	66.0	63.8	62.3	57.0	78.9	75.4	50.2	65.4	63.7	97
Armor	X1409	RR2Y	4.9	75.4	50.7	50.2	68.4	65.9	62.1	56.1	82.0	73.8	49.0	65.2	63.5	96
Dyna-Gro	37RY47	RR2Y	4.7	68.5	67.8	49.1	68.6	59.9	62.8						62.8	96
Halo	4:97	LL/STS	4.9	68.8	56.5	45.2	67.6	69.7	61.6	50.9	78.9	77.4	52.1	64.8	63.0	96
Hubner	H46-01R2/STS	RR2Y/STS	4.6	68.2	69.6	49.0	66.0	55.2	61.6						61.6	94
Armor	4744	RR2Y/STS	4.7	52.5	65.6	44.1	62.9	51.3	55.3	56.4	79.8	74.5	47.6	64.6	59.4	91
USG	74B83R	RR2Y/STS	4.8	76.8	50.8	49.6	66.5	69.2	62.6	57.5	63.4	63.4	52.3	59.2	61.1	93
Southern States	SS 4913N R2	RR2Y	4.9	74.0	52.0	45.0	68.3	68.4	61.5	52.5	75.6	75.9	43.3	61.8	61.7	93
Halo	4:95	LL	4.9	70.7	53.9	44.9	71.3	62.8	60.7	52.7	72.0	75.2	47.2	61.8	61.2	93
Stine	48RD00	RR2Y	4.8	68.6	55.0	45.7	76.4	61.8	61.5	52.9	71.9	66.1	49.5	60.1	60.9	93
USG	74A79R	RR2Y/STS	4.7	61.3	67.3	46.0	58.2	58.2	58.2	51.3	77.2	74.6	47.0	62.5	60.1	92
Southern Harvest	SH 4714 LL	LL/STS	4.7	69.4	59.0	38.4	72.3	65.5	60.9						60.9	92
LSD (P=.10)				10.4	11.3	6.3	9.7	6.6		9.6	9.0	7.5	4.5			
CV				9.9	13.5	9.4	10.0	6.8		11.7	8.7	7.2	6.5			
Grand Mean				77.0	61.3	49.0	71.5	71.9	67.3	59.9	76.1	75.4	49.9	65.3	65.9	100

Table 1d. Yield summaries of Early Maturity Group V entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop*					FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	BLK	PTR	SUF	WAR	Avg	Avg7	Yield
Progeny	P 5213 RY	RR2Y	5.2	77.9	60.0	44	80.2	75.2	67.5	67.2	55.7	68.4	52.9	61.1	64.6	110
Armor	X1413	RR2Y	5.1	78.3	52.8	44.6	78.3	73.3	65.5	67.3	62.4	66.5	54.5	62.7	64.2	110
Pioneer	95Y01	RR	5.1	76.7	66.4	42.4	74.4	73.6	66.7	65.8	59.6	68.6	48.9	60.7	64.0	109
Channel	5307R2/STS	RR2Y/STS	5.3	73.1	59.5	41.5	76.1	70.2	64.1	60.5	62.0	73.6	55.2	62.8	63.5	108
Armor	X1312	RR2Y	5.0	67.4	61.2	45	78.2	75.2	65.4	62.5	61.5	67.0	50.9	60.5	63.2	108
Univ. of Arkansas	R05-374	CONV	5.1	65	54.1	43.3	83.8	72.8	63.8						63.8	107
Asgrow	AG5233	RR2Y/STS	5.2							62.2	63.5	70.6	50.0	61.6	61.6	106
Halo	5:45	LL	5.4	70.2	59.4	43.2	76.5	70.1	63.9	71.8	56.8	63.2	46.9	59.7	62.0	106
Halo	5:01-5	LL	5.0	63.4	48.5	46.1	75	68.2	60.2	61.3	61.8	75.6	55.1	63.5	61.7	106
Asgrow	AG5332	RR2Y	5.3							56.7	63.5	72.2	52.6	61.3	61.3	106
Southern States	LL 513N	LL	5.1	64.2	53.8	38.8	83.6	74.4	63						63.0	105
DYNA-GRO	S53RY23	RR2Y	5.3	71.5	56.5	37.3	80.1	68.6	62.8						62.8	105
Progeny	P 5460 LL	LL	5.4	64.8	49.6	38	80.4	75.4	61.6	57.5	59.3	76.0	51.6	61.1	61.4	104
Progeny	P 5160 LL	LL	5.1	67.9	50.8	36.5	85.8	78.8	64	58.7	55.8	66.6	51.8	58.2	61.4	104
Public	Glenn	CONV	5.5	66.3	47.2	36.7	84.1	77.1	62.3						62.3	103
HBK	LL5350	LL27	5.3	61	62.2	32.3	81.5	74.8	62.4	60.5	55.5	69.0	48.6	58.4	60.6	102
Univ. of Arkansas	R04-1268RR	RR	5.4	59.7	55.7	37.4	85.4	66.6	61						61.0	102
T.A. Seeds	EX5159	RR2Y	5.1	74.9	59.3	32	68.9	68.6	60.7						60.7	102
Progeny	P 5210 RY	RR2Y	5.2	63.9	50.0	43.4	76.3	63.8	59.5	60.6	59.4	65.8	50.2	59.0	59.3	101
RPM	DB5213RR	RR	5.2	68	44.9	44.2	81.1	66.4	60.9	60.1	53.7	63.6	50.9	57.1	59.2	101
Southern States	SS 5213N R2	RR2Y	5.2	58.8	41.5	40	76.8	71.6	57.7	62.6	60.3	75.2	48.6	61.7	59.5	101
Halo	5:26	LL	5.1	60.5	55.7	42.5	78.6	67.6	61	53.1	56.8	61.0	52.1	55.8	58.7	100
USG	75J23R	RR2Y	5.2							56.6	55.8	71.1	48.6	58.0	58.0	100
Armor	53-R16	RR2Y	5.4	57.5	43.1	40.2	71.9	64.2	55.4	64.0	65.3	67.0	51.0	61.8	58.2	99
Progeny	P 5111 RY	RR2Y	5.1	67.3	59.1	35.9	65.8	71.4	59.9	53.2	53.8	61.4	50.9	54.8	57.6	98
Stine	54LD00	LL	5.4	53.8	41.4	43.8	71.9	71.1	56.4	54.6	58.7	66.8	52.9	58.3	57.2	98
Hubner Seed	H51-13R2	RR2Y	5.1							59.9	53.1	61.8	50.5	56.3	56.3	97
Progeny	P 5333 RY	RR2Y	5.3	54.5	48.6	40.1	78.8	64.1	57.2	58.5	56.2	64.9	47.1	56.7	57.0	97
HBK	RY5221	RR2Y	5.2	68	58.9	33.6	68.1	65.9	58.9	56.0	60.1	50.7	47.4	53.6	56.5	96

Table 1d. Yield summaries of Early Maturity Group V entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop*					FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	BLK	PTR	SUF	WAR	Avg	Avg7	Yield
Univ. of Arkansas	UA 5213C	CONV	5.2	62.8	38.3	39.1	76.8	69.8	57.4						57.4	96
VSU	VS22-465	CONV	5.0	55.8	36.0	48	73.2	67.7	56.1						56.1	96
Univ. of Arkansas	Ozark	CONV	5.2	51.3	57.9	37	65.8	69.5	56.3						56.3	96
Armor	53-R88	RR2Y/STS	5.4	57	51.2	34	75.1	66.4	56.7	51.1	59.8	59.2	51.4	55.4	56.1	95
Southern Harvest	SH 5614LL/STS	LL/STS	5.6	56.6	51.7	32.8	71.9	67.8	56.2	51.3	55.0	63.4	53.0	55.7	55.9	95
USDA-ARS	JTN-5203	CONV	5.3	39.6	53.8	34.9	73.4	67.4	53.8	57.0	60.3	66.9	48.7	58.2	55.8	95
T.A. Seeds	EX5459	RR2Y	5.4	54.1	48.3	34.2	75.5	65.4	55.5						55.5	93
Armor	X1410	RR2Y	5.0	67.7	69.0	29.2	63	58.6	57.5	40.8	52.7	56.9	46.9	49.3	53.9	92
Halo	X530	LL/STS	5.3	48.3	44.0	33.9	63.5	60.6	50.1	54.3	58.4	63.4	46.5	55.7	52.5	90
USDA-ARS	JTN-4307	CONV	5.0	65.4	30.6	44.3	64.2	60.6	53	53.3	49.0	53.5	42.4	49.6	51.5	88
Southern States	LL 563N STS	LL/STS	5.6	56.9	43.1	35.8	56.2	66	51.6						51.6	87
HBK	RY5421	RR2Y	5.4	43.8	46.4	36.3	81.2	53.9	52.3	38.2	55.9	58.2	48.0	50.1	51.3	87
LSD (P=.10)				13.0	9.6	7.0	10.1	6.5		8.7	6.0	5.6	4.8			
CV				15.2	13.7	13.2	9.8	6.9		11.0	7.6	6.3	6.9			
Grand Mean				62.5	51.6	39.0	75.2	68.7	60.4	57.9	58.1	65.6	50.2	57.9	58.9	100

Table 1d. Yield summaries of Late Maturity Group V entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop						FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	BLK	ORG*	PTR	SUF	WAR	Avg	Avg	Yield (%)
Dyna-Gro	S56RY84	RR2Y	5.6							69.6		57.5	76.5	51.6	63.8	63.8	114
Progeny	P 5555 RY	RR2Y	5.5	55.8	52.3	38.2	78.3	75.7	60.1	64.0		57.4	83.7	49.9	63.8	61.7	109
Univ. of Arkansas	UA 5612	CONV	5.3	64.4	49.9	42.4	81.3	68.8	61.4							61.4	109
Hubner Seed	H55-13R2	RR2Y	5.5							65.7		55.3	70.7	47.9	59.9	59.9	107
DYNA-GRO	32RY55	RR2Y	5.5	54.0	56.6	41.2	76.0	76.0	60.8	67.5		54.9	65.1	46.8	58.6	59.8	107
Southern States	SS 5511N R2	RR2Y	5.5	50.5	49.5	45.4	77.0	69.1	58.3	65.9		57.8	72.3	46.0	60.5	59.3	106
Channel	5805R2	RR2Y	5.8	60.2	50.6	40.4	75.3	71.5	59.6	61.9		55.7	72.6	47.1	59.3	59.5	106
T.A. Seeds	EX5559	RR2Y	5.5	65.4	50.5	34.5	78.3	71.6	60.1							60.1	106
Southern States	SS 5513N R2	RR2Y	5.5	53.0	49.5	39.5	85.0	71.6	59.7	57.3		54.4	80.6	45.0	59.3	59.5	105
Progeny	P 5610 RY	RR2Y	5.6	59.2	48.9	42.7	80.0	66.8	59.5	64.4		57.8	65.7	43.2	57.8	58.7	105
Asgrow	AG5533	RR2Y/STS	5.5	64.5	42.8	37.8	65.7	67.9	55.7	64.0		60.4	68.4	53.0	61.5	58.3	104
RPM	DB6012RR	RR	6.0	55.6	48.2	40.4	75.0	73.7	58.6							58.6	104
Hubner Seed	H53-12R2	RR2Y	5.3	71.0	43.6	36.6	73.3	69.4	58.8							58.8	104
Southern Harvest	SH 5512 LL	LL	5.5	66.4	51.8	33.9	73.7	69.3	59.0	52.2		58.4	66.1	51.5	57.1	58.1	103
Asgrow	AG5632	RR2Y/STS	5.6	57.2	48.8	35.5	65.0	68.6	55.0	56.2		61.9	73.4	53.7	61.3	57.8	103
Southern States	SS 5711 R2	RR2Y	5.7	49.3	49.3	37.3	83.7	74.2	58.8							58.8	103
Univ. of Arkansas	Osage	CONV	5.6	57.3	43.4	39.7	74.3	78.2	58.6							58.6	103
Armor	55-R22	RR2Y	5.5	48.6	52.2	38.2	83.3	67.2	57.9							57.9	102
NK	S56-G6	RR	5.6							59.4		55.0	76.4	40.6	57.9	57.9	102
Progeny	P 5960 LL	LL	5.9	56.4	55.0	34.6	76.0	76.1	59.6	54.2		50.2	66.4	47.0	54.5	57.3	102
Progeny	P 5711 RY	RR2Y	5.7	56.2	52.5	40.9	73.3	70.0	58.6	55.0		59.5	58.0	45.3	54.5	56.7	102
Armor	X1425	RR2Y	5.9	48.0	45.2	45.4	72.0	72.2	56.6							56.6	101
Univ. of Arkansas	R04-1250RR	RR	5.5	53.9	50.9	39.0	75.0	64.4	56.6							56.6	101
DYNA-GRO	39RY57	RR2Y	5.7	63.9	46.7	34.6	67.7	63.4	55.3	62.2		57.8	64.1	47.8	58.0	56.5	101
USDA-ARS	JTN-5110	CONV	5.5	64.6	52.1	31.7	66.3	66.9	56.3	48.0		58.3	70.4	50.8	56.9	56.6	101
Armor	X1426	RR2Y	6.1	52.7	45.4	40.3	72.0	72.7	56.6							56.6	100
Southern Harvest	SH 5912 LL	LL	5.9	59.8	49.7	31.7	63.3	75.7	56.0	66.2		51.6	64.7	45.2	56.9	56.4	100
USG	76S22R	RR2Y	6.2	44.0	44.0	47.5	72.7	70.8	55.8							55.8	100
USG	75Q52R	RR2Y	5.5							49.7		56.2	77.8	42.3	56.5	56.5	100

Table 1d. Yield summaries of Late Maturity Group V entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop						FS & DC	
				BLK	ORG	PTR	SUF	WAR	Avg	BLK	ORG*	PTR	SUF	WAR	Avg	Avg	Yield (%)
Hubner Seed	H58-12R2	RR2Y	5.8	53.2	40.2	40.4	77.0	71.9	56.5	56.3		57.7	68.4	42.2	56.2	56.4	100
RPM	DB5711RR	RR	5.7	58.3	45.8	36.6	70.7	72.4	56.8	51.9		57.5	59.8	47.9	54.3	55.7	99
Southern States	SS 5911N R2	RR2Y	5.9	52.2	42.0	40.3	72.0	70.7	55.4							55.4	98
Stine	58LC23	LL	5.8	61.1	47.7	36.5	57.3	66.9	53.9	53.4		56.1	61.8	46.0	54.3	54.1	97
USG	75J62R	RR2Y/STS	5.6							48.6		55.1	60.2	48.2	53.0	53.0	95
Stine	6202-4	RR	6.2	55.1	32.3	42.0	62.0	74.6	53.2	50.0		57.7	62.5	43.8	53.5	53.3	95
Virginia	V08-0136	RR	5.6	52.7	32.9	35.9	67.0	71.4	52.0	41.5		49.4	67.5	39.6	49.5	50.9	89
Virginia	V08-0062	RR	5.9	45.3	30.6	32.6	61.3	68.5	47.7	48.7		52.7	58.8	42.6	50.7	49.0	87
Montague	V05-5973W	CONV	5.8	55.6	25.2	37.0	66.0	66.0	50.0	40.8		49.5	54.7	42.9	47.0	48.6	86
Virginia	V08-1924	CONV	5.6	63.1	28.5	36.7	67.3	63.3	51.8	34.1		51.4	51.4	37.7	43.7	48.2	85
Montague	MFS-561	CONV	5.6	57.0	24.3	37.3	63.3	49.7	46.3	39.3		52.7	51.9	45.0	47.2	46.7	83
LSD (P=.10)				11.9	9.6	7.1	11.7	7.3		10.4		5.5	7.0	4.2			
CV				15.4	15.6	13.5	11.9	7.6		13.7		7.3	7.7	6.7			
Grand Mean				56.7	45.1	38.4	72.2	69.9	57.6	55.3		55.7	66.8	46.1	56.3	56.9	101

Table 2a. Performance of Full-Season Maturity Group III Entries at Orange, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Southern Harvest	SH 3814 LL	LL	3.8		2.3	43	0	2.3	2593	77.3
USG	73P93R	RR	3.9		1.8	44	1	2.7	2423	74.4
Pioneer	93Y92	RR	3.9		3.3	48	0	3.0	2836	62.1
NK	S39-U2	RR2Y	3.9		2.7	44	0	3.3	3074	60.7
eMerge	389F.YC	CONV	3.8		3.5	42	1	3.0	2875	60.6
Southern States	SS 3801N R2	RR2Y	3.8		2.3	42	0	3.7	3060	60.3
RPM	DB3513RR	RR	3.5		3.7	41	0	4.0	3266	56.9
Southern States	SS 3813N R2	RR2Y	3.8		3.2	43	1	2.3	2797	53.9
T.A. Seeds	TS3849R2S	RR2Y/STS	3.8		3.0	47	1	3.0	2911	50.9
RPM	DB3813RR	RR	3.8		3.0	45	0	3.3	3312	44.7
LSD (P=.10)					0.8	2.5	1.4	0.9	138	11.5
CV					20.6	4.1	191.7	20.2	3.3	13.5
Grand Mean					2.9	44	0.5	3.1	2915	60.2

Table 2b. Performance of Full-Season Maturity Group III Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
USG	73P93R	RR	3.9		1.0	27	11	2.0	2587	46.1
Southern States	SS 3813N R2	RR2Y	3.8		1.0	27	3	2.0	2857	43.9
T.A. Seeds	TS3849R2S	RR2Y/STS	3.8		1.0	31	4	2.0	2783	42.9
NK	S39-U2	RR2Y	3.9		1.0	27	6	2.3	2785	40.5
RPM	DB3813RR	RR	3.8		1.0	27	9	2.3	2773	39.8
Southern States	SS 3801N R2	RR2Y	3.8		1.0	27	6	2.3	2948	39.2
Pioneer	93Y92	RR	3.9		1.2	31	13	2.0	2243	38.6
Southern Harvest	SH 3814 LL	LL	3.8		1.0	27	4	2.0	2480	37.1
RPM	DB3513RR	RR	3.5		1.0	28	8	2.3	2519	35.5
eMerge	389F.YC	CONV	3.8		1.0	26	9	2.3	2731	35.5
LSD (P=.10)					0.1	3	5.4	0.6	220	8.1
CV					9.0	7.4	52.9	19.1	5.8	14.4
Grand Mean					1.0	28	7.2	2.2	2671	39.9

Table 2c. Performance of Full-Season Maturity Group III Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
RPM	DB3513RR	RR	3.5	16-Sep	1.9	44	2	1.7	2877	89.5
T.A. Seeds	TS3849R2S	RR2Y/STS	3.8	17-Sep	2.5	47	0	1.5	2865	89.4
RPM	DB3813RR	RR	3.8	17-Sep	1.7	43	2	1.6	2939	89.0
Pioneer	93Y92	RR	3.9	20-Sep	2.4	49	5	2.5	2516	86.7
NK	S39-U2	RR2Y	3.9	17-Sep	2.3	44	1	1.6	3024	84.5
Southern States	SS 3801N R2	RR2Y	3.8	18-Sep	2.2	43	2	1.6	2940	84.5
Southern States	SS 3813N R2	RR2Y	3.8	19-Sep	2.2	43	1	1.6	2959	83.8
Southern Harvest	SH 3814 LL	LL	3.8	19-Sep	2.0	41	0	1.3	2877	83.0
USG	73P93R	RR	3.9	19-Sep	1.8	47	2	1.6	2859	82.5
eMerge	389F.YC	CONV	3.8	14-Sep	2.6	38	3	1.6	2730	80.1
LSD (P=.10)				1.9	0.7	3	2.2	0.4	104	5.6
CV				7.9	21.5	4.3	79.7	16.0	2.6	4.7
Grand Mean				17-Sep	2.1	44	1.93	1.7	2859	85.3

Table 3a. Performance of Full-Season Early Maturity Group IV Entries at Orange, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
DYNA-GRO	31RY45	RR2Y	4.5		4.3	50	1	2.0	3242	78.1
Asgrow	AG4633	RR2Y	4.6		4.0	42	1	2.3	2861	70.8
Progeny	P 4313 RY	RR2Y	4.3		3.3	44	1	1.7	2804	67.2
USG	74D32R	RR2Y	4.3		4.7	53	1	2.0	2912	66.3
DYNA-GRO	39RY43	RR2Y	4.3		3.8	45	1	2.0	2895	65.7
Channel	4206R2	RR2Y	4.2		3.3	47	1	2.0	2530	64.9
RPM	DB4013RR	RR	4.0		2.7	48	1	2.7	2856	64.9
HBK	RY4620	RR2Y	4.6		2.5	47	1	2.0	2832	63.2
Progeny	P 4510 RY	RR2Y/STS	4.5		3.3	47	1	2.7	2892	62.0
Progeny	P 4613 RYS	RR2Y/STS	4.6		3.7	48	2	1.7	2866	62.0
USG	74G23L	LL	4.2		4.2	44	1	2.4	3109	62.0
USG	74A33R	RR2Y	4.3		3.3	44	1	1.7	2743	62.0
Asgrow	AG4632	RR2Y/STS	4.6		4.2	51	1	2.0	3018	61.8
Progeny	P 4211 RY	RR2Y	4.2		3.3	47	1	2.0	2788	61.8
RPM	DB4512RR	RR	4.6		3.2	45	1	2.3	2925	61.4
Southern States	SS 4312N R2	RR2Y	4.3		2.8	47	1	2.0	2799	60.6
USG	74F12R	RR2Y	4.1		4.0	48	1	2.7	2877	60.2
Armor	44-RO8	RR2Y	4.4		3.3	47	1	2.0	2808	59.5
Channel	4500R2/STS	RR2Y/STS	4.5		3.3	46	1	2.3	2822	59.4
Hubner Seed	H46-01R2STS	RR2Y/STS	4.6		3.3	47	1	2.0	2618	59.1
Asgrow	AG4531	RR2Y/STS	4.5		2.5	44	1	2.0	3031	57.5
Virginia	V07-9734	CONV	4.3		3.7	49	1	1.7	2760	57.5
Halo	4:40	LL27	4.2		4.2	43	1	1.7	2890	57.1
Channel	4407R2/STS	RR2Y/STS	4.4		2.8	50	1	2.0	2761	56.5
Pioneer	94Y61	RR	4.6		4.2	49	1	2.0	3026	56.5
Southern States	LL 423N	LL	4.2		3.7	44	1	2.0	2938	55.7
Pioneer	94Y23	RR	4.2		2.5	44	1	2.0	2770	53.8
DYNA-GRO	S44RS93	RR2Y	4.4		3.0	49	1	3.3	3157	51.1
Southern Harvest	EXP04601	LL	4.6		4.0	50	1	1.7	3171	50.3
Hubner Seed	H51-13R2	RR2Y	5.1		3.7	49	1	2.0	3190	47.0
Progeny	P 4560 LL	LL	4.5		4.2	43	1	3.0	3197	43.9
HBK	LL4650	LL	4.6		3.3	44	1	3.0	3257	42.9
HBK	LL4653	LL	4.6		4.3	43	1	3.0	3316	39.3
Halo	X466	LL27	4.6		3.2	44	1	2.7	3070	30.9
LSD (P=.10)					1.0	6	0.9	0.7	328	11.7
CV					20.3	8.7	65.1	22.8	8.2	14.8
Grand Mean					3.5	47	1	2.2	2933	58.0

Table 3b. Performance of Full-Season Early Maturity Group IV Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Progeny	P 4560 LL	LL	4.5		1.0	35	2	2.0	2775	55.6
Armor	44-RO8	RR2Y	4.4		1.0	33	5	2.0	2514	55.0
Asgrow	AG4632	RR2Y/STS	4.6		1.0	33	1	2.0	2877	51.3
Channel	4407R2/STS	RR2Y/STS	4.4		1.0	33	4	2.0	2578	51.2
Progeny	P 4211 RY	RR2Y	4.2		1.0	31	4	2.3	2629	50.0
Asgrow	AG4633	RR2Y	4.6		1.0	31	2	2.0	2671	49.5
Pioneer	94Y23	RR	4.2		1.0	32	7	2.7	2529	49.5
HBK	RY4620	RR2Y	4.6		1.0	32	3	1.7	2976	47.8
DYNA-GRO	39RY43	RR2Y	4.3		1.0	27	6	2.7	2525	46.9
USG	74F12R	RR2Y	4.1		1.2	32	3	3.0	2727	46.6
DYNA-GRO	31RY45	RR2Y	4.5		1.0	32	2	2.3	2797	46.5
USG	74G23L	LL	4.2		1.0	30	1	3.0	2835	46.1
Channel	4206R2	RR2Y	4.2		1.0	28	2	2.7	2511	46.0
Southern States	SS 4312N R2	RR2Y	4.3		1.0	33	6	2.0	2561	45.9
HBK	LL4650	LL	4.6		1.2	35	4	2.0	2707	45.6
Southern States	LL 423N	LL	4.2		1.0	29	2	2.7	2836	45.6
Progeny	P 4313 RY	RR2Y	4.3		1.0	28	1	1.7	2654	45.3
Halo	4:40	LL27	4.2		1.0	31	1	2.7	2801	45.1
Asgrow	AG4531	RR2Y/STS	4.5		1.0	31	3	1.3	3025	44.7
Progeny	P 4613 RYS	RR2Y/STS	4.6		1.0	30	5	2.0	2769	44.6
Progeny	P 4510 RY	RR2Y/STS	4.5		1.2	32	1	2.0	3008	43.9
Channel	4500R2/STS	RR2Y/STS	4.5		1.0	29	2	1.7	2971	43.8
RPM	DB4013RR	RR	4.0		1.0	30	1	2.7	2669	43.3
Halo	X466	LL27	4.6		1.0	30	1	2.0	2788	42.9
Hubner Seed	H46-01R2STS	RR2Y/STS	4.6		1.0	29	2	1.7	2879	42.9
USG	74D32R	RR2Y	4.3		1.0	30	3	2.0	2749	42.9
Virginia	V07-9734	CONV	4.3		1.2	37	0	1.7	2778	42.7
RPM	DB4512RR	RR	4.6		1.0	31	8	2.0	2810	42.4
Hubner Seed	H51-13R2	RR2Y	5.1		1.0	30	3	2.3	2588	40.9
DYNA-GRO	S44RS93	RR2Y	4.4		1.0	26	3	2.0	2786	40.4
Pioneer	94Y61	RR	4.6		1.0	30	3	1.3	3098	40.1
HBK	LL4653	LL	4.6		1.0	29	2	1.7	3015	39.9
Southern Harvest	EXP04601	LL	4.6		1.0	27	2	1.7	2774	39.8
USG	74A33R	RR2Y	4.3		1.0	26	2	2.0	2822	39.8
LSD (P=.10)					0.1	5	2.5	0.6	172	6.9
CV					9.8	10.7	65.9	20.0	4.6	11.2
Grand Mean					1.0	31	2.82	2.1	2766	45.4

Table 3c. Performance of Full-Season Early Maturity Group IV Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
USG	74G23L	LL	4.2	22-Sep	1.0	38	1	1.0	2798	87.3
Halo	4:40	LL27	4.2	21-Sep	1.2	36	0	1.0	2998	87.0
DYNA-GRO	31RY45	RR2Y	4.5	20-Sep	1.2	39	0	1.0	2859	85.2
Progeny	P 4613 RYS	RR2Y/STS	4.6	23-Sep	1.5	43	1	1.0	2964	85.2
Asgrow	AG4632	RR2Y/STS	4.6	23-Sep	1.0	40	0	1.0	3095	82.9
Southern States	LL 423N	LL	4.2	22-Sep	1.2	37	0	1.0	2903	82.9
Progeny	P 4560 LL	LL	4.5	19-Sep	1.2	44	2	1.0	2685	82.3
DYNA-GRO	39RY43	RR2Y	4.3	22-Sep	1.2	36	1	1.0	2808	81.8
USG	74A33R	RR2Y	4.3	23-Sep	1.2	36	0	1.0	2881	81.6
Channel	4206R2	RR2Y	4.2	20-Sep	1.0	38	0	1.7	2588	81.3
Pioneer	94Y23	RR	4.2	17-Sep	1.0	36	2	1.7	2786	80.0
Channel	4500R2/STS	RR2Y/STS	4.5	22-Sep	1.0	40	0	1.0	2773	79.9
HBK	LL4650	LL	4.6	17-Sep	1.2	43	1	1.0	2773	79.2
RPM	DB4013RR	RR	4.0	18-Sep	1.2	38	0	1.3	3075	79.2
RPM	DB4512RR	RR	4.6	17-Sep	1.2	37	3	1.3	3062	79.1
Progeny	P 4510 RY	RR2Y/STS	4.5	23-Sep	1.2	40	0	1.0	2859	78.7
Asgrow	AG4633	RR2Y	4.6	21-Sep	1.2	36	1	1.0	2798	78.0
Southern States	SS 4312N R2	RR2Y	4.3	20-Sep	1.2	39	1	1.0	2861	77.3
USG	74F12R	RR2Y	4.1	12-Sep	1.5	42	1	1.3	2847	76.9
Progeny	P 4313 RY	RR2Y	4.3	23-Sep	1.2	36	0	1.0	2999	76.2
Armor	44-RO8	RR2Y	4.4	19-Sep	1.0	40	0	1.0	3009	76.1
Progeny	P 4211 RY	RR2Y	4.2	18-Sep	1.0	36	1	1.0	2895	76.0
HBK	RY4620	RR2Y	4.6	21-Sep	1.0	38	1	1.0	2883	75.7
Asgrow	AG4531	RR2Y/STS	4.5	21-Sep	1.0	38	1	1.0	2850	74.8
DYNA-GRO	S44RS93	RR2Y	4.4	16-Sep	1.0	34	0	1.3	2979	73.7
USG	74D32R	RR2Y	4.3	15-Sep	1.3	40	0	1.3	2904	73.5
Hubner Seed	H51-13R2	RR2Y	5.1	19-Sep	1.2	38	1	1.3	2710	73.0
Pioneer	94Y61	RR	4.6	19-Sep	1.0	38	0	1.3	3207	72.5
Hubner Seed	H46-01R2STS	RR2Y/STS	4.6	20-Sep	1.0	38	0	1.3	2869	72.1
Virginia	V07-9734	CONV	4.3	12-Sep	1.2	41	0	1.3	2918	71.7
Southern Harvest	EXP04601	LL	4.6	23-Sep	1.0	37	0	1.0	3417	69.8
Channel	4407R2/STS	RR2Y/STS	4.4	19-Sep	1.0	42	0	1.0	2706	66.2
Halo	X466	LL27	4.6	22-Sep	1.0	39	0	1.0	3363	66.0
HBK	LL4653	LL	4.6	23-Sep	1.0	34	1	1.0	3659	63.7
LSD (P=.10)				2.4	0.3	3	1.2	0.5	147	9.4
CV				8.9	18.1	6.2	142.6	29.3	3.7	8.9
Grand Mean				20-Sep	1.1	38	0.6	1.1	2935	77.3

Table 3d. Performance of Full-Season Early Maturity Group IV Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed		Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)				
Southern States	SS 4312N R2	RR2Y	4.3	23-Sep	2.1	47	2		1.7	2677	86.6
HBK	LL4650	LL	4.6	26-Sep	4.0	46	3		1.9	2619	85.4
Pioneer	94Y23	RR	4.2	23-Sep	1.7	49	4		1.9	2831	84.9
Asgrow	AG4632	RR2Y/STS	4.6	25-Sep	3.1	48	1		1.9	3125	83.9
RPM	DB4512RR	RR	4.6	24-Sep	1.9	49	3		2.2	2987	83.8
Halo	4:40	LL27	4.2	22-Sep	2.8	46	2		1.6	3022	83.4
Channel	4206R2	RR2Y	4.2	23-Sep	2.2	46	1		1.7	2814	83.1
USG	74G23L	LL	4.2	24-Sep	2.5	46	1		1.5	2942	82.8
Progeny	P 4211 RY	RR2Y	4.2	22-Sep	2.2	47	2		1.7	2739	82.0
RPM	DB4013RR	RR	4.0	21-Sep	2.1	49	0		1.6	2976	81.6
DYNA-GRO	31RY45	RR2Y	4.5	26-Sep	3.5	46	2		1.9	2871	81.5
Armor	44-RO8	RR2Y	4.4	21-Sep	2.1	46	1		1.6	2806	81.2
Progeny	P 4613 RYS	RR2Y/STS	4.6	26-Sep	3.3	51	3		1.7	2927	81.1
Pioneer	94Y61	RR	4.6	25-Sep	2.2	48	1		1.6	2902	81.0
DYNA-GRO	39RY43	RR2Y	4.3	22-Sep	2.2	46	0		1.6	2836	80.4
Asgrow	AG4633	RR2Y	4.6	24-Sep	2.3	47	0		1.6	3046	79.8
Southern States	LL 423N	LL	4.2	23-Sep	2.8	46	0		1.5	3052	79.8
DYNA-GRO	S44RS93	RR2Y	4.4	21-Sep	1.8	41	1		1.5	3012	79.5
USG	74A33R	RR2Y	4.3	25-Sep	2.7	46	1		1.5	2866	78.9
HBK	LL4653	LL	4.6	25-Sep	1.8	46	1		1.7	2936	76.3
Halo	X466	LL27	4.6	21-Sep	2.0	46	1		1.5	2967	75.8
Progeny	P 4560 LL	LL	4.5	22-Sep	3.1	46	3		1.9	2615	75.6
Southern Harvest	EXP04601	LL	4.6	23-Sep	2.0	47	0		1.5	2970	75.5
Progeny	P 4313 RY	RR2Y	4.3	24-Sep	2.6	43	0		1.5	2972	75.1
USG	74F12R	RR2Y	4.1	22-Sep	3.7	48	1		1.7	2772	75.0
USG	74D32R	RR2Y	4.3	23-Sep	3.9	46	1		1.6	3066	73.8
Asgrow	AG4531	RR2Y/STS	4.5	23-Sep	2.1	48	1		1.5	3203	65.5
HBK	RY4620	RR2Y	4.6	21-Sep	2.1	46	0		1.6	3196	65.0
Virginia	V07-9734	CONV	4.3	23-Sep	4.3	48	0		1.5	2938	64.6
Channel	4407R2/STS	RR2Y/STS	4.4	25-Sep	2.3	46	2		1.8	2783	64.1
Channel	4500R2/STS	RR2Y/STS	4.5	23-Sep	2.0	46	0		1.6	3071	63.9
Hubner Seed	H46-01R2STS	RR2Y/STS	4.6	22-Sep	2.0	48	0		1.5	3266	62.5
Progeny	P 4510 RY	RR2Y/STS	4.5	22-Sep	2.3	46	0		1.6	3167	62.1
Hubner Seed	H51-13R2	RR2Y	5.1	24-Sep	2.6	47	1		1.8	2853	60.0
LSD (P=.10)				2.2	0.5	2	2		0.3	182	6.7
CV				7.0	15.5	3.0	131.6		12.3	4.6	6.4
Grand Mean				23-Sep	2.5	47	1.13		1.7	2936	76.3

Table 3f. Performance of Double-Crop Early Maturity Group IV Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Progeny	P 4313 RY	RR2Y	4.3		1.5	25	1	1.0	2856	59.6
Progeny	P 4211 RY	RR2Y	4.2		1.5	25	2	1.7	2861	58.1
Hubner	H44-14R2/STS	RR2Y/STS	4.4		1.5	29	3	1.3	3075	57.4
Progeny	P 4613 RYS	RR2Y/STS	4.6		1.7	29	0	1.0	2940	57.2
Progeny	P 4510 RY	RR2Y/STS	4.5		1.5	27	1	1.0	2761	56.9
Pioneer	94Y61	RR	4.6		1.5	26	0	1.0	3158	56.3
Asgrow	AG4531	RR2Y/STS	4.5		1.5	26	1	1.3	2973	55.6
NK	S43-K1	RR2Y	4.3		1.5	26	3	1.7	2802	55.4
NK	S41-J6	RR2Y	4.1		1.8	28	2	2.0	3165	55.3
Dyna-Gro	31RY45	RR2Y	4.5		1.5	27	1	1.7	3090	55.2
Progeny	P 4560 LL	LL	4.5		1.7	28	1	1.3	3018	55.1
RPM	DB4512RR	RR	4.6		1.5	28	3	1.0	2966	54.9
Hubner	H46-01R2/STS	RR2Y/STS	4.6		1.5	25	1	1.3	2846	54.1
Mid-Atlantic Seeds	MAS4666NRR	RR	4.6		1.5	28	0	1.0	3194	53.4
NK	S46-L2	RR2Y	4.6		1.8	25	1	1.3	3114	52.8
Mid-Atlantic Seeds	MAS4399RR/STS	RR/STS	4.3		1.7	26	2	1.7	3508	50.9
Asgrow	AG4632	RR2Y/STS	4.6		1.7	27	1	1.3	3123	50.7
USG	74G23L	LL	4.2		1.7	25	2	1.7	2824	50.7
Asgrow	AG4633	RR2Y	4.6		1.5	28	2	1.0	3087	50.1
Halo	X466	LL	4.6		1.7	26	1	2.0	3218	49.3
RPM	DB4013RR	RR	4.0		1.5	25	1	1.3	2992	47.5
Mid-Atlantic Seeds	MAS4504NRR2/STS	RR2Y/STS	4.5		1.5	31	0	1.3	3053	47.4
Virginia	V07-9734	CONV	4.3		2.2	26	1	2.0	3109	43.2
LSD (P=.10)					0.3	3	1.1	0.7	221	6.2
CV					14.3	7.1	66.4	36.8	5.3	8.5
Grand Mean					1.6	27	1.23	1.4	3032	53.4

Table 3g. Performance of Double-Crop Early Maturity Group IV Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Dyna-Gro	31RY45	RR2Y	4.5	21-Oct	1.0	30	9	2.0	2702	70.4
NK	S41-J6	RR2Y	4.1	21-Oct	2.0	32	15	2.7	2758	69.5
Progeny	P 4510 RY	RR2Y/STS	4.5	22-Oct	1.2	30	5	1.3	2530	69.4
Asgrow	AG4531	RR2Y/STS	4.5	22-Oct	1.2	29	11	2.3	2573	67.6
Progeny	P 4613 RYS	RR2Y/STS	4.6	23-Oct	1.7	32	8	2.0	2653	63.6
Hubner	H46-01R2/STS	RR2Y/STS	4.6	23-Oct	1.2	28	10	1.7	2516	62.9
Asgrow	AG4633	RR2Y	4.6	21-Oct	1.0	28	13	2.0	2669	62.7
Asgrow	AG4632	RR2Y/STS	4.6	21-Oct	1.3	29	11	2.7	2783	61.6
NK	S46-L2	RR2Y	4.6	21-Oct	1.0	30	9	2.0	2696	59.7
Virginia	V07-9734	CONV	4.3	20-Oct	1.7	28	6	2.0	2666	58.9
Mid-Atlantic Seeds	MAS4399RR/STS	RR/STS	4.3	18-Oct	1.2	28	15	2.3	2733	58.6
NK	S43-K1	RR2Y	4.3	21-Oct	1.2	24	10	2.3	2649	58.4
Progeny	P 4560 LL	LL	4.5	20-Oct	1.2	30	9	2.3	2644	57.8
RPM	DB4512RR	RR	4.6	20-Oct	1.2	30	15	2.0	2752	57.8
Mid-Atlantic Seeds	MAS4504NRR2/STS	RR2Y/STS	4.5	26-Oct	1.5	32	8	2.0	2650	56.9
RPM	DB4013RR	RR	4.0	18-Oct	1.2	28	2	2.0	2824	54.6
Pioneer	94Y61	RR	4.6	18-Oct	1.3	32	5	2.7	2986	54.5
Hubner	H44-14R2/STS	RR2Y/STS	4.4	22-Oct	1.0	28	18	2.0	2585	54.4
Mid-Atlantic Seeds	MAS4666NRR	RR	4.6	28-Oct	1.3	30	7	2.0	2634	53.4
Halo	X466	LL	4.6	22-Oct	1.0	29	13	2.3	3087	52.5
Progeny	P 4313 RY	RR2Y	4.3	21-Oct	1.0	23	8	2.0	2700	51.3
USG	74G23L	LL	4.2	20-Oct	1.0	25	11	2.7	2592	49.7
Progeny	P 4211 RY	RR2Y	4.2	22-Oct	1.0	25	12	2.7	2707	44.2
LSD (P=.10)				4.8	0.4	5	7.1	0.6	110	10.2
CV				6.8	21.4	12.1	51.8	20.7	3.0	12.7
Grand Mean				22-Oct	1.2	29	9.97	2.2	2700	58.7

Table 3h. Performance of Double-Crop Early Maturity Group IV Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)
Progeny	P 4510 RY	RR2Y/STS	4.5	20-Oct	1.2	30	4	1.6	3022	52.5
Dyna-Gro	31RY45	RR2Y	4.5	18-Oct	1.2	31	5	1.9	3180	51.0
Asgrow	AG4632	RR2Y/STS	4.6	19-Oct	1.2	32	4	1.8	3180	50.2
Pioneer	94Y61	RR	4.6	22-Oct	1.2	29	3	1.8	3305	49.7
Asgrow	AG4531	RR2Y/STS	4.5	19-Oct	1.2	29	3	1.8	3082	48.8
NK	S41-J6	RR2Y	4.1	17-Oct	1.4	30	5	1.9	3232	48.8
Mid-Atlantic Seeds	MAS4399RR/STS	RR/STS	4.3	18-Oct	1.2	31	1	1.5	3500	48.4
Mid-Atlantic Seeds	MAS4504NRR2/STS	RR2Y/STS	4.5	20-Oct	1.1	33	4	1.8	3054	48.4
Progeny	P 4560 LL	LL	4.5	20-Oct	1.3	31	7	2.3	2972	48.0
Progeny	P 4613 RYS	RR2Y/STS	4.6	19-Oct	1.2	31	3	1.8	3065	47.9
Hubner	H46-01R2/STS	RR2Y/STS	4.6	19-Oct	1.2	28	3	1.6	2891	47.7
NK	S46-L2	RR2Y	4.6	19-Oct	1.2	28	3	1.9	3051	47.3
Progeny	P 4313 RY	RR2Y	4.3	19-Oct	1.1	28	7	2.3	3214	46.8
Mid-Atlantic Seeds	MAS4666NRR	RR	4.6	18-Oct	1.2	31	1	1.5	3228	46.8
Hubner	H44-14R2/STS	RR2Y/STS	4.4	21-Oct	1.1	29	8	2.3	2802	46.3
RPM	DB4013RR	RR	4.0	17-Oct	1.2	27	4	1.6	3218	46.0
RPM	DB4512RR	RR	4.6	19-Oct	1.1	28	10	2.4	3287	45.9
Progeny	P 4211 RY	RR2Y	4.2	18-Oct	1.1	28	9	2.8	3235	45.4
Asgrow	AG4633	RR2Y	4.6	19-Oct	1.1	29	5	1.6	3203	45.2
USG	74G23L	LL	4.2	16-Oct	1.1	28	4	1.7	2965	45.2
NK	S43-K1	RR2Y	4.3	16-Oct	1.1	28	3	2.5	3122	44.4
Halo	X466	LL	4.6	20-Oct	1.1	28	5	1.8	3321	43.1
Virginia	V07-9734	CONV	4.3	15-Oct	1.5	33	3	1.8	3130	42.8
LSD (P=.10)				1.9	0.1	2	3	0.3	128	3.9
CV				2.8	7.5	5.4	48.0	9.9	3.0	6.0
Grand Mean				18-Oct	1.2	30	4.54	1.9	3142	47.2

Table 4a. Performance of Full-Season Late Maturity Group IV Entries at Blackstone, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
							Stain (%)	Quality (1-5)			
Pioneer	P49T80R	RR	4.9		3.2	49	1	1.0	2780	97.1	1.3
Pioneer	94Y70	RR	4.7		2.2	47	1	1.5	3080	92.0	1.3
Armor	49-R56	RR2Y	4.9		1.8	42	0	2.0	2625	88.2	2.7
Progeny	P 4850 RY	RR2Y/STS	4.8		2.2	49	2	1.0	2828	87.3	1.7
eMerge	XC4993	CONV	4.9		3.2	47	5	1.0	2653	86.6	1.3
Progeny	P 4747 RY	RR2Y	4.7		2.8	49	0	1.0	2817	86.6	2.7
Armor	47-R13	RR2Y/STS	4.8		2.2	50	1	2.0	2908	86.5	2.3
Pioneer	P48T53R	RR	4.8		2.2	45	1	1.5	3033	85.4	1.0
eMerge	E4892S	STS	4.9		3.0	44	0	1.5	2838	84.6	2.7
Armor	48-R66	RR2Y/STS	4.8		2.7	41	0	1.5	3173	84.3	2.3
USG	74A92R	RR2Y	4.9		2.7	53	0	1.5	2853	83.8	2.3
Asgrow	AG4933	RR2Y	4.9		2.3	52	1	1.0	3037	83.4	2.3
Asgrow	AG4934	RR2Y/STS	4.9		2.2	51	0	1.5	3024	83.3	3.3
Channel	4806R2/STS	RR2Y/STS	4.8		2.2	50	0	1.0	2890	81.5	2.3
Dyna-Gro	S48RS53	RR2Y	4.8		2.5	53	2	2.0	2827	81.2	2.3
Southern States	SS 4917N R2	RR2Y	4.9		2.7	48	1	2.0	2662	80.7	2.0
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8		2.5	51	1	1.5	2935	80.6	2.0
Progeny	P 4930 LL	LL	4.9		2.0	51	0	1.0	3118	80.5	0.7
Pioneer	94Y90	RR	4.9		3.5	53	0	1.5	2936	80.0	2.7
Asgrow	AG4832	RR2Y/STS	4.8		2.3	49	2	2.0	2961	79.6	2.7
HBK	RY4721	RR2Y	4.7		3.0	52	0	1.5	3086	77.3	3.3
Halo	5:01	LL	4.9		3.2	55	1	1.5	3196	77.3	0.3
USG	74H92R	RR2Y	4.9		2.8	46	1	1.0	2692	76.9	2.0
USG	74B83R	RR2Y/STS	4.8		3.0	46	0	1.0	2976	76.8	2.7
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7		3.0	49	1	1.0	2957	76.7	2.0
Halo	X496	LL	4.9		2.0	50	1	2.0	3046	76.4	1.0
HBK	LL4953	LL27	4.9		2.5	51	2	2.0	3151	76.4	0.7
Armor	X1409	RR2Y	4.9		2.5	50	0	1.5	3044	75.4	3.0
Progeny	P 4819 LL	LL	4.8		3.0	43	0	1.0	3017	75.1	2.3
Southern Harvest	SH 4913 LL	LL	4.9		3.5	52	2	1.5	3121	74.8	1.0
Progeny	P 4928 LL	LL	4.9		3.3	53	0	1.5	3161	74.6	1.0
Southern States	SS 4913N R2	RR2Y	4.9		2.3	54	0	1.5	3037	74.0	3.3
Progeny	P 4710 RY	RR2Y/STS	4.7		3.2	48	0	1.0	3161	74.0	3.0
HBK	LL4950	LL27	4.9		3.0	50	0	1.5	3065	72.8	0.3
Southern States	LL 473N	LL	4.7		3.7	50	0	1.5	2932	71.9	2.3
Hubner	H46-01R2/STS	RR2Y/STS	4.6		2.5	49	1	1.5	3006	71.8	3.7
Halo	4:94	LL	4.9		3.3	54	2	1.0	3207	71.3	1.3
Progeny	P 4900 RY	RR2Y	4.9		1.8	42	1	1.0	2654	71.0	3.3
Univ. of Arkansas	UA 4913C	CONV	4.9		3.7	41	0	1.5	2593	70.9	2.3
Halo	4:95	LL	4.9		3.7	48	1	1.5	2984	70.7	2.7
Southern Harvest	EXP04901	LL	4.9		2.3	48	0	1.0	3240	70.3	0.7
HBK	LL4850	LL27	4.8		2.7	43	0	1.5	3329	69.5	2.7
Southern Harvest	SH 4714 LL	LL/STS	4.7		3.2	53	1	1.5	3426	69.4	1.0
Halo	4:97	LL/STS	4.9		3.7	53	1	2.0	3241	68.8	2.0
Stine	48RD00	RR2Y	4.8		2.5	45	0	1.5	3118	68.6	4.3
Dyna-Gro	37RY47	RR2Y	4.7		2.5	44	0	1.0	3209	68.5	4.0
Hubner	H44-14R2/STS	RR2Y/STS	4.4		2.3	44	0	1.5	3263	64.6	4.0
USG	74A79R	RR2Y/STS	4.7		1.8	41	0	1.5	3360	61.3	4.3
Armor	4744	RR2Y/STS	4.7		1.8	45	0	2.0	3536	52.5	5.0
LSD (P=.10)					0.8	4	1.3	0.8	250	10.4	0.9
CV					21.1	6.6	161.2	32.8	4.9	9.9	28.4
Grand Mean					2.7	48	0.48	1.4	3016	77.0	2.3

Table 4b. Performance of Full-Season Late Maturity Group IV Entries at Orange, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Progeny	P 4900 RY	RR2Y	4.9		2.5	43	0	2.0	2372	84.9
Armor	48-R66	RR2Y/STS	4.8		2.5	47	0	1.3	2864	77.8
Pioneer	P49T80R	RR	4.9		3.5	50	0	2.0	2813	74.4
Hubner	H46-01R2/STS	RR2Y/STS	4.6		1.9	41	0	2.0	2561	73.2
USG	74H92R	RR2Y	4.9		2.8	43	0	1.0	2483	72.8
eMerge	E4892S	STS	4.9		2.7	44	0	1.5	2692	71.7
eMerge	XC4993	CONV	4.9		3.8	48	1	1.7	2493	70.2
Progeny	P 4850 RY	RR2Y/STS	4.8		3.7	52	0	2.0	3030	69.5
Pioneer	P48T53R	RR	4.8		2.2	41	0	2.0	2861	69.3
Armor	49-R56	RR2Y	4.9		2.2	43	0	2.0	2343	69.2
Southern States	SS 4917N R2	RR2Y	4.9		2.5	51	0	1.3	2518	68.9
Dyna-Gro	37RY47	RR2Y	4.7		3.2	47	0	2.0	2648	67.8
USG	74A79R	RR2Y/STS	4.7		2.8	43	0	2.0	2791	67.3
Progeny	P 4819 LL	LL	4.8		3.7	41	0	1.5	2958	66.6
Asgrow	AG4934	RR2Y/STS	4.9		2.9	52	0	1.0	2857	66.6
Progeny	P 4930 LL	LL	4.9		2.7	47	0	2.0	2881	66.1
Hubner	H44-14R2/STS	RR2Y/STS	4.4		3.2	41	0	2.0	2726	65.9
Progeny	P 4747 RY	RR2Y	4.7		2.5	47	0	2.0	2650	65.7
Armor	4744	RR2Y/STS	4.7		2.8	42	0	2.0	2759	65.6
Asgrow	AG4933	RR2Y	4.9		3.0	54	0	1.7	3031	64.8
HBK	LL4850	LL27	4.8		4.3	47	0	2.0	2812	63.9
Univ. of Arkansas	UA 4913C	CONV	4.9		3.3	43	0	2.0	2568	63.0
HBK	LL4953	LL27	4.9		2.5	47	0	2.0	2762	62.7
Channel	4806R2/STS	RR2Y/STS	4.8		2.7	43	0	1.3	3006	61.6
Southern Harvest	EXP04901	LL	4.9		3.2	50	1	1.7	2676	61.4
Progeny	P 4928 LL	LL	4.9		3.2	49	1	1.0	3017	59.9
Pioneer	94Y70	RR	4.7		3.5	52	0	2.0	2718	59.5
Southern Harvest	SH 4714 LL	LL/STS	4.7		4.2	55	1	1.0	3410	59.0
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7		3.2	48	1	2.0	3090	57.7
Dyna-Gro	S48RS53	RR2Y	4.8		2.7	52	0	1.7	2978	56.8
USG	74A92R	RR2Y	4.9		3.8	51	0	2.0	3085	56.8
Halo	4:97	LL/STS	4.9		4.4	55	1	1.5	3334	56.5
Halo	X496	LL	4.9		3.0	44	0	1.7	2919	56.4
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8		2.4	48	1	2.0	2997	56.2
Southern Harvest	SH 4913 LL	LL	4.9		3.3	50	2	1.7	2878	55.4
Stine	48RD00	RR2Y	4.8		3.7	46	0	1.7	2783	55.0
Halo	4:94	LL	4.9		3.8	53	0	1.7	3100	54.9
Asgrow	AG4832	RR2Y/STS	4.8		3.7	52	0	1.7	2911	53.9
Halo	4:95	LL	4.9		3.4	43	0	2.0	2902	53.9
Halo	5:01	LL	4.9		3.2	55	1	2.0	2985	53.2
Pioneer	94Y90	RR	4.9		3.5	46	0	2.0	2778	52.7
Southern States	LL 473N	LL	4.7		3.9	44	0	1.5	3063	52.3
Southern States	SS 4913N R2	RR2Y	4.9		3.5	54	1	1.0	3243	52.0
USG	74B83R	RR2Y/STS	4.8		2.9	42	0	1.5	2755	50.8
Armor	X1409	RR2Y	4.9		3.7	49	0	1.0	3014	50.7
HBK	LL4950	LL27	4.9		3.5	51	1	1.3	2937	50.4
Armor	47-R13	RR2Y/STS	4.8		3.7	49	0	1.5	3159	50.1
Progeny	P 4710 RY	RR2Y/STS	4.7		4.3	48	0	1.3	3115	47.3
HBK	RY4721	RR2Y	4.7		4.2	50	0	2.0	3386	43.8
LSD (P=.10)					0.8	5	0.7	0.5	242	11.3
CV					18.3	7.6	183.6	21.6	6.2	13.5
Grand Mean					3.2	48	0.27	1.7	2872	61.3

Table 4c. Performance of Full-Season Late Maturity Group IV Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Pioneer	P48T53R	RR	4.8		1.0	38	1	1.7	2938	56.0	0.0
eMerge	XC4993	CONV	4.9		1.0	37	4	1.0	3024	54.7	0.0
USG	74A92R	RR2Y	4.9		1.0	43	1	1.3	3256	54.3	1.7
Progeny	P 4850 RY	RR2Y/STS	4.8		1.0	44	1	1.0	3279	53.8	1.0
Pioneer	P49T80R	RR	4.9		1.7	44	1	1.3	3102	53.4	1.0
Channel	4806R2/STS	RR2Y/STS	4.8		1.2	41	1	1.0	3369	53.3	1.7
Dyna-Gro	S48RS53	RR2Y	4.8		1.0	38	1	1.0	3256	52.4	0.7
HBK	RY4721	RR2Y	4.7		1.3	41	2	1.0	3027	52.3	0.0
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8		1.0	43	1	1.0	3242	52.3	1.3
USG	74H92R	RR2Y	4.9		1.0	40	1	1.0	3096	52.2	1.7
Progeny	P 4747 RY	RR2Y	4.7		1.0	40	1	1.0	3047	51.9	1.7
Progeny	P 4900 RY	RR2Y	4.9		1.0	36	1	1.3	2675	51.8	1.0
Pioneer	94Y70	RR	4.7		1.3	42	3	1.7	2836	51.5	0.3
Asgrow	AG4934	RR2Y/STS	4.9		1.0	39	1	1.0	3280	51.3	2.3
Asgrow	AG4933	RR2Y	4.9		1.0	42	3	1.3	3202	51.3	1.7
eMerge	E4892S	STS	4.9		1.0	35	0	1.0	3108	50.9	0.0
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7		1.0	38	1	1.0	3264	50.7	1.0
Progeny	P 4710 RY	RR2Y/STS	4.7		1.3	40	0	1.0	3451	50.6	0.7
Armor	47-R13	RR2Y/STS	4.8		1.2	39	1	1.0	3272	50.6	1.0
Armor	X1409	RR2Y	4.9		1.0	39	0	1.0	3262	50.2	1.7
Hubner	H44-14R2/STS	RR2Y/STS	4.4		1.0	34	0	1.7	3130	50.2	2.3
Southern Harvest	EXP04901	LL	4.9		1.0	37	0	1.0	3483	50.1	0.0
Progeny	P 4819 LL	LL	4.8		1.0	39	0	1.0	3544	50.0	0.7
Halo	5:01	LL	4.9		1.2	45	0	1.0	3613	49.8	0.7
Halo	X496	LL	4.9		1.0	37	0	1.0	3536	49.6	0.0
USG	74B83R	RR2Y/STS	4.8		1.2	39	2	1.0	3414	49.6	2.0
Dyna-Gro	37RY47	RR2Y	4.7		1.0	36	0	1.7	3017	49.1	2.0
HBK	LL4950	LL27	4.9		1.0	45	1	1.0	3766	48.6	0.3
Pioneer	94Y90	RR	4.9		1.5	49	0	1.0	3154	48.6	1.7
Asgrow	AG4832	RR2Y/STS	4.8		1.2	44	0	1.3	3065	48.4	1.7
Hubner	H46-01R2/STS	RR2Y/STS	4.6		1.0	37	1	1.3	2929	47.7	2.0
Southern States	LL 473N	LL	4.7		1.0	42	1	1.0	3390	47.2	1.7
Armor	49-R56	RR2Y	4.9		1.0	37	1	1.3	2847	46.9	1.3
Halo	4:94	LL	4.9		1.0	41	0	1.0	3809	46.9	0.0
Progeny	P 4930 LL	LL	4.9		1.0	36	0	1.0	3544	46.6	0.3
Southern States	SS 4917N R2	RR2Y	4.9		1.0	39	0	1.3	3154	46.3	1.0
Armor	48-R66	RR2Y/STS	4.8		1.7	41	1	1.0	3390	46.2	2.3
HBK	LL4850	LL27	4.8		1.0	37	0	1.0	3424	46.1	1.3
USG	74A79R	RR2Y/STS	4.7		1.0	37	1	1.3	3259	46.0	2.3
Stine	48RD00	RR2Y	4.8		1.0	35	0	1.0	3204	45.7	1.7
Halo	4:97	LL/STS	4.9		1.0	44	1	1.0	3995	45.2	1.0
Southern States	SS 4913N R2	RR2Y	4.9		1.0	39	0	1.0	3349	45.0	1.3
Univ. of Arkansas	UA 4913C	CONV	4.9		1.0	38	0	1.3	3356	44.9	1.3
Halo	4:95	LL	4.9		1.0	39	1	1.0	3505	44.9	1.7
Southern Harvest	SH 4913 LL	LL	4.9		1.0	41	0	1.0	3846	44.3	0.0
Armor	4744	RR2Y/STS	4.7		1.2	37	1	1.7	3092	44.1	2.3
HBK	LL4953	LL27	4.9		1.0	37	0	1.0	3730	43.7	0.0
Progeny	P 4928 LL	LL	4.9		1.0	37	0	1.0	3600	43.4	0.0
Southern Harvest	SH 4714 LL	LL/STS	4.7		1.0	41	0	1.0	3946	38.4	1.0
CV					15.9	7	118.9	26.5	5	9.4	53.8
LSD (P=.10)					0.2	3.9	1.3	0.4	215.7	6.3	0.8
Grand Mean					1.1	40	0.82	1.1	3308	49.0	1.1

Table 4d. Performance of Full-Season Late Maturity Group IV Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Progeny	P 4850 RY	RR2Y/STS	4.8	1-Oct	1.3	45	0	2.3	2800	83.9	1.0
Pioneer	P49T80R	RR	4.9	1-Oct	1.0	46	1	3.7	2936	83.8	1.0
HBK	LL4953	LL27	4.9	3-Oct	1.2	45	1	3.3	2933	82.3	0.0
eMerge	XC4993	CONV	4.9	4-Oct	1.0	42	3	1.7	2608	81.1	0.0
Channel	4806R2/STS	RR2Y/STS	4.8	1-Oct	1.0	45	0	2.7	2778	80.6	0.7
Southern States	LL 473N	LL	4.7	25-Sep	1.2	41	1	2.0	3202	80.2	2.0
Progeny	P 4710 RY	RR2Y/STS	4.7	28-Sep	1.0	41	0	2.3	2865	80.0	1.0
Pioneer	94Y90	RR	4.9	26-Sep	1.3	46	0	3.0	2979	78.9	2.0
Southern Harvest	EXP04901	LL	4.9	3-Oct	1.0	46	0	3.3	2914	78.1	0.0
Halo	X496	LL	4.9	3-Oct	1.0	46	1	3.0	2922	77.5	0.0
Armor	47-R13	RR2Y/STS	4.8	30-Sep	1.0	41	0	2.3	2784	76.9	1.0
Stine	48RD00	RR2Y	4.8	27-Sep	1.0	39	0	2.0	2696	76.4	2.0
Progeny	P 4819 LL	LL	4.8	27-Sep	1.0	40	1	2.0	3085	74.1	2.0
Univ. of Arkansas	UA 4913C	CONV	4.9	1-Oct	1.0	32	0	3.0	2483	74.0	0.0
Dyna-Gro	S48RS53	RR2Y	4.8	1-Oct	1.2	44	1	2.7	2871	73.9	1.3
Asgrow	AG4933	RR2Y	4.9	1-Oct	1.0	44	0	2.3	2836	73.8	2.0
HBK	RY4721	RR2Y	4.7	29-Sep	1.5	46	1	4.0	2854	73.8	0.0
Progeny	P 4928 LL	LL	4.9	3-Oct	1.0	48	0	2.0	3166	73.3	0.0
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7	28-Sep	1.0	40	1	2.0	2800	73.1	1.0
Progeny	P 4930 LL	LL	4.9	4-Oct	1.0	47	0	3.0	2898	72.8	0.3
Southern Harvest	SH 4714 LL	LL/STS	4.7	2-Oct	1.7	52	0	2.0	3210	72.3	1.3
HBK	LL4950	LL27	4.9	7-Oct	1.3	51	1	3.0	2806	71.5	0.0
Halo	4:95	LL	4.9	27-Sep	1.3	41	0	2.0	3116	71.3	2.0
HBK	LL4850	LL27	4.8	30-Sep	1.0	41	0	1.7	3227	70.4	2.0
Hubner	H44-14R2/STS	RR2Y/STS	4.4	25-Sep	1.0	38	1	3.7	2794	70.1	2.7
Armor	49-R56	RR2Y	4.9	1-Oct	1.0	36	0	2.3	2489	70.1	2.0
Southern Harvest	SH 4913 LL	LL	4.9	4-Oct	1.5	48	0	3.0	2847	70.1	0.0
Pioneer	P48T53R	RR	4.8	20-Sep	1.0	40	1	3.7	2986	70.0	0.0
USG	74H92R	RR2Y	4.9	29-Sep	1.0	40	2	2.0	2665	69.7	0.7
Progeny	P 4900 RY	RR2Y	4.9	2-Oct	1.0	36	1	2.3	2550	68.8	1.3
Halo	5:01	LL	4.9	16-Oct	1.3	50	1	3.0	2779	68.8	0.0
Dyna-Gro	37RY47	RR2Y	4.7	27-Sep	1.0	39	1	3.0	2784	68.6	2.7
Armor	X1409	RR2Y	4.9	1-Oct	1.2	45	1	2.0	3061	68.4	1.7
Southern States	SS 4913N R2	RR2Y	4.9	1-Oct	1.0	45	1	1.7	2929	68.3	2.0
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8	1-Oct	1.0	41	1	2.7	2755	68.2	1.0
Halo	4:97	LL/STS	4.9	2-Oct	2.0	50	0	2.3	3226	67.6	1.0
Halo	4:94	LL	4.9	1-Oct	1.2	50	1	2.0	3086	67.3	0.0
USG	74A92R	RR2Y	4.9	1-Oct	1.0	47	1	2.3	3006	67.2	2.0
Progeny	P 4747 RY	RR2Y	4.7	26-Sep	1.0	41	1	3.7	2818	67.1	1.7
Southern States	SS 4917N R2	RR2Y	4.9	27-Sep	1.0	42	0	2.0	2773	66.9	1.7
USG	74B83R	RR2Y/STS	4.8	1-Oct	1.0	40	1	2.0	2941	66.5	1.7
Asgrow	AG4934	RR2Y/STS	4.9	30-Sep	1.0	43	0	2.0	2927	66.1	2.0
Asgrow	AG4832	RR2Y/STS	4.8	1-Oct	1.3	44	0	3.7	2883	66.0	2.0
Armor	48-R66	RR2Y/STS	4.8	2-Oct	1.0	36	0	1.7	3071	65.7	1.7
Pioneer	94Y70	RR	4.7	20-Sep	1.5	39	0	3.7	2927	65.2	0.0
Armor	4744	RR2Y/STS	4.7	26-Sep	1.0	40	0	4.0	3020	62.9	3.7
Hubner	H46-01R2/STS	RR2Y/STS	4.6	26-Sep	1.0	42	0	3.0	2839	61.9	2.7
eMerge	E4892S	STS	4.9	25-Sep	1.0	39	0	3.3	3171	60.6	0.7
USG	74A79R	RR2Y/STS	4.7	29-Sep	1.0	40	0	2.7	2731	58.2	3.0
LSD (P=.10)				1.9	0.3	3	1.2	0.6	131	9.7	0.6
CV				4.7	16.9	5.8	161.5	17.6	3.3	10.0	34.2
Grand Mean				30-Sep	1.1	43	0.54	2.6	2894	71.5	1.2

Table 4e. Performance of Full-Season Late Maturity Group IV Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Pioneer	P48T53R	RR	4.8	27-Sep	2.8	48	0	2.4	2479	89.7	0.0
eMerge	XC4993	CONV	4.9	5-Oct	3.1	51	8	2.7	2563	85.2	0.3
HBK	LL4953	LL27	4.9	5-Oct	2.6	51	2	2.1	2853	83.7	0.3
Armor	47-R13	RR2Y/STS	4.8	3-Oct	3.3	54	1	1.8	2622	82.6	0.7
Southern Harvest	EXP04901	LL	4.9	4-Oct	2.5	51	2	1.9	3128	82.0	0.0
Progeny	P 4930 LL	LL	4.9	5-Oct	2.8	50	0	1.8	3194	81.0	0.0
USG	74H92R	RR2Y	4.9	1-Oct	2.9	49	4	2.3	2534	80.8	0.7
Halo	X496	LL	4.9	4-Oct	2.7	51	1	1.8	3024	80.5	0.0
Progeny	P 4747 RY	RR2Y	4.7	28-Sep	3.0	47	0	1.9	2592	79.6	0.7
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8	2-Oct	3.7	54	1	2.0	2749	79.2	0.3
Halo	4:94	LL	4.9	5-Oct	3.5	53	1	2.0	3287	78.4	0.0
Dyna-Gro	S48RS53	RR2Y	4.8	2-Oct	3.3	53	2	2.2	2749	78.3	0.3
Southern States	SS 4917N R2	RR2Y	4.9	30-Sep	2.6	50	0	1.9	2548	78.1	0.7
Progeny	P 4850 RY	RR2Y/STS	4.8	2-Oct	3.6	55	0	1.9	2889	77.6	0.7
Pioneer	94Y70	RR	4.7	28-Sep	3.1	53	1	2.6	2520	77.3	0.0
HBK	RY4721	RR2Y	4.7	3-Oct	3.7	54	3	2.5	2548	76.4	0.7
Univ. of Arkansas	UA 4913C	CONV	4.9	4-Oct	3.9	38	0	1.8	2506	76.4	0.3
Channel	4806R2/STS	RR2Y/STS	4.8	2-Oct	3.7	56	2	1.8	3004	76.1	0.3
Southern States	LL 473N	LL	4.7	29-Sep	3.7	49	1	2.2	2871	75.9	1.0
Pioneer	P49T80R	RR	4.9	1-Oct	3.6	58	1	2.2	2835	75.1	0.7
Halo	5:01	LL	4.9	6-Oct	3.1	52	0	1.9	3194	74.8	0.3
Progeny	P 4928 LL	LL	4.9	6-Oct	3.2	53	2	2.0	3172	74.6	0.0
eMerge	E4892S	STS	4.9	1-Oct	3.3	47	1	2.6	2534	73.6	0.3
HBK	LL4850	LL27	4.8	2-Oct	3.3	48	2	2.1	2926	73.4	0.3
HBK	LL4950	LL27	4.9	8-Oct	2.7	58	2	2.0	3150	73.2	0.3
Pioneer	94Y90	RR	4.9	30-Sep	3.1	53	1	2.1	2926	73.0	1.0
Progeny	P 4819 LL	LL	4.8	30-Sep	3.2	47	1	1.9	3044	72.1	1.3
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7	2-Oct	3.3	47	1	1.6	2577	71.7	0.3
Halo	4:97	LL/STS	4.9	5-Oct	3.9	53	0	1.9	3489	69.7	0.3
USG	74B83R	RR2Y/STS	4.8	2-Oct	3.2	49	2	1.7	2800	69.2	0.7
Southern States	SS 4913N R2	RR2Y	4.9	1-Oct	3.0	53	2	1.7	2889	68.4	1.0
Asgrow	AG4933	RR2Y	4.9	2-Oct	3.5	57	0	2.1	3065	68.1	0.3
Armor	49-R56	RR2Y	4.9	27-Sep	2.5	44	0	1.9	2766	67.9	1.3
Progeny	P 4900 RY	RR2Y	4.9	1-Oct	2.9	45	2	1.9	2479	67.8	1.0
Progeny	P 4710 RY	RR2Y/STS	4.7	4-Oct	4.0	47	0	1.7	2926	67.8	0.7
Armor	48-R66	RR2Y/STS	4.8	1-Oct	3.1	47	4	1.6	2637	67.3	1.0
Southern Harvest	SH 4913 LL	LL	4.9	4-Oct	3.3	52	0	1.7	3385	67.2	0.0
Armor	X1409	RR2Y	4.9	2-Oct	3.2	54	0	1.7	2853	65.9	0.7
Asgrow	AG4934	RR2Y/STS	4.9	1-Oct	3.5	52	1	1.7	3107	65.6	1.0
Southern Harvest	SH 4714 LL	LL/STS	4.7	6-Oct	3.9	51	2	2.0	3287	65.5	0.3
Asgrow	AG4832	RR2Y/STS	4.8	1-Oct	3.4	55	2	2.1	2700	63.8	0.3
USG	74A92R	RR2Y	4.9	29-Sep	2.9	53	0	1.8	2965	63.0	1.0
Halo	4:95	LL	4.9	1-Oct	3.4	46	2	2.0	3194	62.8	1.0
Stine	48RD00	RR2Y	4.8	26-Sep	2.9	47	0	1.9	2783	61.8	1.7
Dyna-Gro	37RY47	RR2Y	4.7	25-Sep	2.5	46	0	2.1	2965	59.9	1.3
Hubner	H44-14R2/STS	RR2Y/STS	4.4	25-Sep	3.1	47	2	2.4	2766	58.3	1.0
USG	74A79R	RR2Y/STS	4.7	25-Sep	2.7	48	0	1.9	3044	58.2	1.0
Hubner	H46-01R2/STS	RR2Y/STS	4.6	23-Sep	2.7	45	0	2.2	3065	52.1	2.0
Armor	4744	RR2Y/STS	4.7	23-Sep	2.7	45	0	2.5	3172	51.3	1.7
LSD (P=.10)				2.1	0.4	3	.	0.3	.	6.6	0.7
CV				5.0	9.5	4.7	.	11.6	.	6.8	77.6
Grand Mean				1-Oct	3.2	50	1.2	2.0	2885	71.9	0.6

Table 4f. Performance of Double-Crop Late Maturity Group IV Entries at Blackstone, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Progeny	P 4850 RY	RR2Y/STS	4.8		3.0	49	1	2.7	2998	70.5
Asgrow	AG4933	RR2Y	4.9		2.7	48	2	2.3	2844	69.2
Halo	X496	LL	4.9		1.8	44	3	3.0	3392	69.0
Asgrow	AG4934	RR2Y/STS	4.9		2.5	50	1	2.3	3011	68.0
Armor	47-R13	RR2Y/STS	4.8		2.7	48	0	2.0	2885	66.7
Pioneer	94Y90	RR	4.9		3.3	48	0	3.3	2933	66.0
Southern Harvest	SH 4913 LL	LL	4.9		2.2	46	8	3.0	3362	65.1
Pioneer	P49T80R	RR	4.9		3.2	46	0	2.7	3126	64.4
Dyna-Gro	S48RS53	RR2Y	4.8		2.8	45	0	3.0	3005	64.0
Progeny	P 4930 LL	LL	4.9		2.0	43	5	3.0	3357	63.2
HBK	RY4721	RR2Y	4.7		3.0	48	1	2.3	2966	63.1
Mid-Atlantic Seeds	MAS4802RR2	RR2Y	4.8		2.5	45	0	2.7	3248	62.8
HBK	LL4950	LL27	4.9		2.3	49	9	3.0	3172	62.8
Armor	49-R56	RR2Y	4.9		2.2	41	0	3.0	2663	62.4
Progeny	P 4710 RY	RR2Y/STS	4.7		3.3	45	0	2.0	3058	61.9
Halo	5:01	LL	4.9		2.5	49	9	3.0	3186	61.6
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7		2.8	39	1	2.0	2998	61.5
USG	74A92R	RR2Y	4.9		3.0	44	0	2.3	3102	61.4
Halo	4:94	LL	4.9		2.5	45	4	2.3	3541	61.2
NK	S48-P4	RR2Y/STS	4.8		3.3	46	0	2.7	2849	60.4
Southern States	SS 4917N R2	RR2Y	4.9		2.3	43	2	2.0	2714	60.1
Stine	49LD02	LL	4.9		1.8	43	2	3.0	3304	60.1
Pioneer	94Y70	RR	4.7		3.0	47	1	2.7	2988	59.5
Armor	48-R66	RR2Y/STS	4.8		3.7	42	0	2.3	2989	59.3
Progeny	P 4928 LL	LL	4.9		2.5	47	2	3.0	3583	58.5
Channel	4806R2/STS	RR2Y/STS	4.8		3.2	49	0	2.0	2983	58.2
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8		3.2	50	1	2.3	2991	58.0
USG	74H92R	RR2Y	4.9		3.5	46	0	2.0	2791	57.7
USG	74B83R	RR2Y/STS	4.8		2.7	41	1	2.3	2993	57.5
Progeny	P 4747 RY	RR2Y	4.7		2.7	44	1	3.0	2795	57.3
Asgrow	AG4832	RR2Y/STS	4.8		2.5	47	0	2.7	2885	57.0
Armor	4744	RR2Y/STS	4.7		2.5	39	0	2.0	2958	56.4
Armor	X1409	RR2Y	4.9		2.8	48	0	2.7	3158	56.1
Progeny	P 4819 LL	LL	4.8		2.5	35	0	2.0	3263	55.7
Progeny	P 4900 RY	RR2Y	4.9		2.0	44	1	2.7	2808	53.2
Stine	48RD00	RR2Y	4.8		3.3	41	0	2.3	2929	52.9
Halo	4:95	LL	4.9		2.7	37	0	2.0	3438	52.7
Southern States	SS 4913N R2	RR2Y	4.9		2.5	48	0	2.3	3244	52.5
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4		3.3	38	1	3.0	2684	52.4
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4		2.3	41	0	3.0	2813	51.5
USG	74A79R	RR2Y/STS	4.7		3.7	40	0	2.3	2994	51.3
Halo	4:97	LL/STS	4.9		4.0	46	3	2.7	3378	50.9
LSD (P=.10)					0.8	4	1.6	0.6	191	9.6
CV					20.0	6.9	77.9	17.2	4.6	11.7
Grand Mean					2.8	45	1.47	2.6	3057	59.9

Table 4h. Performance of Double-Crop Late Maturity Group IV Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
NK	S48-P4	RR2Y/STS	4.8		2.7	32	0	1.3	2854	83.6
Armor	X1409	RR2Y	4.9		1.5	32	1	1.0	3026	82.0
Dyna-Gro	S48RS53	RR2Y	4.8		1.3	29	1	1.3	2977	81.6
Channel	4806R2/STS	RR2Y/STS	4.8		1.5	33	1	1.0	3029	81.3
Asgrow	AG4933	RR2Y	4.9		1.5	31	1	1.0	2761	81.2
Progeny	P 4928 LL	LL	4.9		1.8	30	1	1.0	3701	80.1
Halo	X496	LL	4.9		1.3	29	0	1.0	3371	79.9
USG	74A92R	RR2Y	4.9		1.8	32	0	1.0	2980	79.8
Armor	4744	RR2Y/STS	4.7		1.7	29	0	1.7	2756	79.8
Asgrow	AG4832	RR2Y/STS	4.8		1.5	30	0	1.3	2971	78.9
Halo	4:97	LL/STS	4.9		3.2	34	0	1.0	3751	78.9
Progeny	P 4747 RY	RR2Y	4.7		2.0	29	1	1.0	2853	78.8
HBK	LL4950	LL27	4.9		1.5	33	0	1.0	3289	78.8
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7		1.8	27	0	1.3	2839	77.9
HBK	RY4721	RR2Y	4.7		2.0	33	0	1.0	3018	77.8
Southern States	SS 4917N R2	RR2Y	4.9		1.5	28	0	1.0	3035	77.5
Progeny	P 4930 LL	LL	4.9		1.3	28	0	1.0	3411	77.3
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4		1.7	28	1	1.3	2771	77.2
Asgrow	AG4934	RR2Y/STS	4.9		1.7	30	1	1.3	2881	77.2
USG	74A79R	RR2Y/STS	4.7		1.7	28	0	1.3	2756	77.2
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4		1.5	28	2	2.0	2517	76.3
Progeny	P 4710 RY	RR2Y/STS	4.7		1.8	30	1	1.0	2868	76.0
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8		1.7	34	0	1.3	2877	75.7
Pioneer	94Y70	RR	4.7		2.0	30	0	1.0	2918	75.7
Halo	4:94	LL	4.9		2.5	29	0	1.0	3537	75.7
Southern States	SS 4913N R2	RR2Y	4.9		1.3	31	0	1.0	2776	75.6
Halo	5:01	LL	4.9		1.3	32	0	1.0	3359	75.1
Mid-Atlantic Seeds	MAS4802RR2	RR2Y	4.8		1.5	33	1	1.0	2976	74.7
Armor	48-R66	RR2Y/STS	4.8		1.7	32	0	1.3	2680	73.9
Armor	47-R13	RR2Y/STS	4.8		1.7	32	0	1.0	3002	73.4
Progeny	P 4819 LL	LL	4.8		1.5	27	0	1.0	3146	73.3
Progeny	P 4900 RY	RR2Y	4.9		1.7	26	1	1.0	2648	73.0
Progeny	P 4850 RY	RR2Y/STS	4.8		1.5	32	0	1.0	2968	73.0
Pioneer	94Y90	RR	4.9		2.0	31	0	1.0	2869	73.0
Southern Harvest	SH 4913 LL	LL	4.9		1.3	32	0	1.0	3455	72.5
Armor	49-R56	RR2Y	4.9		1.7	28	0	1.0	2686	72.3
Pioneer	P49T80R	RR	4.9		2.3	31	0	1.0	3103	72.2
Halo	4:95	LL	4.9		1.8	27	0	1.0	3047	72.0
Stine	48RD00	RR2Y	4.8		1.7	29	1	1.0	2760	71.9
Stine	49LD02	LL	4.9		1.3	30	0	1.0	3340	70.5
USG	74H92R	RR2Y	4.9		1.7	29	0	1.0	2634	69.7
USG	74B83R	RR2Y/STS	4.8		1.7	27	1	1.0	2816	63.4
LSD (P=.10)					0.4	3	0.9	0.4	249	9.0
CV					16.1	6.7	148.1	29.2	6.1	8.7
Grand Mean					1.7	30	0.44	1.1	3000	76.1

Table 4i. Performance of Double-Crop Late Maturity Group IV Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Stine	49LD02	LL	4.9	2-Nov	1.5	38	1	1.7	2812	84.5
Pioneer	P49T80R	RR	4.9	29-Oct	1.8	39	13	2.3	2854	83.5
Progeny	P 4930 LL	LL	4.9	2-Nov	1.7	37	3	1.3	2790	83.0
Halo	5:01	LL	4.9	2-Nov	1.7	44	2	2.0	2921	82.5
Mid-Atlantic Seeds	MAS4802RR2	RR2Y	4.8	27-Oct	1.7	38	5	2.3	2689	81.0
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8	30-Oct	1.8	37	13	1.7	2576	81.0
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7	26-Oct	1.3	37	6	1.3	2671	80.5
Armor	47-R13	RR2Y/STS	4.8	2-Nov	2.0	39	6	2.0	2612	80.5
Dyna-Gro	S48RS53	RR2Y	4.8	29-Oct	1.8	38	5	1.7	2676	80.1
Progeny	P 4900 RY	RR2Y	4.9	28-Oct	1.7	34	17	2.3	2462	79.9
Asgrow	AG4933	RR2Y	4.9	29-Oct	1.7	38	17	2.0	2549	79.4
Halo	X496	LL	4.9	1-Nov	1.0	36	2	1.3	2958	79.0
Asgrow	AG4934	RR2Y/STS	4.9	30-Oct	1.7	39	6	1.7	2633	78.7
Southern Harvest	SH 4913 LL	LL	4.9	2-Nov	1.7	38	2	1.7	2884	78.5
Channel	4806R2/STS	RR2Y/STS	4.8	30-Oct	1.7	37	9	2.0	2678	78.4
Progeny	P 4710 RY	RR2Y/STS	4.7	26-Oct	1.3	35	5	1.7	2674	78.3
Progeny	P 4928 LL	LL	4.9	30-Oct	1.7	39	0	1.3	2800	77.8
Progeny	P 4850 RY	RR2Y/STS	4.8	30-Oct	1.7	38	3	2.1	2740	77.5
Halo	4:97	LL/STS	4.9	1-Nov	2.2	45	5	1.7	3012	77.4
Southern States	SS 4913N R2	RR2Y	4.9	28-Oct	1.7	36	6	2.0	2830	75.9
Asgrow	AG4832	RR2Y/STS	4.8	29-Oct	1.7	40	9	2.7	2612	75.4
Halo	4:95	LL	4.9	29-Oct	1.3	35	11	2.7	2847	75.2
Halo	4:94	LL	4.9	2-Nov	1.8	41	4	1.7	2860	75.2
Progeny	P 4819 LL	LL	4.8	27-Oct	1.5	37	9	3.0	2921	74.9
Armor	49-R56	RR2Y	4.9	25-Oct	1.5	33	17	2.3	2410	74.8
USG	74A79R	RR2Y/STS	4.7	25-Oct	1.5	36	8	3.0	2511	74.6
Armor	4744	RR2Y/STS	4.7	25-Oct	1.7	35	12	2.7	2592	74.5
NK	S48-P4	RR2Y/STS	4.8	27-Oct	1.7	40	11	3.0	2702	74.2
USG	74A92R	RR2Y	4.9	27-Oct	1.3	36	11	2.0	2795	74.0
HBK	RY4721	RR2Y	4.7	26-Oct	1.5	39	10	2.7	2727	73.9
Armor	X1409	RR2Y	4.9	28-Oct	2.0	39	7	2.0	2824	73.8
USG	74H92R	RR2Y	4.9	25-Oct	1.5	35	15	2.0	2461	73.3
HBK	LL4950	LL27	4.9	2-Nov	1.8	40	1	1.3	2848	72.2
Armor	48-R66	RR2Y/STS	4.8	26-Oct	1.7	34	17	2.0	2728	71.8
Southern States	SS 4917N R2	RR2Y	4.9	25-Oct	1.3	36	17	2.0	2501	71.4
Progeny	P 4747 RY	RR2Y	4.7	25-Oct	1.3	34	17	3.3	2717	68.5
Pioneer	94Y90	RR	4.9	26-Oct	1.7	37	15	3.0	2776	67.3
Stine	48RD00	RR2Y	4.8	25-Oct	1.3	33	14	2.0	2475	66.1
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4	26-Oct	1.2	35	25	4.3	2534	65.3
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4	26-Oct	1.2	33	22	4.0	2575	64.4
Pioneer	94Y70	RR	4.7	25-Oct	1.8	35	8	3.7	2829	64.4
USG	74B83R	RR2Y/STS	4.8	28-Oct	1.5	33	15	2.0	2809	63.4
LSD (P=.10)				2.2	0.4	4	5.3	0.7	108	7.5
CV				2.8	19.7	7.1	40.5	23.7	2.9	7.2
Grand Mean				28-Oct	1.6	37	9.61	2.2	2711	75.4

Table 4j. Performance of Double-Crop Late Maturity Group IV Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)
Progeny	P 4930 LL	LL	4.9	4-Nov	1.3	33	0	1.2	3217	54.8
Stine	49LD02	LL	4.9	4-Nov	1.2	31	0	1.2	3161	54.6
Halo	5:01	LL	4.9	5-Nov	1.4	34	0	1.2	3233	54.5
Armor	48-R66	RR2Y/STS	4.8	24-Oct	1.6	32	3	1.7	3018	54.4
HBK	LL4950	LL27	4.9	5-Nov	1.4	36	0	1.2	3329	54.4
Halo	X496	LL	4.9	4-Nov	1.2	32	0	1.1	3296	54.2
Hubner Seed	H48-13R2/STS	RR2Y/STS	4.8	25-Oct	1.5	37	1	1.6	3102	53.8
Southern Harvest	SH 4913 LL	LL	4.9	3-Nov	1.7	37	1	1.2	3210	53.3
Halo	4:94	LL	4.9	3-Nov	1.2	33	0	1.3	3430	53.1
Progeny	P 4710 RY	RR2Y/STS	4.7	26-Oct	1.3	33	2	1.6	2980	53.1
Asgrow	AG4934	RR2Y/STS	4.9	24-Oct	1.3	36	4	1.8	3018	52.5
USG	74B83R	RR2Y/STS	4.8	25-Oct	1.4	32	4	1.7	2985	52.3
Halo	4:97	LL/STS	4.9	2-Nov	1.6	34	0	1.2	3614	52.1
Progeny	P 4850 RY	RR2Y/STS	4.8	26-Oct	1.3	36	4	1.5	3198	52.1
Progeny	P 4928 LL	LL	4.9	4-Nov	1.4	34	0	1.2	3581	51.6
Asgrow	AG4933	RR2Y	4.9	26-Oct	1.3	35	4	1.5	3290	50.6
Mid-Atlantic Seeds	MAS4802RR2	RR2Y	4.8	25-Oct	1.4	35	3	1.5	3101	50.4
Asgrow	AG4832	RR2Y/STS	4.8	22-Oct	1.3	36	5	1.8	3018	50.2
NK	S48-P4	RR2Y/STS	4.8	24-Oct	1.3	36	4	1.7	3060	50.2
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4	24-Oct	1.2	31	6	2.0	2677	50.1
Dyna-Gro	S48RS53	RR2Y	4.8	26-Oct	1.2	35	2	1.6	3165	50.0
Channel	4806R2/STS	RR2Y/STS	4.8	27-Oct	1.2	34	2	1.6	3172	49.7
Armor	47-R13	RR2Y/STS	4.8	26-Oct	1.2	36	4	1.7	3196	49.5
Stine	48RD00	RR2Y	4.8	21-Oct	1.2	30	5	1.6	2972	49.5
Armor	X1409	RR2Y	4.9	25-Oct	1.5	35	2	1.6	3188	49.0
Armor	49-R56	RR2Y	4.9	22-Oct	1.2	31	3	1.5	2908	48.6
Progeny	P 4900 RY	RR2Y	4.9	22-Oct	1.3	32	3	1.7	2775	48.6
Pioneer	94Y70	RR	4.7	20-Oct	1.3	35	2	1.5	3196	48.2
USG	74H92R	RR2Y	4.9	25-Oct	1.3	31	2	1.5	2818	48.1
Pioneer	P49T80R	RR	4.9	27-Oct	1.3	32	1	1.5	3327	47.7
Armor	4744	RR2Y/STS	4.7	20-Oct	1.2	29	5	1.5	2993	47.6
HBK	RY4721	RR2Y	4.7	24-Oct	1.7	34	4	1.9	3196	47.4
Halo	4:95	LL	4.9	23-Oct	1.5	31	4	1.8	3257	47.2
Pioneer	94Y90	RR	4.9	23-Oct	1.2	33	2	1.4	3076	47.2
USG	74A79R	RR2Y/STS	4.7	23-Oct	1.3	29	4	1.5	2984	47.0
Progeny	P 4747 RY	RR2Y	4.7	23-Oct	1.1	31	8	2.1	2972	46.5
Southern States	SS 4700 R2-STS	RR2Y/STS	4.7	24-Oct	1.1	30	2	1.5	3019	46.4
Progeny	P 4819 LL	LL	4.8	24-Oct	1.4	30	6	1.7	3303	46.3
Hubner Seed	H44-14R2/STS	RR2Y/STS	4.4	23-Oct	1.1	30	8	1.8	2739	45.6
USG	74A92R	RR2Y	4.9	25-Oct	1.1	32	3	1.6	3129	44.4
Southern States	SS 4917N R2	RR2Y	4.9	27-Oct	1.1	29	0	1.5	2823	44.1
Southern States	SS 4913N R2	RR2Y	4.9	26-Oct	1.1	31	3	1.5	3065	43.3
LSD (P=.10)				1.9	0.3	2	2.2	0.2	146	4.5
CV				2.5	15.8	5.2	59.7	8.6	3.4	6.5
Grand Mean				26-Oct	1.3	33	2.73	1.5	3114	49.9

Table 5a. Performance of Full-Season Early Maturity Group V Entries at Blackstone, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Armor	X1413	RR2Y	5.1		2.8	56	1	2.7	2934	78.3	0.3
Progeny	P 5213 RY	RR2Y	5.2		2.7	54	1	2.7	2992	77.9	1.0
Pioneer	95Y01	RR	5.1		4.8	51	0	2.7	2684	76.7	1.3
T.A. Seeds	EX5159	RR2Y	5.1		3.5	55	1	2.3	2897	74.9	2.0
Channel	5307R2/STS	RR2Y/STS	5.3		4.7	56	0	2.7	2830	73.1	1.7
DYNA-GRO	S53RY23	RR2Y	5.3		4.0	48	0	2.3	3137	71.5	0.3
Halo	5:45	LL	5.4		4.3	47	0	3.3	3519	70.2	0.0
HBK	RY5221	RR2Y	5.2		4.7	50	1	3.0	2564	68.0	0.3
RPM	DB5213RR	RR	5.2		3.7	42	0	2.3	3046	68.0	1.0
Progeny	P 5160 LL	LL	5.1		4.2	40	1	2.3	2979	67.9	0.7
Armor	X1410	RR2Y	5.0		5.0	51	0	2.0	3712	67.7	1.0
Armor	X1312	RR2Y	5.0		3.2	46	1	3.0	2772	67.4	0.0
Progeny	P 5111 RY	RR2Y	5.1		4.8	215	0	2.7	3035	67.3	0.0
Public	Glenn	CONV	5.5		4.7	43	0	3.0	2843	66.3	0.7
USDA-ARS	JTN-4307	CONV	5.0		4.3	51	1	2.0	3420	65.4	0.3
Univ. of Arkansas	R05-374	CONV	5.1		5.0	45	0	2.0	2970	65.0	1.0
Progeny	P 5460 LL	LL	5.4		3.5	52	2	2.3	3296	64.8	0.0
Southern States	LL 513N	LL	5.1		2.5	50	1	2.7	3122	64.2	0.0
Progeny	P 5210 RY	RR2Y	5.2		5.0	45	1	2.7	2830	63.9	0.3
Halo	5:01-5	LL	5.0		4.0	51	1	2.0	3116	63.4	0.0
Univ. of Arkansas	UA 5213C	CONV	5.2		5.0	43	0	2.3	3526	62.8	1.0
HBK	LL5350	LL27	5.3		4.0	39	0	2.3	3032	61.0	0.7
Halo	5:26	LL	5.1		3.7	46	1	2.0	3042	60.5	0.3
Univ. of Arkansas	R04-1268RR	RR	5.4		5.0	50	1	2.7	3272	59.7	0.7
Southern States	SS 5213N R2	RR2Y	5.2		4.7	46	0	2.0	3051	58.8	1.0
Armor	53-R16	RR2Y	5.4		5.0	47	0	2.3	3626	57.5	0.7
Armor	53-R88	RR2Y/STS	5.4		4.5	48	0	2.0	3218	57.0	0.7
VSU	VS22-465	CONV	5.0		5.0	46	4	2.0	3109	55.8	0.0
Progeny	P 5333 RY	RR2Y	5.3		5.0	45	2	2.0	3446	54.5	0.7
T.A. Seeds	EX5459	RR2Y	5.4		4.8	45	0	2.0	3182	54.1	1.3
Stine	54LD00	LL	5.4		3.8	53	2	2.3	3498	53.8	0.0
Univ. of Arkansas	Ozark	CONV	5.2		5.0	47	0	3.0	3114	51.3	0.3
Southern States	LL 563N STS	LL/STS	5.6		4.7	54	1	2.0	3019	49.0	1.0
Halo	X530	LL/STS	5.3		4.3	68	0	2.3	3150	48.3	0.3
Southern Harvest	SH 5614LL/STS	LL/STS	5.6		4.3	53	0	2.0	3071	48.2	0.3
HBK	RY5421	RR2Y	5.4		5.0	47	0	2.3	3145	43.8	0.0
USDA-ARS	JTN-5203	CONV	5.3		4.7	48	0	2.7	3354	39.6	0.0
LSD (P=.10)					0.7	63	1.2	0.6	193	13.6	0.9
CV					12.0	85.8	125.7	17.9	4.5	16.0	109.5
Grand Mean					4.3	53	0.69	2.4	3123	62.1	0.6

Table 5b. Performance of Full-Season Early Maturity Group V Entries at Orange, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Armor	X1410	RR2Y	5.0		5.0	44	0	1.7	3634	69.0
Pioneer	95Y01	RR	5.1		3.8	49	0	2.0	2599	66.4
HBK	LL5350	LL27	5.3		3.8	42	0	1.7	2902	62.2
Armor	X1312	RR2Y	5.0		2.5	46	0	2.0	2806	61.2
Progeny	P 5213 RY	RR2Y	5.2		2.7	57	0	2.0	3043	60.0
Channel	5307R2/STS	RR2Y/STS	5.3		3.5	55	0	2.0	2716	59.5
Halo	5:45	LL	5.4		4.3	48	0	1.7	3207	59.4
T.A. Seeds	EX5159	RR2Y	5.1		3.5	47	0	1.3	2995	59.3
Progeny	P 5111 RY	RR2Y	5.1		4.5	52	0	1.3	3108	59.1
HBK	RY5221	RR2Y	5.2		4.8	60	0	1.7	2453	58.9
Univ. of Arkansas	Ozark	CONV	5.2		4.8	51	0	2.0	2890	57.9
DYNA-GRO	S53RY23	RR2Y	5.3		4.3	45	0	1.0	2985	56.5
Univ. of Arkansas	R04-1268RR	RR	5.4		4.8	45	0	2.0	3314	55.7
Halo	5:26	LL	5.1		5.0	45	0	1.3	2901	55.7
Univ. of Arkansas	R05-374	CONV	5.1		4.8	44	0	2.0	2734	54.1
Southern States	LL 513N	LL	5.1		3.2	56	0	2.0	2988	53.8
USDA-ARS	JTN-5203	CONV	5.3		4.7	43	0	2.0	3107	53.8
Armor	X1413	RR2Y	5.1		3.7	58	0	1.7	3323	52.8
Southern Harvest	SH 5614LL/STS	LL/STS	5.6		4.2	59	1	1.0	3016	51.7
Armor	53-R88	RR2Y/STS	5.4		4.7	46	0	1.7	3112	51.2
Progeny	P 5160 LL	LL	5.1		3.7	35	0	1.7	3053	50.8
Progeny	P 5210 RY	RR2Y	5.2		5.0	46	0	2.0	2746	50.0
Progeny	P 5460 LL	LL	5.4		4.0	56	0	1.3	3190	49.6
Progeny	P 5333 RY	RR2Y	5.3		4.8	46	0	1.0	3256	48.6
Halo	5:01-5	LL	5.0		3.5	52	2	1.7	3086	48.5
T.A. Seeds	EX5459	RR2Y	5.4		4.7	43	0	1.3	3038	48.3
Public	Glenn	CONV	5.5		4.7	41	0	2.0	2948	47.2
HBK	RY5421	RR2Y	5.4		4.5	43	0	1.7	2861	46.4
RPM	DB5213RR	RR	5.2		4.3	44	0	1.7	2949	44.9
Halo	X530	LL/STS	5.3		3.8	61	0	1.0	3094	44.0
Armor	53-R16	RR2Y	5.4		5.0	44	0	1.0	3615	43.1
Southern States	LL 563N STS	LL/STS	5.6		4.2	62	0	1.3	3053	43.1
Southern States	SS 5213N R2	RR2Y	5.2		4.2	51	1	1.0	2859	41.5
Stine	54LD00	LL	5.4		4.5	54	0	1.7	3415	41.4
Univ. of Arkansas	UA 5213C	CONV	5.2		5.0	46	1	1.7	3408	38.3
VSU	VS22-465	CONV	5.0		4.7	44	0	1.3	3427	36.0
USDA-ARS	JTN-4307	CONV	5.0		5.0	45	0	1.7	3398	30.6
LSD (P=.10)					0.5	7	0.6	0.6	150	9.6
CV					8.8	9.7	256.4	26.6	3.6	13.7
Grand Mean					4.3	49	0.16	1.6	3060	51.6

Table 5c. Performance of Full-Season Early Maturity Group V Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
VSU	VS22-465	CONV	5.0		2.0	41	1	1.0	2884	48.0	0.0
Halo	5:01-5	LL	5.0		1.3	44	0	2.3	3444	46.1	0.3
Armor	X1312	RR2Y	5.0		1.3	37	3	3.7	2965	45.0	0.0
Armor	X1413	RR2Y	5.1		1.3	42	2	2.7	3353	44.6	1.0
USDA-ARS	JTN-4307	CONV	5.0		3.0	44	0	2.0	3739	44.3	0.3
RPM	DB5213RR	RR	5.2		1.8	38	0	2.0	3439	44.2	1.3
Progeny	P 5213 RY	RR2Y	5.2		2.0	47	2	2.7	3206	44.0	1.3
Stine	54LD00	LL	5.4		2.3	43	3	2.0	3329	43.8	0.0
Progeny	P 5210 RY	RR2Y	5.2		3.2	41	1	1.7	3001	43.4	1.0
Univ. of Arkansas	R05-374	CONV	5.1		2.3	49	1	1.7	3161	43.3	0.3
Halo	5:45	LL	5.4		1.7	40	0	2.3	3613	43.2	0.0
Halo	5:26	LL	5.1		2.0	41	0	1.7	3451	42.5	0.0
Pioneer	95Y01	RR	5.1		3.3	43	0	2.3	2676	42.4	0.7
Channel	5307R2/STS	RR2Y/STS	5.3		2.0	41	1	1.7	2828	41.5	2.0
Armor	53-R16	RR2Y	5.4		2.0	44	2	1.3	3509	40.2	0.0
Progeny	P 5333 RY	RR2Y	5.3		2.8	42	3	2.0	3420	40.1	0.0
Southern States	SS 5213N R2	RR2Y	5.2		2.0	44	1	1.3	3311	40.0	1.0
Univ. of Arkansas	UA 5213C	CONV	5.2		3.3	37	0	2.0	3870	39.1	0.7
Southern States	LL 513N	LL	5.1		1.3	40	1	2.3	3472	38.8	0.0
Progeny	P 5460 LL	LL	5.4		2.0	42	0	1.7	3482	38.0	0.0
Univ. of Arkansas	R04-1268RR	RR	5.4		4.0	38	0	1.7	3505	37.4	0.7
DYNA-GRO	S53RY23	RR2Y	5.3		2.7	45	2	1.3	3196	37.3	0.3
Univ. of Arkansas	Ozark	CONV	5.2		3.0	40	1	1.7	3155	37.0	0.7
Public	Glenn	CONV	5.5		4.3	44	0	2.0	3357	36.7	0.7
Progeny	P 5160 LL	LL	5.1		2.5	33	0	1.0	3544	36.5	0.0
HBK	RY5421	RR2Y	5.4		2.2	40	1	1.7	3109	36.3	0.0
Progeny	P 5111 RY	RR2Y	5.1		2.7	42	0	2.3	3567	35.9	0.0
Southern States	LL 563N STS	LL/STS	5.6		2.2	54	1	1.7	3164	35.8	0.7
USDA-ARS	JTN-5203	CONV	5.3		3.3	41	0	2.7	3730	34.9	0.0
T.A. Seeds	EX5459	RR2Y	5.4		2.3	42	1	1.0	3330	34.2	1.0
Armor	53-R88	RR2Y/STS	5.4		2.5	40	1	1.0	3116	34.0	1.3
Halo	X530	LL/STS	5.3		2.3	49	0	1.7	3095	33.9	0.7
HBK	RY5221	RR2Y	5.2		2.7	47	2	2.3	2801	33.6	0.3
Southern Harvest	SH 5614LL/STS	LL/STS	5.6		2.5	51	1	1.0	3087	32.8	0.0
HBK	LL5350	LL27	5.3		1.8	36	0	1.3	3635	32.3	0.3
T.A. Seeds	EX5159	RR2Y	5.1		1.7	45	2	2.0	3257	32.0	1.7
Armor	X1410	RR2Y	5.0		4.3	47	0	1.0	3782	29.2	0.7
LSD (P=.10)					1.0	4	1.6	0.8	234	7.0	0.6
CV					29.9	7.6	126.6	33.8	5.2	13.2	85.4
Grand Mean					2.4	43	0.95	1.8	3313	39.0	0.5

Table 5d. Performance of Full-Season Early Maturity Group V Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Progeny	P 5160 LL	LL	5.1	7-Oct	1.0	32	0	1.7	2844	85.8	0.0
Univ. of Arkansas	R04-1268RR	RR	5.4	8-Oct	1.3	35	0	2.0	2849	85.4	0.3
Public	Glenn	CONV	5.5	8-Oct	1.0	32	0	2.0	2529	84.1	0.0
Univ. of Arkansas	R05-374	CONV	5.1	9-Oct	2.3	43	0	1.3	2573	83.8	0.0
Southern States	LL 513N	LL	5.1	7-Oct	1.0	44	0	2.7	2987	83.6	0.0
HBK	LL5350	LL27	5.3	8-Oct	1.3	37	0	1.7	2756	81.5	0.3
HBK	RY5421	RR2Y	5.4	8-Oct	2.5	41	0	2.0	2665	81.2	0.0
RPM	DB5213RR	RR	5.2	9-Oct	1.0	36	0	2.0	2751	81.1	0.7
Progeny	P 5460 LL	LL	5.4	7-Oct	2.0	53	0	2.0	2958	80.4	0.0
Progeny	P 5213 RY	RR2Y	5.2	2-Oct	1.7	48	0	2.7	3024	80.2	0.7
DYNA-GRO	S53RY23	RR2Y	5.3	8-Oct	1.8	42	0	1.0	2632	80.1	0.0
Progeny	P 5333 RY	RR2Y	5.3	7-Oct	3.0	40	1	2.7	2908	78.8	0.3
Halo	5:26	LL	5.1	7-Oct	1.3	39	0	2.3	2625	78.6	0.0
Armor	X1413	RR2Y	5.1	5-Oct	2.3	46	1	3.3	2804	78.3	0.3
Armor	X1312	RR2Y	5.0	8-Oct	1.3	43	2	3.3	2533	78.2	0.0
Univ. of Arkansas	UA 5213C	CONV	5.2	7-Oct	3.0	42	0	2.3	3026	76.8	0.3
Southern States	SS 5213N R2	RR2Y	5.2	6-Oct	1.7	41	0	1.0	2692	76.8	0.7
Halo	5:45	LL	5.4	9-Oct	1.2	41	0	2.0	3095	76.5	0.0
Progeny	P 5210 RY	RR2Y	5.2	7-Oct	2.2	40	0	2.0	2560	76.3	0.0
Channel	5307R2/STS	RR2Y/STS	5.3	6-Oct	2.3	53	1	2.7	2431	76.1	0.7
T.A. Seeds	EX5459	RR2Y	5.4	6-Oct	1.8	40	0	1.7	2639	75.5	1.3
Armor	53-R88	RR2Y/STS	5.4	7-Oct	2.0	36	0	1.7	2609	75.1	0.0
Halo	5:01-5	LL	5.0	8-Oct	1.7	54	0	3.0	2698	75.0	0.0
Pioneer	95Y01	RR	5.1	3-Oct	3.2	46	0	3.0	2425	74.4	0.7
USDA-ARS	JTN-5203	CONV	5.3	9-Oct	1.0	42	0	2.3	2779	73.4	0.0
VSU	VS22-465	CONV	5.0	10-Oct	1.3	37	0	1.7	2928	73.2	0.0
Armor	53-R16	RR2Y	5.4	9-Oct	2.0	40	0	2.3	3414	71.9	0.7
Southern Harvest	SH 5614LL/STS	LL/STS	5.6	7-Oct	2.7	56	1	2.0	2681	71.9	0.3
Stine	54LD00	LL	5.4	10-Oct	3.2	43	1	1.7	3045	71.9	0.0
T.A. Seeds	EX5159	RR2Y	5.1	3-Oct	1.5	48	0	2.3	2877	68.9	2.0
HBK	RY5221	RR2Y	5.2	8-Oct	3.5	48	2	2.7	2262	68.1	0.0
Univ. of Arkansas	Ozark	CONV	5.2	7-Oct	2.5	42	0	2.3	2485	65.8	0.0
Progeny	P 5111 RY	RR2Y	5.1	8-Oct	1.7	40	0	2.0	3087	65.8	0.0
USDA-ARS	JTN-4307	CONV	5.0	7-Oct	3.3	43	0	1.3	3038	64.2	0.0
Halo	X530	LL/STS	5.3	8-Oct	2.7	63	0	2.0	2504	63.5	0.0
Armor	X1410	RR2Y	5.0	8-Oct	3.5	44	0	2.0	3258	63.0	0.7
Southern States	LL 563N STS	LL/STS	5.6	9-Oct	1.8	61	1	1.3	2657	56.2	0.0
LSD (P=.10)				2.79	0.8	6	0.7	0.7	176	10.1	0.6
CV				5.5	27.7	9.5	187.3	23.9	4.7	9.8	170.5
Grand Mean				7-Oct	2.0	44	0.28	2.1	2774	75.2	0.3

Table 5e. Performance of Full- Season Early Maturity Group V Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Progeny	P 5160 LL	LL	5.1	5-Oct	3.2	36	0	1.6	3180	78.8	0.3
Public	Glenn	CONV	5.5	6-Oct	3.9	40	1	1.8	2999	77.1	0.7
Progeny	P 5460 LL	LL	5.4	5-Oct	2.8	54	0	2.1	3370	75.4	0.3
Armor	X1312	RR2Y	5.0	1-Oct	2.9	45	4	3.0	2736	75.2	0.0
Progeny	P 5213 RY	RR2Y	5.2	30-Sep	2.9	55	2	2.7	3030	75.2	0.3
HBK	LL5350	LL27	5.3	5-Oct	3.1	36	1	1.7	3385	74.8	0.0
Southern States	LL 513N	LL	5.1	4-Oct	2.8	49	0	1.7	3319	74.4	0.0
Pioneer	95Y01	RR	5.1	1-Oct	3.7	48	1	2.6	2690	73.6	0.0
Armor	X1413	RR2Y	5.1	1-Oct	2.8	56	1	2.5	3143	73.3	0.7
Univ. of Arkansas	R05-374	CONV	5.1	6-Oct	3.9	47	0	1.6	3165	72.8	0.7
Southern States	SS 5213N R2	RR2Y	5.2	9-Oct	3.4	45	2	1.9	3051	71.6	0.3
Progeny	P 5111 RY	RR2Y	5.1	5-Oct	3.6	45	0	1.8	3320	71.4	0.0
Stine	54LD00	LL	5.4	10-Oct	2.7	55	2	2.5	3361	71.1	0.0
Channel	5307R2/STS	RR2Y/STS	5.3	1-Oct	3.3	54	1	2.5	2733	70.2	1.0
Halo	5:45	LL	5.4	7-Oct	3.8	47	0	1.7	3464	70.1	0.0
Univ. of Arkansas	UA 5213C	CONV	5.2	6-Oct	4.5	45	1	1.7	3752	69.8	0.0
Univ. of Arkansas	Ozark	CONV	5.2	5-Oct	4.2	44	1	1.6	3240	69.5	0.0
DYNA-GRO	S53RY23	RR2Y	5.3	7-Oct	3.5	48	2	1.9	3237	68.6	0.0
T.A. Seeds	EX5159	RR2Y	5.1	2-Oct	2.9	53	2	2.5	2918	68.6	0.7
Halo	5:01-5	LL	5.0	5-Oct	3.0	53	1	1.9	3447	68.2	0.3
Southern Harvest	SH 5614LL/STS	LL/STS	5.6	7-Oct	3.2	57	2	2.2	3033	67.8	0.3
VSU	VS22-465	CONV	5.0	17-Oct	3.3	44	7	2.8	3038	67.7	0.0
Halo	5:26	LL	5.1	4-Oct	3.4	39	1	1.9	3264	67.6	0.0
USDA-ARS	JTN-5203	CONV	5.3	7-Oct	3.7	44	3	2.2	3247	67.4	0.0
Univ. of Arkansas	R04-1268RR	RR	5.4	7-Oct	4.2	45	0	2.0	3566	66.6	1.0
Armor	53-R88	RR2Y/STS	5.4	7-Oct	3.8	47	0	1.6	3248	66.4	0.7
RPM	DB5213RR	RR	5.2	3-Oct	3.1	39	0	1.8	3481	66.4	1.0
Southern States	LL 563N STS	LL/STS	5.6	8-Oct	3.3	62	0	2.2	3074	66.0	0.7
HBK	RY5221	RR2Y	5.2	2-Oct	4.0	60	1	3.0	2682	65.9	0.3
T.A. Seeds	EX5459	RR2Y	5.4	6-Oct	3.8	42	0	1.9	3173	65.4	1.0
Armor	53-R16	RR2Y	5.4	6-Oct	3.9	44	2	2.2	3803	64.2	0.3
Progeny	P 5333 RY	RR2Y	5.3	4-Oct	3.9	43	0	2.3	3721	64.1	0.7
Progeny	P 5210 RY	RR2Y	5.2	6-Oct	3.9	44	0	1.6	3014	63.8	0.7
Halo	X530	LL/STS	5.3	8-Oct	3.1	60	1	2.4	3028	60.6	0.3
USDA-ARS	JTN-4307	CONV	5.0	1-Oct	3.6	44	0	1.5	3678	60.6	0.0
Armor	X1410	RR2Y	5.0	2-Oct	3.8	55	0	1.8	3878	58.6	1.0
HBK	RY5421	RR2Y	5.4	8-Oct	3.7	44	1	2.0	3271	53.9	0.0
LSD (P=.10)				1.81	0.3	5	1.4	0.4	204	6.5	0.5
CV				3.8	6.8	8.0	97.4	12.3	4.6	6.9	109.8
Grand Mean				5-Oct	3.5	48	1.05	2.1	3236	68.7	0.4

Table 5f. Performance of Double-Crop Early Maturity Group V Entries at Blackstone, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Halo	5:45	LL	5.4		4.3	50	4	3.0	3442	71.8
Armor	X1413	RR2Y	5.1		2.7	49	0	2.7	3086	67.3
Progeny	P 5213 RY	RR2Y	5.2		3.0	52	1	2.7	2952	67.2
Pioneer	95Y01	RR	5.1		3.8	47	3	2.7	2585	65.8
Armor	53-R16	RR2Y	5.4		4.5	45	5	2.7	3529	64.0
Southern States	SS 5213N R2	RR2Y	5.2		3.7	49	13	2.0	2848	62.6
Armor	X1312	RR2Y	5.0		2.3	43	3	3.0	2654	62.5
Asgrow	AG5233	RR2Y/STS	5.2		4.5	43	0	2.3	3253	62.2
Halo	5:01-5	LL	5.0		2.5	50	8	3.0	3312	61.3
Progeny	P 5210 RY	RR2Y	5.2		4.5	49	4	3.0	2940	60.6
Channel	5307R2/STS	RR2Y/STS	5.3		3.5	45	2	3.0	2739	60.5
HBK	LL5350	LL27	5.3		4.3	40	7	2.0	3074	60.5
RPM	DB5213RR	RR	5.2		4.0	41	1	3.0	3101	60.1
Hubner Seed	H51-13R2	RR2Y	5.1		4.0	50	2	2.7	3295	59.9
Progeny	P 5160 LL	LL	5.1		4.3	36	4	2.3	3059	58.7
Progeny	P 5333 RY	RR2Y	5.3		4.8	49	9	2.7	3620	58.5
Progeny	P 5460 LL	LL	5.4		3.0	45	6	3.0	3281	57.5
USDA-ARS	JTN-5203	CONV	5.3		4.2	43	7	3.0	3353	57.0
Asgrow	AG5332	RR2Y	5.3		4.0	42	1	2.0	3060	56.7
USG	75J23R	RR2Y	5.2		3.0	48	2	2.0	2988	56.6
HBK	RY5221	RR2Y	5.2		3.7	49	1	3.0	2494	56.0
Stine	54LD00	LL	5.4		3.2	47	11	2.0	3167	54.6
Halo	X530	LL/STS	5.3		4.2	59	8	2.3	2974	54.3
USDA-ARS	JTN-4307	CONV	5.0		4.7	46	2	2.0	3574	53.3
Progeny	P 5111 RY	RR2Y	5.1		3.7	47	1	2.7	3328	53.2
Halo	5:26	LL	5.1		4.0	44	4	2.7	3072	53.1
Southern Harvest	SH 5614LL/STS	LL/STS	5.6		3.7	62	7	2.3	2994	51.3
Armor	53-R88	RR2Y/STS	5.4		3.8	46	4	2.0	2928	51.1
Armor	X1410	RR2Y	5.0		4.8	57	3	2.7	3826	40.8
HBK	RY5421	RR2Y	5.4		4.8	43	12	2.0	3046	38.2
LSD (P=.10)					0.6	5	3.4	0.5	137	8.7
CV					12.1	7.8	55.5	14.6	3.2	11.0
Grand Mean					3.9	47	4.52	2.5	3119	57.9

Table 5g. Performance of Double-Crop Early Maturity Group V Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Armor	53-R16	RR2Y	5.4		3.8	36	0	1.0	3167	65.3
Asgrow	AG5233	RR2Y/STS	5.2		1.5	30	2	1.0	3144	63.5
Asgrow	AG5332	RR2Y	5.3		1.7	28	0	1.0	3016	63.5
Armor	X1413	RR2Y	5.1		1.5	34	0	1.0	3102	62.4
Channel	5307R2/STS	RR2Y/STS	5.3		2.5	34	1	1.0	2795	62.0
Halo	5:01-5	LL	5.0		1.2	35	0	1.3	3344	61.8
Armor	X1312	RR2Y	5.0		1.3	30	2	1.7	2728	61.5
Southern States	SS 5213N R2	RR2Y	5.2		2.2	35	0	1.0	2746	60.3
USDA-ARS	JTN-5203	CONV	5.3		3.8	32	0	1.3	3353	60.3
HBK	RY5221	RR2Y	5.2		2.8	36	1	2.0	2592	60.1
Armor	53-R88	RR2Y/STS	5.4		2.8	31	0	1.0	3060	59.8
Pioneer	95Y01	RR	5.1		2.3	33	0	1.3	2665	59.6
Progeny	P 5210 RY	RR2Y	5.2		4.2	36	0	1.7	2871	59.4
Progeny	P 5460 LL	LL	5.4		1.7	31	0	1.0	3680	59.3
Stine	54LD00	LL	5.4		1.8	30	0	1.3	3465	58.7
Halo	X530	LL/STS	5.3		3.0	45	0	1.3	3236	58.4
Halo	5:26	LL	5.1		3.7	34	0	1.0	2995	56.8
Halo	5:45	LL	5.4		3.2	34	0	1.3	3421	56.8
Progeny	P 5333 RY	RR2Y	5.3		4.2	34	0	1.0	3331	56.2
HBK	RY5421	RR2Y	5.4		3.2	32	0	1.0	3136	55.9
Progeny	P 5160 LL	LL	5.1		2.8	30	0	1.3	3184	55.8
USG	75J23R	RR2Y	5.2		1.3	33	1	1.7	3031	55.8
Progeny	P 5213 RY	RR2Y	5.2		1.3	34	1	1.3	3024	55.7
HBK	LL5350	LL27	5.3		2.8	28	0	1.0	3129	55.5
Southern Harvest	SH 5614LL/STS	LL/STS	5.6		2.8	39	0	2.0	3310	55.0
Progeny	P 5111 RY	RR2Y	5.1		3.0	34	0	1.0	3281	53.8
RPM	DB5213RR	RR	5.2		2.3	31	0	1.0	3012	53.7
Hubner Seed	H51-13R2	RR2Y	5.1		2.7	35	0	1.3	3391	53.1
Armor	X1410	RR2Y	5.0		4.5	42	0	1.0	3913	52.7
USDA-ARS	JTN-4307	CONV	5.0		4.3	34	1	1.3	3544	49.0
LSD (P=.10)					0.6	3	0.8	0.5	131	6.0
CV					15.3	6.4	163.4	29.8	3.0	7.6
Grand Mean					2.7	34	0.34	1.2	3156	58.1

Table 5h. Performance of Double-Crop Early Maturity Group V Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Progeny	P 5460 LL	LL	5.4		1.5	37	1	1.0	2777	76.0
Halo	5:01-5	LL	5.0		1.8	40	1	1.0	2791	75.6
Southern States	SS 5213N R2	RR2Y	5.2		1.5	35	1	1.0	2702	75.2
Channel	5307R2/STS	RR2Y/STS	5.3		1.8	35	3	1.3	2511	73.6
Asgrow	AG5332	RR2Y	5.3		1.5	31	4	1.0	2778	72.2
USG	75J23R	RR2Y	5.2		1.5	34	6	1.3	2717	71.1
Asgrow	AG5233	RR2Y/STS	5.2		1.8	32	8	1.7	2877	70.6
HBK	LL5350	LL27	5.3		2.0	32	1	1.0	2801	69.0
Pioneer	95Y01	RR	5.1		2.0	32	5	1.3	2568	68.6
Progeny	P 5213 RY	RR2Y	5.2		1.5	38	12	2.0	2658	68.4
Armor	X1312	RR2Y	5.0		1.5	30	12	1.7	2554	67.0
Armor	53-R16	RR2Y	5.4		2.0	30	7	1.3	3133	67.0
USDA-ARS	JTN-5203	CONV	5.3		1.8	28	6	1.7	3000	66.9
Stine	54LD00	LL	5.4		1.7	35	1	1.0	3143	66.8
Progeny	P 5160 LL	LL	5.1		1.7	28	1	1.0	2802	66.6
Armor	X1413	RR2Y	5.1		1.7	39	7	1.3	2690	66.5
Progeny	P 5210 RY	RR2Y	5.2		2.7	29	1	1.0	2731	65.8
Progeny	P 5333 RY	RR2Y	5.3		2.8	30	5	1.3	3072	64.9
RPM	DB5213RR	RR	5.2		1.5	28	1	1.0	2889	63.6
Halo	X530	LL/STS	5.3		2.2	44	0	1.0	2668	63.4
Southern Harvest	SH 5614LL/STS	LL/STS	5.6		2.0	42	1	1.0	2702	63.4
Halo	5:45	LL	5.4		1.8	35	1	1.0	3059	63.2
Hubner Seed	H51-13R2	RR2Y	5.1		1.5	30	7	1.3	3088	61.8
Progeny	P 5111 RY	RR2Y	5.1		1.5	30	2	1.3	3021	61.4
Halo	5:26	LL	5.1		1.5	30	6	1.3	2707	61.0
Armor	53-R88	RR2Y/STS	5.4		2.2	31	0	1.0	2836	59.2
HBK	RY5421	RR2Y	5.4		2.2	30	0	1.0	2803	58.2
Armor	X1410	RR2Y	5.0		3.0	36	0	1.0	3368	56.9
USDA-ARS	JTN-4307	CONV	5.0		1.5	28	10	2.0	3280	53.5
HBK	RY5221	RR2Y	5.2		2.0	38	14	2.0	2363	50.7
LSD (P=.10)					0.5	3	4.5	0.5	111	5.6
CV					17.7	7.4	80.4	29.2	2.9	6.3
Grand Mean					1.9	33	4.07	1.3	2836	65.6

Table 5i. Performance of Double-Crop Early Maturity Group V Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Channel	5307R2/STS	RR2Y/STS	5.3	25-Oct	1.5	37	2	1.5	2877	55.2
Halo	5:01-5	LL	5.0	6-Nov	1.6	38	0	1.2	3225	55.1
Armor	X1413	RR2Y	5.1	28-Oct	1.3	41	3	1.6	3058	54.5
Southern Harvest	SH 5614LL/STS	LL/STS	5.6	6-Nov	2.6	46	0	1.3	3140	53.0
Progeny	P 5213 RY	RR2Y	5.2	26-Oct	1.2	38	4	1.6	3181	52.9
Stine	54LD00	LL	5.4	7-Nov	1.4	36	0	1.3	3249	52.9
Asgrow	AG5332	RR2Y	5.3	25-Oct	1.3	32	1	1.5	3209	52.6
Halo	5:26	LL	5.1	4-Nov	3.0	40	0	1.3	3195	52.1
Progeny	P 5160 LL	LL	5.1	3-Nov	2.2	33	0	1.1	3337	51.8
Progeny	P 5460 LL	LL	5.4	7-Nov	1.4	34	0	1.3	3509	51.6
Armor	53-R88	RR2Y/STS	5.4	7-Nov	2.3	38	0	1.2	3038	51.4
Armor	53-R16	RR2Y	5.4	5-Nov	2.3	39	0	1.2	3465	51.0
Armor	X1312	RR2Y	5.0	26-Oct	1.1	31	6	2.1	3137	50.9
Progeny	P 5111 RY	RR2Y	5.1	4-Nov	2.7	42	0	1.4	3455	50.9
RPM	DB5213RR	RR	5.2	3-Nov	2.3	35	1	1.4	3079	50.9
Hubner Seed	H51-13R2	RR2Y	5.1	4-Nov	2.4	43	0	1.4	3502	50.5
Progeny	P 5210 RY	RR2Y	5.2	5-Nov	2.8	41	0	1.3	3052	50.2
Asgrow	AG5233	RR2Y/STS	5.2	26-Oct	1.5	32	3	1.5	3274	50.0
Pioneer	95Y01	RR	5.1	28-Oct	1.8	34	1	1.5	2807	48.9
USDA-ARS	JTN-5203	CONV	5.3	6-Nov	2.9	38	0	1.4	3484	48.7
HBK	LL5350	LL27	5.3	4-Nov	2.8	33	0	1.2	3151	48.6
Southern States	SS 5213N R2	RR2Y	5.2	8-Nov	2.8	37	0	1.3	3033	48.6
USG	75J23R	RR2Y	5.2	28-Oct	1.3	36	1	1.5	3067	48.6
HBK	RY5421	RR2Y	5.4	5-Nov	3.6	34	0	1.1	3174	48.0
HBK	RY5221	RR2Y	5.2	27-Oct	1.9	40	5	1.9	2791	47.4
Progeny	P 5333 RY	RR2Y	5.3	4-Nov	3.4	41	1	1.5	3555	47.1
Armor	X1410	RR2Y	5.0	2-Nov	3.3	46	0	1.2	3994	46.9
Halo	5:45	LL	5.4	6-Nov	2.1	39	0	1.2	3403	46.9
Halo	X530	LL/STS	5.3	6-Nov	2.3	45	1	1.4	3272	46.5
USDA-ARS	JTN-4307	CONV	5.0	29-Oct	2.5	42	1	1.5	3823	42.4
LSD (P=.10)				1.9	0.5	3	2.2	0.2	134	4.8
CV				2.3	16.7	5.5	156.6	12.0	3.0	6.9
Grand Mean				2-Nov	2.2	38	1.03	1.4	3251	50.2

Table 6a. Performance of Full-Season Late Maturity Group V Entries at Blackstone, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Hubner Seed	H53-12R2	RR2Y	5.3		4.8	48	2	2.3	3097	71.0	0.3
Southern Harvest	SH 5512 LL	LL	5.5		4.7	42	1	2.0	3448	66.4	0.0
T.A. Seeds	EX5559	RR2Y	5.5		4.8	49	0	2.7	3856	65.4	0.7
USDA-ARS	JTN-5110	CONV	5.5		4.0	46	1	3.0	3212	64.6	1.0
Asgrow	AG5533	RR2Y/STS	5.5		4.3	48	1	2.0	3336	64.5	0.0
Univ. of Arkansas	UA 5612	CONV	5.3		4.7	44	0	2.3	3487	64.4	0.3
DYNA-GRO	39RY57	RR2Y	5.7		4.7	44	0	2.7	3013	63.9	0.3
Virginia	V08-1924	CONV	5.6		4.7	42	0	3.0	3321	63.1	0.0
Stine	58LC23	LL	5.8		4.3	51	0	2.0	3102	61.1	0.0
Channel	5805R2	RR2Y	5.8		4.7	48	0	2.0	3018	60.2	0.0
Southern Harvest	SH 5912 LL	LL	5.9		3.8	46	0	2.0	3501	59.8	0.3
Progeny	P 5610 RY	RR2Y	5.6		4.3	44	1	2.0	2764	59.2	0.0
RPM	DB5711RR	RR	5.7		5.0	45	1	2.0	3174	58.3	0.7
Univ. of Arkansas	Osage	CONV	5.6		3.8	38	1	1.7	3705	57.3	0.3
Asgrow	AG5632	RR2Y/STS	5.6		2.8	47	1	2.0	3782	57.2	0.0
Montague	MFS-561	CONV	5.6		3.2	42	0	1.7	4994	57.0	0.7
Progeny	P 5960 LL	LL	5.9		3.5	44	0	3.0	4201	56.4	0.7
Progeny	P 5711 RY	RR2Y	5.7		4.3	47	0	2.3	4072	56.2	1.0
Progeny	P 5555 RY	RR2Y	5.5		3.7	46	1	2.0	3197	55.8	0.0
Montague	V05-5973W	CONV	5.8		4.7	40	1	2.7	3999	55.6	0.0
RPM	DB6012RR	RR	6.0		3.8	48	1	2.0	3298	55.6	0.0
Stine	6202-4	RR	6.2		4.7	47	2	2.0	3439	55.1	0.0
DYNA-GRO	32RY55	RR2Y	5.5		4.7	51	0	2.0	2866	54.0	0.0
Univ. of Arkansas	R04-1250RR	RR	5.5		4.7	43	2	2.7	3098	53.9	0.0
Hubner Seed	H58-12R2	RR2Y	5.8		4.3	43	1	2.0	3095	53.2	0.7
Southern States	SS 5513N R2	RR2Y	5.5		4.3	45	0	2.0	3447	53.0	0.0
Armor	X1426	RR2Y	6.1		3.7	44	1	2.0	4153	52.7	0.3
Virginia	V08-0136	RR	5.6		4.5	38	0	2.0	3651	52.7	0.0
Southern States	SS 5911N R2	RR2Y	5.9		3.3	43	1	2.0	4064	52.2	0.0
Southern States	SS 5511N R2	RR2Y	5.5		4.8	49	0	2.0	2887	50.5	0.3
Southern States	SS 5711 R2	RR2Y	5.7		4.3	47	0	2.7	3200	49.3	0.3
Armor	55-R22	RR2Y	5.5		4.7	51	1	2.0	2970	48.6	0.0
Armor	X1425	RR2Y	5.9		3.5	45	1	2.0	4039	48.0	0.0
Virginia	V08-0062	RR	5.9		4.7	48	1	2.0	3126	45.3	0.7
USG	76S22R	RR2Y	6.2		3.7	38	1	2.0	4076	44.0	0.0
LSD (P=.10)					1.1	7	1.1	0.5	744	11.9	0.8
CV					19.1	11.0	116.9	16.1	15.7	15.4	237.5
Grand Mean					4.2	45	0.67	2.2	3477	56.7	0.3

Table 6b. Performance of Full-Season Late Maturity Group V Entries at Orange, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
DYNA-GRO	32RY55	RR2Y	5.5		4.2	50	0	1.3	2590	56.6
Progeny	P 5960 LL	LL	5.9		2.5	48	0	1.7	3545	55.0
Progeny	P 5711 RY	RR2Y	5.7		4.8	50	0	2.0	3058	52.5
Progeny	P 5555 RY	RR2Y	5.5		4.8	53	0	2.0	3080	52.3
Armor	55-R22	RR2Y	5.5		4.5	50	1	1.7	2648	52.2
USDA-ARS	JTN-5110	CONV	5.5		4.0	42	0	2.3	2860	52.1
Southern Harvest	SH 5512 LL	LL	5.5		4.7	52	0	1.7	3345	51.8
Univ. of Arkansas	R04-1250RR	RR	5.5		4.7	50	0	1.7	2903	50.9
Channel	5805R2	RR2Y	5.8		3.7	54	0	1.3	2580	50.6
T.A. Seeds	EX5559	RR2Y	5.5		4.5	52	0	2.0	3129	50.5
Univ. of Arkansas	UA 5612	CONV	5.3		4.2	53	0	2.0	3583	49.9
Southern Harvest	SH 5912 LL	LL	5.9		2.8	47	0	2.0	3429	49.7
Southern States	SS 5511N R2	RR2Y	5.5		4.2	50	0	1.3	2655	49.5
Southern States	SS 5513N R2	RR2Y	5.5		4.8	48	0	1.7	3161	49.5
Southern States	SS 5711 R2	RR2Y	5.7		4.7	52	0	1.7	2953	49.3
Progeny	P 5610 RY	RR2Y	5.6		4.7	46	0	2.0	2603	48.9
Asgrow	AG5632	RR2Y/STS	5.6		3.7	51	0	1.0	3290	48.8
RPM	DB6012RR	RR	6.0		3.8	49	1	1.7	2988	48.2
Stine	58LC23	LL	5.8		4.2	55	0	1.3	3079	47.7
DYNA-GRO	39RY57	RR2Y	5.7		5.0	53	0	1.7	2953	46.7
RPM	DB5711RR	RR	5.7		4.7	55	1	2.0	2998	45.8
Armor	X1426	RR2Y	6.1		4.8	48	0	1.0	3835	45.4
Armor	X1425	RR2Y	5.9		4.8	47	0	1.3	3839	45.2
USG	76S22R	RR2Y	6.2		4.2	47	0	1.7	3760	44.0
Hubner Seed	H53-12R2	RR2Y	5.3		4.5	53	0	2.0	3061	43.6
Univ. of Arkansas	Osage	CONV	5.6		5.0	48	0	1.7	3670	43.4
Asgrow	AG5533	RR2Y/STS	5.5		4.3	52	0	1.3	3371	42.8
Southern States	SS 5911N R2	RR2Y	5.9		4.5	52	0	1.0	4125	42.0
Hubner Seed	H58-12R2	RR2Y	5.8		3.7	46	0	1.3	3028	40.2
Virginia	V08-0136	RR	5.6		4.5	42	0	1.7	3493	32.9
Stine	6202-4	RR	6.2		4.0	46	0	1.0	3546	32.3
Virginia	V08-0062	RR	5.9		4.7	52	0	1.7	3079	30.6
Virginia	V08-1924	CONV	5.6		5.0	49	0	2.0	3397	28.5
Montague	V05-5973W	CONV	5.8		5.0	47	0	2.0	5258	25.2
Montague	MFS-561	CONV	5.6		4.3	47	0	1.3	6125	24.3
LSD (P=.10)					0.7	6	0.5	0.6	258	9.6
CV					12.2	8.4	292.5	27.3	5.7	15.6
Grand Mean					4.4	50	0.11	1.6	3343	45.1

Table 6c. Performance of Full-Season Late Maturity Group V Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
USG	76S22R	RR2Y	6.2		2.0	45	1	2.0	3709	47.5	0.0
Armor	X1425	RR2Y	5.9		1.8	44	1	2.0	3851	45.4	0.0
Southern States	SS 5511N R2	RR2Y	5.5		1.5	43	1	2.3	2766	45.4	0.7
Progeny	P 5610 RY	RR2Y	5.6		3.0	45	1	2.3	2701	42.7	0.0
Univ. of Arkansas	UA 5612	CONV	5.3		4.3	43	1	3.0	3486	42.4	0.0
Stine	6202-4	RR	6.2		2.7	43	1	2.3	3126	42.0	0.0
DYNA-GRO	32RY55	RR2Y	5.5		1.8	41	0	2.0	2730	41.2	0.3
Progeny	P 5711 RY	RR2Y	5.7		3.3	43	0	2.3	2902	40.9	0.3
Channel	5805R2	RR2Y	5.8		1.7	41	0	2.3	2733	40.4	0.3
Hubner Seed	H58-12R2	RR2Y	5.8		1.5	40	0	1.3	3154	40.4	0.0
RPM	DB6012RR	RR	6.0		1.7	39	0	1.3	3366	40.4	0.0
Armor	X1426	RR2Y	6.1		2.0	41	1	2.0	3974	40.3	0.0
Southern States	SS 5911N R2	RR2Y	5.9		1.7	44	0	1.0	4042	40.3	0.3
Univ. of Arkansas	Osage	CONV	5.6		2.0	33	0	2.3	3710	39.7	0.0
Southern States	SS 5513N R2	RR2Y	5.5		3.2	46	0	2.0	3218	39.5	0.3
Univ. of Arkansas	R04-1250RR	RR	5.5		3.5	43	0	3.0	2815	39.0	0.7
Armor	55-R22	RR2Y	5.5		2.7	46	0	2.3	2658	38.2	0.0
Progeny	P 5555 RY	RR2Y	5.5		4.0	46	1	2.3	3263	38.2	0.7
Asgrow	AG5533	RR2Y/STS	5.5		3.0	44	0	2.3	3317	37.8	0.3
Montague	MFS-561	CONV	5.6		1.7	36	0	1.3	5340	37.3	1.7
Southern States	SS 5711 R2	RR2Y	5.7		2.2	42	0	2.0	2963	37.3	0.0
Montague	V05-5973W	CONV	5.8		1.5	40	0	1.7	4755	37.0	1.0
Virginia	V08-1924	CONV	5.6		3.2	40	0	2.7	3402	36.7	0.0
Hubner Seed	H53-12R2	RR2Y	5.3		2.3	41	2	3.0	3245	36.6	0.3
RPM	DB5711RR	RR	5.7		2.0	42	0	1.7	3206	36.6	0.0
Stine	58LC23	LL	5.8		2.3	44	1	2.7	3478	36.5	0.3
Virginia	V08-0136	RR	5.6		1.8	33	0	2.3	3572	35.9	0.0
Asgrow	AG5632	RR2Y/STS	5.6		2.0	39	0	1.7	3539	35.5	0.3
DYNA-GRO	39RY57	RR2Y	5.7		2.8	41	1	2.7	2879	34.6	0.0
Progeny	P 5960 LL	LL	5.9		1.2	39	0	2.3	3782	34.6	0.0
T.A. Seeds	EX5559	RR2Y	5.5		3.2	45	1	2.7	3319	34.5	0.3
Southern Harvest	SH 5512 LL	LL	5.5		2.0	42	0	1.3	3425	33.9	0.0
Virginia	V08-0062	RR	5.9		2.5	42	0	2.0	2950	32.6	0.7
Southern Harvest	SH 5912 LL	LL	5.9		1.3	39	0	2.3	3889	31.7	0.3
USDA-ARS	JTN-5110	CONV	5.5		2.7	40	0	4.0	3048	31.7	0.3
LSD (P=.10)					1.0	6	0.9	0.7	262	7.1	0.5
CV					30.4	9.7	148.4	22.3	5.7	13.5	148.3
Grand Mean					2.3	42	0.46	2.2	3380	38.4	0.3

Table 6d. Performance of Full-Season Late Maturity Group V Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Southern States	SS 5513N R2	RR2Y	5.5	10-Oct	2.3	49	3	2.3	2528	85.0	0.0
Southern States	SS 5711 R2	RR2Y	5.7	8-Oct	2.3	46	0	2.7	2534	83.7	0.7
Armor	55-R22	RR2Y	5.5	8-Oct	2.0	41	0	2.7	2276	83.3	0.0
Univ. of Arkansas	UA 5612	CONV	5.3	10-Oct	3.2	40	0	3.0	3038	81.3	0.0
Progeny	P 5610 RY	RR2Y	5.6	9-Oct	1.7	43	0	2.7	2254	80.0	0.0
Progeny	P 5555 RY	RR2Y	5.5	10-Oct	1.7	48	0	2.0	2641	78.3	0.0
T.A. Seeds	EX5559	RR2Y	5.5	10-Oct	1.8	47	0	2.7	2554	78.3	0.0
Hubner Seed	H58-12R2	RR2Y	5.8	10-Oct	1.3	40	0	2.7	2525	77.0	1.0
Southern States	SS 5511N R2	RR2Y	5.5	9-Oct	1.7	46	0	2.7	2196	77.0	0.0
DYNA-GRO	32RY55	RR2Y	5.5	10-Oct	1.7	42	0	2.7	2315	76.0	0.0
Progeny	P 5960 LL	LL	5.9	10-Oct	1.5	40	0	2.3	3026	76.0	0.0
Channel	5805R2	RR2Y	5.8	10-Oct	1.8	42	0	2.7	2283	75.3	0.0
Univ. of Arkansas	R04-1250RR	RR	5.5	9-Oct	2.0	45	0	3.0	2397	75.0	0.0
RPM	DB6012RR	RR	6.0	12-Oct	1.5	45	0	2.0	2746	75.0	0.0
Univ. of Arkansas	Osage	CONV	5.6	8-Oct	1.7	37	0	2.0	3025	74.3	0.0
Southern Harvest	SH 5512 LL	LL	5.5	7-Oct	2.3	41	0	2.3	2840	73.7	0.0
Hubner Seed	H53-12R2	RR2Y	5.3	5-Oct	1.0	37	1	3.0	2785	73.3	0.7
Progeny	P 5711 RY	RR2Y	5.7	8-Oct	2.8	43	1	2.3	2453	73.3	1.0
USG	76522R	RR2Y	6.2	13-Oct	1.5	41	1	2.0	3521	72.7	0.0
Armor	X1425	RR2Y	5.9	13-Oct	1.7	42	0	2.0	3501	72.0	0.0
Armor	X1426	RR2Y	6.1	15-Oct	1.5	41	1	2.0	3457	72.0	0.0
Southern States	SS 5911N R2	RR2Y	5.9	15-Oct	2.2	41	0	1.7	3491	72.0	0.0
RPM	DB5711RR	RR	5.7	12-Oct	2.5	47	0	3.0	2639	70.7	0.0
DYNA-GRO	39RY57	RR2Y	5.7	7-Oct	2.7	43	0	2.3	2435	67.7	1.0
Virginia	V08-1924	CONV	5.6	10-Oct	3.2	42	0	3.0	2735	67.3	0.0
Virginia	V08-0136	RR	5.6	9-Oct	1.7	36	0	2.0	3200	67.0	1.0
USDA-ARS	JTN-5110	CONV	5.5	9-Oct	2.2	41	0	4.0	2515	66.3	1.7
Montague	V05-5973W	CONV	5.8	8-Oct	1.2	36	0	2.0	4117	66.0	0.3
Asgrow	AG5533	RR2Y/STS	5.5	10-Oct	3.3	49	0	2.0	2831	65.7	0.7
Asgrow	AG5632	RR2Y/STS	5.6	12-Oct	1.2	43	0	1.7	3305	65.0	0.0
Montague	MFS-561	CONV	5.6	8-Oct	1.0	36	0	1.3	4654	63.3	1.7
Southern Harvest	SH 5912 LL	LL	5.9	8-Oct	1.2	37	0	2.3	3026	63.3	0.0
Stine	6202-4	RR	6.2	13-Oct	2.2	42	0	2.0	2769	62.0	0.0
Virginia	V08-0062	RR	5.9	9-Oct	2.3	46	0	2.0	2544	61.3	0.3
Stine	58LC23	LL	5.8	12-Oct	2.5	44	0	2.0	2701	57.3	0.0
LSD (P=.10)				2.4	0.7	4	0.5	0.6	169	11.7	0.7
CV				4.3	26.4	6.7	156.7	17.2	4.3	11.9	182.8
Grand Mean				10-Oct	2.0	42	0.24	2.4	2853	72.2	0.3

Table 6e. Performance of Full-Season Late Maturity Group V Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed Stain (%)	Seed Quality (1-5)	Seed Size (no./100)	Yield (bu/acre)	Frogeye Leaf Spot (1-6)
Univ. of Arkansas	Osage	CONV	5.6	7-Oct	3.3	38	0	1.5	3398	78.2	1.0
Progeny	P 5960 LL	LL	5.9	7-Oct	3.6	46	1	1.8	3261	76.1	0.0
DYNA-GRO	32RY55	RR2Y	5.5	8-Oct	3.8	56	2	1.5	2655	76.0	0.0
Progeny	P 5555 RY	RR2Y	5.5	7-Oct	3.9	59	1	1.6	3097	75.7	0.0
Southern Harvest	SH 5912 LL	LL	5.9	6-Oct	3.7	45	1	1.7	3241	75.7	0.0
Stine	6202-4	RR	6.2	16-Oct	4.0	55	0	1.7	2956	74.6	0.0
Southern States	SS 5711 R2	RR2Y	5.7	8-Oct	3.9	52	0	1.6	2887	74.2	0.0
RPM	DB6012RR	RR	6.0	15-Oct	3.4	53	0	1.5	3020	73.7	0.0
Armor	X1426	RR2Y	6.1	16-Oct	3.8	50	2	1.7	3703	72.7	0.0
RPM	DB5711RR	RR	5.7	13-Oct	3.9	60	2	1.7	2780	72.4	0.0
Armor	X1425	RR2Y	5.9	16-Oct	3.9	52	1	1.8	3586	72.2	0.0
Hubner Seed	H58-12R2	RR2Y	5.8	12-Oct	3.5	47	0	1.5	2865	71.9	0.3
Southern States	SS 5513N R2	RR2Y	5.5	8-Oct	3.9	56	1	1.7	3118	71.6	0.3
T.A. Seeds	EX5559	RR2Y	5.5	7-Oct	3.9	54	0	1.5	3235	71.6	0.3
Channel	5805R2	RR2Y	5.8	9-Oct	3.9	49	0	1.5	2672	71.5	0.3
Virginia	V08-0136	RR	5.6	9-Oct	3.7	39	1	1.5	3463	71.4	0.7
USG	76522R	RR2Y	6.2	16-Oct	3.8	56	3	1.9	3564	70.8	0.0
Southern States	SS 5911N R2	RR2Y	5.9	17-Oct	3.9	50	4	1.9	3658	70.7	0.0
Progeny	P 5711 RY	RR2Y	5.7	7-Oct	3.8	49	0	1.6	3097	70.0	0.0
Hubner Seed	H53-12R2	RR2Y	5.3	6-Oct	4.1	43	2	1.8	3078	69.4	0.7
Southern Harvest	SH 5512 LL	LL	5.5	7-Oct	3.9	49	0	1.5	3300	69.3	0.3
Southern States	SS 5511N R2	RR2Y	5.5	8-Oct	3.7	45	1	1.6	2730	69.1	0.0
Univ. of Arkansas	UA 5612	CONV	5.3	11-Oct	4.1	53	2	2.2	3077	68.8	0.0
Asgrow	AG5632	RR2Y/STS	5.6	9-Oct	3.5	48	0	1.6	3614	68.6	0.0
Virginia	V08-0062	RR	5.9	13-Oct	3.6	50	1	1.5	2946	68.5	1.0
Asgrow	AG5533	RR2Y/STS	5.5	7-Oct	4.0	53	0	1.6	3184	67.9	0.3
Armor	55-R22	RR2Y	5.5	9-Oct	4.0	53	1	1.6	2700	67.2	0.0
Stine	58LC23	LL	5.8	6-Oct	3.8	54	0	1.6	3172	66.9	0.0
USDA-ARS	JTN-5110	CONV	5.5	5-Oct	3.9	44	0	1.6	2742	66.9	0.7
Progeny	P 5610 RY	RR2Y	5.6	13-Oct	3.8	50	0	1.5	2645	66.8	0.0
Montague	V05-5973W	CONV	5.8	7-Oct	3.9	42	0	1.5	4536	66.0	1.0
Univ. of Arkansas	R04-1250RR	RR	5.5	9-Oct	4.0	50	1	1.7	2974	64.4	0.3
DYNA-GRO	39RY57	RR2Y	5.7	7-Oct	3.9	50	0	1.5	2965	63.4	0.0
Virginia	V08-1924	CONV	5.6	8-Oct	4.2	49	0	1.9	3059	63.3	0.0
Montague	MFS-561	CONV	5.6	6-Oct	3.4	38	0	1.5	6008	49.7	1.3
LSD (P=.10)				2.42	0.3	8	1.3	0.2	215	7.3	0.4
CV				4.5	5.6	11.4	119.1	9.8	3.9	7.6	130.4
Grand Mean				39.52	3.8	50	0.83	1.6	3228	69.9	0.3

Table 6f. Performance of Double-Crop Late Maturity Group V Entries at Blackstone, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Dyna-Gro	S56RY84	RR2Y	5.6		4.3	52	9	2.3	2959	69.6
Dyna-Gro	32RY55	RR2Y	5.5		3.8	49	8	2.0	2700	67.5
Southern Harvest	SH 5912 LL	LL	5.9		3.3	46	8	2.7	3451	66.2
Southern States	SS 5511N R2	RR2Y	5.5		3.8	47	12	2.0	2587	65.9
Hubner Seed	H55-13R2	RR2Y	5.5		3.2	48	9	2.3	3465	65.7
Progeny	P 5610 RY	RR2Y	5.6		3.3	43	10	2.0	2658	64.4
Asgrow	AG5533	RR2Y/STS	5.5		4.7	48	5	2.3	3190	64.0
Progeny	P 5555 RY	RR2Y	5.5		4.3	53	12	2.3	2985	64.0
Dyna-Gro	39RY57	RR2Y	5.7		3.7	47	9	1.7	2878	62.2
Channel	5805R2	RR2Y	5.8		3.5	47	9	2.0	2613	61.9
NK	S56-G6	RR	5.6		4.0	42	7	1.7	3423	59.4
Southern States	SS 5513N R2	RR2Y	5.5		4.3	51	14	2.0	2953	57.3
Hubner Seed	H58-12R2	RR2Y	5.8		3.2	47	7	2.0	2774	56.3
Asgrow	AG5632	RR2Y/STS	5.6		3.3	47	10	2.0	3460	56.2
Progeny	P 5711 RY	RR2Y	5.7		4.2	48	10	1.7	3041	55.0
Progeny	P 5960 LL	LL	5.9		4.0	46	2	3.0	3613	54.2
Stine	58LC23	LL	5.8		4.7	44	16	2.3	3166	53.4
Southern Harvest	SH 5512 LL	LL	5.5		4.8	44	4	2.0	3413	52.2
RPM	DB5711RR	RR	5.7		4.7	49	10	2.0	2922	51.9
Stine	6202-4	RR	6.2		4.3	51	5	1.3	3086	50.0
USG	75Q52R	RR2Y	5.5		3.8	54	21	2.3	2998	49.7
Virginia	V08-0062	RR	5.9		3.7	47	10	2.0	3106	48.7
USG	75J62R	RR2Y/STS	5.6		3.5	51	13	1.7	3354	48.6
USDA-ARS	JTN-5110	CONV	5.5		4.7	43	6	3.7	2773	48.0
Virginia	V08-0136	RR	5.6		3.8	43	5	2.3	3589	41.5
Montague	V05-5973W	CONV	5.8		4.3	43	5	2.3	4696	40.8
Montague	MFS-561	CONV	5.6		3.0	38	2	2.0	5674	39.3
Virginia	V08-1924	CONV	5.6		5.0	45	6	2.0	3204	34.1
LSD (P=.10)					0.6	6	4.8	0.6	164	10.4
CV					11.3	9.0	40.6	21.2	3.7	13.7
Grand Mean					4.0	47	8.74	2.1	3240	55.3

Table 6g. Performance of Double-Crop Late Maturity Group V Entries at Painter, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Asgrow	AG5632	RR2Y/STS	5.6		2.3	33	0	1.0	3073	61.9
Asgrow	AG5533	RR2Y/STS	5.5		3.8	38	0	1.7	3152	60.4
Progeny	P 5711 RY	RR2Y	5.7		3.3	33	0	1.7	2806	59.5
Southern Harvest	SH 5512 LL	LL	5.5		3.7	34	0	1.3	2898	58.4
USDA-ARS	JTN-5110	CONV	5.5		3.7	36	0	2.0	3062	58.3
Dyna-Gro	39RY57	RR2Y	5.7		3.2	35	0	1.0	2796	57.8
Progeny	P 5610 RY	RR2Y	5.6		3.0	37	0	1.7	2614	57.8
Southern States	SS 5511N R2	RR2Y	5.5		2.8	36	0	1.0	2619	57.8
Hubner Seed	H58-12R2	RR2Y	5.8		2.5	33	0	1.3	2773	57.7
Stine	6202-4	RR	6.2		3.3	35	0	1.0	3167	57.7
Dyna-Gro	S56RY84	RR2Y	5.6		3.3	40	0	1.0	2806	57.5
RPM	DB5711RR	RR	5.7		4.0	38	0	1.3	2968	57.5
Progeny	P 5555 RY	RR2Y	5.5		3.5	39	0	1.0	2915	57.4
USG	75Q52R	RR2Y	5.5		3.5	37	0	1.3	2933	56.2
Stine	58LC23	LL	5.8		3.7	36	0	1.0	3123	56.1
Channel	5805R2	RR2Y	5.8		3.2	37	0	2.3	2593	55.7
Hubner Seed	H55-13R2	RR2Y	5.5		2.7	34	0	1.0	3256	55.3
USG	75J62R	RR2Y/STS	5.6		2.3	35	0	1.0	3136	55.1
NK	S56-G6	RR	5.6		2.5	32	0	1.0	3200	55.0
Dyna-Gro	32RY55	RR2Y	5.5		3.2	36	0	1.3	2507	54.9
Southern States	SS 5513N R2	RR2Y	5.5		3.3	39	0	1.0	2980	54.4
Montague	MFS-561	CONV	5.6		2.7	27	0	1.0	4745	52.7
Virginia	V08-0062	RR	5.9		3.0	36	0	1.0	3093	52.7
Southern Harvest	SH 5912 LL	LL	5.9		3.0	33	0	1.0	3264	51.6
Virginia	V08-1924	CONV	5.6		4.7	33	0	2.0	3159	51.4
Progeny	P 5960 LL	LL	5.9		3.5	35	0	1.0	3320	50.2
Montague	V05-5973W	CONV	5.8		3.5	30	0	1.0	4555	49.5
Virginia	V08-0136	RR	5.6		3.2	30	0	1.0	3517	49.4
LSD (P=.10)					0.5	3	0.2	0.4	114	5.5
CV					11.0	5.7	636.0	25.5	2.7	7.3
Grand Mean					3.2	35	0.02	1.3	3108	55.7

Table 6h. Performance of Double-Crop Late Maturity Group V Entries at Suffolk, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Progeny	P 5555 RY	RR2Y	5.5		2.0	38	0	1.0	2762	83.7
Southern States	SS 5513N R2	RR2Y	5.5		2.0	35	1	1.0	2778	80.6
USG	75Q52R	RR2Y	5.5		1.5	35	0	1.0	2869	77.8
Dyna-Gro	S56RY84	RR2Y	5.6		2.5	36	0	1.3	2778	76.5
NK	S56-G6	RR	5.6		1.5	32	0	1.3	3234	76.4
Asgrow	AG5632	RR2Y/STS	5.6		1.5	31	1	1.0	3210	73.4
Channel	5805R2	RR2Y	5.8		1.7	31	0	1.0	2503	72.6
Southern States	SS 5511N R2	RR2Y	5.5		1.5	31	0	1.0	2644	72.3
Hubner Seed	H55-13R2	RR2Y	5.5		1.5	33	1	1.0	3353	70.7
USDA-ARS	JTN-5110	CONV	5.5		1.5	30	6	3.0	2801	70.4
Asgrow	AG5533	RR2Y/STS	5.5		3.0	36	0	1.3	2973	68.4
Hubner Seed	H58-12R2	RR2Y	5.8		1.7	30	0	1.0	2818	68.4
Virginia	V08-0136	RR	5.6		1.3	27	0	1.0	3295	67.5
Progeny	P 5960 LL	LL	5.9		1.7	31	1	2.0	3248	66.4
Southern Harvest	SH 5512 LL	LL	5.5		1.5	32	2	2.0	3024	66.1
Progeny	P 5610 RY	RR2Y	5.6		1.5	29	0	1.0	2622	65.7
Dyna-Gro	32RY55	RR2Y	5.5		2.0	31	0	1.0	2604	65.1
Southern Harvest	SH 5912 LL	LL	5.9		1.5	32	0	1.7	3145	64.7
Dyna-Gro	39RY57	RR2Y	5.7		2.8	33	1	1.0	2739	64.1
Stine	6202-4	RR	6.2		2.0	38	0	1.0	3136	62.5
Stine	58LC23	LL	5.8		1.7	34	6	2.0	3019	61.8
USG	75J62R	RR2Y/STS	5.6		1.8	42	1	1.7	3114	60.2
RPM	DB5711RR	RR	5.7		2.7	38	0	1.7	2745	59.8
Virginia	V08-0062	RR	5.9		1.7	32	0	1.0	2680	58.8
Progeny	P 5711 RY	RR2Y	5.7		1.8	29	0	1.0	2898	58.0
Montague	V05-5973W	CONV	5.8		1.2	23	3	1.7	4372	54.7
Montague	MFS-561	CONV	5.6		1.2	24	1	1.3	4997	51.9
Virginia	V08-1924	CONV	5.6		1.8	30	1	1.7	3173	51.4
LSD (P=.10)					0.6	4	1.7	0.5	144	7.0
CV					22.4	8.6	136.3	24.4	3.5	7.7
Grand Mean					1.8	32	0.89	1.4	3055	66.8

Table 6i. Performance of Double-Crop Late Maturity Group V Entries at Warsaw, VA, 2013

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (inches)	P Seed	Seed	Seed Size (no./100)	Yield (bu/acre)
							Stain (%)	Quality (1-5)		
Asgrow	AG5632	RR2Y/STS	5.6	8-Nov	2.5	41	0	1.2	3499	53.7
Asgrow	AG5533	RR2Y/STS	5.5	7-Nov	3.0	43	0	1.4	3202	53.0
Dyna-Gro	S56RY84	RR2Y	5.6	7-Nov	3.2	44	0	1.3	3114	51.6
Southern Harvest	SH 5512 LL	LL	5.5	7-Nov	2.2	39	0	1.2	3311	51.5
USDA-ARS	JTN-5110	CONV	5.5	2-Nov	2.8	39	0	1.4	3180	50.8
Progeny	P 5555 RY	RR2Y	5.5	7-Nov	3.0	46	0	1.2	3159	49.9
USG	75J62R	RR2Y/STS	5.6	7-Nov	2.5	38	0	1.3	3313	48.2
Hubner Seed	H55-13R2	RR2Y	5.5	8-Nov	2.5	39	0	1.2	3573	47.9
RPM	DB5711RR	RR	5.7	8-Nov	3.5	43	0	1.3	3212	47.9
Dyna-Gro	39RY57	RR2Y	5.7	8-Nov	3.2	43	0	1.2	3018	47.8
Channel	5805R2	RR2Y	5.8	8-Nov	3.0	40	0	1.3	2866	47.1
Progeny	P 5960 LL	LL	5.9	7-Nov	3.0	40	0	1.3	3545	47.0
Dyna-Gro	32RY55	RR2Y	5.5	8-Nov	2.5	41	0	1.2	2795	46.8
Southern States	SS 5511N R2	RR2Y	5.5	9-Nov	2.5	39	0	1.2	3038	46.0
Stine	58LC23	LL	5.8	5-Nov	3.0	40	1	1.3	3304	46.0
Progeny	P 5711 RY	RR2Y	5.7	8-Nov	2.8	39	0	1.2	2974	45.3
Southern Harvest	SH 5912 LL	LL	5.9	7-Nov	2.2	38	0	1.3	3438	45.2
Montague	MFS-561	CONV	5.6	3-Nov	2.2	33	0	1.2	5511	45.0
Southern States	SS 5513N R2	RR2Y	5.5	8-Nov	3.0	41	0	1.2	3158	45.0
Stine	6202-4	RR	6.2	9-Nov	3.5	40	0	1.2	3353	43.8
Progeny	P 5610 RY	RR2Y	5.6	8-Nov	2.5	40	0	1.2	2838	43.2
Montague	V05-5973W	CONV	5.8	3-Nov	2.8	35	0	1.3	4990	42.9
Virginia	V08-0062	RR	5.9	8-Nov	2.2	38	0	1.3	3389	42.6
USG	75Q52R	RR2Y	5.5	8-Nov	3.2	44	0	1.2	3202	42.3
Hubner Seed	H58-12R2	RR2Y	5.8	8-Nov	3.0	37	0	1.2	3088	42.2
NK	S56-G6	RR	5.6	7-Nov	2.5	36	0	1.2	3526	40.6
Virginia	V08-0136	RR	5.6	6-Nov	3.2	35	0	1.2	3867	39.6
Virginia	V08-1924	CONV	5.6	6-Nov	4.5	39	0	1.2	3438	37.7
LSD (P=.10)				1.2	.	3	0.4	0.2	151	4.2
CV				1.4	.	5.2	916.5	8.6	3.3	6.7
Grand Mean				7-Nov	.	40	0.04	1.3	3389	46.1