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VIRGINIA SOYBEAN PERFORMANCE TESTS 2016

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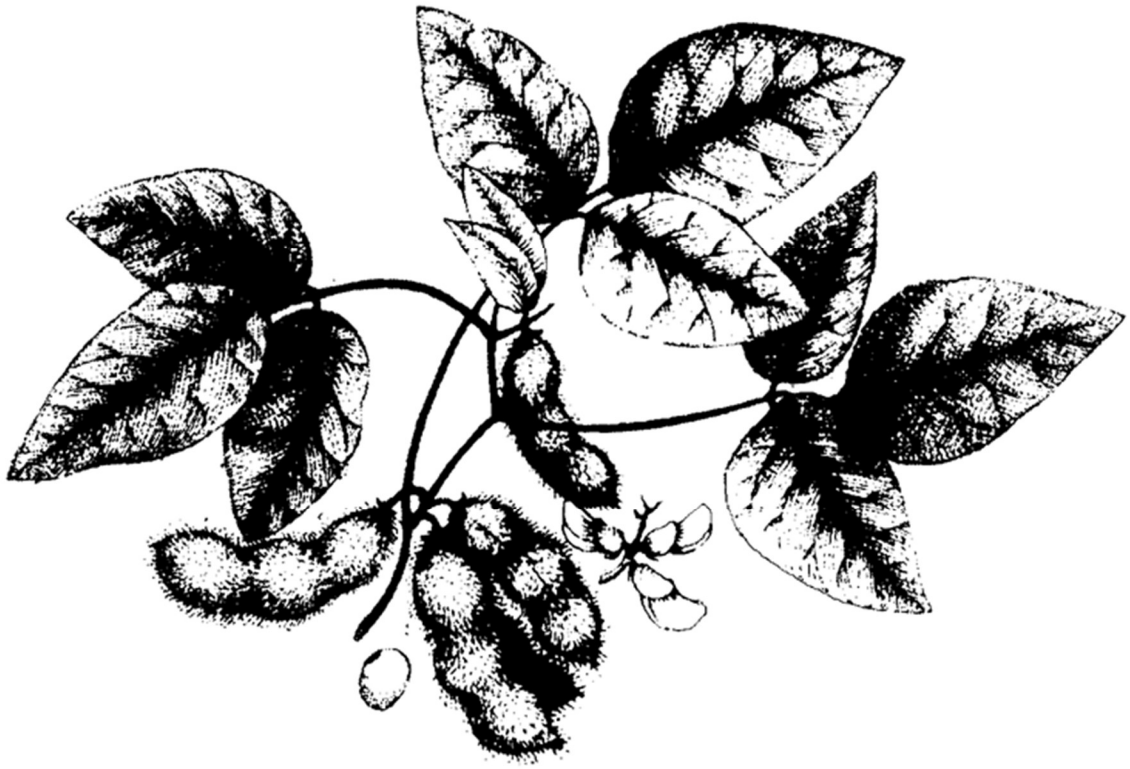

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Virginia Cooperative Extension

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. Some varieties are entered at the request of Virginia soybean farmers. Performance tests were conducted under full-season (May-planted) and/or double-crop (planted 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. A fungicide seed treatment was used on all seed. Seeding rates were the equivalent to 165,000 seed per acre in full-season tests and 220,000 seed per acre in double-crop tests. All tests were maintained weed free with preemergence and/or postemergence herbicides and hand weeding. Insecticides were applied if insect pests approach economic thresholds. Fungicides were applied if disease was present and conditions were favorable for further disease progress. Tests were harvested as near to the date of first harvest maturity as work schedules and weather would permit. Plots were end-trimmed to prevent alley effects. The interior rows of all plots were harvested with a small-plot combine equipped with weigh scales, moisture meter, and on-board computer. A small seed sample was collected from each plot to evaluate seed characteristics. Data were collected using the following methods:

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

Lodging was visually estimated using a 1 to 5 scale according to the following criteria:
1.0 = almost all plants erect
2.0 = either all plants leaning slightly, or a few plants down
3.0 = either all plants leaning moderately (45^{o} angle), or 25 to 50% down
4.0 = either all plants leaning considerably or 50 to 80% down
5.0 = all plants down

Plant Height was determined at maturity (R8) 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 may represent *Phomopsis* seed decay or other seed disease. 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 (bushels/acre) was measured as pounds or grams per plot, adjusted to 13% moisture, and then converted to bushels per acre. A bushel weight of 60 pounds (at 13% moisture) was used to determine yield.

The experimental design was a randomized complete block design with three replications per site. Due to the number of entries, it was necessary to separate the varieties by maturity in all locations. To facilitate field operations and to allow for more accurate comparison, maturity group IV and V varieties were separated into early (RMG 4.0-4.6; 5.0-5.4) and late (RMG 4.7-4.9; 5.5-5.9) tests. Data were subjected to analysis of variance and means were separated with Fisher's Protected LSD test ($p = 0.10$).

INTERPRETING THE RESULTS

Tables 1a-1i 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 information that is more reliable. Not all varieties are tested in full-season and double-crop systems. Therefore, one should not use averages across full-season and double-crop systems to compare varieties. Varieties are ranked by average 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 significantly different. The coefficient of variation (CV) is a relative measure of variation and is an indicator of the degree of precision associated with the test. 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	5/16	No-Till	Dual II Mag, Sonic	5/16	Baythroid/ Stratego-yld 8/9	Caroline sandy loam	15″	5	4	17'
Orange-FS	5/20	No-Till	Dual II Mag Sonic Select	5/20 7/29	None	Davidson clay loam	15″	5	4	17'
Painter-FS	6/8	No-Till	Dual II Mag, Tricor DF Reflex, First Rate	6/10 8/26 7/20	Bifenthrin	Bojac sandy loam	15″	5	4	17'
Suffolk-FS	5/26	Conv.	Dual II Mag, Sonic Select	5/26 7/7	Beseige/ Stratego-yld 8/12	Dragston fine sandy loam / Eunola loamy fine sand	15″	5	4	17'
Warsaw-FS	6/9	Conv.	Medal II, First Rate	5/26	Tombstone 7/7, 8/26	Kempsville loam	30″	4	2	12'
Blackstone-DC	6/30	No-Till	Dual II Mag, Canopy	6/30	None	Cecil sandy loam	15″	5	4	17'
Orange-DC	6/14	No-Till	Dual II Mag Canopy Select Reflex	6/14 7/20 7/29	None	Hiwassee loam	15″	5	4	17'
Painter-DC	7/11	No-Till	Dual II Mag Tricor DF Basagran Select	7/12 8/14 8/26	Bifenthrin 10/5	Bojac sandy loam	15″	5	4	17'

Suffolk-DC	6/21	No-Till	Dual II Mag, Canopy Basagran, Reflex Basagran, First Rate	6/23 7/25 8/15	Beseige 8/15	Dragston fine sandy loam	15″	5	4	17'
Warsaw-DC	6/30	No-Till	Medal II Ultra Blazer	6/29 8/4	Tombstone 8/26	Kempsville loam	7.5″	5	5	12'

MONTHLY PRECIPITATION (INCHES) AND AVERAGE RAINFALL

MAY - OCTOBER

Location		May	June	July	Aug.	Sept.	Oct.	Total
Blackstone	2016	8.72	3.92	7.22	.83	4.73	5.44	30.86
	64-yr Avg.	3.90	3.90	4.72	4.11	3.96	3.41	24.00
Orange	2016	6.39	5.85	5.60	2.68	3.22	1.47	25.21
	75-yr. Avg.	3.93	3.82	4.34	3.82	3.84	3.52	23.27
Painter	2016	7.91	4.73	6.23	1.73	9.09	7.17	36.86
	76-yr Avg.	3.43	3.76	4.56	4.31	4.40	3.62	24.08
Suffolk	2016	8.31	3.49	8.48	2.47	12.24	10.16	45.15
	82-yr. Avg.	3.93	4.22	3.54	5.70	4.41	3.60	25.40
Warsaw	2016	9.07	3.73	4.29	1.89	5.33	4.02	28.33
	48-yr Avg.	4.14	3.99	4.19	4.40	4.31	3.46	24.49

SUPPLIERS OF SOYBEAN VARIETIES TESTED		
SUPPLIER	BRAND	VARIETIES
Armor Seed 183 Pennsylvania Ave. Waldenburg, AR 72475	Armor	50-R44, 55-R22, 55-R68
Asgrow 14806 Harrisville Rd. Mt. Airy, MD 21771	Asgrow	AG4135, AG44X6, AG45X6, AG46X6, AG47X6, AG4835, AG49X6, AG5335, AG53X6, AG54X6,AG5533
Bayer Crop Science 1502 Clarksville Dr. Scotland Neck, NC 27874	CZ	3560RY, 3737LL, 3841LL, 3945LL, 3991RY, 4044LL, 4105LL, 4181RY, 4222LL, 4540LL, 4590RY, 4656RY, 4748LL, 4818LL, 4898RY, 4959RY, 5147LL, 5225LL, 5375RY, 5445LL
Channel Bio 800 N. Lindbergh Blvd. St. Louis, MO 63167	Channel	4616R2X/SR,4916R2X/SR
Coastal AgroBusiness PO Box 856 Greenville, NC 27835	Stine	48LI32, 48RI02, 48RI23, 49LI02, 51LI32, 51RH20, 52LI20, 54LE23, 55RI02
Crop Production Services 1140 Sweet Road East Aurora, NY 14052	Dyna-Gro	S31RY45, S42RY77, S43RY95, S43XS27, S46XS87, S48RS53, S48XT56, S49XS76, S52RS86, S52RY75, S56RY84
Doebler's PA Hybrids Inc. 202 Tiadaghton Avenue Jersey Shore, PA 17740	Doeblers	DB3517R, DB3817R, DB4715RR, DB5317SR, DB5416R, DB5710RR
Dupont Pioneer 59 Greif Parkway, Suite 200 Delaware, OH 43015	Pioneer	P39T67R, P46T21R, P48T53R, P49T09BR, P50T15BR, P52T50R, P52T86, P53T73SR, P55T81R
Growmark FS, LLC 1571 Blackiston Church Rd. Clayton, DEL 19938	Growmark FS-HiSoy	HS44T60, HS46X60, HS52T60
Meherrin Ag & Chemical Co 413 Main St. Severn, NC 27877	Southern Harvest	SH3814LL, SH4817LL, SH5215LL, SH5515LL, SH5915LL, SH6515LL
Mid-Atlantic Seeds 204 ST. Charles Way 163E York, PA 17403	Mid-Atlantic	MAS3855RR2/STS/X, MAS4355RR2/STS, MAS4411RR2/STS/X, MAS4416RR2/STS/X, MAS4535RR2/STS/X
Mycogen Seeds 300 Pine Tree Road Selma, NC 27375-8424	Mycogen Seeds	5N523R2, 5N550R2
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny	P4516RXS, P4588RY, P4613RYS, P4620RXS, P4757RY, P4788RY, P4799RXS, P4816RX, P4944RX, P5016RXS, P5226RYS, P5289RYS, P5414LLS, P5417RX, P5555RY, P5752RY, P5768RX

Southern States Coop 6606 W Broad St Richmond, VA 23230	Southern States	SS4215NSR2, SS4216NX, SS4417NSX, SS4714NSR2, SS4717NSX, SS4725NSR2, SS4915NSR2, SS4917NR2, SS4918NX, SS5016NSX, SS5215NSR2
Syngenta Seeds, Inc. 11055 Wayzata Blvd Minnetonka, MN 55305	NK	S39-C4, S42-P6, S45-R7, S45-W9, S47-K5, S52-Y2, S56-G6, S56-M8, S67-B7
T.A. Seeds 39 Seeds Lane Jersey Shore, PA 17740	T.A. Seeds	TS3966R2XS, TS4276R2XS, TS4669R2, TS4869R2S
Tidewater Seed 210 Marlbaro Ave. Easton, MD 21601	Axis	4817NRXS, 5016NRXS, 5417NRX
UniSouth Genetics, Inc. 3205C Hwy 46 S Dickson, TN 37055	USG	73P93R, 7447XTS, 7477XTS, 7487XTS, 7496XTS, 74A92R, 74F24RS, 74K95RS, 7506XTS, 7547XT, 7553nRS, 75B75R, 75J45R, 75J90R, 75T40, ELLIS
University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	University of Arkansas	UA 5014C, UA 5612, UA 5213C, R07-6614RR, R09-430, R10-230
USDA-ARS 605 Airways Blvd Jackson, TN 38301	USDA-ARS	JTN-5110
Virginia Tech 509 Latham Hall Blacksburg, VA 24060	Virginia	V10-0262, V11-2187, V11-3485, V12-0045R2, V12-0063R2, V12-0253R2, V12-0963, V12-1048, V12-1376, V12-1416

Table 1a. Yield summaries of early maturity group IV entries.

				Full-Season				
Brand	Variety	Herb Resist	Relative Maturity	ORG	PTR	WAR	AVG	Avg Rel Yield
Doeblers	RPM DB3517R	RR	3.5	59.8	35.9	29.6	41.8	108
CZ	3841 LL	LL	3.8	71.4	33.2	24.8	43.1	105
CZ	3991 RY	RR2Y	3.9	58.7	36.0	27.8	40.8	105
CZ	3945 LL	LL	3.9	58.1	38.9	25.6	40.9	105
Pioneer	P39T67R	RR	3.9	61.6	34.0	27.6	41.1	104
T.A. SEEDS	TS3966R2XS	RR2X/STS	3.9	62.2	29.0	29.7	40.3	102
Southern Harvest	SH 3814 LL	LL	3.8	67.4	30.0	26.3	41.2	102
USG	73P93R	RR2Y	3.9	61.1	32.8	26.5	40.1	101
Mid-Atlantic	MAS3855RR2/STS/X	RR2X/STS	3.8	57.8	26.1	32.1	38.7	100
CZ	3560 RY	RR2Y	3.5	60.4	34.3	20.3	38.3	95
Doeblers	RPM DB3817R	RR	3.8	60.7	29.3	22.8	37.6	93
CZ	3737 LL	LL	3.7	63.1	29.9	20.3	37.8	91
LSD P=.10				7.1	5.4	5.6		
CV				8.2	12.2	15.4		
Grand Mean				61.9	31.6	26.1	40.1	

Table 1b. Yield summaries of early maturity group IV entries.

				Full-Season							Double-Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	AVG	.	BLK2	ORG3	PTR4	SUF5	WAR6	AVG	AVG	Avg Rel Yield
GFS-HISOY	HS44T60	RR2Y/STS	4.4								47.4	33.9	46.3	61.9	43.7	46.6	46.6	114
USG	74F24RS	RR2Y/STS	4.2	45.6	86.4	39.0	75.4	34.7	56.2		44.4	36.2	41.1	72.9	38.0	46.5	51.4	112
Hubner	H42-13R2	RR2Y	4.2	55.9	80.4	35.3	79.4	29.2	56.0								56.0	109
NK	S45-R7	RR2Y/STS	4.5								41.2	34.8	40.2	62.0	44.2	44.5	44.5	109
Dyna-Gro	S46XS87	RR2X/STS	4.6	49.5	77.8	39.2	84.8	35.2	57.3		46.1	28.5	44.2	56.0	36.9	42.3	49.8	108
Progeny Ag	P 4516RXS	RR2X/STS	4.5								41.8	29.3	42.5	67.8	41.8	44.6	44.6	108
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	46.5	74.8	34.4	75.2	32.7	52.7		49.7	29.7	42.2	53.9	48.1	44.7	48.7	107
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	57.3	73.3	29.4	87.4	33.7	56.2		39.3	30.7	37.6	64.2	43.0	43.0	49.6	107
Asgrow	AG46X6	RR2X	4.6	53.9	83.6	34.3	83.6	30.9	57.3		46.2	28.2	36.9	55.6	43.5	42.1	49.7	107
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	46.7	87.1	29.2	76.2	29.7	53.8		43.8	29.0	43.6	61.8	49.4	45.5	49.7	107
T.A. SEEDS	TS4669R2	RR2Y	4.6	47.7	71.8	40.0	71.3	31.5	52.5								52.5	106
Southern States	SS 4417NS X	RR2X/STS	4.4	54.2	83.8	28.5	70.0	32.5	53.8								53.8	105
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	53.9	74.9	35.0	72.4	35.6	54.4		39.6	27.4	36.6	59.6	42.9	41.2	47.8	104
Progeny Ag	P 4613RYS	RR2Y/STS	4.6								42.8	31.0	34.1	65.6	40.9	42.9	42.9	104
Dyna-Gro	S43XS27	RR2X/STS	4.3	47.3	76.0	29.3	77.3	33.9	52.8								52.8	103
Asgrow	AG45X6	RR2X/STS	4.5	45.1	69.2	29.6	72.2	34.9	50.2		49.6	32.9	35.0	56.3	42.4	43.2	46.7	103
Dyna-Gro	S43RY95	RR2Y	4.3	44.8	73.7	32.0	78.2	31.7	52.1		36.6	26.2	44.0	64.0	44.5	43.1	47.6	103
Asgrow	AG44X6	RR2X	4.4	53.3	72.5	30.2	77.9	31.6	53.1		41.6	26.4	38.0	60.3	42.7	41.8	47.5	102
USG	7447XTS	RR2X/STS	4.4	42.3	77.5	28.4	76.4	31.8	51.3		45.1	24.4	41.9	64.8	42.9	43.8	47.6	102
Progeny Ag	P 4620RXS	RR2X/STS	4.6								39.8	31.9	36.3	58.5	42.0	41.7	41.7	102
Southern Harvest	SH 3814 LL	LL	3.8								46.6	37.6	30.8	55.1	34.9	41.0	41.0	101
Dyna-Gro	31RY45	RR2Y	4.5								42.7	22.4	42.6	56.9	45.8	42.1	42.1	101
CZ	4656 RY	RR2Y	4.6	46.7	69.8	36.0	74.6	31.0	51.6		47.7	22.2	38.7	54.1	44.3	41.4	46.5	101
CZ	4540 LL	LL	4.5	36.0	71.1	38.1	77.6	32.7	51.1		41.9	28.4	37.9	50.1	45.4	40.7	45.9	101
NK	S45-W9	RR2Y	4.5	49.3	61.4	31.9	76.0	33.1	50.3								50.3	101
Asgrow	AG4135	RR2X/STS	4.1	52.2	74.8	29.9	63.4	29.4	49.9		46.7	31.7	38.2	61.8	31.7	42.0	46.0	100
Progeny Ag	P 4588RY	RR2Y	4.5								42.9	28.2	38.7	53.3	42.0	41.0	41.0	100
Channel	4616R2X/SR	RR2X/STS	4.6	48.5	81.9	34.5	69.2	31.4	53.1		44.3	26.1	34.4	63.9	30.8	39.9	46.5	100
Pioneer	P39T67R	RR	3.9	55.3	73.7	31.6	59.7	29.9	50.0								50.0	100
NK	S39-C4	RR2Y	3.9								43.4	31.8	33.9	55.7	37.4	40.4	40.4	99
CZ	4044 LL	LL	4.0	47.1	58.4	39.7	63.6	29.6	47.7								47.7	98
CZ	4590 RY	RR2Y	4.5	51.4	68.9	29.7	77.4	27.3	50.9		45.4	27.0	37.6	48.3	39.6	39.6	45.3	98
Pioneer	P46T21R	RR	4.6	49.5	75.7	30.4	67.4	27.8	50.2		45.8	23.9	33.2	62.7	36.6	40.4	45.3	97
Southern States	SS 4215NS R2	RR2X/STS	4.2	44.4	76.9	30.5	69.9	27.8	49.9								49.9	97
Southern States	SS 4216N X	RR2X	4.2	47.5	70.2	29.6	68.8	29.7	49.2								49.2	97
CZ	4181 RY	RR2Y/STS	4.1	49.9	67.0	30.9	67.4	28.4	48.7								48.7	96
Dyna-Gro	S42RY77	RR2Y	4.2	46.4	67.3	32.4	62.3	30.2	47.7								47.7	96

Table 1b. Yield summaries of early maturity group IV entries.

				Full-Season							Double-Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	AVG	.	BLK2	ORG3	PTR4	SUF5	WAR6	AVG	AVG	Avg Rel Yield
NK	S42-P6	RR2Y	4.2	45.8	58.8	27.2	71.0	31.0	46.8								46.8	93
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2	40.7	59.6	31.3	64.8	31.2	45.5								45.5	92
CZ	4222 LL	LL	4.2	43.5	58.5	30.2	64.6	23.5	44.1								44.1	87
CZ	4105 LL	LL	4.1	40.8	59.1	28.4	58.8	28.5	43.1								43.1	86
Virginia Tech	V11-2187	Conv	4.2	22.9	72.8	26.9	60.2	25.7	41.7		46.6	24.7	30.4	44.9	34.8	36.3	39.0	84
LSD P=.10				9.2	11.5	6.0	10.2	4.7			6.9	6.3	5.3	8.1	7.6			
CV				14.3	11.7	14.0	10.4	11.2			11.9	16.1	10.1	11.0	13.5			
Grand Mean				47.3	72.4	31.6	72.0	30.9	50.8		42.5	28.7	38.4	54.2	41.1	41.0	47.0	

Table 1c. Yield summaries of late maturity group IV entries.

				Full-Season							Double-Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	AVG	.	BLK	ORG	PTR	SUF	WAR	AVG	AVG	Avg Rel Yield
GFS-HISOY	HS52T60	RR2Y/STS	5.2								51.9	32.6	40.0	61.9	58.8	49.0	49.0	109
Stine	49LH02	LL	4.9	46.4	94.2	37.4	92.2	57.9	65.6								65.6	108
USG	7477XTS	RR2X/STS	4.7	48.9	84.8	38.8	92.1	51.4	63.2		54.5	30.1	44.2	57.9	50.7	47.5	55.3	106
GFS-HISOY	HS46X60	RR2Y/STS	4.6								49.2	31.9	45.0	54.4	56.5	47.4	47.4	106
Axis	4817NRXS	RR2X/STS	4.8	55.2	80.3	35.4	86.8	59.5	63.4		49.4	30.7	45.4	53.6	57.0	47.2	55.3	106
Dyna-Gro	S49XS76	RR2X/STS	4.9	53.3	76.8	32.9	92.1	60.7	63.2		49.9	33.4	42.8	50.7	57.5	46.9	55.0	106
Southern States	SS 4717NS X	RR2X/STS	4.7	45.9	82.5	35.6	90.5	62.0	63.3		47.9	30.9	44.0	55.4	56.4	46.9	55.1	105
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8	45.6	95.0	36.0	81.6	59.0	63.4								63.4	105
Channel	4916R2X/SR	RR2X/STS	4.9	56.3	86.1	31.7	79.5	62.6	63.2		48.7	35.2	40.4	49.8	54.7	45.8	54.5	105
Hubner	H48-13R2/STS	RR2Y/STS	4.8	51.2	94.5	37.1	85.6	52.8	64.2		45.5	31.5	40.9	62.2	51.9	46.4	55.3	105
USG	74K95RS	RR2Y/STS	4.9	46.7	88.3	36.3	87.8	61.7	64.2		46.8	28.6	44.5	55.4	54.0	45.9	55.0	105
Asgrow	AG49X6	RR2X	4.9	47.5	83.2	38.5	83.6	51.7	60.9		48.3	33.1	47.0	55.4	53.3	47.4	54.2	105
Stine	48LI32	LL	4.8	50.3	80.3	34.7	84.6	55.7	61.1		45.1	34.7	47.4	54.5	58.0	47.9	54.5	105
Dyna-Gro	S48RS53	RR2Y/STS	4.8	50.3	91.1	34.9	83.7	55.0	63.0		45.2	29.2	45.4	55.9	57.8	46.7	54.9	104
Southern States	SS 4915NS R2	RR2Y/STS	4.9	47.1	84.1	36.5	86.4	57.9	62.4		49.4	30.1	41.1	53.9	55.2	45.9	54.2	104
USG	7496XTS	RR2X/STS	4.9	47.9	75.9	35.6	85.7	57.9	60.6		46.2	32.5	44.9	54.5	57.9	47.2	53.9	104
Asgrow	AG47X6	RR2X/STS	4.7	55.3	80.5	39.4	81.7	48.8	61.1		49.1	34.1	37.9	53.9	51.1	45.2	53.2	103
Southern States	SS 4725NS R2	RR2Y/STS	4.7	46.2	75.9	38.9	91.3	55.1	61.5								61.5	103
Progeny Ag	P 4757RY	RR2Y	4.7								46.2	31.5	43.0	56.1	52.3	45.8	45.8	103
Mid-Atlantic	MAS4535RR2/ST	RR2X/STS	4.5								46.0	31.9	46.0	56.9	46.8	45.5	45.5	103
Stine	48RI23	RR2Y	4.8	48.3	88.6	30.6	78.8	51.5	59.6		47.8	30.5	48.1	57.2	54.4	47.6	53.6	102
Asgrow	AG4835	RR2Y/STS	4.8	47.7	89.4	38.2	85.8	59.9	64.2		38.5	32.1	40.4	56.0	54.4	44.3	54.2	103
Southern States	SS 4917N R2	RR2Y	4.9	49.6	73.9	37.0	81.4	60.0	60.4								60.4	103
USG	7487XTS	RR2X/STS	4.8	45.5	89.0	33.7	87.8	56.8	62.6		40.3	30.9	46.2	55.5	56.3	45.8	54.2	103
Stine	48RI02	RR2Y/STS	4.8	39.5	88.3	33.5	84.0	61.2	61.3								61.3	101
USG	ELLIS	Conv	4.9	42.2	79.7	37.0	86.5	60.6	61.2		43.0	31.7	44.5	44.7	56.1	44.0	52.6	101
Progeny Ag	P 4944RX	RR2X	4.9								41.9	31.0	42.0	56.6	55.7	45.4	45.4	102
NK	S47-K5	RR2Y	4.7	51.4	84.8	34.2	76.0	49.7	59.2								59.2	99
Progeny Ag	P 4788RY	RR2Y	4.7								44.8	30.3	40.8	51.9	51.4	43.8	43.8	99
Southern Harvest	SH 4817 LL	LL	4.8	50.6	82.4	37.4	71.4	56.3	59.6		37.1	32.6	41.3	53.1	55.7	44.0	51.8	100
Southern States	SS 4918N X	RR2X/STS	4.9	49.7	82.3	34.5	79.1	48.3	58.8		47.2	27.2	35.6	52.1	55.8	43.6	51.2	98
Dyna-Gro	S48XT56	RR2X	4.8	54.0	81.3	36.3	71.9	46.6	58.0								58.0	99
Doeblers	RPM DB4715RR	RR	4.7	45.0	79.5	33.1	70.4	51.2	55.8		45.1	30.5	41.6	59.2	53.6	46.0	50.9	98
Southern States	SS 4714NS R2	RR2Y/STS	4.7	48.7	71.6	35.8	79.4	53.6	57.8								57.8	98

Table 1c. Yield summaries of late maturity group IV entries.

				Full-Season						Double-Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	PTR	SUF	WAR	AVG	AVG	Avg Rel Yield
Progeny Ag	P 4799RXS	RR2X/STS	4.7							45.2	30.6	38.7	49.2	51.4	43.0	43.0	97
CZ	4656 RY	RR2Y	4.6	49.0	86.6	32.5	78.0	46.2	58.5							58.5	97
Pioneer	P49T09BR	BOLT, RR	4.9							44.8	33.8	34.6	49.1	50.0	42.5	42.5	96
Pioneer	P48T53R	RR	4.8	53.0	81.3	33.8	61.0	59.7	57.8	43.8	30.4	35.8	53.0	47.8	42.2	50.0	97
USG	74A92R	RR2Y	4.9	52.7	78.0	34.4	73.8	53.2	58.4	39.5	27.4	39.3	52.9	55.2	42.9	50.6	97
CZ	4959 RY	RR2Y	4.9	51.1	66.6	33.9	80.0	50.8	56.5	40.7	26.8	41.7	52.3	51.7	42.6	49.6	95
CZ	4898 RY	RR2Y	4.8	43.1	80.3	37.3	64.0	55.5	56.0	39.0	30.0	41.9	47.9	54.3	42.6	49.3	96
Virginia Tech	V12-0253R2	RR2Y	4.8	46.3	77.9	33.3	54.7	59.7	54.4	39.9	31.4	41.1	39.7	53.9	41.2	47.8	93
Progeny Ag	P 4816RX	RR2X	4.8							40.1	20.8	35.5	57.1	57.7	42.2	42.2	92
CZ	4748 LL	LL	4.7	45.0	57.9	31.7	77.9	51.2	52.7	41.7	31.7	38.0	43.6	50.2	41.0	46.9	91
CZ	4818 LL	LL	4.8	39.7	71.9	25.7	72.1	53.2	52.5	35.3	26.6	36.2	44.3	51.9	38.9	45.7	87
Virginia Tech	V12-0963	RR	4.6	41.1	64.5	28.3	59.3	44.3	47.5	35.3	27.1	30.5	43.2	43.8	36.0	41.7	81
LSD P=.10				9.4	11.0	5.7	11.7	10.1		8.8	6.1	5.1	7.8	5.1			
CV				14.3	10.0	12.1	10.9	13.6		14.7	14.7	9.0	10.7	6.9			
Grand Mean				48.2	80.9	34.7	79.2	55.0	59.6	44.2	30.5	41.5	53.3	53.6	44.6	52.4	

Table 1d. Yield summaries of early maturity group V entries.

				Full-Season						Double-Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	PTR	SUF	WAR	AVG	AVG	Avg Rel Yield
Mycogen Seeds	5N523R2	RR2Y	5.2	49.1	70.3	41.6	72.5	48.6	56.4	47.7	43.1	47.7	58.7	61.9	51.8	54.1	111
GFS-HISOY	HS52T60	RR2Y/STS	5.2							48.5	44.8	45.7	60.1	60.8	52.0	52.0	111
Progeny Ag	P 5226RYS	RR2Y/STS	5.2							44.1	44.3	50.3	59.5	60.9	51.8	51.8	111
Dyna-Gro	S52RS86	RR2Y/STS	5.2	55.7	69.3	41.9	65.8	39.2	54.4	48.5	37.2	51.3	55.3	63.9	51.2	52.8	109
Armor	55-R68	RR2Y	5.5	53.9	65.5	36.3	69.0	50.3	55.0	41.3	43.8	45.1	55.7	58.1	48.8	51.9	107
Southern States	SS4714NSR2	RR2X/STS	4.7	51.0	66.5	37.7	58.6	51.0	53.0							53.0	106
Asgrow	AG5335	RR2Y/STS	5.3	51.7	64.3	33.6	64.1	55.5	53.8	43.8	43.5	45.7	54.7	57.6	49.1	51.5	106
Pioneer	P50T15BR	BOLT/RR	5.0	42.8	70.1	38.8	58.5	61.0	54.2	47.9	40.4	39.3	58.0	56.1	48.3	51.3	106
USG	7506XTS	RR2X/STS	5.0	53.0	70.4	30.6	66.3	52.2	54.5	44.0	41.0	45.5	56.5	57.8	49.0	51.7	106
Armor	55-R22	RR2Y	5.5	48.9	77.5	35.4	60.1	50.0	54.4	41.2	46.8	44.8	52.1	55.5	48.1	51.2	105
Stine	51LI32	LL	5.1	54.0	69.5	36.3	68.4	38.4	53.3							53.3	105
Southern Harvest	SH 5215 LL	LL	5.2	47.8	62.8	36	76.1	41.1	52.8	43.4	40.5	46.5	57.9	59.8	49.6	51.2	105
Progeny Ag	P 5016RXS	RR2X/STS	5.0							43.3	40.1	46.2	55.6	60.0	49.0	49.0	105
Southern States	SS 5016NS X	RR2X/STS	5.0	47.1	64.7	36.3	70.6	45.9	52.9	44.9	41.9	41.5	58.8	50.6	47.5	50.2	103
Dyna-Gro	S52RY75	RR2Y	5.2							42.1	38.9	51.2	52.5	56.7	48.3	48.3	103
Stine	54LE23	LL	5.4	46.0	56.6	42.7	69.0	41.5	51.2							51.2	103
USG	75J45R	RR2Y	5.4	44.2	66.9	35.2	63.2	44.8	50.9	46.6	42.1	44.5	53.2	57.1	48.7	49.8	102
Southern States	SS 5215NS R2	RR2Y/STS	5.2	56.9	77.4	32.7	68.7	35.6	54.3	42.9	35.3	43.5	53.3	58.1	46.6	50.4	102
CZ	5147 LL	LL	5.1	40.1	66.5	37.2	62.0	47.4	50.6	43.8	42.2	49.1	50.0	57.7	48.6	49.6	102
Axis	5016NRXS	RR2X/STS	5.0	41.5	70.0	38.9	62.0	41.1	50.7	50.0	43.4	38.9	49.4	62.0	48.7	49.7	102
Stine	51RH20	RR2Y	5.1	48.4	69.2	35.6	69.0	32.1	50.9	43.7	42.7	41.6	56.0	55.8	48.0	49.4	101
University of Arkansas	R09-430	Conv	5.1	42.0	72.6	34.6	65.5	42.3	51.4							51.4	101
Pioneer	P52T50R	RR	5.2	57.6	68.2	29.2	68.0	45.0	53.6	41.4	39.3	38.9	46.1	57.6	44.7	49.1	100
NK	S52-Y2	RR2Y	5.2	53.2	73.1	32.7	74.8	25.9	51.9							51.9	100
Stine	52LI20	LL	5.2	39.4	62.2	37.8	64.2	48.0	50.3	40.1	38.5	46.1	51.4	57.0	46.6	48.5	100
Doeblers	RPM DB5416R	RR	5.4	50.6	56.0	33.1	69.4	45.9	51.0	41.0	44.8	44	52.0	46.9	45.7	48.4	100
University of Arkansas	UA 5213C	Conv	5.2	39.3	58.2	41.6	61.0	46.6	49.3							49.3	100
USG	7553nRS	RR	5.5	45.6	62.4	32.7	54.4	53.2	49.7							49.7	100
Doeblers	RPM DB5317SR	RR/STS	5.3	50.6	54.0	38.6	62.6	48.5	50.9	39.4	44.3	39.9	41.9	57.5	44.6	47.7	99
Asgrow	AG53X6	RR2X	5.3	48.4	60.3	34.1	64.2	47.6	50.9	39.1	38.3	45.7	55.0	47.2	45.1	48.0	99
Progeny Ag	P 5414LLS	LL, STS	5.4							38.2	43.2	45.2	48.3	56.2	46.2	46.2	99
Pioneer	P53T73SR	RR/STS	5.3	42.9	62.7	36.9	65.1	44.3	50.4	39.8	48.4	37.4	45.2	53.4	44.8	47.6	98
Virginia Tech	V12-0063R2	RR2Y	5.5	42.7	58.9	38.1	60.5	42.1	48.5	44.8	41.2	43.7	45.4	55.8	46.2	47.3	98
Southern Harvest	SH 5515 LL	LL	5.5	39.9	55.2	36.6	65.9	38.6	47.2	47.3	40.1	45.4	49.9	55.6	47.7	47.5	98
Virginia Tech	V12-1416	RR	5.0	36.9	67.3	38.4	58.1	47.1	49.6	41.3	44.9	39.5	44.4	55.9	45.2	47.4	98
CZ	5375 RY	RR2Y	5.3	41.0	68.3	32	71.3	32.5	49.0	36.7	42.8	45.3	52.6	58.7	47.2	48.1	98
USG	75T40	RR	5.4							43.2	42.9	40.3	52.3	48.2	45.4	45.4	97

Table 1d. Yield summaries of early maturity group V entries.

				Full-Season						Double-Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	PTR	SUF	WAR	AVG	AVG	Avg Rel Yield
Progeny Ag	P 5289RYS	RR2Y/STS	5.2							41.5	39.6	42.4	49.9	54.1	45.5	45.5	97
Virginia Tech	V11-3485	RR	5.3	46.1	49.7	28.5	65.2	50.2	47.9	45.5	38.4	40.7	51.8	55.0	46.3	47.1	97
Asgrow	AG54X6	RR2X	5.4	46.1	66.3	34.8	69.6	36.1	50.6	44.0	41.5	44.2	35.2	55.0	44.0	47.3	97
Virginia Tech	V12-1048	RR	5.0	41.3	66.8	34	53.0	50.6	49.1	43.5	42.3	38.3	36.5	51.2	42.4	45.8	95
CZ	5225 LL	LL/STS	5.2	43.6	68.2	22	66.6	40.4	48.2	42.2	45.6	44.2	43.5	47.0	44.5	46.3	94
Progeny Ag	P 5417RX	RR2X	5.4							38.7	42.4	41.8	41.1	54.5	43.7	43.7	94
USG	7547XT	RR2X/STS	5.4	44.5	65.6	36.1	61.4	33.5	48.2	43.1	38.2	39.7	39.5	48.3	41.8	45.0	93
University of Arkansas	UA 5014C	Conv	5.0	42.0	57.8	32.5	62.5	37.2	46.4							46.4	92
Axis	5417NRX	RR2X	5.4	32.9	58.1	36.5	51.4	38.5	43.5	43.7	44.5	42.9	37.3	50.8	43.8	43.7	91
Public	Glenn	Conv	5.4	41.9	57.7	25.5	68.8	34.4	45.7	35.2	35.2	40.7	54.1	51.8	43.4	44.5	90
CZ	5445 LL	LL	5.4	37.0	58.7	20.8	67.8	44.6	45.8	45.2	44.1	42.1	44.8	34.0	42.0	43.9	90
Virginia Tech	V12-1376	RR	5.3	32.3	58.1	22.4	46.4	42.7	40.4	46.4	45.8	40.4	45.8	47.1	45.1	42.7	88
LSD P=.10				10.4	11.4	8.7	10.6	17.2		7.1	6.1	4.4	7.3	8.6			
CV				16.9	13.0	14.9	12.1	29.0		12.2	10.7	7.4	10.7	11.6			
Grand Mean				45.6	64.5	34.5	64.3	43.7	50.5	43.0	42.0	43.6	50.3	54.6	46.7	48.8	

Table 1e. Yield summaries of late maturity group V entries.

				Full-Season					Double -Crop						FS & DC	
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	SUF	WAR	AVG	BLK	ORG	PTR	SUF	WAR	AVG	AVG	Avg Rel
Southern Harvest	SH 6515 LL	LL	6.5	50.9	61.3	74.7	43.8	57.7	54.5	54.4	40.5	56.2	62.7	53.7	55.7	112.4
NK	S67-B7	RR2Y	6.7	58.1	65.0	70.1	45.9	59.8							59.8	111.5
USG	75J90R	RR2Y	5.9	48.9	71.6	73.9	42.0	59.1							59.1	108.2
Stine	55RI02	RR2Y	5.6	63.4	68.3	62.2	41.6	58.9	45.4	39.7	42.8	62.2	56.6	49.3	54.1	107.9
USG	75J45R	RR2Y	5.4	50.8	77.3	61.1	40.4	57.4							57.4	105.2
NK	S56-G6	RR	5.6	60.6	71.9	63.9	34.5	57.7	47.5	45.8	39.3	55.0	51.6	47.8	52.8	104.8
Dyna-Gro	S56RY84	RR2Y	5.6						46.4	41.4	40.9	58.3	53.1	48.0	48.0	104.1
Progeny Ag	P 5555RY	RR2Y	5.5						41.4	43.3	42.8	55.2	56.6	47.9	47.9	103.8
Virginia Tech	V10-0262	Conv	5.6	51.4	68.9	70.4	38.8	57.4	43.6	43.0	38.4	53.0	53.8	46.4	51.9	102.6
Hubner Seed	H58-12	RR2Y	5.8	45.5	69.4	59.6	36.2	52.7	48.9	47.0	39.8	53.8	52.1	48.3	50.5	101.3
NK	S56-M8	RR2Y	5.6	49.0	66.6	64.0	39.9	54.9							54.9	101.1
Pioneer	P55T81R	RR	5.5	48.5	68.1	57.4	40.4	53.6	43.6	43.7	39.7	56.6	52.2	47.2	50.4	100.9
USG	75B75R	RR2Y	5.7	55.2	65.5	70.8	35.5	56.8	37.8	41.2	40.8	50.6	56.3	45.3	51.0	100.7
Progeny Ag	P 5752RY	RR2Y	5.7						38.6	43.4	41.6	48.5	58.8	46.2	46.2	100.3
Progeny Ag	P 5768RX	RR2X	5.7						38.1	40.9	40.9	53.6	56.5	46.0	46.0	99.5
University of Arkansas	R10-230	Conv	5.6	49.7	62.5	61.2	39.8	53.3							53.3	98.8
University of Arkansas	UA 5612	Conv	5.6	49.0	66.2	61.9	36.7	53.5							53.5	98.1
Asgrow	AG5533	RR2Y/STS	5.5	48.1	70.5	56.7	37.3	53.2	45.1	35.8	41.3	52.5	51.8	45.3	49.2	98.0
Virginia Tech	V12-0045R2	RR2Y	5.6	43.9	75.2	57.8	36.1	53.3	43.3	43.9	36.0	50.4	54.4	45.6	49.4	98.0
Doeblers	RPM DB5710RR	RR	5.7	44.0	74.0	68.2	37.6	56.0	36.4	41.1	40.0	55.1	46.4	43.8	49.9	97.9
Mycogen Seeds	5N550R2	RR2Y	5.5	41.5	73.4	59.2	37.3	52.9	43.3	39.4	33.7	58.3	54.6	45.9	49.4	97.6
University of Arkansas	R07-6614RR	RR	5.7	44.6	64.1	62.7	38.7	52.5							52.5	96.7
Public	Glenn	Conv	5.5	45.5	63.6	51.8	39.1	50.0	41.1	32.5	39.0	57.1	50.8	44.1	47.1	94.1
Southern Harvest	SH 5915 LL	LL	5.9	39.2	54.0	70.3	36.0	49.9	38.9	33.0	41.7	52.4	57.0	44.6	47.2	94.1
Virginia Tech	V12-0063R2	RR2Y	5.5						44.9	40.1	35.4	43.7	50.3	42.9	42.9	93.5
USDA-ARS	JTN-5110	Conv	5.5	45.1	57.1	55.0	29.3	46.6	35.3	35.4	39.6	60.5	47.2	43.6	45.1	90.1
LSD P=.10				8.5	8.6	12.5	5.2		5.1	6.5	7.6	5.0	5.7			
CV				12.7	9.3	14.3	9.8		8.7	11.3	14.0	6.7	7.9			
Grand Mean				48.5	67.4	63.5	38.4	54.4	42.6	41.5	39.7	53.7	52.8	46.1		

Table 2a. Performance of Full-Season Maturity Group III Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
CZ	3841 LL	LL	3.8		2.0	38	0	3.0	2929	71.4
Southern Harves	SH 3814 LL	LL	3.8		2.0	35	0	3.0	3131	67.4
CZ	3737 LL	LL	3.7		1.8	34	1	3.0	3088	63.1
T.A. SEEDS	TS3966R2XS	RR2XSTS	3.9		1.7	36	3	3.7	3395	62.2
Pioneer	P39T67R	RR	3.9		1.8	35	0	3.0	3572	61.6
USG	73P93R	RR2Y	3.9		1.3	36	1	3.0	2934	61.1
Doeblers	RPM DB3817R	GT	3.8		1.5	35	1	3.0	2816	60.7
CZ	3560 RY	RY	3.5		1.5	33	0	3.0	3373	60.4
Doeblers	RPM DB3517R	GT	3.5		1.7	35	0	3.0	2986	59.8
CZ	3991 RY	RY	3.9		1.5	32	0	3.0	3564	58.7
CZ	3945 LL	LL	3.9		1.3	34	4	3.0	3177	58.1
Mid-Atlantic	MAS3855RR2/STS/X	RR2/STS/EX	3.8		1.7	35	3	3.7	3527	57.8
LSD P=.10					0.6	3	1	0.3	184	7.1
CV					24.9	6	65	7.2	4	8.2
Grand Mean					1.7	35	1	3.1	3208	61.9

Table 2b. Performance of Full-Season Maturity Group III Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
CZ	3945 LL	LL	3.9		1.7	38	4	3.0	3633	38.9
CZ	3991 RY	RY	3.9		1.0	35	2	2.7	3870	36.0
Doeblers	RPM DB3517R	GT	3.5		1.0	33	5	2.7	3754	35.9
CZ	3560 RY	RY	3.5		1.0	34	4	3.0	3752	34.3
Pioneer	P39T67R	RR	3.9		1.3	36	2	2.3	3912	34.0
CZ	3841 LL	LL	3.8		1.3	35	5	3.0	3721	33.2
USG	73P93R	RR2Y	3.9		1.0	34	3	3.0	3633	32.8
Southern Harves	SH 3814 LL	LL	3.8		1.2	33	3	2.7	3735	30.0
CZ	3737 LL	LL	3.7		1.3	35	3	1.9	3821	29.9
Doeblers	RPM DB3817R	GT	3.8		1.2	35	3	3.0	3652	29.3
T.A. SEEDS	TS3966R2XS	RR2XSTS	3.9		1.0	32	6	3.0	3808	29.0
Mid-Atlantic	MAS3855RR2/STS/X	RR2/STS/EX	3.8		1.0	33	5	3.0	3931	26.1
LSD P=.10					0.4	3	2	0.5	218	5.4
CV					22.0	7	37	12.5	4	12.2
Grand Mean					1.1	33	4	2.7	3665	31.6

Table 2c. Performance of Full-Season Maturity Group III Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS3855RR2/STS/X	RR2/STS/EX	3.8	24-Sep	1.5	27	6	4.0	3495	32.1
T.A. SEEDS	TS3966R2XS	RR2XSTS	3.9	24-Sep	1.3	25	4	4.0	3520	29.7
Doeblers	RPM DB3517R	GT	3.5	25-Sep	1.3	23	7	4.0	3259	29.6
CZ	3991 RY	RY	3.9	23-Sep	1.1	22	2	3.0	3584	27.8
Pioneer	P39T67R	RR	3.9	29-Sep	1.2	23	5	4.0	3704	27.6
USG	73P93R	RR2Y	3.9	26-Sep	1.2	23	7	4.0	3275	26.5
Southern Harves	SH 3814 LL	LL	3.8	28-Sep	1.2	26	4	4.0	3282	26.3
CZ	3945 LL	LL	3.9	25-Sep	1.1	23	6	3.0	3652	25.6
CZ	3841 LL	LL	3.8	27-Sep	1.4	26	8	4.0	3568	24.8
Doeblers	RPM DB3817R	GT	3.8	26-Sep	1.1	22	3	3.0	3302	22.8
CZ	3560 RY	RY	3.5	20-Sep	1.2	19	2	3.0	3521	20.3
CZ	3737 LL	LL	3.7	29-Sep	1.3	25	11	4.0	3355	20.3
LSD P=.10				2.68	0.2	3	4	0.5	118	5.6
CV				7.41	9.6	8	55	10.6	2	15.4
Grand Mean				25-Sep	1.2	24	5	3.6	3460	26.1

Table 3a. Performance of Full-Season Early Maturity Group IV Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4		1.5	43	4	3.0	3808	57.3
Hubner	H42-13R2	RR2Y	4.2		1.3	39	2	3.0	3297	55.9
Pioneer	P39T67R	RR	3.9		1.3	36	2	3.7	3654	55.3
Southern States	SS 4417NS X	RR2X/STS	4.4		1.7	42	4	3.0	3820	54.2
Asgrow	AG46X6	RR2X	4.6		1.3	38	7	3.0	3026	53.9
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3		1.5	47	3	3.0	3233	53.9
Asgrow	AG44X6	RR2X	4.4		1.3	42	5	3.0	3012	53.3
Asgrow	AG4135	RR2X/STS	4.1		1.2	38	1	3.0	3416	52.2
CZ	4590 RY	RR2Y	4.5		1.7	42	7	3.0	3867	51.4
CZ	4181 RY	RR2Y/STS	4.1		1.2	41	4	3.0	3011	49.9
Pioneer	P46T21R	RR	4.6		1.5	40	3	3.0	3765	49.5
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.0	40	7	3.0	3537	49.5
NK	S45-W9	RR2Y	4.5		1.0	38	3	2.3	3379	49.3
Channel	4616R2X/SR	RR2X/STS	4.6		1.3	39	8	3.0	3191	48.5
T.A. SEEDS	TS4669R2	RR2Y	4.6		1.3	40	3	3.0	3779	47.7
Southern States	SS 4216N X	RR2X	4.2		1.3	36	3	3.0	3544	47.5
Dyna-Gro	S43XS27	RR2X/STS	4.3		1.3	43	7	2.7	3735	47.3
CZ	4044 LL	LL	4.0		1.2	35	2	3.0	3521	47.1
CZ	4656 RY	RR2Y	4.6		1.0	40	4	3.0	3139	46.7
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4		2.0	43	6	3.0	3819	46.7
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.3	41	4	3.0	3324	46.5
Dyna-Gro	S42RY77	RR2Y	4.2		1.3	37	3	3.3	3313	46.4
NK	S42-P6	RR2Y	4.2		1.3	37	4	3.0	3375	45.8
USG	74F24RS	RR2Y/STS	4.2		1.5	39	4	3.0	3411	45.6
Asgrow	AG45X6	RR2X/STS	4.5		1.2	38	4	3.0	3601	45.1
Dyna-Gro	S43RY95	RR2Y	4.3		1.8	44	3	3.0	3666	44.8
Southern States	SS 4215NS R2	RR2X/STS	4.2		1.3	36	2	3.0	3704	44.4
CZ	4222 LL	LL	4.2		1.3	34	2	3.3	3716	43.5
USG	7447XTS	RR2X/STS	4.4		1.3	39	2	3.0	3744	42.3
CZ	4105 LL	LL	4.1		1.2	37	1	3.0	3119	40.8
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2		1.2	40	3	3.0	3764	40.7
CZ	4540 LL	LL	4.5		1.3	42	7	3.0	3476	36.0
Virginia Tech	V11-2187	Conv	4.2		1.0	33	5	3.0	3542	22.9
LSD P=.10					0.5	5	3	0.3	169	9.2
CV					28.1	9	53	7.7	4	14.3
Grand Mean					1.3	39	4	3.0	3457	47.3

Table 3b. Performance of Full-Season Early Maturity Group IV Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4		2.5	41	3	3.0	3096	87.1
USG	74F24RS	RR2Y/STS	4.2		2.7	45	6	3.0	2632	86.4
Southern States	SS 4417NS X	RR2X/STS	4.4		2.2	43	4	3.0	2996	83.8
Asgrow	AG46X6	RR2X	4.6		2.0	37	6	3.0	2469	83.6
Channel	4616R2X/SR	RR2X/STS	4.6		2.3	41	3	3.0	2642	81.9
Hubner	H42-13R2	RR2Y	4.2		1.8	36	3	3.0	2664	80.4
Dyna-Gro	S46XS87	RR2X/STS	4.6		2.3	43	7	3.0	2843	77.8
USG	7447XTS	RR2X/STS	4.4		2.5	44	5	3.0	3061	77.5
Southern States	SS 4215NS R2	RR2X/STS	4.2		1.8	39	3	3.0	2983	76.9
Dyna-Gro	S43XS27	RR2X/STS	4.3		2.2	41	5	3.0	3057	76.0
Pioneer	P46T21R	RR	4.6		2.0	38	3	3.0	3299	75.7
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3		2.5	43	5	3.0	2863	74.9
Asgrow	AG4135	RR2X/STS	4.1		2.0	38	3	3.0	2813	74.8
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		2.7	46	6	3.0	2743	74.8
Dyna-Gro	S43RY95	RR2Y	4.3		2.2	42	2	3.0	3110	73.7
Pioneer	P39T67R	RR	3.9		2.0	34	3	3.0	3062	73.7
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4		2.7	43	2	3.0	3155	73.3
Virginia Tech	V11-2187	Conv	4.2		2.0	42	5	3.0	2888	72.8
Asgrow	AG44X6	RR2X	4.4		2.0	38	4	3.0	2582	72.5
T.A. SEEDS	TS4669R2	RR2Y	4.6		2.2	41	1	3.0	3013	71.8
CZ	4540 LL	LL	4.5		3.2	48	6	3.0	2826	71.1
Southern States	SS 4216N X	RR2X	4.2		1.8	38	2	3.0	3019	70.2
CZ	4656 RY	RR2Y	4.6		2.3	42	7	3.0	2675	69.8
Asgrow	AG45X6	RR2X/STS	4.5		2.0	39	4	3.0	2974	69.2
CZ	4590 RY	RR2Y	4.5		1.7	40	8	3.0	3232	68.9
Dyna-Gro	S42RY77	RR2Y	4.2		2.2	35	3	3.0	3023	67.3
CZ	4181 RY	RR2Y/STS	4.1		2.0	39	9	3.0	2583	67.0
NK	S45-W9	RR2Y	4.5		1.0	35	9	3.0	3009	61.4
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2		2.2	42	2	3.0	3103	59.6
CZ	4105 LL	LL	4.1		1.0	34	3	3.0	2689	59.1
NK	S42-P6	RR2Y	4.2		2.2	35	1	3.0	3277	58.8
CZ	4222 LL	LL	4.2		2.3	31	5	3.0	3230	58.5
CZ	4044 LL	LL	4.0		2.0	34	1	3.0	3092	58.4
LSD P=.10					0.7	3	3	0.0	213	11.5
CV					23.8	6	45	0.0	5	11.7
Grand Mean					2.1	40	4	3.0	2930	72.4

Table 3c. Performance of Full-Season Early Maturity Group IV Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
T.A. SEEDS	TS4669R2	RR2Y	4.6		1.0	41	2	2.7	4068	40.0
CZ	4044 LL	LL	4.0		1.0	37	3	3.0	3764	39.7
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.3	46	4	3.0	3373	39.2
USG	74F24RS	RR2Y/STS	4.2		1.0	41	0	2.3	3663	39.0
CZ	4540 LL	LL	4.5		1.0	41	3	3.0	3494	38.1
CZ	4656 RY	RR2Y	4.6		1.0	38	1	2.0	3063	36.0
Hubner	H42-13R2	RR2Y	4.2		1.0	38	1	3.0	3488	35.3
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3		1.0	39	4	3.0	3524	35.0
Channel	4616R2X/SR	RR2X/STS	4.6		1.0	38	1	2.7	3477	34.5
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.0	40	2	2.3	3511	34.4
Asgrow	AG46X6	RR2X	4.6		1.0	38	3	2.3	3235	34.3
Dyna-Gro	S42RY77	RR2Y	4.2		1.0	34	1	2.7	3693	32.4
Dyna-Gro	S43RY95	RR2Y	4.3		1.7	41	1	2.7	3859	32.0
NK	S45-W9	RR2Y	4.5		1.0	36	2	2.0	3522	31.9
Pioneer	P39T67R	RR	3.9		1.0	35	2	2.7	3973	31.6
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2		1.0	36	3	3.0	3717	31.3
CZ	4181 RY	RR2Y/STS	4.1		1.0	37	5	3.0	3440	30.9
Southern States	SS 4215NS R2	RR2X/STS	4.2		1.0	33	2	2.3	3878	30.5
Pioneer	P46T21R	RR	4.6		1.0	35	2	2.3	3893	30.4
CZ	4222 LL	LL	4.2		1.0	29	2	3.0	3888	30.2
Asgrow	AG44X6	RR2X	4.4		1.0	39	3	2.3	3513	30.2
Asgrow	AG4135	RR2X/STS	4.1		1.0	36	2	3.0	3706	29.9
CZ	4590 RY	RR2Y	4.5		1.0	38	1	2.3	3794	29.7
Southern States	SS 4216N X	RR2X	4.2		1.0	37	3	2.7	3548	29.6
Asgrow	AG45X6	RR2X/STS	4.5		1.0	38	2	2.3	3643	29.6
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4		1.0	40	1	3.0	3783	29.4
Dyna-Gro	S43XS27	RR2X/STS	4.3		1.0	38	3	2.3	3618	29.3
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4		1.0	40	1	2.7	3718	29.2
Southern States	SS 4417NS X	RR2X/STS	4.4		1.0	38	1	2.0	3744	28.5
CZ	4105 LL	LL	4.1		1.0	33	1	2.7	3604	28.4
USG	7447XTS	RR2X/STS	4.4		1.0	41	3	3.0	3689	28.4
NK	S42-P6	RR2Y	4.2		1.0	33	3	3.0	3881	27.2
Virginia Tech	V11-2187	Conv	4.2		1.0	34	3	3.0	3664	26.9
LSD P=.10					0.2	3	3	0.6	312	6.0
CV					13.7	7	83	15.6	6	14.0
Grand Mean					1.0	38	2	2.7	3649	31.6

Table 3d. Performance of Full-Season Early Maturity Group IV Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	12-Oct	2.3	44	2	2.7	3037	87.4
Dyna-Gro	S46XS87	RR2X/STS	4.6	12-Oct	1.5	40	2	2.7	2793	84.8
Asgrow	AG46X6	RR2X	4.6	12-Oct	1.3	38	3	3.0	2575	83.6
Hubner	H42-13R2	RR2Y	4.2	7-Oct	1.7	36	1	3.0	2793	79.4
Dyna-Gro	S43RY95	RR2Y	4.3	7-Oct	3.3	43	2	3.0	3259	78.2
Asgrow	AG44X6	RR2X	4.4	12-Oct	2.0	38	1	2.7	2892	77.9
CZ	4540 LL	LL	4.5	12-Oct	2.2	42	4	3.0	2925	77.6
CZ	4590 RY	RR2Y	4.5	12-Oct	2.0	41	3	3.0	3180	77.4
Dyna-Gro	S43XS27	RR2X/STS	4.3	12-Oct	2.3	41	1	2.3	3084	77.3
USG	7447XTS	RR2X/STS	4.4	12-Oct	2.3	41	3	3.0	2988	76.4
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	12-Oct	1.5	36	4	2.0	3123	76.2
NK	S45-W9	RR2Y	4.5	7-Oct	1.0	36	4	3.0	3234	76.0
USG	74F24RS	RR2Y/STS	4.2	7-Oct	2.3	38	2	3.0	3047	75.4
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	12-Oct	2.7	43	4	3.0	3068	75.2
CZ	4656 RY	RR2Y	4.6	12-Oct	2.0	38	5	3.0	2806	74.6
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	7-Oct	2.7	38	1	3.0	3075	72.4
Asgrow	AG45X6	RR2X/STS	4.5	7-Oct	1.3	37	5	3.0	3051	72.2
T.A. SEEDS	TS4669R2	RR2Y	4.6	12-Oct	1.8	39	2	3.0	3463	71.3
NK	S42-P6	RR2Y	4.2	7-Oct	1.2	36	3	3.0	3218	71.0
Southern States	SS 4417NS X	RR2X/STS	4.4	12-Oct	1.7	36	4	3.0	3116	70.0
Southern States	SS 4215NS R2	RR2X/STS	4.2	7-Oct	2.7	39	3	3.0	3221	69.9
Channel	4616R2X/SR	RR2X/STS	4.6	12-Oct	2.0	36	1	2.7	3283	69.2
Southern States	SS 4216N X	RR2X	4.2	7-Oct	1.7	35	4	3.3	3393	68.8
CZ	4181 RY	RR2Y/STS	4.1	7-Oct	2.3	37	15	3.3	2806	67.4
Pioneer	P46T21R	RR	4.6	12-Oct	1.3	33	8	3.0	2956	67.4
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2	7-Oct	1.3	37	3	3.0	3444	64.8
CZ	4222 LL	LL	4.2	7-Oct	2.8	32	6	3.7	3376	64.6
CZ	4044 LL	LL	4.0	7-Oct	1.7	32	6	3.0	3140	63.6
Asgrow	AG4135	RR2X/STS	4.1	7-Oct	3.0	35	8	3.3	3058	63.4
Dyna-Gro	S42RY77	RR2Y	4.2	7-Oct	2.0	35	4	3.0	3154	62.3
Virginia Tech	V11-2187	Conv	4.2	12-Oct	1.7	33	6	2.7	3532	60.2
Pioneer	P39T67R	RR	3.9	2-Oct	2.7	38	1	4.0	3810	59.7
CZ	4105 LL	LL	4.1	7-Oct	1.0	33	4	3.0	2995	58.8
LSD P=.10				0.0	1.2	5	3	0.4	244	10.2
CV				0.0	43.9	11	54	10.5	6	10.4
Grand Mean				9-Oct	2.0	37	4	3.0	3118	72.0

Table 3e. Performance of Full-Season Early Maturity Group IV Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	10-Oct	1.3	30	11	3.0	3459	35.6
Dyna-Gro	S46XS87	RR2X/STS	4.6	14-Oct	1.5	32	17	4.0	3388	35.2
Asgrow	AG45X6	RR2X/STS	4.5	10-Oct	1.2	29	23	3.3	3468	34.9
USG	74F24RS	RR2Y/STS	4.2	8-Oct	1.2	31	5	3.0	3453	34.7
Dyna-Gro	S43XS27	RR2X/STS	4.3	12-Oct	1.8	30	10	3.3	3848	33.9
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	12-Oct	1.3	31	7	3.0	3686	33.7
NK	S45-W9	RR2Y	4.5	6-Oct	1.3	25	20	3.0	3567	33.1
CZ	4540 LL	LL	4.5	18-Oct	1.2	31	9	4.0	3461	32.7
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	12-Oct	1.4	31	14	4.0	3525	32.7
Southern States	SS 4417NS X	RR2X/STS	4.4	12-Oct	1.8	31	7	3.3	3790	32.5
USG	7447XTS	RR2X/STS	4.4	13-Oct	1.5	29	11	3.7	3696	31.8
Dyna-Gro	S43RY95	RR2Y	4.3	14-Oct	1.7	32	12	3.0	3853	31.7
Asgrow	AG44X6	RR2X	4.4	10-Oct	1.6	29	12	3.3	3213	31.6
T.A. SEEDS	TS4669R2	RR2Y	4.6	4-Oct	1.5	28	10	3.3	4046	31.5
Channel	4616R2X/SR	RR2X/STS	4.6	14-Oct	1.2	27	10	3.0	3366	31.4
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2	10-Oct	1.4	31	6	3.0	3615	31.2
NK	S42-P6	RR2Y	4.2	7-Oct	1.2	29	14	3.0	3672	31.0
CZ	4656 RY	RR2Y	4.6	12-Oct	1.4	29	7	4.0	3140	31.0
Asgrow	AG46X6	RR2X	4.6	9-Oct	1.3	27	11	3.3	3241	30.9
Dyna-Gro	S42RY77	RR2Y	4.2	1-Oct	1.5	28	6	3.7	3382	30.2
Pioneer	P39T67R	RR	3.9	1-Oct	1.6	25	4	5.0	3732	29.9
Southern States	SS 4216N X	RR2X	4.2	3-Oct	1.2	27	7	3.7	3520	29.7
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	11-Oct	1.6	30	6	4.0	3828	29.7
CZ	4044 LL	LL	4.0	3-Oct	1.3	28	9	4.0	3588	29.6
Asgrow	AG4135	RR2X/STS	4.1	27-Sep	1.3	27	2	3.0	3703	29.4
Hubner	H42-13R2	RR2Y	4.2	3-Oct	1.3	24	4	4.0	3397	29.2
CZ	4105 LL	LL	4.1	4-Oct	1.3	28	4	3.7	3414	28.5
CZ	4181 RY	RR2Y/STS	4.1	30-Sep	1.4	29	6	3.3	3530	28.4
Southern States	SS 4215NS R2	RR2X/STS	4.2	2-Oct	1.2	28	9	3.0	3743	27.8
Pioneer	P46T21R	RR	4.6	6-Oct	1.5	27	12	3.7	3819	27.8
CZ	4590 RY	RR2Y	4.5	8-Oct	1.4	29	15	3.3	4342	27.3
Virginia Tech	V11-2187	Conv	4.2	3-Oct	1.2	26	6	4.0	3870	25.7
CZ	4222 LL	LL	4.2	29-Sep	1.4	24	2	3.0	4117	23.5
LSD P=.10				3.1	0.2	2	5	0.5	178	4.7
CV				5.9	10.2	6	40	10.5	4	11.2
Grand Mean				7-Oct	1.4	29	9	3.5	3620	30.9

Table 3f. Performance of Double-Crop Early Maturity Group IV Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.0	37	1	3.0	2577	49.7
Asgrow	AG45X6	RR2Y/STS	4.5		1.0	30	2	3.0	2630	49.6
CZ	4656 RY	RR2Y	4.6		1.0	32	0	3.0	2236	47.7
GFS-HISOY	HS44T60	RR2Y/STS	4.4		1.0	29	6	3.3	2674	47.4
Asgrow	AG4135	RR2Y/STS	4.1		1.2	37	6	4.0	3003	46.7
Southern Harves	SH 3814 LL	LL	3.8		1.0	30	13	4.0	3125	46.6
Virginia Tech	V11-2187	Conv	4.2		1.0	34	6	3.0	3062	46.6
Asgrow	AG46X6	RR2X	4.6		1.0	33	1	3.0	2464	46.2
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.0	32	2	3.0	2573	46.1
Pioneer	P46T21R	RR	4.6		1.0	30	2	3.0	2845	45.8
CZ	4590 RY	RR2Y	4.5		1.0	31	1	2.0	3187	45.4
USG	7447XTS	RR2X/STS	4.4		1.0	32	1	3.0	2887	45.1
USG	74F24RS	RR2Y/STS	4.2		1.0	40	4	3.7	2537	44.4
Channel	4616R2X/SR	RR2X/STS	4.6		1.0	29	6	3.0	3433	44.3
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4		1.0	34	0	3.0	2734	43.8
NK	S39-C4	RR2Y	3.9		1.0	30	7	3.0	2843	43.4
Progeny Ag	P 4588RY	RR2Y	4.5		1.0	34	8	3.0	2640	42.9
Progeny Ag	P 4613RYS	RR2Y/STS	4.6		1.0	34	13	3.0	2540	42.8
Dyna-Gro	31RY45	RR2Y	4.5		1.0	35	1	3.0	2551	42.7
CZ	4540 LL	LL	4.5		1.0	37	1	3.0	2798	41.9
Progeny Ag	P 4516RXS	RR2X/STS	4.5		1.3	31	9	3.0	2635	41.8
Asgrow	AG44X6	RR2Y	4.4		1.0	31	1	3.0	2433	41.6
NK	S45-R7	RR2Y/STS	4.5		1.0	35	2	3.0	2610	41.2
Progeny Ag	P 4620RXS	RR2X/STS	4.6		1.0	34	9	3.3	2554	39.8
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3		1.0	34	1	3.0	2677	39.6
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4		1.0	31	1	3.0	2429	39.3
Dyna-Gro	S43RY95	RR2Y	4.3		1.0	34	1	3.0	2963	36.6
LSD P=.10					0.2	4	3	0.3	165	6.9
CV					12.0	10	53	6.5	4	11.9
Grand Mean					1.0	33	4	3.1	2695	42.5

Table 3g. Performance of Double-Crop Early Maturity Group IV Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Southern Harves	SH 3814 LL	LL	3.8		1.0	27	1	3.3	3909	37.6
USG	74F24RS	RR2Y/STS	4.2		1.3	36	4	3.3	3906	36.2
NK	S45-R7	RR2Y/STS	4.5		1.0	33	1	3.0	3809	34.8
GFS-HISOY	HS44T60	RR2Y/STS	4.4		1.0	24	1	3.0	3926	33.9
Asgrow	AG45X6	RR2Y/STS	4.5		1.0	27	6	3.0	3997	32.9
Progeny Ag	P 4620RXS	RR2X/STS	4.6		1.0	30	3	3.0	3911	31.9
NK	S39-C4	RR2Y	3.9		1.0	28	0	3.0	3940	31.8
Asgrow	AG4135	RR2Y/STS	4.1		1.3	29	2	3.3	4030	31.7
Progeny Ag	P 4613RYS	RR2Y/STS	4.6		2.0	30	4	3.0	3975	31.0
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4		1.0	28	3	3.0	4268	30.7
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.3	34	10	3.0	4046	29.7
Progeny Ag	P 4516RXS	RR2X/STS	4.5		1.0	31	5	3.0	4209	29.3
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4		1.0	29	5	3.0	4363	29.0
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.3	34	8	3.0	4055	28.5
CZ	4540 LL	LL	4.5		1.0	33	7	3.0	4155	28.4
Progeny Ag	P 4588RY	RR2Y	4.5		1.0	33	6	3.0	4055	28.2
Asgrow	AG46X6	RR2X	4.6		1.0	28	2	3.0	3722	28.2
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3		1.0	30	5	3.0	4406	27.4
CZ	4590 RY	RR2Y	4.5		1.0	29	4	2.6	4705	27.0
Asgrow	AG44X6	RR2Y	4.4		1.0	30	5	3.3	3838	26.4
Dyna-Gro	S43RY95	RR2Y	4.3		1.7	30	3	3.3	4736	26.2
Channel	4616R2X/SR	RR2X/STS	4.6		1.0	22	1	3.0	4229	26.1
Virginia Tech	V11-2187	Conv	4.2		1.0	27	2	2.7	4771	24.7
USG	7447XTS	RR2X/STS	4.4		1.7	31	7	3.0	4430	24.4
Pioneer	P46T21R	RR	4.6		1.0	28	1	3.0	4992	23.9
Dyna-Gro	31RY45	RR2Y	4.5		1.0	29	5	3.0	4356	22.4
CZ	4656 RY	RR2Y	4.6		1.3	30	4	3.0	3723	22.2
LSD P=.10					0.6	4	2	0.4	377	6.3
CV					40.3	10	43	9.4	7	16.1
Grand Mean					1.2	30	4	3.0	4107	28.7

Table 3h. Performance of Double-Crop Early Maturity Group IV Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
GFS-HISOY	HS44T60	RR2Y/STS	4.4		1.0	22	3	3.0	2614	46.3
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.0	27	1	3.0	2446	44.2
Dyna-Gro	S43RY95	RR2Y	4.3		1.0	26	0	3.0	2659	44.0
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4		1.0	25	2	3.0	2492	43.6
Dyna-Gro	31RY45	RR2Y	4.5		1.0	23	3	3.0	2394	42.6
Progeny Ag	P 4516RXS	RR2X/STS	4.5		1.0	23	2	3.0	2504	42.5
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.0	30	3	3.0	2475	42.2
USG	7447XTS	RR2X/STS	4.4		1.0	26	2	3.0	2671	41.9
USG	74F24RS	RR2Y/STS	4.2		1.0	31	2	3.0	2308	41.1
NK	S45-R7	RR2Y/STS	4.5		1.0	27	1	3.0	2411	40.2
Progeny Ag	P 4588RY	RR2Y	4.5		1.0	26	3	3.0	2655	38.7
CZ	4656 RY	RR2Y	4.6		1.0	22	2	3.0	2240	38.7
Asgrow	AG4135	RR2Y/STS	4.1		1.0	23	4	3.0	2647	38.2
Asgrow	AG44X6	RR2Y	4.4		1.0	22	1	3.0	2409	38.0
CZ	4540 LL	LL	4.5		1.0	27	2	3.0	2621	37.9
CZ	4590 RY	RR2Y	4.5		1.0	23	3	3.0	2698	37.6
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4		1.0	23	2	3.0	2398	37.6
Asgrow	AG46X6	RR2X	4.6		1.0	23	3	3.0	2342	36.9
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3		1.0	25	2	3.0	2615	36.6
Progeny Ag	P 4620RXS	RR2X/STS	4.6		1.0	24	1	3.0	2698	36.3
Asgrow	AG45X6	RR2Y/STS	4.5		1.0	22	1	3.0	2554	35.0
Channel	4616R2X/SR	RR2X/STS	4.6		1.0	21	1	3.0	2523	34.4
Progeny Ag	P 4613RYS	RR2Y/STS	4.6		1.0	25	5	3.0	2591	34.1
NK	S39-C4	RR2Y	3.9		1.0	21	2	3.0	2580	33.9
Pioneer	P46T21R	RR	4.6		1.0	24	2	3.0	2727	33.2
Southern Harves	SH 3814 LL	LL	3.8		1.0	22	8	3.0	2688	30.8
Virginia Tech	V11-2187	Conv	4.2		1.0	23	1	3.0	2821	30.4
LSD P=.10					0.0	3	2	0.0	107	5.3
CV					0.0	8	61	0.0	3	10.1
Grand Mean					1.0	24	2	3.0	2548	38.4

Table 3i. Performance of Double-Crop Early Maturity Group IV Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
USG	74F24RS	RR2Y/STS	4.2	20-Oct	2.5	28	1	3.0	2650	72.9
Progeny Ag	P 4516RXS	RR2X/STS	4.5	20-Oct	1.8	29	0	2.3	2815	67.8
Progeny Ag	P 4613RYS	RR2Y/STS	4.6	20-Oct	2.3	29	0	3.0	2678	65.6
USG	7447XTS	RR2X/STS	4.4	20-Oct	1.7	29	0	2.3	2877	64.8
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	20-Oct	2.3	29	0	3.0	2862	64.2
Dyna-Gro	S43RY95	RR2Y	4.3	20-Oct	2.0	28	0	3.0	2966	64.0
Channel	4616R2X/SR	RR2X/STS	4.6	20-Oct	1.3	27	0	3.0	2702	63.9
Pioneer	P46T21R	RR	4.6	20-Oct	1.0	25	1	2.7	2547	62.7
NK	S45-R7	RR2Y/STS	4.5	20-Oct	1.0	26	2	3.0	2421	62.0
GFS-HISOY	HS44T60	RR2Y/STS	4.4	20-Oct	1.0	24	1	2.3	2609	61.9
Asgrow	AG4135	RR2Y/STS	4.1	20-Oct	2.7	26	4	3.0	2609	61.8
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	20-Oct	1.5	29	0	3.0	2760	61.8
Asgrow	AG44X6	RR2Y	4.4	20-Oct	2.0	26	0	3.0	2426	60.3
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	20-Oct	2.3	32	0	3.0	2735	59.6
Progeny Ag	P 4620RXS	RR2X/STS	4.6	20-Oct	2.3	27	0	3.0	3101	58.5
Dyna-Gro	31RY45	RR2Y	4.5	20-Oct	2.0	27	0	2.0	2689	56.9
Asgrow	AG45X6	RR2Y/STS	4.5	20-Oct	1.5	25	0	2.0	2768	56.3
Dyna-Gro	S46XS87	RR2X/STS	4.6	20-Oct	1.8	28	0	3.0	2710	56.0
NK	S39-C4	RR2Y	3.9	20-Oct	1.0	26	3	3.0	2522	55.7
Asgrow	AG46X6	RR2X	4.6	20-Oct	2.2	26	0	3.0	2368	55.6
Southern Harves	SH 3814 LL	LL	3.8	20-Oct	1.8	25	3	3.0	2459	55.1
CZ	4656 RY	RR2Y	4.6	20-Oct	2.7	26	1	3.0	2370	54.1
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	20-Oct	2.3	31	0	3.0	2769	53.9
Progeny Ag	P 4588RY	RR2Y	4.5	20-Oct	3.0	28	0	2.0	2731	53.3
CZ	4540 LL	LL	4.5	20-Oct	3.5	29	0	2.3	2884	50.1
CZ	4590 RY	RR2Y	4.5	20-Oct	1.0	24	1	2.0	3276	48.3
Virginia Tech	V11-2187	Conv	4.2	20-Oct	1.2	25	0	3.0	2736	44.9
LSD P=.10				0	1.1	3	1	0.3	185	8.1
CV				0	41.1	8	140	9.1	5	11.0
Grand Mean				20-Oct	1.9	27	1	2.7	2705	54.2

Table 3j. Performance of Double-Crop Early Maturity Group IV Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	24-Oct	1.2	25	0	5.0	3197	49.4
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	29-Oct	1.3	28	1	5.0	2769	48.1
Dyna-Gro	31RY45	RR2Y	4.5	25-Oct	1.2	25	0	5.0	2991	45.8
CZ	4540 LL	LL	4.5	26-Oct	1.2	28	0	5.0	3082	45.4
Dyna-Gro	S43RY95	RR2Y	4.3	25-Oct	1.4	25	0	4.0	3310	44.5
CZ	4656 RY	RR2Y	4.6	26-Oct	1.2	23	1	4.7	2455	44.3
NK	S45-R7	RR2Y/STS	4.5	23-Oct	1.2	25	1	3.7	3054	44.2
GFS-HISOY	HS44T60	RR2Y/STS	4.4	21-Oct	1.2	21	1	4.3	3030	43.7
Asgrow	AG46X6	RR2X	4.6	24-Oct	1.2	23	1	4.3	2719	43.5
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	23-Oct	1.2	23	1	4.3	2815	43.0
USG	7447XTS	RR2X/STS	4.4	25-Oct	1.2	24	0	4.7	3149	42.9
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	27-Oct	1.2	23	1	4.0	3209	42.9
Asgrow	AG44X6	RR2Y	4.4	22-Oct	1.2	24	0	4.7	2758	42.7
Asgrow	AG45X6	RR2Y/STS	4.5	26-Oct	1.2	23	0	4.7	3047	42.4
Progeny Ag	P 4588RY	RR2Y	4.5	24-Oct	1.2	27	2	3.0	2989	42.0
Progeny Ag	P 4620RXS	RR2X/STS	4.6	23-Oct	1.3	26	0	4.3	3481	42.0
Progeny Ag	P 4516RXS	RR2X/STS	4.5	25-Oct	1.2	23	0	4.7	3243	41.8
Progeny Ag	P 4613RYS	RR2Y/STS	4.6	22-Oct	1.2	22	3	4.0	3023	40.9
CZ	4590 RY	RR2Y	4.5	20-Oct	1.2	23	0	4.7	3653	39.6
USG	74F24RS	RR2Y/STS	4.2	22-Oct	1.2	25	1	4.3	3161	38.0
NK	S39-C4	RR2Y	3.9	18-Oct	1.2	22	2	3.3	3117	37.4
Dyna-Gro	S46XS87	RR2X/STS	4.6	27-Oct	1.2	25	0	4.0	2799	36.9
Pioneer	P46T21R	RR	4.6	22-Oct	1.2	24	1	3.0	3343	36.6
Southern Harves	SH 3814 LL	LL	3.8	17-Oct	1.2	23	4	3.3	3302	34.9
Virginia Tech	V11-2187	Conv	4.2	16-Oct	1.2	23	1	4.0	3560	34.8
Asgrow	AG4135	RR2Y/STS	4.1	14-Oct	1.2	23	5	3.3	3655	31.7
Channel	4616R2X/SR	RR2X/STS	4.6	15-Oct	1.1	20	2	3.3	3570	30.8
LSD P=.10				3	0.1	3	2	0.6	175	7.6
CV				3	5.1	8	100	10.5	4	13.5
Grand Mean				22-Oct	1.2	24	1	4.2	3129	41.1

Table 4a. Performance of Full-Season Late Maturity Group IV Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Channel	4916R2X/SR	RR2X/STS	4.9		2.0	51	6	3.0	3568	56.3
Asgrow	AG47X6	RR2X/STS	4.7		1.3	41	3	3.0	3414	55.3
Axis	4817NRXS	RR2X/STS	4.8		1.7	48	4	3.0	3616	55.2
Dyna-Gro	S48XT56	RR2X	4.8		1.7	42	6	3.3	3132	54.0
Dyna-Gro	S49XS76	RR2X/STS	4.9		2.0	45	9	3.0	3541	53.3
Pioneer	P48T53R	RR	4.8		1.7	45	5	3.0	3850	53.0
USG	74A92R	RR2Y	4.9		2.0	38	4	3.0	3270	52.7
NK	S47-K5	RR2Y	4.7		1.5	39	5	3.0	3549	51.4
Hubner	H48-13R2/STS	RR2Y/STS	4.8		1.5	45	7	3.0	3748	51.2
CZ	4959 RY	RR2Y	4.9		1.5	47	6	3.0	3597	51.1
Southern Harves	SH 4817 LL	LL	4.8		1.3	41	7	3.0	3809	50.6
Dyna-Gro	S48RS53	RR2Y/STS	4.8		1.7	43	7	3.0	3754	50.3
Stine	48LI32	LL	4.8		1.3	42	14	3.0	3466	50.3
Southern States	SS 4918N X	RR2X/STS	4.9		1.7	42	5	3.0	3216	49.7
Southern States	SS 4917N R2	RR2Y	4.9		2.0	45	5	3.0	3448	49.6
CZ	4656 RY	RR2Y	4.6		2.8	46	2	2.7	3047	49.0
USG	7477XTS	RR2X/STS	4.7		1.3	45	6	3.0	3766	48.9
Southern States	SS 4714NS R2	RR2Y/STS	4.7		1.3	40	5	3.0	3606	48.7
Stine	48RI23	RR2Y	4.8		1.3	38	4	3.0	4229	48.3
USG	7496XTS	RR2X/STS	4.9		1.7	44	19	3.0	3673	47.9
Asgrow	AG4835	RR2Y/STS	4.8		1.3	41	4	3.0	4054	47.7
Asgrow	AG49X6	RR2X	4.9		1.3	45	8	3.0	4022	47.5
Southern States	SS 4915NS R2	RR2Y/STS	4.9		1.7	46	8	3.0	3882	47.1
USG	74K95RS	RR2Y/STS	4.9		1.7	48	7	3.0	3847	46.7
Stine	49LH02	LL	4.9		1.5	46	4	3.0	3892	46.4
Virginia Tech	V12-0253R2	RR2Y	4.8		2.3	33	6	3.0	3769	46.3
Southern States	SS 4725NS R2	RR2Y/STS	4.7		1.5	42	9	3.0	3797	46.2
Southern States	SS 4717NS X	RR2X/STS	4.7		1.3	44	9	3.0	3726	45.9
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8		1.7	46	9	3.0	3949	45.6
USG	7487XTS	RR2X/STS	4.8		1.3	44	5	3.0	3547	45.5
CZ	4748 LL	LL	4.7		1.2	41	16	3.0	3422	45.0
Doeblers	RPM DB4715RR	RR	4.7		2.0	40	6	3.0	3648	45.0
CZ	4898 RY	RR2Y	4.8		1.3	41	5	3.0	3450	43.1
USG	ELLIS	Conv	4.9		1.2	33	5	3.0	4259	42.2
Virginia Tech	V12-0963	RR	4.6		3.7	45	1	3.0	4387	41.1
CZ	4818 LL	LL	4.8		1.3	43	3	3.0	3895	39.7
Stine	48RI02	RR2Y/STS	4.8		1.5	40	4	3.0	4082	39.5
LSD P=.10					0.9	7	5	0.2	250	9.4
CV					40.9	12	61	4.4	5	14.3
Grand Mean					1.7	43	6	3.0	3706	48.2

Table 4b. Performance of Full-Season Late Maturity Group IV Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8		2.3	48	2	2.0	2909	95.0
Hubner	H48-13R2/STS	RR2Y/STS	4.8		2.5	46	4	2.3	2786	94.5
Stine	49LH02	LL	4.9		2.2	43	1	2.7	2832	94.2
Dyna-Gro	S48RS53	RR2Y/STS	4.8		2.2	49	1	2.0	2828	91.1
Asgrow	AG4835	RR2Y/STS	4.8		2.2	47	2	2.0	3424	89.4
USG	7487XTS	RR2X/STS	4.8		2.3	50	2	2.0	2591	89.0
Stine	48RI23	RR2Y	4.8		2.2	43	1	2.3	3476	88.6
Stine	48RI02	RR2Y/STS	4.8		2.7	46	1	3.0	3442	88.3
USG	74K95RS	RR2Y/STS	4.9		2.3	47	3	2.0	2813	88.3
CZ	4656 RY	RR2Y	4.6		3.0	47	2	2.0	2302	86.6
Channel	4916R2X/SR	RR2X/STS	4.9		2.2	44	8	2.0	2965	86.1
USG	7477XTS	RR2X/STS	4.7		1.8	38	7	3.0	2770	84.8
NK	S47-K5	RR2Y	4.7		2.2	43	5	2.3	2908	84.8
Southern States	SS 4915NS R2	RR2Y/STS	4.9		2.0	45	3	2.3	2972	84.1
Asgrow	AG49X6	RR2X	4.9		2.0	42	9	2.3	3248	83.2
Southern States	SS 4717NS X	RR2X/STS	4.7		2.0	47	3	2.3	2656	82.5
Southern Harves	SH 4817 LL	LL	4.8		1.7	38	9	3.0	2988	82.4
Southern States	SS 4918N X	RR2X/STS	4.9		1.7	37	9	3.0	2600	82.3
Pioneer	P48T53R	RR	4.8		2.0	40	3	3.0	3037	81.3
Dyna-Gro	S48XT56	RR2X	4.8		1.7	42	3	2.7	2582	81.3
Asgrow	AG47X6	RR2X/STS	4.7		1.7	46	5	3.0	2829	80.5
CZ	4898 RY	RR2Y	4.8		2.7	46	3	2.7	2628	80.3
Stine	48LI32	LL	4.8		1.8	40	15	2.7	2853	80.3
Axis	4817NRXS	RR2X/STS	4.8		2.5	48	1	2.0	2669	80.3
USG	ELLIS	Conv	4.9		2.5	36	1	2.0	3324	79.7
Doeblers	RPM DB4715RR	RR	4.7		2.5	44	8	3.0	2906	79.5
USG	74A92R	RR2Y	4.9		2.2	42	9	2.7	2690	78.0
Virginia Tech	V12-0253R2	RR2Y	4.8		3.5	38	3	2.0	2821	77.9
Dyna-Gro	S49XS76	RR2X/STS	4.9		2.0	45	14	3.0	3096	76.8
Southern States	SS 4725NS R2	RR2Y/STS	4.7		1.7	44	6	3.0	3078	75.9
USG	7496XTS	RR2X/STS	4.9		2.2	40	10	2.7	3144	75.9
Southern States	SS 4917N R2	RR2Y	4.9		2.2	42	14	3.3	2731	73.9
CZ	4818 LL	LL	4.8		3.0	49	2	3.0	3055	71.9
Southern States	SS 4714NS R2	RR2Y/STS	4.7		2.0	41	2	2.3	3018	71.6
CZ	4959 RY	RR2Y	4.9		2.2	39	13	3.3	2796	66.6
Virginia Tech	V12-0963	RR	4.6		2.7	44	1	2.0	3614	64.5
CZ	4748 LL	LL	4.7		1.8	35	9	3.0	2975	57.9
LSD P=.10					0.6	6	5	0.5	185	11.0
CV					18.5	11	67	14.0	5	10.0
Grand Mean					2.2	43	5	2.5	2930	80.9

Table 4c. Performance of Full-Season Late Maturity Group IV Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Asgrow	AG47X6	RR2X/STS	4.7		1.0	42	5	3.3	3292	39.4
Southern States	SS 4725NS R2	RR2Y/STS	4.7		1.0	40	6	3.0	3323	38.9
USG	7477XTS	RR2X/STS	4.7		1.0	42	4	3.0	3259	38.8
Asgrow	AG49X6	RR2X	4.9		1.3	38	4	2.7	3512	38.5
Asgrow	AG4835	RR2Y/STS	4.8		1.0	38	1	3.0	4030	38.2
Southern Harves	SH 4817 LL	LL	4.8		1.0	35	8	3.0	3588	37.4
Stine	49LH02	LL	4.9		1.0	37	2	3.0	3324	37.4
CZ	4898 RY	RR2Y	4.8		1.0	36	3	3.0	3089	37.3
Hubner	H48-13R2/STS	RR2Y/STS	4.8		1.0	41	8	3.0	3422	37.1
USG	ELLIS	Conv	4.9		1.2	40	3	3.0	3813	37.0
Southern States	SS 4917N R2	RR2Y	4.9		1.0	38	3	3.0	3082	37.0
Southern States	SS 4915NS R2	RR2Y/STS	4.9		1.3	42	5	3.0	3448	36.5
Dyna-Gro	S48XT56	RR2X	4.8		1.0	38	4	3.0	2956	36.3
USG	74K95RS	RR2Y/STS	4.9		1.2	42	4	3.0	3275	36.3
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8		1.7	42	5	3.0	3183	36.0
Southern States	SS 4714NS R2	RR2Y/STS	4.7		1.0	39	4	3.0	3236	35.8
Southern States	SS 4717NS X	RR2X/STS	4.7		1.0	41	4	3.0	3272	35.6
USG	7496XTS	RR2X/STS	4.9		1.2	41	6	3.0	3435	35.6
Axis	4817NRXS	RR2X/STS	4.8		1.0	47	5	3.0	3372	35.4
Dyna-Gro	S48RS53	RR2Y/STS	4.8		1.2	41	6	3.0	3544	34.9
Stine	48LI32	LL	4.8		1.0	39	7	3.0	3826	34.7
Southern States	SS 4918N X	RR2X/STS	4.9		1.0	36	4	3.0	2909	34.5
USG	74A92R	RR2Y	4.9		1.0	38	4	3.0	3451	34.4
NK	S47-K5	RR2Y	4.7		1.0	37	4	3.0	3482	34.2
CZ	4959 RY	RR2Y	4.9		1.0	38	3	3.0	3048	33.9
Pioneer	P48T53R	RR	4.8		1.2	38	4	3.0	3766	33.8
USG	7487XTS	RR2X/STS	4.8		1.2	41	5	3.0	3363	33.7
Stine	48RI02	RR2Y/STS	4.8		1.0	39	2	2.0	4067	33.5
Virginia Tech	V12-0253R2	RR2Y	4.8		1.0	34	4	3.0	3467	33.3
Doeblers	RPM DB4715RR	RR	4.7		1.0	37	6	3.0	3425	33.1
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.2	40	9	3.0	3377	32.9
CZ	4656 RY	RR2Y	4.6		1.2	39	4	3.0	2990	32.5
CZ	4748 LL	LL	4.7		1.3	37	7	3.0	3499	31.7
Channel	4916R2X/SR	RR2X/STS	4.9		1.0	38	10	3.0	3276	31.7
Stine	48RI23	RR2Y	4.8		1.0	39	1	3.0	4437	30.6
Virginia Tech	V12-0963	RR	4.6		1.5	36	2	3.0	4730	28.3
CZ	4818 LL	LL	4.8		1.0	39	3	3.0	3702	25.7
LSD P=.10					0.3	4	3	0.2	223	5.7
CV					21.3	8	51	5.4	5	12.1
Grand Mean					1.1	39	5	3.0	3477	34.7

Table 4d. Performance of Full-Season Late Maturity Group IV Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Stine	49LH02	LL	4.9	13-Oct	1.5	46	1	3.3	2714	92.2
USG	7477XTS	RR2X/STS	4.7	13-Oct	1.7	46	1	3.0	2702	92.1
Dyna-Gro	S49XS76	RR2X/STS	4.9	13-Oct	1.5	40	5	3.0	2907	92.1
Southern States	SS 4725NS R2	RR2Y/STS	4.7	13-Oct	1.5	42	3	3.0	2863	91.3
Southern States	SS 4717NS X	RR2X/STS	4.7	13-Oct	1.3	45	2	3.0	2640	90.5
USG	7487XTS	RR2X/STS	4.8	13-Oct	1.2	43	1	3.0	2672	87.8
USG	74K95RS	RR2Y/STS	4.9	13-Oct	2.0	41	1	2.0	3125	87.8
Axis	4817NRXS	RR2X/STS	4.8	13-Oct	1.2	42	1	3.0	2672	86.8
USG	ELLIS	Conv	4.9	13-Oct	1.0	32	2	2.3	3199	86.5
Southern States	SS 4915NS R2	RR2Y/STS	4.9	13-Oct	1.3	40	2	2.0	3047	86.4
Asgrow	AG4835	RR2Y/STS	4.8	13-Oct	1.3	42	1	2.3	3534	85.8
USG	7496XTS	RR2X/STS	4.9	13-Oct	1.7	31	4	3.0	2937	85.7
Hubner	H48-13R2/STS	RR2Y/STS	4.8	13-Oct	1.2	40	4	2.0	3014	85.6
Stine	48LI32	LL	4.8	13-Oct	1.5	42	4	3.0	2862	84.6
Stine	48RI02	RR2Y/STS	4.8	13-Oct	1.5	41	1	3.0	3489	84.0
Dyna-Gro	S48RS53	RR2Y/STS	4.8	13-Oct	1.5	38	4	2.0	2850	83.7
Asgrow	AG49X6	RR2X	4.9	13-Oct	2.0	41	3	3.0	3153	83.6
Asgrow	AG47X6	RR2X/STS	4.7	7-Oct	1.7	41	3	3.0	2905	81.7
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8	13-Oct	1.3	42	4	3.0	2899	81.6
Southern States	SS 4917N R2	RR2Y	4.9	13-Oct	1.3	39	3	3.0	2803	81.4
CZ	4959 RY	RR2Y	4.9	13-Oct	1.7	38	1	3.0	2676	80.0
Channel	4916R2X/SR	RR2X/STS	4.9	13-Oct	1.5	39	8	3.3	2986	79.5
Southern States	SS 4714NS R2	RR2Y/STS	4.7	13-Oct	1.2	41	3	3.0	2736	79.4
Southern States	SS 4918N X	RR2X/STS	4.9	13-Oct	1.3	34	6	3.0	2539	79.1
Stine	48RI23	RR2Y	4.8	7-Oct	1.2	39	3	3.0	3449	78.8
CZ	4656 RY	RR2Y	4.6	13-Oct	1.3	39	4	3.0	2463	78.0
CZ	4748 LL	LL	4.7	13-Oct	1.7	38	8	3.0	2758	77.9
NK	S47-K5	RR2Y	4.7	13-Oct	1.3	36	3	3.0	2997	76.0
USG	74A92R	RR2Y	4.9	13-Oct	1.5	37	1	2.3	2732	73.8
CZ	4818 LL	LL	4.8	7-Oct	1.7	41	2	3.0	3191	72.1
Dyna-Gro	S48XT56	RR2X	4.8	13-Oct	1.0	33	6	3.0	2637	71.9
Southern Harves	SH 4817 LL	LL	4.8	13-Oct	1.2	38	13	3.0	2859	71.4
Doeblers	RPM DB4715RR	RR	4.7	7-Oct	1.3	36	6	3.0	2856	70.4
CZ	4898 RY	RR2Y	4.8	13-Oct	2.5	39	4	3.3	2704	64.0
Pioneer	P48T53R	RR	4.8	7-Oct	1.2	35	4	3.0	3287	61.0
Virginia Tech	V12-0963	RR	4.6	13-Oct	2.7	40	1	2.3	4161	59.3
Virginia Tech	V12-0253R2	RR2Y	4.8	13-Oct	1.0	26	7	3.0	3206	54.7
LSD P=.10				0.0	0.7	6	2	0.4	146	11.7
CV				0.0	34.4	11	52	9.3	4	10.9
Grand Mean				12-Oct	1.5	39	3	2.8	2955	79.2

Table 4e. Performance of Full-Season Late Maturity Group IV Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Channel	4916R2X/SR	RR2X/STS	4.9	19-Oct	1.6	41	6	3.0	3324	62.6
Southern States	SS 4717NS X	RR2X/STS	4.7	19-Oct	2.2	40	1	3.0	3053	62.0
USG	74K95RS	RR2Y/STS	4.9	19-Oct	2.1	41	1	3.0	3479	61.7
Stine	48RI02	RR2Y/STS	4.8	19-Oct	1.8	39	0	3.7	3853	61.2
Dyna-Gro	S49XS76	RR2X/STS	4.9	19-Oct	1.7	42	5	3.0	3537	60.7
USG	ELLIS	Conv	4.9	19-Oct	1.8	36	2	3.0	4293	60.6
Southern States	SS 4917N R2	RR2Y	4.9	18-Oct	1.7	39	5	3.0	3103	60.0
Asgrow	AG4835	RR2Y/STS	4.8	19-Oct	2.0	39	1	3.0	3808	59.9
Pioneer	P48T53R	RR	4.8	17-Oct	1.7	36	7	3.0	3549	59.7
Virginia Tech	V12-0253R2	RR2Y	4.8	19-Oct	1.6	28	5	3.0	3714	59.7
Axis	4817NRXS	RR2X/STS	4.8	19-Oct	2.1	40	2	3.3	3296	59.5
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8	20-Oct	2.2	40	2	3.0	3467	59.0
USG	7496XTS	RR2X/STS	4.9	19-Oct	1.4	38	5	3.0	3485	57.9
Southern States	SS 4915NS R2	RR2Y/STS	4.9	19-Oct	1.9	40	2	3.0	3520	57.9
Stine	49LH02	LL	4.9	18-Oct	1.5	38	1	3.0	3754	57.9
USG	7487XTS	RR2X/STS	4.8	19-Oct	2.0	42	3	3.0	3217	56.8
Southern Harves	SH 4817 LL	LL	4.8	18-Oct	1.5	37	19	3.0	3506	56.3
Stine	48LI32	LL	4.8	11-Oct	1.6	39	15	3.3	3854	55.7
CZ	4898 RY	RR2Y	4.8	17-Oct	2.8	38	3	3.0	3076	55.5
Southern States	SS 4725NS R2	RR2Y/STS	4.7	15-Oct	1.6	39	2	3.0	3372	55.1
Dyna-Gro	S48RS53	RR2Y/STS	4.8	19-Oct	1.9	42	3	3.0	3599	55.0
Southern States	SS 4714NS R2	RR2Y/STS	4.7	18-Oct	1.5	38	7	3.0	3266	53.6
CZ	4818 LL	LL	4.8	19-Oct	3.0	35	7	3.0	3601	53.2
USG	74A92R	RR2Y	4.9	18-Oct	1.5	37	7	3.0	3168	53.2
Hubner	H48-13R2/STS	RR2Y/STS	4.8	18-Oct	1.6	41	2	3.0	3635	52.8
Asgrow	AG49X6	RR2X	4.9	17-Oct	1.6	37	9	3.0	3617	51.7
Stine	48RI23	RR2Y	4.8	18-Oct	1.6	38	2	3.0	4104	51.5
USG	7477XTS	RR2X/STS	4.7	18-Oct	1.9	38	5	3.0	3281	51.4
CZ	4748 LL	LL	4.7	16-Oct	1.4	35	19	3.0	3451	51.2
Doeblers	RPM DB4715RR	RR	4.7	17-Oct	1.6	37	15	3.0	3392	51.2
CZ	4959 RY	RR2Y	4.9	18-Oct	1.3	37	4	3.0	3212	50.8
NK	S47-K5	RR2Y	4.7	16-Oct	1.6	35	24	3.0	3534	49.7
Asgrow	AG47X6	RR2X/STS	4.7	18-Oct	1.8	39	15	3.0	3002	48.8
Southern States	SS 4918N X	RR2X/STS	4.9	18-Oct	1.2	32	9	3.0	3041	48.3
Dyna-Gro	S48XT56	RR2X	4.8	19-Oct	1.3	32	11	3.0	2943	46.6
CZ	4656 RY	RR2Y	4.6	18-Oct	1.8	37	7	3.0	2982	46.2
Virginia Tech	V12-0963	RR	4.6	17-Oct	1.8	38	3	3.0	4826	44.3
LSD P=.10				2.3	0.5	3	6	0.3	270	10.1
CV				3.5	19.4	7	68	6.0	6	13.6
Grand Mean				18-Oct	1.8	38	6	3.0	3491	55.0

Table 4f. Performance of Double-Crop Late Maturity Group IV Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
USG	7477XTS	RR2X/STS	4.7		1.0	39	2	3.0	2634	54.5
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.0	34	0	3.0	2485	51.9
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.0	35	4	2.0	2444	49.9
Axis	4817NRXS	RR2X/STS	4.8		1.0	36	4	2.0	2581	49.4
Southern States	SS 4915NS R2	RR2Y/STS	4.9		1.2	41	4	2.0	2698	49.4
GFS-HISOY	HS46X60	RR2Y/STS	4.6		1.0	37	3	3.0	2482	49.2
Asgrow	AG47X6	RR2X/STS	4.7		1.0	37	11	3.0	2459	49.1
Channel	4916R2/STS	RR2Y/STS	4.8		1.0	37	1	3.0	2439	48.7
Asgrow	AG49X6	RR2X	4.9		1.0	34	3	2.0	2715	48.3
Southern States	SS 4717NS X	RR2X/STS	4.7		1.0	39	4	3.0	2432	47.9
Stine	48RI23	RR2Y	4.8		1.0	35	2	2.0	3162	47.8
Southern States	SS 4918N X	RR2X	4.9		1.0	32	2	2.0	2382	47.2
USG	74K95RS	RR2Y/STS	4.9		1.0	40	2	2.0	2626	46.8
Progeny Ag	P 4757RY	RR2Y	4.7		1.0	34	2	3.0	2650	46.2
USG	7496XTS	RR2X/STS	4.9		1.0	33	3	2.0	2519	46.2
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.0	38	4	3.0	2674	46.0
Hubner	H48-13R2/STS	RR2Y/STS	4.8		1.0	39	2	3.0	2709	45.5
Progeny Ag	P 4799RXS	RR2X/STS	4.7		1.0	32	3	3.0	2251	45.2
Dyna-Gro	S48RS53	RR2Y/STS	4.8		1.0	40	6	3.0	2675	45.2
Doeblers	RPM DB4715RR	RR	4.7		1.0	31	1	3.0	2381	45.1
Stine	48LI32	LL	4.8		1.0	34	5	3.0	2856	45.1
Progeny Ag	P 4788RY	RR2Y	4.7		1.0	32	3	3.0	2293	44.8
Pioneer	P49T09BR	BOLT, RR	4.9		1.0	35	2	2.0	2865	44.8
Pioneer	P48T53R	RR	4.8		1.0	29	6	3.0	2971	43.8
USG	ELLIS	Conv	4.9		1.0	31	1	2.0	3358	43.0
Progeny Ag	P 4944RX	RR2X	4.9		1.0	30	3	3.0	2781	41.9
CZ	4748 LL	LL	4.7		1.0	28	4	3.0	2704	41.7
CZ	4959 RY	RR2Y	4.9		1.0	27	1	2.0	2329	40.7
USG	7487XTS	RR2X/STS	4.8		1.0	38	4	3.0	2578	40.3
Progeny Ag	P 4816RX	RR2X	4.8		1.0	34	3	2.0	2638	40.1
Virginia Tech	V12-0253R2	RR2Y	4.8		1.0	28	1	2.0	2964	39.9
USG	74A92R	RR2Y	4.9		1.0	30	1	3.0	2394	39.5
CZ	4898 RY	RR2Y	4.8		1.0	29	1	2.0	2635	39.0
Asgrow	AG4835	RR2Y/STS	4.8		1.0	34	3	3.0	2962	38.5
Southern Harves	SH 4817 LL	LL	4.8		1.0	29	4	3.0	2985	37.1
CZ	4818 LL	LL	4.8		1.0	36	2	2.0	3171	35.3
Virginia Tech	V12-0963	RR	4.6		1.0	30	0	2.0	3649	35.3
LSD P=.10					0.1	3	3	0.5	168	8.8
CV					4.6	6	71	15.4	5	14.7
Grand Mean					1.0	34	3	2.5	2687	44.2

Table 4g. Performance of Double-Crop Late Maturity Group IV Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Channel	4916R2/STS	RR2Y/STS	4.8		1.3	36	7	3.0	4410	35.2
Stine	48LI32	LL	4.8		1.0	35	2	3.0	4717	34.7
Asgrow	AG47X6	RR2X/STS	4.7		1.0	38	3	3.0	3985	34.1
Pioneer	P49T09BR	BOLT, RR	4.9		1.3	36	5	3.0	4779	33.8
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.0	38	4	3.0	4586	33.4
Asgrow	AG49X6	RR2X	4.9		1.0	34	2	3.0	4511	33.1
Southern Harves	SH 4817 LL	LL	4.8		1.0	35	5	3.0	4540	32.6
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.3	35	6	3.0	4093	32.6
USG	7496XTS	RR2X/STS	4.9		1.0	36	7	3.0	4371	32.5
Asgrow	AG4835	RR2Y/STS	4.8		1.3	38	1	2.0	4762	32.1
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.3	38	7	3.0	4108	31.9
GFS-HISOY	HS46X60	RR2Y/STS	4.6		1.3	41	7	3.0	4034	31.9
CZ	4748 LL	LL	4.7		1.0	35	5	3.0	4487	31.7
USG	ELLIS	Conv	4.9		1.3	33	2	3.0	5206	31.7
Progeny Ag	P 4757RY	RR2Y	4.7		1.0	35	5	3.0	4546	31.5
Hubner	H48-13R2/STS	RR2Y/STS	4.8		1.3	37	6	3.0	4178	31.5
Virginia Tech	V12-0253R2	RR2Y	4.8		1.7	33	3	3.0	4763	31.4
Progeny Ag	P 4944RX	RR2X	4.9		1.0	30	5	3.0	4510	31.0
Southern States	SS 4717NS X	RR2X/STS	4.7		1.3	40	6	3.0	4230	30.9
USG	7487XTS	RR2X/STS	4.8		1.3	40	7	3.0	3907	30.9
Axis	4817NRXS	RR2X/STS	4.8		1.3	41	7	3.0	4245	30.7
Progeny Ag	P 4799RXS	RR2X/STS	4.7		1.0	33	9	3.0	4046	30.6
Doeblers	RPM DB4715RR	RR	4.7		1.0	33	2	3.0	4366	30.5
Stine	48RI23	RR2Y	4.8		1.0	38	1	3.0	4865	30.5
Pioneer	P48T53R	RR	4.8		1.0	34	1	3.0	4975	30.4
Progeny Ag	P 4788RY	RR2Y	4.7		1.0	35	7	3.0	4009	30.3
USG	7477XTS	RR2X/STS	4.7		1.3	37	8	3.0	4073	30.1
Southern States	SS 4915NS R2	RR2Y/STS	4.9		1.0	40	7	3.0	4338	30.1
CZ	4898 RY	RR2Y	4.8		1.3	31	1	2.3	3975	30.0
Dyna-Gro	S48RS53	RR2Y/STS	4.8		1.0	39	6	3.0	4295	29.2
USG	74K95RS	RR2Y/STS	4.9		1.3	40	5	3.0	4504	28.6
USG	74A92R	RR2Y	4.9		1.0	35	5	3.0	3973	27.4
Southern States	SS 4918N X	RR2X	4.9		1.0	29	2	3.0	3829	27.2
Virginia Tech	V12-0963	RR	4.6		1.0	32	0	3.0	5810	27.1
CZ	4959 RY	RR2Y	4.9		1.0	32	4	3.0	3934	26.8
CZ	4818 LL	LL	4.8		1.0	37	2	3.0	4607	26.6
Progeny Ag	P 4816RX	RR2X	4.8		1.7	35	6	3.0	4130	20.8
LSD P=.10					0.5	4	3	0.1	281	6.1
CV					29.9	8	44	3.2	5	14.7
Grand Mean					1.2	36	4	2.9	4361	30.5

Table 4h. Performance of Double-Crop Late Maturity Group IV Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Stine	48RI23	RR2Y	4.8		1.0	26	1	3.0	2886	48.1
Stine	48LI32	LL	4.8		1.0	24	5	3.0	2486	47.4
Asgrow	AG49X6	RR2X	4.9		1.0	26	2	3.0	2644	47.0
USG	7487XTS	RR2X/STS	4.8		1.0	28	3	3.0	2491	46.2
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5		1.0	28	4	3.0	2513	46.0
Dyna-Gro	S48RS53	RR2Y/STS	4.8		1.0	29	3	3.0	2455	45.4
Axis	4817NRXS	RR2X/STS	4.8		1.0	28	2	3.0	2518	45.4
GFS-HISOY	HS46X60	RR2Y/STS	4.6		1.0	28	2	3.0	2501	45.0
USG	7496XTS	RR2X/STS	4.9		1.0	29	1	3.0	2514	44.9
USG	74K95RS	RR2Y/STS	4.9		1.0	30	3	3.0	2607	44.5
USG	ELLIS	Conv	4.9		1.0	31	0	3.0	3282	44.5
USG	7477XTS	RR2X/STS	4.7		1.0	28	2	3.0	2454	44.2
Southern States	SS 4717NS X	RR2X/STS	4.7		1.0	28	2	3.0	2404	44.0
Progeny Ag	P 4757RY	RR2Y	4.7		1.0	26	2	3.0	2411	43.0
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.0	26	1	3.0	2586	42.8
Progeny Ag	P 4944RX	RR2X	4.9		1.0	24	4	3.0	2536	42.0
CZ	4898 RY	RR2Y	4.8		1.0	22	3	3.0	2405	41.9
CZ	4959 RY	RR2Y	4.9		1.0	23	0	3.0	2365	41.7
Doeblers	RPM DB4715RR	RR	4.7		1.0	27	5	3.0	2486	41.6
Southern Harves	SH 4817 LL	LL	4.8		1.0	28	7	3.0	2441	41.3
Southern States	SS 4915NS R2	RR2Y/STS	4.9		1.0	27	2	3.0	2466	41.1
Virginia Tech	V12-0253R2	RR2Y	4.8		1.0	24	0	3.0	2707	41.1
Hubner	H48-13R2/STS	RR2Y/STS	4.8		1.0	27	1	2.7	2455	40.9
Progeny Ag	P 4788RY	RR2Y	4.7		1.0	27	9	3.0	2190	40.8
Asgrow	AG4835	RR2Y/STS	4.8		1.0	27	1	3.0	2873	40.4
Channel	4916R2/STS	RR2Y/STS	4.8		1.0	25	2	3.0	2510	40.4
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.0	25	1	3.0	2297	40.0
USG	74A92R	RR2Y	4.9		1.0	25	1	3.0	2365	39.3
Progeny Ag	P 4799RXS	RR2X/STS	4.7		1.0	28	4	3.0	2437	38.7
CZ	4748 LL	LL	4.7		1.0	25	8	3.3	2442	38.0
Asgrow	AG47X6	RR2X/STS	4.7		1.0	27	3	3.0	2445	37.9
CZ	4818 LL	LL	4.8		1.0	28	1	3.0	2918	36.2
Pioneer	P48T53R	RR	4.8		1.0	22	7	3.0	2709	35.8
Southern States	SS 4918N X	RR2X	4.9		1.0	22	3	3.0	2244	35.6
Progeny Ag	P 4816RX	RR2X	4.8		1.0	23	1	3.0	2159	35.5
Pioneer	P49T09BR	BOLT, RR	4.9		1.0	25	1	3.0	2918	34.6
Virginia Tech	V12-0963	RR	4.6		1.0	24	1	3.0	3529	30.5
LSD P=.10					0.0	3	2	0.2	118	5.1
CV					0.0	10	58	4.3	3	9.0
Grand Mean					1.0	26	3	3.0	2554	41.4

Table 4i. Performance of Double-Crop Late Maturity Group IV Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Hubner	H48-13R2/STS	RR2Y/STS	4.8	20-Oct	1.3	27	0	3.0	3150	62.2
GFS-HISOY	HS52T60	RR2Y/STS	5.2	20-Oct	1.3	27	0	3.0	2821	61.9
Doeblers	RPM DB4715RR	RR	4.7	20-Oct	1.3	29	0	3.0	2695	59.2
USG	7477XTS	RR2X/STS	4.7	20-Oct	1.8	31	0	3.0	2976	57.9
Stine	48RI23	RR2Y	4.8	20-Oct	1.0	27	0	2.7	3291	57.2
Progeny Ag	P 4816RX	RR2X	4.8	20-Oct	1.2	26	0	3.0	2408	57.1
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	20-Oct	1.3	32	0	3.0	2849	56.9
Progeny Ag	P 4944RX	RR2X	4.9	20-Oct	1.2	27	0	3.0	3039	56.6
Progeny Ag	P 4757RY	RR2Y	4.7	20-Oct	1.3	29	1	3.0	2821	56.1
Asgrow	AG4835	RR2Y/STS	4.8	20-Oct	1.7	28	0	3.0	3480	56.0
Dyna-Gro	S48RS53	RR2Y/STS	4.8	20-Oct	1.3	30	0	3.0	3380	55.9
USG	7487XTS	RR2X/STS	4.8	20-Oct	1.7	30	0	3.0	3048	55.5
Southern States	SS 4717NS X	RR2X/STS	4.7	20-Oct	1.3	29	1	3.0	2985	55.4
Asgrow	AG49X6	RR2X	4.9	20-Oct	1.3	28	0	3.0	3145	55.4
USG	74K95RS	RR2Y/STS	4.9	20-Oct	1.7	29	0	3.0	3169	55.4
Stine	48LI32	LL	4.8	20-Oct	1.2	27	1	3.0	2856	54.5
USG	7496XTS	RR2X/STS	4.9	20-Oct	1.3	28	0	3.0	3176	54.5
GFS-HISOY	HS46X60	RR2Y/STS	4.6	20-Oct	2.3	28	0	3.0	3052	54.4
Asgrow	AG47X6	RR2X/STS	4.7	20-Oct	1.3	28	0	3.0	2717	53.9
Southern States	SS 4915NS R2	RR2Y/STS	4.9	20-Oct	1.2	28	0	3.0	3106	53.9
Axis	4817NRXS	RR2X/STS	4.8	20-Oct	1.0	28	0	3.0	2952	53.6
Southern Harves	SH 4817 LL	LL	4.8	20-Oct	2.5	31	0	3.0	2923	53.1
Pioneer	P48T53R	RR	4.8	20-Oct	1.7	25	1	3.0	2795	53.0
USG	74A92R	RR2Y	4.9	20-Oct	1.2	25	0	3.0	2665	52.9
CZ	4959 RY	RR2Y	4.9	20-Oct	1.5	26	0	3.0	2960	52.3
Southern States	SS 4918N X	RR2X	4.9	20-Oct	1.0	23	0	3.0	2369	52.1
Progeny Ag	P 4788RY	RR2Y	4.7	20-Oct	1.0	29	0	3.0	2466	51.9
Dyna-Gro	S49XS76	RR2X/STS	4.9	20-Oct	1.3	29	0	3.0	3114	50.7
Channel	4916R2/STS	RR2Y/STS	4.8	20-Oct	1.5	31	0	3.0	2964	49.8
Progeny Ag	P 4799RXS	RR2X/STS	4.7	20-Oct	1.0	27	0	3.0	2621	49.2
Pioneer	P49T09BR	BOLT, RR	4.9	20-Oct	1.2	28	0	3.0	3280	49.1
CZ	4898 RY	RR2Y	4.8	20-Oct	1.3	27	0	3.0	2968	47.9
USG	ELLIS	Conv	4.9	20-Oct	1.0	15	0	3.0	3615	44.7
CZ	4818 LL	LL	4.8	20-Oct	2.5	25	0	3.0	3294	44.3
CZ	4748 LL	LL	4.7	20-Oct	1.0	26	2	3.0	2850	43.6
Virginia Tech	V12-0963	RR	4.6	20-Oct	2.3	27	0	3.0	3826	43.2
Virginia Tech	V12-0253R2	RR2Y	4.8	20-Oct	1.0	16	1	3.0	2846	39.7
LSD P=.10				0	0.7	3	1	0.1	208	7.8
CV				0	38.7	8	269	3.1	5	10.7
Grand Mean				20-Oct	1.4	27	0	3.0	2983	53.3

Table 4j. Performance of Double-Crop Late Maturity Group IV Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
GFS-HISOY	HS52T60	RR2Y/STS	5.2	25-Oct	1.2	29	2	3.0	2730	58.8
Stine	48LI32	LL	4.8	23-Oct	1.2	29	2	3.0	3213	58.0
USG	7496XTS	RR2X/STS	4.9	27-Oct	1.2	32	1	3.0	2961	57.9
Dyna-Gro	S48RS53	RR2Y/STS	4.8	29-Oct	1.3	30	0	3.0	2936	57.8
Progeny Ag	P 4816RX	RR2X	4.8	28-Oct	1.2	27	0	3.0	2442	57.7
Dyna-Gro	S49XS76	RR2X/STS	4.9	28-Oct	1.2	32	2	2.3	3014	57.5
Axis	4817NRXS	RR2X/STS	4.8	28-Oct	1.2	32	1	3.0	2838	57.0
GFS-HISOY	HS46X60	RR2Y/STS	4.6	27-Oct	1.2	33	0	3.0	2918	56.5
Southern States	SS 4717NS X	RR2X/STS	4.7	28-Oct	1.2	31	1	3.0	2930	56.4
USG	7487XTS	RR2X/STS	4.8	28-Oct	1.3	34	1	3.0	2816	56.3
USG	ELLIS	Conv	4.9	27-Oct	1.4	33	0	3.0	3681	56.1
Southern States	SS 4918N X	RR2X	4.9	28-Oct	1.2	27	1	3.0	2518	55.8
Southern Harves	SH 4817 LL	LL	4.8	25-Oct	1.2	27	2	3.0	3124	55.7
Progeny Ag	P 4944RX	RR2X	4.9	26-Oct	1.2	27	0	3.0	3097	55.7
Southern States	SS 4915NS R2	RR2Y/STS	4.9	28-Oct	1.2	31	1	3.0	2994	55.2
USG	74A92R	RR2Y	4.9	24-Oct	1.2	27	0	3.0	2741	55.2
Channel	4916R2/STS	RR2Y/STS	4.8	28-Oct	1.2	31	1	3.0	3068	54.7
Asgrow	AG4835	RR2Y/STS	4.8	27-Oct	1.2	28	0	3.0	3294	54.4
Stine	48RI23	RR2Y	4.8	26-Oct	1.2	29	0	2.7	3414	54.4
CZ	4898 RY	RR2Y	4.8	22-Oct	1.2	27	0	3.0	2719	54.3
USG	74K95RS	RR2Y/STS	4.9	28-Oct	1.2	32	1	3.0	3010	54.0
Virginia Tech	V12-0253R2	RR2Y	4.8	24-Oct	1.2	27	1	3.0	3372	53.9
Doeblers	RPM DB4715RR	RR	4.7	24-Oct	1.2	28	0	3.0	2912	53.6
Asgrow	AG49X6	RR2X	4.9	24-Oct	1.2	29	1	2.7	3178	53.3
Progeny Ag	P 4757RY	RR2Y	4.7	22-Oct	1.2	29	2	3.0	3009	52.3
CZ	4818 LL	LL	4.8	21-Oct	1.2	32	0	3.0	3380	51.9
Hubner	H48-13R2/STS	RR2Y/STS	4.8	28-Oct	1.2	29	1	3.0	3021	51.9
CZ	4959 RY	RR2Y	4.9	26-Oct	1.2	26	0	2.7	2703	51.7
Progeny Ag	P 4788RY	RR2Y	4.7	23-Oct	1.2	28	1	3.0	2474	51.4
Progeny Ag	P 4799RXS	RR2X/STS	4.7	26-Oct	1.2	29	2	3.0	2826	51.4
Asgrow	AG47X6	RR2X/STS	4.7	25-Oct	1.2	28	0	3.0	2961	51.1
USG	7477XTS	RR2X/STS	4.7	27-Oct	1.2	28	1	3.0	2846	50.7
CZ	4748 LL	LL	4.7	25-Oct	1.2	28	2	3.0	2941	50.2
Pioneer	P49T09BR	BOLT, RR	4.9	26-Oct	1.2	28	0	3.0	3417	50.0
Pioneer	P48T53R	RR	4.8	20-Oct	1.2	26	1	3.0	3345	47.8
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	25-Oct	1.2	29	1	3.0	3162	46.8
Virginia Tech	V12-0963	RR	4.6	21-Oct	1.2	27	0	3.0	4156	43.8
LSD P=.10				2.07	0.1	3	3	0.5	168	8.8
CV				2.73	4.6	6	71	15.4	5	14.7
Grand Mean				25-Oct	1.2	34	3	2.5	2687	44.2

Table 5a. Performance of Full-Season Early Maturity Group V Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Pioneer	P52T50R	RR	5.2		1.8	39	8	3.3	3297	57.6
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.2	36	9	3.0	2966	56.9
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.0	40	18	3.0	2998	55.7
Stine	51LI32	LL	5.1		1.0	40	12	3.0	3154	54.0
Armor	55-R68	RR2Y	5.5		1.7	34	3	3.0	3174	53.9
NK	S52-Y2	RR2Y	5.2		1.3	40	10	3.3	3416	53.2
USG	7506XTS	RR2X/STS	5.0		1.0	36	19	3.0	3529	53.0
Asgrow	AG5335	RR2Y/STS	5.3		1.0	41	4	4.0	3369	51.7
Southern States	SS4714NSR2	RR2X/STS	4.7		1.2	36	9	3.7	3483	51.0
Doeblers	RPM DB5317SR	RR/STS	5.3		2.2	38	3	3.0	3322	50.6
Doeblers	RPM DB5416R	RR	5.4		1.5	35	16	3.3	3224	50.6
Mycogen Seeds	5N523R2	RR2Y	5.2		1.5	41	9	3.0	3039	49.1
Armor	55-R22	RR2Y	5.5		1.2	36	3	3.0	2791	48.9
Stine	51RH20	RR2Y	5.1		1.0	39	11	4.0	3570	48.4
Asgrow	AG53X6	RR2X	5.3		1.3	36	3	2.7	3062	48.4
Southern Harves	SH 5215 LL	LL	5.2		1.2	36	10	3.0	3406	47.8
Southern States	SS 5016NS X	RR2X/STS	5.0		1.0	38	19	3.3	3564	47.1
Asgrow	AG54X6	RR2X	5.4		1.3	40	3	3.0	3132	46.1
Virginia Tech	V11-3485	RR	5.3		1.0	33	5	3.0	3365	46.1
Stine	54LE23	LL	5.4		1.3	41	3	3.0	3522	46.0
USG	7553nRS	RR	5.5		1.3	35	6	3.0	4264	45.6
USG	7547XT	RR2X/STS	5.4		1.0	33	3	3.0	3454	44.5
USG	75J45R	RR2Y	5.4		1.2	40	3	3.0	2478	44.2
CZ	5225 LL	LL/STS	5.2		1.3	36	4	3.0	3333	43.6
Pioneer	P53T73SR	RR/STS	5.3		1.0	31	8	3.0	3160	42.9
Pioneer	P50T15BR	BOLT/RR	5.0		1.0	34	18	3.0	3418	42.8
Virginia Tech	V12-0063R2	RR2Y	5.5		1.0	29	9	3.0	2802	42.7
University of Ark	UA 5014C	Conv	5.0		1.0	35	8	3.3	3270	42.0
University of Ark	R09-430	Conv	5.1		1.0	31	7	3.3	3510	42.0
Public	Glenn	Conv	5.4		1.7	25	7	3.0	3615	41.9
Axis	5016NRXS	RR2X/STS	5.0		1.0	36	14	3.0	3784	41.5
Virginia Tech	V12-1048	RR	5.0		1.0	29	8	3.0	2911	41.3
CZ	5375 RY	RR2Y	5.3		1.5	33	3	2.7	3159	41.0
CZ	5147 LL	LL	5.1		1.0	33	6	3.0	3299	40.1
Southern Harves	SH 5515 LL	LL	5.5		1.2	37	11	3.0	3785	39.9
Stine	52LI20	LL	5.2		1.0	38	11	3.0	3471	39.4
University of Ark	UA 5213C	Conv	5.2		2.8	35	11	3.0	3561	39.3
CZ	5445 LL	LL	5.4		1.5	36	3	3.0	3383	37.0
Virginia Tech	V12-1416	RR	5.0		1.0	27	2	2.3	3603	36.9
Axis	5417NRX	RR2X	5.4		1.0	30	10	3.0	3764	32.9
Virginia Tech	V12-1376	RR	5.3		1.0	26	6	3.0	3382	32.3
LSD P=.10					0.6	4	5	0.4	467	10.4
CV					36.2	9	44	9.1	10	16.9
Grand Mean					1.2	35	8	3.1	3332	45.6

Table 5b. Performance of Full-Season Early Maturity Group V Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Armor	55-R22	RR2Y	5.5		4.0	46	1	3.0	2405	77.5
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.3	48	4	3.0	2661	77.4
NK	S52-Y2	RR2Y	5.2		1.3	46	6	3.0	2870	73.1
University of Ark	R09-430	Conv	5.1		3.7	40	2	3.0	2877	72.6
USG	7506XTS	RR2X/STS	5.0		1.0	43	7	2.7	3040	70.4
Mycogen Seeds	5N523R2	RR2Y	5.2		1.7	48	3	3.0	2725	70.3
Pioneer	P50T15BR	BOLT/RR	5.0		1.0	43	12	2.7	2855	70.1
Axis	5016NRXS	RR2X/STS	5.0		1.0	43	12	3.0	3054	70.0
Stine	51LI32	LL	5.1		1.3	48	1	2.0	3030	69.5
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.7	46	4	3.0	2673	69.3
Stine	51RH20	RR2Y	5.1		1.0	46	4	3.0	3199	69.2
CZ	5375 RY	RR2Y	5.3		1.3	43	0	2.0	2918	68.3
Pioneer	P52T50R	RR	5.2		1.7	49	1	3.0	3200	68.2
CZ	5225 LL	LL/STS	5.2		2.7	41	0	3.0	2869	68.2
Virginia Tech	V12-1416	RR	5.0		1.7	39	0	3.0	3186	67.3
USG	75J45R	RR2Y	5.4		3.7	45	1	3.0	2888	66.9
Virginia Tech	V12-1048	RR	5.0		1.0	39	2	3.0	2650	66.8
Southern States	SS4714NSR2	RR2X/STS	4.7		1.0	45	3	2.7	2978	66.5
CZ	5147 LL	LL	5.1		2.7	41	0	3.0	3021	66.5
Asgrow	AG54X6	RR2X	5.4		1.3	46	1	3.0	2640	66.3
USG	7547XT	RR2X/STS	5.4		2.3	45	2	3.0	2959	65.6
Armor	55-R68	RR2Y	5.5		5.0	45	0	2.0	2888	65.5
Southern States	SS 5016NS X	RR2X/STS	5.0		1.3	41	10	2.7	3320	64.7
Asgrow	AG5335	RR2Y/STS	5.3		1.0	46	11	3.0	2982	64.3
Southern Harves	SH 5215 LL	LL	5.2		1.3	46	1	3.0	2983	62.8
Pioneer	P53T73SR	RR/STS	5.3		1.0	38	2	3.0	3135	62.7
USG	7553nRS	RR	5.5		3.0	44	0	3.0	3647	62.4
Stine	52LI20	LL	5.2		1.7	46	2	3.0	2942	62.2
Asgrow	AG53X6	RR2X	5.3		3.0	43	0	3.0	2676	60.3
Virginia Tech	V12-0063R2	RR2Y	5.5		2.0	38	2	3.0	2608	58.9
CZ	5445 LL	LL	5.4		1.7	37	0	3.0	3205	58.7
University of Ark	UA 5213C	Conv	5.2		5.0	41	0	3.0	3457	58.2
Axis	5417NRX	RR2X	5.4		2.0	40	2	3.0	3142	58.1
Virginia Tech	V12-1376	RR	5.3		1.0	36	1	3.0	3033	58.1
University of Ark	UA 5014C	Conv	5.0		1.3	41	7	2.3	3007	57.8
Public	Glenn	Conv	5.4		4.7	42	4	3.0	2909	57.7
Stine	54LE23	LL	5.4		1.7	44	1	3.0	2998	56.6
Doeblers	RPM DB5416R	RR	5.4		3.0	43	0	3.0	3089	56.0
Southern Harves	SH 5515 LL	LL	5.5		1.3	43	1	2.3	3279	55.2
Doeblers	RPM DB5317SR	RR/STS	5.3		2.7	46	3	3.0	2964	54.0
Virginia Tech	V11-3485	RR	5.3		3.7	42	1	3.0	2999	49.7
LSD P=.10					0.9	5	3	0.3	239	11.4
CV					31.3	8	81	7.7	6	13.0
Grand Mean					2.1	43	3	2.9	2970	64.5

Table 5c. Performance of Full-Season Early Maturity Group V Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Southern Harves	SH 5215 LL	LL	5.2	20-Oct	1.0	37	1	3.0	2724	76.1
NK	S52-Y2	RR2Y	5.2	20-Oct	1.3	36	3	3.0	2753	74.8
Mycogen Seeds	5N523R2	RR2Y	5.2	20-Oct	1.0	38	1	3.0	2720	72.5
CZ	5375 RY	RR2Y	5.3	20-Oct	1.2	33	0	2.7	2938	71.3
Southern States	SS 5016NS X	RR2X/STS	5.0	20-Oct	1.0	32	10	3.0	2856	70.6
Asgrow	AG54X6	RR2X	5.4	20-Oct	1.2	41	0	3.0	2591	69.6
Doeblers	RPM DB5416R	RR	5.4	20-Oct	1.0	36	1	3.0	2816	69.4
Stine	51RH20	RR2Y	5.1	20-Oct	1.2	34	4	3.0	2935	69.0
Stine	54LE23	LL	5.4	20-Oct	1.5	38	1	2.0	2923	69.0
Armor	55-R68	RR2Y	5.5	20-Oct	1.0	32	0	2.7	2874	69.0
Public	Glenn	Conv	5.4	20-Oct	1.0	25	4	3.7	3006	68.8
Southern States	SS 5215NS R2	RR2Y/STS	5.2	20-Oct	1.5	38	3	2.3	2860	68.7
Stine	51LI32	LL	5.1	20-Oct	1.3	34	1	3.0	2725	68.4
Pioneer	P52T50R	RR	5.2	20-Oct	1.0	35	0	3.0	3163	68.0
CZ	5445 LL	LL	5.4	20-Oct	1.2	30	0	2.7	2714	67.8
CZ	5225 LL	LL/STS	5.2	20-Oct	1.3	30	1	2.0	2793	66.6
USG	7506XTS	RR2X/STS	5.0	20-Oct	1.0	37	7	3.0	2880	66.3
Southern Harves	SH 5515 LL	LL	5.5	20-Oct	1.5	37	0	3.0	2981	65.9
Dyna-Gro	S52RS86	RR2Y/STS	5.2	20-Oct	1.5	38	2	2.3	2673	65.8
University of Ark	R09-430	Conv	5.1	20-Oct	1.2	31	3	3.0	2686	65.5
Virginia Tech	V11-3485	RR	5.3	20-Oct	1.0	28	1	3.0	2799	65.2
Pioneer	P53T73SR	RR/STS	5.3	20-Oct	1.0	30	1	4.0	3044	65.1
Stine	52LI20	LL	5.2	20-Oct	1.3	38	3	3.0	2840	64.2
Asgrow	AG53X6	RR2X	5.3	20-Oct	1.2	34	0	3.0	2433	64.2
Asgrow	AG5335	RR2Y/STS	5.3	20-Oct	1.2	39	6	3.0	2882	64.1
USG	75J45R	RR2Y	5.4	20-Oct	1.3	36	1	3.0	2857	63.2
Doeblers	RPM DB5317SR	RR/STS	5.3	20-Oct	1.5	36	0	3.0	2987	62.6
University of Ark	UA 5014C	Conv	5.0	20-Oct	1.0	31	2	3.0	2766	62.5
Axis	5016NRXS	RR2X/STS	5.0	20-Oct	1.0	34	9	3.0	2881	62.0
CZ	5147 LL	LL	5.1	20-Oct	1.0	28	0	2.3	2700	62.0
USG	7547XT	RR2X/STS	5.4	20-Oct	1.3	32	2	3.0	3028	61.4
University of Ark	UA 5213C	Conv	5.2	20-Oct	1.7	30	3	2.7	3199	61.0
Virginia Tech	V12-0063R2	RR2Y	5.5	20-Oct	1.0	26	2	3.0	2468	60.5
Armor	55-R22	RR2Y	5.5	20-Oct	1.0	37	0	3.0	2450	60.1
Southern States	SS4714NSR2	RR2X/STS	4.7	20-Oct	1.0	35	7	3.3	2787	58.6
Pioneer	P50T15BR	BOLT/RR	5.0	20-Oct	1.0	36	12	3.3	2821	58.5
Virginia Tech	V12-1416	RR	5.0	20-Oct	1.0	27	0	3.0	3114	58.1
USG	7553nRS	RR	5.5	20-Oct	1.0	35	1	3.0	3663	54.4
Virginia Tech	V12-1048	RR	5.0	20-Oct	1.0	28	1	3.0	2519	53.0
Axis	5417NRX	RR2X	5.4	20-Oct	1.0	31	3	3.0	3022	51.4
Virginia Tech	V12-1376	RR	5.3	20-Oct	1.0	26	1	2.0	2906	46.4
LSD P=.10				0.0	0.3	4	2	0.4	134	10.6
CV				0.0	21.9	10	79	9.7	3	12.1
Grand Mean				20-Oct	1.2	33	2	2.9	2848	64.3

Table 5d. Performance of Full-Season Early Maturity Group V Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Stine	54LE23	LL	5.4		1.7	37	2	3.0	2636	42.7
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.7	39	3	3.0	2490	41.9
Mycogen Seeds	5N523R2	RR2Y	5.2		1.7	37	1	3.0	2643	41.6
University of Ark	UA 5213C	Conv	5.2		3.3	41	1	3.0	2795	41.6
Axis	5016NRXS	RR2X/STS	5.0		1.2	35	6	3.3	2874	38.9
Pioneer	P50T15BR	BOLT/RR	5.0		1.5	35	4	3.3	2880	38.8
Doeblers	RPM DB5317SR	RR/STS	5.3		1.3	43	2	3.0	2760	38.6
Virginia Tech	V12-1416	RR	5.0		1.3	35	0	4.0	2950	38.4
Virginia Tech	V12-0063R2	RR2Y	5.5		1.5	37	2	3.7	2374	38.1
Stine	52LI20	LL	5.2		1.0	36	4	3.0	2764	37.8
Southern States	SS4714NSR2	RR2X/STS	4.7		1.0	36	6	3.0	2809	37.7
CZ	5147 LL	LL	5.1		1.7	32	1	3.0	2668	37.2
Pioneer	P53T73SR	RR/STS	5.3		1.3	32	0	2.7	2930	36.9
Southern Harves	SH 5515 LL	LL	5.5		1.3	34	1	3.0	3081	36.6
Axis	5417NRX	RR2X	5.4		2.3	41	1	3.7	2713	36.5
Southern States	SS 5016NS X	RR2X/STS	5.0		1.2	36	5	3.0	2770	36.3
Stine	51LI32	LL	5.1		1.0	34	2	3.3	2931	36.3
Armor	55-R68	RR2Y	5.5		2.7	40	0	3.3	2436	36.3
USG	7547XT	RR2X/STS	5.4		2.0	42	1	3.0	2720	36.1
Southern Harves	SH 5215 LL	LL	5.2		1.0	34	3	3.0	3063	36.0
Stine	51RH20	RR2Y	5.1		1.0	37	5	3.0	2923	35.6
Armor	55-R22	RR2Y	5.5		1.3	39	0	3.0	2198	35.4
USG	75J45R	RR2Y	5.4		3.0	47	0	3.0	2492	35.2
Asgrow	AG54X6	RR2X	5.4		1.3	38	2	3.0	2600	34.8
University of Ark	R09-430	Conv	5.1		1.8	36	0	3.0	2770	34.6
Asgrow	AG53X6	RR2X	5.3		1.7	40	1	3.0	2428	34.1
Virginia Tech	V12-1048	RR	5.0		1.3	38	1	3.3	2296	34.0
Asgrow	AG5335	RR2Y/STS	5.3		1.0	39	2	3.0	2666	33.6
Doeblers	RPM DB5416R	RR	5.4		2.3	41	0	3.0	2512	33.1
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.3	37	2	3.0	2502	32.7
NK	S52-Y2	RR2Y	5.2		1.0	36	2	3.3	2706	32.7
USG	7553nRS	RR	5.5		1.5	39	0	3.0	3259	32.7
University of Ark	UA 5014C	Conv	5.0		1.5	36	1	3.0	2877	32.5
CZ	5375 RY	RR2Y	5.3		2.2	36	1	3.0	2615	32.0
USG	7506XTS	RR2X/STS	5.0		1.0	34	6	3.0	2797	30.6
Pioneer	P52T50R	RR	5.2		1.3	36	1	2.7	2964	29.2
Virginia Tech	V11-3485	RR	5.3		3.0	34	1	3.3	2887	28.5
Public	Glenn	Conv	5.4		2.3	32	1	3.0	3136	25.5
Virginia Tech	V12-1376	RR	5.3		1.0	33	1	2.7	2560	22.4
CZ	5225 LL	LL/STS	5.2		2.0	32	0	3.3	2799	22.0
CZ	5445 LL	LL	5.4		1.5	33	0	3.0	2812	20.8
LSD P=.10					0.7	3	2	0.4	140	8.7
CV					32.4	7	80	10.5	4	15.0
Grand Mean					1.6	37	2	3.1	2730	34.5

Table 5e. Performance of Full-Season Early Maturity Group V Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Pioneer	P50T15BR	BOLT/RR	5.0	19-Oct	1.6	38	3	3.0	3184	61.0
Asgrow	AG5335	RR2Y/STS	5.3	20-Oct	1.5	38	4	3.0	3109	55.5
USG	7553nRS	RR	5.5	21-Oct	1.5	37	1	3.0	4394	53.2
USG	7506XTS	RR2X/STS	5.0	20-Oct	1.4	38	8	3.0	3406	52.2
Southern States	SS4714NSR2	RR2X/STS	4.7	19-Oct	1.4	34	7	3.0	3210	51.0
Virginia Tech	V12-1048	RR	5.0	20-Oct	1.3	31	2	3.0	3054	50.6
Armor	55-R68	RR2Y	5.5	20-Oct	1.9	35	0	3.0	3201	50.3
Virginia Tech	V11-3485	RR	5.3	19-Oct	2.1	33	0	3.0	3489	50.2
Armor	55-R22	RR2Y	5.5	21-Oct	1.7	37	1	3.0	2976	50.0
Mycogen Seeds	5N523R2	RR2Y	5.2	20-Oct	1.7	33	2	3.0	3123	48.6
Doeblers	RPM DB5317SR	RR/STS	5.3	18-Oct	1.5	35	4	3.0	3692	48.5
Stine	52LI20	LL	5.2	20-Oct	1.2	35	4	3.0	3576	48.0
Asgrow	AG53X6	RR2X	5.3	19-Oct	1.6	38	0	3.0	3354	47.6
CZ	5147 LL	LL	5.1	18-Oct	1.5	32	1	3.0	3569	47.4
Virginia Tech	V12-1416	RR	5.0	21-Oct	1.4	33	1	3.0	3663	47.1
University of Ark	UA 5213C	Conv	5.2	19-Oct	1.7	33	3	3.0	3864	46.6
Southern States	SS 5016NS X	RR2X/STS	5.0	20-Oct	1.4	36	8	3.0	3585	45.9
Doeblers	RPM DB5416R	RR	5.4	21-Oct	2.1	36	0	3.0	3372	45.9
Pioneer	P52T50R	RR	5.2	18-Oct	1.4	34	2	3.0	3863	45.0
USG	75J45R	RR2Y	5.4	20-Oct	1.7	38	1	3.0	3435	44.8
CZ	5445 LL	LL	5.4	20-Oct	1.8	34	1	3.0	3334	44.6
Pioneer	P53T73SR	RR/STS	5.3	18-Oct	1.2	33	0	3.0	3525	44.3
Virginia Tech	V12-1376	RR	5.3	20-Oct	1.3	31	1	3.0	3238	42.7
University of Ark	R09-430	Conv	5.1	19-Oct	1.7	32	2	3.0	3356	42.3
Virginia Tech	V12-0063R2	RR2Y	5.5	20-Oct	1.3	30	6	3.0	2893	42.1
Stine	54LE23	LL	5.4	20-Oct	1.3	33	1	3.0	3548	41.5
Axis	5016NRXS	RR2X/STS	5.0	19-Oct	1.2	33	9	3.0	3449	41.1
Southern Harves	SH 5215 LL	LL	5.2	19-Oct	1.2	32	5	3.0	3797	41.1
CZ	5225 LL	LL/STS	5.2	20-Oct	1.8	33	0	3.0	3495	40.4
Dyna-Gro	S52RS86	RR2Y/STS	5.2	21-Oct	1.2	32	6	3.0	3069	39.2
Southern Harves	SH 5515 LL	LL	5.5	19-Oct	1.2	32	4	3.0	3921	38.6
Axis	5417NRX	RR2X	5.4	19-Oct	1.7	36	6	3.0	3549	38.5
Stine	51LI32	LL	5.1	19-Oct	1.2	33	3	3.0	3493	38.4
University of Ark	UA 5014C	Conv	5.0	18-Oct	1.4	32	6	3.0	3895	37.2
Asgrow	AG54X6	RR2X	5.4	23-Oct	1.2	33	4	3.0	2925	36.1
Southern States	SS 5215NS R2	RR2Y/STS	5.2	20-Oct	1.4	33	5	3.0	3299	35.6
Public	Glenn	Conv	5.4	19-Oct	1.4	29	5	3.0	3994	34.4
USG	7547XT	RR2X/STS	5.4	19-Oct	1.4	33	4	3.0	3567	33.5
CZ	5375 RY	RR2Y	5.3	17-Oct	1.2	28	3	3.0	3541	32.5
Stine	51RH20	RR2Y	5.1	19-Oct	1.2	33	13	3.0	3534	32.1
NK	S52-Y2	RR2Y	5.2	19-Oct	1.2	30	14	3.0	3472	25.9
LSD P=.10				2.0	0.4	4	4	0.0	191	17.2
CV				2.9	22.1	8	87	0.0	4	29.0
Grand Mean				19-Oct	1.5	34	4	3.0	3463	43.7

Table 5f. Performance of Double-Crop Early Maturity Group V Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Axis	5016NRXS	RR2X/STS	5.0		1.0	34	5	3.7	2152	50.0
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.0	29	5	3.7	2222	48.5
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.0	35	3	3.0	2215	48.5
Pioneer	P50T15BR	BOLT/RR	5.0		1.0	33	4	3.3	2340	47.9
Mycogen Seeds	5N523R2	RR2Y	5.2		1.0	32	4	3.0	2228	47.7
Southern Harves	SH 5515 LL	LL	5.5		1.0	27	1	3.0	2577	47.3
USG	75J45R	RR2Y	5.4		1.5	39	0	3.0	2348	46.6
Virginia Tech	V12-1376	RR	5.3		1.0	32	2	3.0	2377	46.4
Virginia Tech	V11-3485	RR	5.3		1.8	33	0	3.0	2412	45.5
CZ	5445 LL	LL	5.4		1.7	32	1	3.0	2558	45.2
Southern States	SS 5016NS X	RR2X/STS	5.0		1.0	30	2	3.7	2427	44.9
Virginia Tech	V12-0063R2	RR2Y	5.5		1.3	34	2	3.0	2165	44.8
Progeny Ag	P 5226RYS	RR2Y/STS	5.2		1.0	30	4	4.0	2334	44.1
USG	7506XTS	RR2X/STS	5.0		1.0	32	2	3.7	2398	44.0
Asgrow	AG54X6	RR2X	5.4		1.0	33	1	3.0	2412	44.0
CZ	5147 LL	LL	5.1		1.0	31	2	3.0	2667	43.8
Asgrow	AG5335	RR2Y/STS	5.3		1.0	31	3	3.3	2368	43.8
Stine	51RH20	RR2Y	5.1		1.0	34	3	3.3	2449	43.7
Axis	5417NRX	RR2X	5.4		1.7	32	2	3.0	2571	43.7
Virginia Tech	V12-1048	RR	5.3		1.2	32	0	3.0	2201	43.5
Southern Harves	SH 5215 LL	LL	5.2		1.0	26	2	3.7	2551	43.4
Progeny Ag	P 5016RXS	RR2X/STS	5.0		1.0	32	3	3.0	2489	43.3
USG	75T40	RR	5.4		1.0	33	1	3.0	2607	43.2
USG	7547XT	RR2X/STS	5.4		1.8	35	2	3.0	2612	43.1
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.0	31	5	3.7	2157	42.9
CZ	5225 LL	LL/STS	5.2		1.3	34	1	3.0	2556	42.2
Dyna-Gro	S52RY75	RR2Y	5.2		1.5	34	1	3.0	2436	42.1
Progeny Ag	P 5289RYS	RR2Y/STS	5.2		1.0	35	2	3.3	2709	41.5
Pioneer	P52T50R	RR	5.2		1.0	33	1	3.3	2391	41.4
Virginia Tech	V12-1416	RR	5.5		1.2	32	0	3.0	2676	41.3
Armor	55-R68	RR2Y	5.5		1.3	34	1	3.0	2276	41.3
Armor	55-R22	RR2Y	5.5		1.7	37	1	3.0	2054	41.2
Doeblers	RPM DB5416R	RR	5.4		1.8	35	2	3.0	2509	41.0
Stine	52LI20	LL	5.2		1.0	29	2	3.3	2653	40.1
Pioneer	P53T73SR	RR/STS	5.3		1.0	34	0	3.0	2557	39.8
Doeblers	RPM DB5317SR	RR/STS	5.3		2.0	41	1	3.0	2546	39.4
Asgrow	AG53X6	RR2X	5.3		1.2	34	0	3.0	2258	39.1
Progeny Ag	P 5417RX	RR2X	5.4		1.8	36	0	4.0	2299	38.7
Progeny Ag	P 5414LLS	LL, STS	5.4		2.2	37	0	3.0	2201	38.2
CZ	5375 RY	RR2Y	5.3		1.0	27	1	3.0	2585	36.7
Public	Glenn	Conv	5.4		2.2	35	3	3.0	2902	35.2
LSD P=.10					0.7	3	2	0.4	129	7.1
CV					38.8	7	68	9.2	4	12.2
Grand Mean					1.3	33	2	3.2	2429	43.0

Table 5g. Performance of Double-Crop Early Maturity Group V Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Pioneer	P53T73SR	RR/STS	5.3		1.0	38	1	3.0	3692	48.4
Armor	55-R22	RR2Y	5.5		1.3	37	0	3.0	2569	46.8
Virginia Tech	V12-1376	RR	5.3		1.3	34	1	3.0	3151	45.8
CZ	5225 LL	LL/STS	5.2		1.3	39	1	3.0	3127	45.6
Virginia Tech	V12-1416	RR	5.5		1.0	37	0	3.0	3779	44.9
Doeblers	RPM DB5416R	RR	5.4		2.7	38	2	3.0	2971	44.8
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.3	39	2	3.0	3572	44.8
Axis	5417NRX	RR2X	5.4		2.3	38	1	3.0	3282	44.5
Progeny Ag	P 5226RYS	RR2Y/STS	5.2		1.3	39	2	3.0	3496	44.3
Doeblers	RPM DB5317SR	RR/STS	5.3		1.3	40	0	3.0	3519	44.3
CZ	5445 LL	LL	5.4		1.0	39	0	3.0	3161	44.1
Armor	55-R68	RR2Y	5.5		2.0	40	1	3.0	2811	43.8
Asgrow	AG5335	RR2Y/STS	5.3		1.0	36	3	3.0	3765	43.5
Axis	5016NRXS	RR2X/STS	5.0		1.0	37	5	3.0	4134	43.4
Progeny Ag	P 5414LLS	LL, STS	5.4		2.7	43	1	3.0	2697	43.2
Mycogen Seeds	5N523R2	RR2Y	5.2		1.0	37	2	3.0	3349	43.1
USG	75T40	RR	5.4		1.3	40	0	3.0	3390	42.9
CZ	5375 RY	RR2Y	5.3		1.3	35	1	3.0	3290	42.8
Stine	51RH20	RR2Y	5.1		1.3	40	6	3.0	4017	42.7
Progeny Ag	P 5417RX	RR2X	5.4		2.3	44	0	2.7	2666	42.4
Virginia Tech	V12-1048	RR	5.3		1.0	35	0	3.0	3357	42.3
CZ	5147 LL	LL	5.1		1.0	37	1	3.0	3674	42.2
USG	75J45R	RR2Y	5.4		2.7	41	0	3.0	3013	42.1
Southern States	SS 5016NS X	RR2X/STS	5.0		1.0	39	4	3.0	4030	41.9
Asgrow	AG54X6	RR2X	5.4		1.0	36	0	3.0	3418	41.5
Virginia Tech	V12-0063R2	RR2Y	5.5		2.0	35	1	3.0	3356	41.2
USG	7506XTS	RR2X/STS	5.0		1.0	37	4	3.0	4110	41.0
Southern Harves	SH 5215 LL	LL	5.2		1.0	32	2	3.0	4104	40.5
Pioneer	P50T15BR	BOLT/RR	5.0		1.0	37	7	3.0	3950	40.4
Progeny Ag	P 5016RXS	RR2X/STS	5.0		1.0	37	1	3.0	3530	40.1
Southern Harves	SH 5515 LL	LL	5.5		1.0	34	2	3.0	4164	40.1
Progeny Ag	P 5289RYS	RR2Y/STS	5.2		1.0	39	2	3.0	3556	39.6
Pioneer	P52T50R	RR	5.2		1.3	35	1	3.0	3884	39.3
Dyna-Gro	S52RY75	RR2Y	5.2		2.0	41	0	3.0	3533	38.9
Stine	52LI20	LL	5.2		1.0	35	2	3.0	3786	38.5
Virginia Tech	V11-3485	RR	5.3		2.7	38	0	3.0	3674	38.4
Asgrow	AG53X6	RR2X	5.3		2.0	41	1	3.0	3505	38.3
USG	7547XT	RR2X/STS	5.4		2.0	39	2	3.0	3545	38.2
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.0	36	3	2.3	3498	37.2
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.0	38	2	2.3	3487	35.3
Public	Glenn	Conv	5.4		5.0	31	0	3.0	4528	35.2
LSD P=.10					0.6	3	1	0.2	219	6.1
CV					29.6	7	70	5.1	5	10.7
Grand Mean					1.5	38	2	3.0	3506	42.0

Table 5h. Performance of Double-Crop Early Maturity Group V Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.0	27	1	3.0	2390	51.3
Dyna-Gro	S52RY75	RR2Y	5.2		1.3	31	0	2.0	2556	51.2
Progeny Ag	P 5226RYS	RR2Y/STS	5.2		1.0	29	2	2.7	2253	50.3
CZ	5147 LL	LL	5.1		1.0	28	0	3.3	3112	49.1
Mycogen Seeds	5N523R2	RR2Y	5.2		1.0	25	0	2.3	2361	47.7
Southern Harves	SH 5215 LL	LL	5.2		1.0	26	1	3.3	2616	46.5
Progeny Ag	P 5016RXS	RR2X/STS	5.0		1.0	29	1	3.3	2509	46.2
Stine	52LI20	LL	5.2		1.0	25	1	3.0	2727	46.1
Asgrow	AG5335	RR2Y/STS	5.3		1.0	26	2	2.7	2446	45.7
Asgrow	AG53X6	RR2X	5.3		1.0	28	0	2.0	2382	45.7
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.0	27	0	3.0	2302	45.7
USG	7506XTS	RR2X/STS	5.0		1.0	28	3	3.0	2463	45.5
Southern Harves	SH 5515 LL	LL	5.5		1.0	24	0	4.7	2799	45.4
CZ	5375 RY	RR2Y	5.3		1.0	27	1	2.0	2752	45.3
Progeny Ag	P 5414LLS	LL, STS	5.4		1.7	32	0	3.0	2432	45.2
Armor	55-R68	RR2Y	5.5		1.0	28	0	2.7	2682	45.1
Armor	55-R22	RR2Y	5.5		1.0	31	0	3.0	2394	44.8
USG	75J45R	RR2Y	5.4		1.2	35	0	2.0	2500	44.5
CZ	5225 LL	LL/STS	5.2		1.3	28	0	2.0	2851	44.2
Asgrow	AG54X6	RR2X	5.4		1.0	27	2	3.0	2565	44.2
Doeblers	RPM DB5416R	RR	5.4		1.7	35	1	3.7	2724	44.0
Virginia Tech	V12-0063R2	RR2Y	5.5		1.0	29	1	3.3	2373	43.7
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.0	26	2	3.0	2394	43.5
Axis	5417NRX	RR2X	5.4		1.0	30	0	4.0	2780	42.9
Progeny Ag	P 5289RYS	RR2Y/STS	5.2		1.0	30	0	3.0	2868	42.4
CZ	5445 LL	LL	5.4		1.5	27	0	3.0	2808	42.1
Progeny Ag	P 5417RX	RR2X	5.4		1.0	32	0	3.0	2764	41.8
Stine	51RH20	RR2Y	5.1		1.0	26	3	4.0	2331	41.6
Southern States	SS 5016NS X	RR2X/STS	5.0		1.0	28	3	3.3	2548	41.5
Virginia Tech	V11-3485	RR	5.3		1.0	26	1	3.3	2771	40.7
Public	Glenn	Conv	5.4		1.3	23	0	3.0	2856	40.7
Virginia Tech	V12-1376	RR	5.3		1.0	28	0	3.0	2631	40.4
USG	75T40	RR	5.4		1.0	28	1	2.5	2791	40.3
Doeblers	RPM DB5317SR	RR/STS	5.3		1.0	35	0	3.0	2716	39.9
USG	7547XT	RR2X/STS	5.4		1.0	34	0	2.0	2804	39.7
Virginia Tech	V12-1416	RR	5.5		1.0	29	1	3.0	2853	39.5
Pioneer	P50T15BR	BOLT/RR	5.0		1.0	27	2	2.7	2590	39.3
Axis	5016NRXS	RR2X/STS	5.0		1.0	28	3	2.7	2963	38.9
Pioneer	P52T50R	RR	5.2		1.0	29	0	3.7	2734	38.9
Virginia Tech	V12-1048	RR	5.3		1.0	26	0	3.7	2366	38.3
Pioneer	P53T73SR	RR/STS	5.3		1.0	27	1	3.0	2868	37.4
LSD P=.10					0.3	3	1	0.6	160	4.4
CV					19.7	7	130	13.6	5	7.4
Grand Mean					1.1	28	1	3.0	2602	43.6

Table 5i. Performance of Double-Crop Early Maturity Group V Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
GFS-HISOY	HS52T60	RR2Y/STS	5.2		1.3	29	0	3.0	3097	60.1
Progeny Ag	P 5226RYS	RR2Y/STS	5.2		1.7	32	0	3.0	2987	59.5
Southern States	SS 5016NS X	RR2X/STS	5.0		1.5	31	0	3.0	3424	58.8
Mycogen Seeds	5N523R2	RR2Y	5.2		1.3	27	0	2.3	3182	58.7
Pioneer	P50T15BR	BOLT/RR	5.0		1.3	30	1	3.0	3222	58.0
Southern Harves	SH 5215 LL	LL	5.2		1.5	28	0	3.0	3742	57.9
USG	7506XTS	RR2X/STS	5.0		1.3	32	0	3.0	3451	56.5
Stine	51RH20	RR2Y	5.1		1.3	29	0	3.0	3290	56.0
Armor	55-R68	RR2Y	5.5		1.0	21	0	3.0	3223	55.7
Progeny Ag	P 5016RXS	RR2X/STS	5.0		1.5	28	1	3.0	3378	55.6
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.7	35	0	3.0	3082	55.3
Asgrow	AG53X6	RR2X	5.3		1.0	20	0	3.0	2868	55.0
Asgrow	AG5335	RR2Y/STS	5.3		1.3	29	0	2.7	3340	54.7
Public	Glenn	Conv	5.4		1.0	17	0	3.0	3293	54.1
Southern States	SS 5215NS R2	RR2Y/STS	5.2		1.7	31	0	3.0	3205	53.3
USG	75J45R	RR2Y	5.4		1.3	22	0	3.0	3292	53.2
CZ	5375 RY	RR2Y	5.3		1.2	22	0	3.0	3389	52.6
Dyna-Gro	S52RY75	RR2Y	5.2		1.3	21	0	3.0	3133	52.5
USG	75T40	RR	5.4		1.0	18	0	3.0	3348	52.3
Armor	55-R22	RR2Y	5.5		1.2	21	0	3.0	3001	52.1
Doeblers	RPM DB5416R	RR	5.4		1.3	25	0	3.0	3363	52.0
Virginia Tech	V11-3485	RR	5.3		1.0	16	0	3.0	3529	51.8
Stine	52LI20	LL	5.2		1.7	28	0	3.0	3683	51.4
CZ	5147 LL	LL	5.1		1.2	18	0	3.0	3672	50.0
Progeny Ag	P 5289RYS	RR2Y/STS	5.2		1.7	32	0	3.0	3350	49.9
Southern Harves	SH 5515 LL	LL	5.5		1.7	28	0	3.0	3839	49.9
Axis	5016NRXS	RR2X/STS	5.0		1.3	30	0	3.0	3451	49.4
Progeny Ag	P 5414LLS	LL, STS	5.4		1.3	24	0	3.0	3335	48.3
Pioneer	P52T50R	RR	5.2		1.0	18	0	3.0	3837	46.1
Virginia Tech	V12-1376	RR	5.3		1.0	16	0	3.0	3130	45.8
Virginia Tech	V12-0063R2	RR2Y	5.5		1.0	16	0	3.0	2760	45.4
Pioneer	P53T73SR	RR/STS	5.3		1.2	21	0	3.0	3529	45.2
CZ	5445 LL	LL	5.4		1.0	18	0	3.0	3392	44.8
Virginia Tech	V12-1416	RR	5.5		1.0	17	0	3.0	3673	44.4
CZ	5225 LL	LL/STS	5.2		1.0	20	0	2.7	3365	43.5
Doeblers	RPM DB5317SR	RR/STS	5.3		1.0	18	0	3.0	3347	41.9
Progeny Ag	P 5417RX	RR2X	5.4		1.0	18	0	3.0	3594	41.1
USG	7547XT	RR2X/STS	5.4		1.0	18	0	3.0	3550	39.5
Axis	5417NRX	RR2X	5.4		1.0	20	0	3.0	3676	37.3
Virginia Tech	V12-1048	RR	5.3		1.0	18	0	3.0	2826	36.5
Asgrow	AG54X6	RR2X	5.4		1.2	23	0	3.0	3044	35.2
LSD P=.10					0.3	4	1	0.2	174	7.3
CV					19.2	12	488	5.2	4	10.7
Grand Mean					1.2	23	0	3.0	3337	50.3

Table 5j. Performance of Double-Crop Early Maturity Group V Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Dyna-Gro	S52RS86	RR2Y/STS	5.2	1-Nov	1.3	33	1	3.0	2542	63.9
Axis	5016NRXS	RR2X/STS	5.0	27-Oct	1.2	34	0	3.0	3051	62.0
Mycogen Seeds	5N523R2	RR2Y	5.2	31-Oct	1.3	33	0	3.0	2712	61.9
Progeny Ag	P 5226RYS	RR2Y/STS	5.2	1-Nov	1.3	31	1	3.0	2712	60.9
GFS-HISOY	HS52T60	RR2Y/STS	5.2	1-Nov	1.2	32	2	3.0	2595	60.8
Progeny Ag	P 5016RXS	RR2X/STS	5.0	28-Oct	1.2	33	0	3.0	3076	60.0
Southern Harves	SH 5215 LL	LL	5.2	30-Oct	1.2	31	0	3.0	2962	59.8
CZ	5375 RY	RR2Y	5.3	4-Nov	1.6	31	0	3.0	2917	58.7
Southern States	SS 5215NS R2	RR2Y/STS	5.2	1-Nov	1.2	32	2	3.0	2646	58.1
Armor	55-R68	RR2Y	5.5	2-Nov	1.4	33	0	3.0	2735	58.1
USG	7506XTS	RR2X/STS	5.0	29-Oct	1.2	32	1	3.0	2933	57.8
CZ	5147 LL	LL	5.1	29-Oct	1.2	32	0	3.0	3163	57.7
Pioneer	P52T50R	RR	5.2	28-Oct	1.2	31	0	3.0	3215	57.6
Asgrow	AG5335	RR2Y/STS	5.3	30-Oct	1.2	31	0	3.0	2653	57.6
Doeblers	RPM DB5317SR	RR/STS	5.3	25-Oct	1.3	36	0	3.0	3190	57.5
USG	75J45R	RR2Y	5.4	31-Oct	1.8	37	0	3.0	2659	57.1
Stine	52LI20	LL	5.2	30-Oct	1.2	29	0	3.0	3166	57.0
Dyna-Gro	S52RY75	RR2Y	5.2	1-Nov	2.2	33	0	3.0	2936	56.7
Progeny Ag	P 5414LLS	LL, STS	5.4	1-Nov	1.9	37	0	3.0	2527	56.2
Pioneer	P50T15BR	BOLT/RR	5.0	25-Oct	1.2	31	0	3.0	2963	56.1
Virginia Tech	V12-1416	RR	5.5	1-Nov	1.2	32	0	3.0	3220	55.9
Stine	51RH20	RR2Y	5.1	26-Oct	1.2	33	0	3.0	2868	55.8
Virginia Tech	V12-0063R2	RR2Y	5.5	1-Nov	1.2	31	0	3.0	2522	55.8
Southern Harves	SH 5515 LL	LL	5.5	1-Nov	1.2	29	0	3.0	3089	55.6
Armor	55-R22	RR2Y	5.5	2-Nov	1.2	34	0	3.0	2542	55.5
Asgrow	AG54X6	RR2X	5.4	28-Oct	1.2	31	0	3.0	2687	55.0
Virginia Tech	V11-3485	RR	5.3	29-Oct	1.5	33	0	3.0	3188	55.0
Progeny Ag	P 5417RX	RR2X	5.4	2-Nov	1.3	34	0	3.0	3000	54.5
Progeny Ag	P 5289RYS	RR2Y/STS	5.2	1-Nov	1.4	34	1	3.0	3014	54.1
Pioneer	P53T73SR	RR/STS	5.3	1-Nov	1.2	29	0	3.0	3013	53.4
Public	Glenn	Conv	5.4	25-Oct	1.3	28	1	3.0	3681	51.8
Virginia Tech	V12-1048	RR	5.3	28-Oct	1.2	30	0	3.0	2605	51.2
Axis	5417NRX	RR2X	5.4	3-Nov	1.6	37	0	3.0	3068	50.8
Southern States	SS 5016NS X	RR2X/STS	5.0	30-Oct	1.3	30	0	3.0	2925	50.6
USG	7547XT	RR2X/STS	5.4	4-Nov	1.8	36	0	3.0	2962	48.3
USG	75T40	RR	5.4	31-Oct	1.2	30	0	3.0	3139	48.2
Asgrow	AG53X6	RR2X	5.3	28-Oct	1.2	30	0	3.0	2743	47.2
Virginia Tech	V12-1376	RR	5.3	3-Nov	1.2	26	0	3.0	2682	47.1
CZ	5225 LL	LL/STS	5.2	1-Nov	1.4	26	0	3.0	3107	47.0
Doeblers	RPM DB5416R	RR	5.4	2-Nov	1.6	36	0	3.0	3119	46.9
CZ	5445 LL	LL	5.4	2-Nov	1.4	24	0	3.0	2959	34.0
LSD P=.10				1.88	0.2	3	1	0.0	138	8.6
CV				2.27	13.2	8	235	0.0	3	11.6
Grand Mean				30-Oct	1.3	32	0	3.0	2911	54.6

Table 6a. Performance of Full-Season Late Maturity Group V Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Stine	55RI02	RR2Y	5.6		1.2	39.3	6.7	3	2850	63.4
NK	S56-G6	RR	5.6		1.3	35	1.3	2.3	3376	60.6
NK	S67-B7	RR2Y	6.7		1.5	41.7	0	2.3	2600	58.1
USG	75B75R	RR2Y	5.7		1.3	41.7	2	3	3081	55.2
Virginia Tech	V10-0262	Conv	5.6		1.2	32.3	6.3	3	3326	51.4
Southern Harves	SH 6515 LL	LL	6.5		1.2	37	0.3	2.3	2561	50.9
USG	75J45R	RR2Y	5.4		1.5	37.7	7	3	3552	50.8
University of Ark	R10-230	Conv	5.6		1.7	35.3	13	3	3396	49.7
University of Ark	UA 5612	Conv	5.6		2.3	41.3	4.3	3	3530	49
NK	S56-M8	RR2Y	5.6		1.2	34.7	0	2	3039	49
USG	75J90R	RR2Y	5.9		1.2	35	1.3	3	2936	48.9
Pioneer	P55T81R	RR	5.5		1	37	1	2	3153	48.5
Asgrow	AG5533	RR2Y/STS	5.5		2.5	41	11	3	3269	48.1
Hubner Seed	H58-12	RR2Y	5.8		1.3	36.3	1	2	3030	45.5
Public	Glenn	Conv	5.5		2.7	29	3.7	4	3567	45.5
USDA-ARS	JTN-5110	Conv	5.5		1.2	35	7	4	3423	45.1
University of Ark	R07-6614RR	RR	5.7		1.5	35.7	3	3	3134	44.6
Doeblers	RPM DB5710RR	RR	5.7		3.2	46.3	3.3	3	3275	44
Virginia Tech	V12-0045R2	RR2Y	5.6		1	27.7	17	4	2877	43.9
Mycogen Seeds	5N550R2	RR2Y	5.5		1.5	35.7	4.3	3	3572	41.5
Southern Harves	SH 5915 LL	LL	5.9		1.5	32	10	3	3324	39.2
LSD P=.10					0.69	4.34	3.4	0.3	229.5	8.45
CV					32.04	8.65	50	7.51	5.24	12.67
Grand Mean					1.56	36.51	4.9	2.9	3184.3	48.51

Table 6b. Performance of Full-Season Late Maturity Group V Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
USG	75J45R	RR2Y	5.4		3.3	43	0	3.0	2757	77.3
Virginia Tech	V12-0045R2	RR2Y	5.6		3.7	37	1	2.3	2484	75.2
Doeblers	RPM DB5710RR	RR	5.7		2.7	46	0	3.0	3047	74.0
Mycogen Seeds	5N550R2	RR2Y	5.5		3.0	45	1	3.0	2938	73.4
NK	S56-G6	RR	5.6		2.3	42	0	2.7	3221	71.9
USG	75J90R	RR2Y	5.9		2.3	39	0	3.0	2377	71.6
Asgrow	AG5533	RR2Y/STS	5.5		4.0	47	0	3.0	2885	70.5
Hubner Seed	H58-12	RR2Y	5.8		2.0	41	0	3.0	2570	69.4
Virginia Tech	V10-0262	Conv	5.6		3.0	45	0	3.0	2613	68.9
Stine	55RI02	RR2Y	5.6		2.0	43	0	3.0	2773	68.3
Pioneer	P55T81R	RR	5.5		3.0	43	0	3.0	2858	68.1
NK	S56-M8	RR2Y	5.6		2.3	39	0	3.0	2916	66.6
University of Ark	UA 5612	Conv	5.6		5.0	42	1	3.0	3303	66.2
USG	75B75R	RR2Y	5.7		2.7	45	0	3.0	2668	65.5
NK	S67-B7	RR2Y	6.7		3.7	41	0	2.3	2786	65.0
University of Ark	R07-6614RR	RR	5.7		3.3	43	0	3.0	3021	64.1
Public	Glenn	Conv	5.5		5.0	40	3	3.0	2771	63.6
University of Ark	R10-230	Conv	5.6		4.7	43	0	3.0	3194	62.5
Southern Harves	SH 6515 LL	LL	6.5		3.0	42	0	2.0	2702	61.3
USDA-ARS	JTN-5110	Conv	5.5		4.3	42	1	3.0	2804	57.1
Southern Harves	SH 5915 LL	LL	5.9		4.0	41	1	3.0	2827	54.0
LSD P=.10					0.9	5	1	0.3	183	8.6
CV					18.9	8	203	7.3	5	9.3
Grand Mean					3.3	42	0	2.9	2834	67.4

Table 6c. Performance of Full-Season Late Maturity Group V Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Southern Harves	SH 6515 LL	LL	6.5	27-Oct	1.0	34	0	1.3	2671	74.7
USG	75J90R	RR2Y	5.9	20-Oct	1.0	30	0	2.3	2416	73.9
USG	75B75R	RR2Y	5.7	20-Oct	1.0	35	0	3.0	2706	70.8
Virginia Tech	V10-0262	Conv	5.6	20-Oct	1.0	29	1	2.0	2926	70.4
Southern Harves	SH 5915 LL	LL	5.9	20-Oct	1.0	33	1	2.0	2901	70.3
NK	S67-B7	RR2Y	6.7	20-Oct	1.0	35	0	2.0	2630	70.1
Doeblers	RPM DB5710RR	RR	5.7	20-Oct	1.2	40	0	2.7	3000	68.2
NK	S56-M8	RR2Y	5.6	20-Oct	1.0	34	0	2.0	2709	64.0
NK	S56-G6	RR	5.6	20-Oct	1.0	28	0	2.3	3007	63.9
University of Ark	R07-6614RR	RR	5.7	20-Oct	1.0	32	0	2.0	2883	62.7
Stine	55RI02	RR2Y	5.6	20-Oct	1.0	35	0	2.0	2640	62.2
University of Ark	UA 5612	Conv	5.6	20-Oct	1.5	34	3	3.0	3086	61.9
University of Ark	R10-230	Conv	5.6	20-Oct	1.0	31	2	2.7	2926	61.2
USG	75J45R	RR2Y	5.4	20-Oct	1.0	32	0	2.3	2797	61.1
Hubner Seed	H58-12	RR2Y	5.8	20-Oct	1.0	26	0	2.0	2656	59.6
Mycogen Seeds	5N550R2	RR2Y	5.5	20-Oct	1.0	34	0	2.3	2811	59.2
Virginia Tech	V12-0045R2	RR2Y	5.6	20-Oct	1.0	28	2	2.7	2390	57.8
Pioneer	P55T81R	RR	5.5	20-Oct	1.0	33	0	2.3	2605	57.4
Asgrow	AG5533	RR2Y/STS	5.5	20-Oct	1.3	35	1	2.0	2957	56.7
USDA-ARS	JTN-5110	Conv	5.5	20-Oct	1.0	35	2	3.0	2687	55.0
Public	Glenn	Conv	5.5	20-Oct	1.0	24	5	3.0	3293	51.8
LSD P=.10				0	0.2	4	1	0.5	123	12.5
CV				0	16.8	9	121	16.7	3	14.3
Grand Mean				20-Oct	1.0	32	1	2.3	2746	63.5

Table 6d. Performance of Full-Season Late Maturity Group V Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
NK	S67-B7	RR2Y	6.7	31-Oct	1.3	34	0	5.0	2748	45.9
Southern Harves	SH 6515 LL	LL	6.5	1-Nov	1.3	32	0	4.3	2666	43.8
USG	75J90R	RR2Y	5.9	20-Oct	1.3	33	0	4.7	3101	42.0
Stine	55RI02	RR2Y	5.6	19-Oct	1.3	32	1	4.3	3314	41.6
Pioneer	P55T81R	RR	5.5	20-Oct	1.2	32	0	5.0	3275	40.4
USG	75J45R	RR2Y	5.4	19-Oct	1.6	38	1	4.0	3423	40.4
NK	S56-M8	RR2Y	5.6	29-Oct	1.2	30	0	5.0	3015	39.9
University of Ark	R10-230	Conv	5.6	20-Oct	1.9	34	3	4.7	3662	39.8
Public	Glenn	Conv	5.5	18-Oct	1.5	28	3	4.0	3866	39.1
Virginia Tech	V10-0262	Conv	5.6	19-Oct	1.2	30	0	4.3	3521	38.8
University of Ark	R07-6614RR	RR	5.7	22-Oct	1.3	35	1	4.3	2974	38.7
Doeblers	RPM DB5710RR	RR	5.7	20-Oct	1.9	44	0	4.7	3309	37.6
Mycogen Seeds	5N550R2	RR2Y	5.5	19-Oct	1.5	36	0	4.7	3556	37.3
Asgrow	AG5533	RR2Y/STS	5.5	21-Oct	1.8	39	2	4.3	3531	37.3
University of Ark	UA 5612	Conv	5.6	20-Oct	1.8	33	3	4.3	3962	36.7
Hubner Seed	H58-12	RR2Y	5.8	20-Oct	1.3	30	0	4.3	3277	36.2
Virginia Tech	V12-0045R2	RR2Y	5.6	22-Oct	1.2	27	9	3.3	2871	36.1
Southern Harves	SH 5915 LL	LL	5.9	22-Oct	1.5	31	2	4.3	3502	36.0
USG	75B75R	RR2Y	5.7	21-Oct	1.3	35	2	4.3	3355	35.5
NK	S56-G6	RR	5.6	21-Oct	1.2	27	0	5.0	3722	34.5
USDA-ARS	JTN-5110	Conv	5.5	19-Oct	1.3	32	4	3.7	3961	29.3
LSD P=.10				1	0.2	2	2	0.7	137	5.2
CV				2	11.7	5	80	11.0	3	9.8
Grand Mean				21-Oct	1.4	33	1	4.4	3363	38.4

Table 6e. Performance of Double-Crop Late Maturity Group V Entries at Blackstone, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Southern Harves	SH 6515 LL	LL	6.5		1.3	37	1	3.0	2186	54.5
Hubner Seed	H58-12	RR2Y	5.8		1.2	34	0	3.0	2370	48.9
NK	S56-G6	RR	5.6		1.3	33	0	3.0	2621	47.5
Dyna-Gro	S56RY84	RR2Y	5.6		1.7	37	0	3.0	2486	46.4
Stine	55RI02	RR2Y	5.6		1.0	32	0	3.0	2473	45.4
Asgrow	AG5533	RR2Y/STS	5.5		3.2	42	1	3.0	2495	45.1
Virginia Tech	V12-0063R2	RR2Y	5.5		1.5	32	1	3.0	2310	44.9
Virginia Tech	V10-0262	Conv	5.6		1.3	35	0	3.0	2753	43.6
Pioneer	P55T81R	RR	5.5		1.2	33	0	3.0	2499	43.6
Virginia Tech	V12-0045R2	RR2Y	5.6		1.7	34	3	3.0	2201	43.3
Mycogen Seeds	5N550R2	RR2Y	5.5		2.3	40	0	3.0	2486	43.3
Progeny Ag	P 5555RY	RR2Y	5.5		2.7	42	0	3.0	2445	41.4
Glenn	Public	Conv	5.5		3.3	31	0	3.0	3055	41.1
Southern Harves	SH 5915 LL	LL	5.9		3.0	41	1	3.0	2500	38.9
Progeny Ag	P 5752RY	RR2Y	5.7		1.3	33	0	3.0	2645	38.6
Progeny Ag	P 5768RX	RR2X	5.7		1.5	35	0	3.0	2604	38.1
USG	75B75R	RR2Y	5.7		1.3	30	0	3.0	2584	37.8
Doeblers	RPM DB5710RR	RR	5.7		2.8	43	1	3.0	2623	36.4
USDA-ARS	JTN-5110	Conv	5.5		1.7	36	1	3.0	2590	35.3
LSD P=.10					0.8	4	2	0.2	109	5.1
CV					31.8	8	98	4.3	3	8.7
Grand Mean					1.8	35	1	3.0	2556	42.6

Table 6f. Performance of Double-Crop Late Maturity Group V Entries at Orange, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Southern Harves	SH 6515 LL	LL	6.5		1.0	39	0	2.7	2778	54.4
Hubner Seed	H58-12	RR2Y	5.8		1.3	39	0	3.0	2816	47.0
NK	S56-G6	RR	5.6		1.7	36	0	3.0	3308	45.8
Virginia Tech	V12-0045R2	RR2Y	5.6		1.3	37	1	3.0	2918	43.9
Pioneer	P55T81R	RR	5.5		1.7	40	0	3.0	3077	43.7
Progeny Ag	P 5752RY	RR2Y	5.7		1.3	45	0	2.7	3069	43.4
Progeny Ag	P 5555RY	RR2Y	5.5		2.7	43	1	3.0	3114	43.3
Virginia Tech	V10-0262	Conv	5.6		2.3	37	1	3.0	3434	43.0
Dyna-Gro	S56RY84	RR2Y	5.6		2.3	42	0	2.3	3091	41.4
USG	75B75R	RR2Y	5.7		1.3	42	0	2.0	3048	41.2
Doeblers	RPM DB5710RR	RR	5.7		3.3	49	0	2.0	3019	41.1
Progeny Ag	P 5768RX	RR2X	5.7		2.3	44	0	2.7	3201	40.9
Virginia Tech	V12-0063R2	RR2Y	5.5		1.3	37	1	2.0	3332	40.1
Stine	55RI02	RR2Y	5.6		1.0	40	0	3.0	3126	39.7
Mycogen Seeds	5N550R2	RR2Y	5.5		2.7	43	0	3.0	3098	39.4
Asgrow	AG5533	RR2Y/STS	5.5		3.0	46	1	3.0	3365	35.8
USDA-ARS	JTN-5110	Conv	5.5		3.0	38	1	3.0	3520	35.4
Southern Harves	SH 5915 LL	LL	5.9		3.0	41	1	2.3	3388	33.0
Glenn	Public	Conv	5.5		5.0	35	2	3.0	4540	32.5
LSD P=.10					0.7	3	1	0.4	218	6.5
CV					22.3	5	116	10.8	5	11.3
Grand Mean					2.1	40	1	2.7	3260	41.5

Table 6g. Performance of Double-Crop Late Maturity Group V Entries at Painter, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Stine	55RI02	RR2Y	5.6		1.0	28	0	2.0	2609	42.8
Progeny Ag	P 5555RY	RR2Y	5.5		1.0	34	1	3.0	2522	42.8
Southern Harves	SH 5915 LL	LL	5.9		1.0	27	1	3.0	2780	41.7
Progeny Ag	P 5752RY	RR2Y	5.7		1.0	32	0	2.0	2609	41.6
Asgrow	AG5533	RR2Y/STS	5.5		1.3	34	0	3.0	2730	41.3
Dyna-Gro	S56RY84	RR2Y	5.6		1.0	34	0	2.0	2486	40.9
Progeny Ag	P 5768RX	RR2X	5.7		1.0	27	1	3.0	3048	40.9
USG	75B75R	RR2Y	5.7		1.0	31	1	2.7	2576	40.8
Southern Harves	SH 6515 LL	LL	6.5		1.0	24	0	2.0	2470	40.5
Doeblers	RPM DB5710RR	RR	5.7		1.0	37	1	2.0	2735	40.0
Hubner Seed	H58-12	RR2Y	5.8		1.0	29	0	2.7	2504	39.8
Pioneer	P55T81R	RR	5.5		1.0	29	0	2.0	2630	39.7
USDA-ARS	JTN-5110	Conv	5.5		1.0	29	0	3.0	2862	39.6
NK	S56-G6	RR	5.6		1.0	24	1	2.3	3034	39.3
Glenn	Public	Conv	5.5		1.0	22	1	3.0	2844	39.0
Virginia Tech	V10-0262	Conv	5.6		1.0	26	1	2.3	2901	38.4
Virginia Tech	V12-0045R2	RR2Y	5.6		1.0	26	1	2.0	2229	36.0
Virginia Tech	V12-0063R2	RR2Y	5.5		1.0	26	1	2.0	2348	35.4
Mycogen Seeds	5N550R2	RR2Y	5.5		1.0	34	0	2.0	2538	33.7
LSD P=.10					0.2	3	1	0.4	92	7.6
CV					12.7	7	144	10.8	3	14.0
Grand Mean					1.0	29	1	2.5	2644	39.5

Table 6h. Performance of Double-Crop Late Maturity Group V Entries at Suffolk, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Stine	55RI02	RR2Y	5.6		1.2	23	0	3.0	3343	62.2
USDA-ARS	JTN-5110	Conv	5.5		1.7	23	0	3.0	3388	60.5
Dyna-Gro	S56RY84	RR2Y	5.6		1.5	26	0	3.0	3339	58.3
Mycogen Seeds	5N550R2	RR2Y	5.5		1.3	24	0	3.0	3383	58.3
Glenn	Public	Conv	5.5		1.0	17	0	3.0	3266	57.1
Pioneer	P55T81R	RR	5.5		1.2	23	0	3.0	3454	56.6
Southern Harves	SH 6515 LL	LL	6.5		1.2	24	0	3.0	3347	56.2
Progeny Ag	P 5555RY	RR2Y	5.5		1.5	29	0	3.0	3222	55.2
Doeblers	RPM DB5710RR	RR	5.7		1.8	30	0	3.0	3449	55.1
NK	S56-G6	RR	5.6		1.2	22	0	3.0	3996	55.0
Hubner Seed	H58-12	RR2Y	5.8		1.2	19	0	3.0	3198	53.8
Progeny Ag	P 5768RX	RR2X	5.7		1.3	23	0	3.0	4193	53.6
Virginia Tech	V10-0262	Conv	5.6		1.2	23	0	3.0	3403	53.0
Asgrow	AG5533	RR2Y/STS	5.5		1.5	23	0	3.0	3737	52.5
Southern Harves	SH 5915 LL	LL	5.9		1.5	23	0	3.0	3548	52.4
USG	75B75R	RR2Y	5.7		1.2	23	0	3.0	3318	50.6
Virginia Tech	V12-0045R2	RR2Y	5.6		1.2	21	0	3.0	2902	50.4
Progeny Ag	P 5752RY	RR2Y	5.7		1.2	24	0	3.0	3307	48.5
Virginia Tech	V12-0063R2	RR2Y	5.5		1.0	18	0	3.0	2805	43.7
LSD P=.10					0.5	3	2	0.0	157	5.0
CV					25.5	11	592	0.0	3	6.7
Grand Mean					1.3	23	0	3.0	3388	53.7

Table 6i. Performance of Double-Crop Late Maturity Group V Entries at Warsaw, VA, 2016

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Southern Harves	SH 6515 LL	LL	6.5	3-Nov	1.5	33	0	3.0	2526	62.7
Progeny Ag	P 5752RY	RR2Y	5.7	1-Nov	1.7	35	1	3.0	2816	58.8
Southern Harves	SH 5915 LL	LL	5.9	3-Nov	1.7	37	0	3.0	2917	57.0
Stine	55RI02	RR2Y	5.6	31-Oct	1.5	31	0	3.0	2843	56.6
Progeny Ag	P 5555RY	RR2Y	5.5	2-Nov	1.9	39	0	3.0	2912	56.6
Progeny Ag	P 5768RX	RR2X	5.7	4-Nov	1.4	29	0	3.0	3397	56.5
USG	75B75R	RR2Y	5.7	2-Nov	1.7	34	0	3.0	2834	56.3
Mycogen Seeds	5N550R2	RR2Y	5.5	1-Nov	1.8	37	0	3.0	2876	54.6
Virginia Tech	V12-0045R2	RR2Y	5.6	31-Oct	1.6	28	1	3.0	2439	54.4
Virginia Tech	V10-0262	Conv	5.6	29-Oct	1.7	32	0	3.0	3184	53.8
Dyna-Gro	S56RY84	RR2Y	5.6	3-Nov	1.9	39	0	2.3	2803	53.1
Pioneer	P55T81R	RR	5.5	2-Nov	1.6	34	0	3.0	2929	52.2
Hubner Seed	H58-12	RR2Y	5.8	3-Nov	1.6	31	1	3.0	2671	52.1
Asgrow	AG5533	RR2Y/STS	5.5	5-Nov	2.2	36	1	3.0	2955	51.8
NK	S56-G6	RR	5.6	3-Nov	1.6	30	0	3.0	3235	51.6
Glenn	Public	Conv	5.5	24-Oct	1.7	29	0	3.0	3661	50.8
Virginia Tech	V12-0063R2	RR2Y	5.5	1-Nov	1.3	30	1	2.0	2514	50.3
USDA-ARS	JTN-5110	Conv	5.5	31-Oct	1.8	32	0	3.0	3057	47.2
Doeblers	RPM DB5710RR	RR	5.7	4-Nov	2.3	40	1	3.0	3042	46.4
LSD P=.10				2.15	0.3	3	1	0.2	106	5.7
CV				2.51	12.8	7	125	4.4	3	7.9
Grand Mean				1-Nov	1.7	33	1	2.9	2959	52.8

Table 7a. Yield summaries of full-season maturity group III entries.

				2016				2015	2014
Brand	Variety	Herb Resist	Relative Maturity	ORG	PTR	WAR	Avg.	2-year Avg.	3-year Avg.
CZ	3841 LL	LL	3.8	71.4	33.2	24.8	43.1	45.7	45.8
Doeblers	RPM DB3517R	RR	3.5	59.8	35.9	29.6	41.8		
Southern Harvest	SH 3814 LL	LL	3.8	67.4	30.0	26.3	41.2		
Pioneer	P39T67R	RR	3.9	61.6	34.0	27.6	41.1	46.4	47.0
CZ	3945 LL	LL	3.9	58.1	38.9	25.6	40.9	47.3	
CZ	3991 RY	RR2Y	3.9	58.7	36.0	27.8	40.8	47.9	
T.A. SEEDS	TS3966R2XS	RR2X/STS	3.9	62.2	29.0	29.7	40.3		
USG	73P93R	RR2Y	3.9	61.1	32.8	26.5	40.1	47.5	
Mid-Atlantic	MAS3855RR2/STS/X	RR2X/STS	3.8	57.8	26.1	32.1	38.7		
CZ	3560 RY	RR2Y	3.5	60.4	34.3	20.3	38.3	44.2	
CZ	3737 LL	LL	3.7	63.1	29.9	20.3	37.8	42.9	
Doeblers	RPM DB3817R	RR	3.8	60.7	29.3	22.8	37.6		
LSD P=.10				7.1	5.4	5.6			
CV				8.2	12.2	15.4			
Grand Mean				61.9	31.6	26.1	39.9	46.0	46.4

Table 7b. Yield summaries of full-season early maturity group IV entries.

				2016							
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
Dyna-Gro	S46XS87	RR2X/STS	4.6	49.5	77.8	39.2	84.8	35.2	57.3		
Asgrow	AG46X6	RR2X	4.6	53.9	83.6	34.3	83.6	30.9	57.3		
USG	74F24RS	RR2Y/STS	4.2	45.6	86.4	39.0	75.4	34.7	56.2	54.2	
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	57.3	73.3	29.4	87.4	33.7	56.2		
Hubner	H42-13R2	RR2Y	4.2	55.9	80.4	35.3	79.4	29.2	56.0		
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	53.9	74.9	35.0	72.4	35.6	54.4	53.4	
Southern States	SS 4417NS X	RR2X/STS	4.4	54.2	83.8	28.5	70.0	32.5	53.8		
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	46.7	87.1	29.2	76.2	29.7	53.8		
Channel	4616R2X/SR	RR2X/STS	4.6	48.5	81.9	34.5	69.2	31.4	53.1		
Asgrow	AG44X6	RR2X	4.4	53.3	72.5	30.2	77.9	31.6	53.1		
Dyna-Gro	S43XS27	RR2X/STS	4.3	47.3	76.0	29.3	77.3	33.9	52.8		
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	46.5	74.8	34.4	75.2	32.7	52.7		
T.A. SEEDS	TS4669R2	RR2Y	4.6	47.7	71.8	40.0	71.3	31.5	52.5	52.1	
Dyna-Gro	S43RY95	RR2Y	4.3	44.8	73.7	32.0	78.2	31.7	52.1		
CZ	4656 RY	RR2Y	4.6	46.7	69.8	36.0	74.6	31.0	51.6		
USG	7447XTS	RR2X/STS	4.4	42.3	77.5	28.4	76.4	31.8	51.3		
CZ	4540 LL	LL	4.5	36.0	71.1	38.1	77.6	32.7	51.1	49.2	
CZ	4590 RY	RR2Y	4.5	51.4	68.9	29.7	77.4	27.3	50.9	51.0	
NK	S45-W9	RR2Y	4.5	49.3	61.4	31.9	76.0	33.1	50.3		
Asgrow	AG45X6	RR2X/STS	4.5	45.1	69.2	29.6	72.2	34.9	50.2		
Pioneer	P46T21R	RR	4.6	49.5	75.7	30.4	67.4	27.8	50.2	51.6	54.2
Pioneer	P39T67R	RR	3.9	55.3	73.7	31.6	59.7	29.9	50.0		
Asgrow	AG4135	RR2X/STS	4.1	52.2	74.8	29.9	63.4	29.4	49.9	51.3	
Southern States	SS 4215NS R2	RR2X/STS	4.2	44.4	76.9	30.5	69.9	27.8	49.9	49.5	
Southern States	SS 4216N X	RR2X	4.2	47.5	70.2	29.6	68.8	29.7	49.2		
CZ	4181 RY	RR2Y/STS	4.1	49.9	67.0	30.9	67.4	28.4	48.7	50.1	53.2
Dyna-Gro	S42RY77	RR2Y	4.2	46.4	67.3	32.4	62.3	30.2	47.7		
CZ	4044 LL	LL	4.0	47.1	58.4	39.7	63.6	29.6	47.7	47.9	
NK	S42-P6	RR2Y	4.2	45.8	58.8	27.2	71.0	31.0	46.8		
T.A. SEEDS	TS4276R2XS	RR2X/STS	4.2	40.7	59.6	31.3	64.8	31.2	45.5		
CZ	4222 LL	LL	4.2	43.5	58.5	30.2	64.6	23.5	44.1	45.1	
CZ	4105 LL	LL	4.1	40.8	59.1	28.4	58.8	28.5	43.1	47.1	
Virginia Tech	V11-2187	Conv	4.2	22.9	72.8	26.9	60.2	25.7	41.7		
LSD P=.10				9.2	11.5	6.0	10.2	4.7			
CV				14.3	11.7	14.0	10.4	11.2			
Grand Mean				47.3	72.4	31.6	72.0	30.9	50.8	50.2	53.7

Table 7c. Yield summaries of double-crop early maturity group IV entries.

				2016						2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
GFS-HISOY	HS44T60	RR2Y/STS	4.4	47.4	33.9	46.3	61.9	43.7	46.6		
USG	74F24RS	RR2Y/STS	4.2	44.4	36.2	41.1	72.9	38.0	46.5		
Mid-Atlantic	MAS4411RR2/STS/X	RR2X/STS	4.4	43.8	29.0	43.6	61.8	49.4	45.5		
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	49.7	29.7	42.2	53.9	48.1	44.7		
Progeny Ag	P 4516RXS	RR2X/STS	4.5	41.8	29.3	42.5	67.8	41.8	44.6		
NK	S45-R7	RR2Y/STS	4.5	41.2	34.8	40.2	62.0	44.2	44.5	44.1	
USG	7447XTS	RR2X/STS	4.4	45.1	24.4	41.9	64.8	42.9	43.8		
Asgrow	AG45X6	RR2Y/STS	4.5	49.6	32.9	35.0	56.3	42.4	43.2		
Dyna-Gro	S43RY95	RR2Y	4.3	36.6	26.2	44.0	64.0	44.5	43.1		
Mid-Atlantic	MAS4416RR2/STS/X	RR2X/STS	4.4	39.3	30.7	37.6	64.2	43.0	43.0		
Progeny Ag	P 4613RYS	RR2Y/STS	4.6	42.8	31.0	34.1	65.6	40.9	42.9	45.9	49.2
Dyna-Gro	S46XS87	RR2X/STS	4.6	46.1	28.5	44.2	56.0	36.9	42.3		
Dyna-Gro	31RY45	RR2Y	4.5	42.7	22.4	42.6	56.9	45.8	42.1	45.1	49.5
Asgrow	AG46X6	RR2X	4.6	46.2	28.2	36.9	55.6	43.5	42.1		
Asgrow	AG4135	RR2Y/STS	4.1	46.7	31.7	38.2	61.8	31.7	42.0	42.0	
Asgrow	AG44X6	RR2Y	4.4	41.6	26.4	38.0	60.3	42.7	41.8		
Progeny Ag	P 4620RXS	RR2X/STS	4.6	39.8	31.9	36.3	58.5	42.0	41.7		
CZ	4656 RY	RR2Y	4.6	47.7	22.2	38.7	54.1	44.3	41.4		
Mid-Atlantic	MAS4355RR2/STS	RR2X/STS	4.3	39.6	27.4	36.6	59.6	42.9	41.2	43.3	48.4
Progeny Ag	P 4588RY	RR2Y	4.5	42.9	28.2	38.7	53.3	42.0	41.0		
Southern Harvest	SH 3814 LL	LL	3.8	46.6	37.6	30.8	55.1	34.9	41.0		
CZ	4540 LL	LL	4.5	41.9	28.4	37.9	50.1	45.4	40.7		
NK	S39-C4	RR2Y	3.9	43.4	31.8	33.9	55.7	37.4	40.4		
Pioneer	P46T21R	RR	4.6	45.8	23.9	33.2	62.7	36.6	40.4	41.5	46.9
Channel	4616R2X/SR	RR2X/STS	4.6	44.3	26.1	34.4	63.9	30.8	39.9		
CZ	4590 RY	RR2Y	4.5	45.4	27.0	37.6	48.3	39.6	39.6	41.5	
Virginia Tech	V11-2187	Conv	4.2	46.6	24.7	30.4	44.9	34.8	36.3		
LSD P=.10				6.9	6.3	5.3	8.1	7.6			
CV				11.9	16.1	10.1	11.0	13.5			
Grand Mean				42.5	28.7	38.4	54.2	41.1	41.0	43.3	48.5

Table 7d. Yield summaries of full-season late maturity group IV entries.

				2016						2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
Stine	49LH02	LL	4.9	46.4	94.2	37.4	92.2	57.9	65.6		
Asgrow	AG4835	RR2Y/STS	4.8	47.7	89.4	38.2	85.8	59.9	64.2	61.6	63.6
Hubner	H48-13R2/STS	RR2Y/STS	4.8	51.2	94.5	37.1	85.6	52.8	64.2	61.0	59.7
USG	74K95RS	RR2Y/STS	4.9	46.7	88.3	36.3	87.8	61.7	64.2		
Axis	4817NRXS	RR2X/STS	4.8	55.2	80.3	35.4	86.8	59.5	63.4		
T.A. SEEDS	TS4869R2S	RR2Y/STS	4.8	45.6	95.0	36.0	81.6	59.0	63.4	59.6	
Southern States	SS 4717NS X	RR2X/STS	4.7	45.9	82.5	35.6	90.5	62.0	63.3		
Channel	4916R2X/SR	RR2X/STS	4.9	56.3	86.1	31.7	79.5	62.6	63.2		
USG	7477XTS	RR2X/STS	4.7	48.9	84.8	38.8	92.1	51.4	63.2		
Dyna-Gro	S49XS76	RR2X/STS	4.9	53.3	76.8	32.9	92.1	60.7	63.2		
Dyna-Gro	S48RS53	RR2Y/STS	4.8	50.3	91.1	34.9	83.7	55.0	63.0	58.2	60.4
USG	7487XTS	RR2X/STS	4.8	45.5	89.0	33.7	87.8	56.8	62.6		
Southern States	SS 4915NS R2	RR2Y/STS	4.9	47.1	84.1	36.5	86.4	57.9	62.4	61.7	
Southern States	SS 4725NS R2	RR2Y/STS	4.7	46.2	75.9	38.9	91.3	55.1	61.5	59.1	60.2
Stine	48RI02	RR2Y/STS	4.8	39.5	88.3	33.5	84.0	61.2	61.3		
USG	ELLIS	Conv	4.9	42.2	79.7	37.0	86.5	60.6	61.2	59.4	62.1
Asgrow	AG47X6	RR2X/STS	4.7	55.3	80.5	39.4	81.7	48.8	61.1		
Stine	48LI32	LL	4.8	50.3	80.3	34.7	84.6	55.7	61.1		
Asgrow	AG49X6	RR2X	4.9	47.5	83.2	38.5	83.6	51.7	60.9		
USG	7496XTS	RR2X/STS	4.9	47.9	75.9	35.6	85.7	57.9	60.6		
Southern States	SS 4917N R2	RR2Y	4.9	49.6	73.9	37.0	81.4	60.0	60.4	59.1	59.3
Southern Harvest	SH 4817 LL	LL	4.8	50.6	82.4	37.4	71.4	56.3	59.6		
Stine	48RI23	RR2Y	4.8	48.3	88.6	30.6	78.8	51.5	59.6		
NK	S47-K5	RR2Y	4.7	51.4	84.8	34.2	76.0	49.7	59.2		
Southern States	SS 4918N X	RR2X/STS	4.9	49.7	82.3	34.5	79.1	48.3	58.8		
CZ	4656 RY	RR2Y	4.6	49.0	86.6	32.5	78.0	46.2	58.5		
USG	74A92R	RR2Y	4.9	52.7	78.0	34.4	73.8	53.2	58.4		
Dyna-Gro	S48XT56	RR2X	4.8	54.0	81.3	36.3	71.9	46.6	58.0		
Southern States	SS 4714NS R2	RR2Y/STS	4.7	48.7	71.6	35.8	79.4	53.6	57.8	56.1	58.9
Pioneer	P48T53R	RR	4.8	53.0	81.3	33.8	61.0	59.7	57.8	55.2	58.0
CZ	4959 RY	RR2Y	4.9	51.1	66.6	33.9	80.0	50.8	56.5	55.4	56.6
CZ	4898 RY	RR2Y	4.8	43.1	80.3	37.3	64.0	55.5	56.0		
Doeblers	RPM DB4715RR	RR	4.7	45.0	79.5	33.1	70.4	51.2	55.8	57.6	58.8
Virginia Tech	V12-0253R2	RR2Y	4.8	46.3	77.9	33.3	54.7	59.7	54.4		
CZ	4748 LL	LL	4.7	45.0	57.9	31.7	77.9	51.2	52.7	54.1	58.8
CZ	4818 LL	LL	4.8	39.7	71.9	25.7	72.1	53.2	52.5	50.6	
Virginia Tech	V12-0963	RR	4.6	41.1	64.5	28.3	59.3	44.3	47.5		
LSD P=.10				9.4	11.0	5.7	11.7	10.1			
CV				14.3	10.0	12.1	10.9	13.6			
Grand Mean				48.2	80.9	34.7	79.2	55.0	59.6	57.8	59.7

Table 7e. Yield summaries of double-crop late maturity group IV entries.

				2016						2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
GFS-HISOY	HS52T60	RR2Y/STS	5.2	51.9	32.6	40.0	61.9	58.8	49.0		
Stine	48LI32	LL	4.8	45.1	34.7	47.4	54.5	58.0	47.9		
Stine	48RI23	RR2Y	4.8	47.8	30.5	48.1	57.2	54.4	47.6		
USG	7477XTS	RR2X/STS	4.7	54.5	30.1	44.2	57.9	50.7	47.5		
Asgrow	AG49X6	RR2X	4.9	48.3	33.1	47.0	55.4	53.3	47.4		
GFS-HISOY	HS46X60	RR2Y/STS	4.6	49.2	31.9	45.0	54.4	56.5	47.4		
Axis	4817NRXS	RR2X/STS	4.8	49.4	30.7	45.4	53.6	57.0	47.2		
USG	7496XTS	RR2X/STS	4.9	46.2	32.5	44.9	54.5	57.9	47.2		
Southern States	SS 4717NS X	RR2X/STS	4.7	47.9	30.9	44.0	55.4	56.4	46.9		
Dyna-Gro	S49XS76	RR2X/STS	4.9	49.9	33.4	42.8	50.7	57.5	46.9		
Dyna-Gro	S48RS53	RR2Y/STS	4.8	45.2	29.2	45.4	55.9	57.8	46.7	49.3	
Hubner	H48-13R2/STS	RR2Y/STS	4.8	45.5	31.5	40.9	62.2	51.9	46.4		
Doeblers	RPM DB4715RR	RR	4.7	45.1	30.5	41.6	59.2	53.6	46.0	44.4	49.7
Southern States	SS 4915NS R2	RR2Y/STS	4.9	49.4	30.1	41.1	53.9	55.2	45.9	48.4	
USG	74K95RS	RR2Y/STS	4.9	46.8	28.6	44.5	55.4	54.0	45.9	48.0	
USG	7487XTS	RR2X/STS	4.8	40.3	30.9	46.2	55.5	56.3	45.8		
Progeny Ag	P 4757RY	RR2Y	4.7	46.2	31.5	43.0	56.1	52.3	45.8	46.4	
Channel	4916R2/STS	RR2Y/STS	4.8	48.7	35.2	40.4	49.8	54.7	45.8		
Mid-Atlantic	MAS4535RR2/STS/X	RR2X/STS	4.5	46.0	31.9	46.0	56.9	46.8	45.5		
Progeny Ag	P 4944RX	RR2X	4.9	41.9	31.0	42.0	56.6	55.7	45.4		
Asgrow	AG47X6	RR2X/STS	4.7	49.1	34.1	37.9	53.9	51.1	45.2		
Asgrow	AG4835	RR2Y/STS	4.8	38.5	32.1	40.4	56.0	54.4	44.3	46.1	53.6
USG	ELLIS	Conv	4.9	43.0	31.7	44.5	44.7	56.1	44.0	46.5	53.1
Southern Harvest	SH 4817 LL	LL	4.8	37.1	32.6	41.3	53.1	55.7	44.0		
Progeny Ag	P 4788RY	RR2Y	4.7	44.8	30.3	40.8	51.9	51.4	43.8	45.1	49.8
Southern States	SS 4918N X	RR2X	4.9	47.2	27.2	35.6	52.1	55.8	43.6		
Progeny Ag	P 4799RXS	RR2X/STS	4.7	45.2	30.6	38.7	49.2	51.4	43.0		
USG	74A92R	RR2Y	4.9	39.5	27.4	39.3	52.9	55.2	42.9		
CZ	4959 RY	RR2Y	4.9	40.7	26.8	41.7	52.3	51.7	42.6	43.8	
CZ	4898 RY	RR2Y	4.8	39.0	30.0	41.9	47.9	54.3	42.6		
Pioneer	P49T09BR	BOLT, RR	4.9	44.8	33.8	34.6	49.1	50.0	42.5		
Progeny Ag	P 4816RX	RR2X	4.8	40.1	20.8	35.5	57.1	57.7	42.2		
Pioneer	P48T53R	RR	4.8	43.8	30.4	35.8	53.0	47.8	42.2	42.9	48.9
Virginia Tech	V12-0253R2	RR2Y	4.8	39.9	31.4	41.1	39.7	53.9	41.2		
CZ	4748 LL	LL	4.7	41.7	31.7	38.0	43.6	50.2	41.0	44.4	
CZ	4818 LL	LL	4.8	35.3	26.6	36.2	44.3	51.9	38.9		
Virginia Tech	V12-0963	RR	4.6	35.3	27.1	30.5	43.2	43.8	36.0		
LSD P=.10				8.8	6.1	5.1	7.8	5.1			
CV				14.7	14.7	9.0	10.7	6.9			
Grand Mean				44.2	30.5	41.5	53.3	53.6	44.6	45.9	51.0

Table 7f. Yield summaries of full-season early maturity group V entries.

				2016						2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
Mycogen Seeds	5N523R2	RR2Y	5.2	49.1	70.3	41.6	72.5	48.6	56.4		
Armor	55-R68	RR2Y	5.5	53.9	65.5	36.3	69.0	50.3	55.0		
USG	7506XTS	RR2X/STS	5.0	53.0	70.4	30.6	66.3	52.2	54.5		
Armor	55-R22	RR2Y	5.5	48.9	77.5	35.4	60.1	50.0	54.4		
Dyna-Gro	S52RS86	RR2Y/STS	5.2	55.7	69.3	41.9	65.8	39.2	54.4		
Southern States	SS 5215NS R2	RR2Y/STS	5.2	56.9	77.4	32.7	68.7	35.6	54.3	50.7	
Pioneer	P50T15BR	BOLT/RR	5.0	42.8	70.1	38.8	58.5	61.0	54.2	48.7	
Asgrow	AG5335	RR2Y/STS	5.3	51.7	64.3	33.6	64.1	55.5	53.8	49.7	53.0
Pioneer	P52T50R	RR	5.2	57.6	68.2	29.2	68.0	45.0	53.6	49.2	53.9
Stine	51LI32	LL	5.1	54.0	69.5	36.3	68.4	38.4	53.3		
Southern States	SS4714NSR2	RR2X/STS	4.7	51.0	66.5	37.7	58.6	51.0	53.0		
Southern States	SS 5016NS X	RR2X/STS	5.0	47.1	64.7	36.3	70.6	45.9	52.9		
Southern Harvest	SH 5215 LL	LL	5.2	47.8	62.8	36	76.1	41.1	52.8	51.5	56.7
NK	S52-Y2	RR2Y	5.2	53.2	73.1	32.7	74.8	25.9	51.9		
University of Arkansas	R09-430	Conv	5.1	42.0	72.6	34.6	65.5	42.3	51.4	47.4	
Stine	54LE23	LL	5.4	46.0	56.6	42.7	69.0	41.5	51.2	50.3	53.5
Doeblers	RPM DB5416R	RR	5.4	50.6	56.0	33.1	69.4	45.9	51.0	49.3	
Asgrow	AG53X6	RR2X	5.3	48.4	60.3	34.1	64.2	47.6	50.9		
Stine	51RH20	RR2Y	5.1	48.4	69.2	35.6	69.0	32.1	50.9		
USG	75J45R	RR2Y	5.4	44.2	66.9	35.2	63.2	44.8	50.9	51.4	
Doeblers	RPM DB5317SR	RR/STS	5.3	50.6	54.0	38.6	62.6	48.5	50.9		
Axis	5016NRXS	RR2X/STS	5.0	41.5	70.0	38.9	62.0	41.1	50.7		
CZ	5147 LL	LL	5.1	40.1	66.5	37.2	62.0	47.4	50.6	46.3	
Asgrow	AG54X6	RR2X	5.4	46.1	66.3	34.8	69.6	36.1	50.6		
Pioneer	P53T73SR	RR/STS	5.3	42.9	62.7	36.9	65.1	44.3	50.4		
Stine	52LI20	LL	5.2	39.4	62.2	37.8	64.2	48.0	50.3		
USG	7553nRS	RR	5.5	45.6	62.4	32.7	54.4	53.2	49.7		
Virginia Tech	V12-1416	RR	5.0	36.9	67.3	38.4	58.1	47.1	49.6		
University of Arkansas	UA 5213C	Conv	5.2	39.3	58.2	41.6	61.0	46.6	49.3	45.7	50.0
Virginia Tech	V12-1048	RR	5.0	41.3	66.8	34	53.0	50.6	49.1		
CZ	5375 RY	RR2Y	5.3	41.0	68.3	32	71.3	32.5	49.0		
Virginia Tech	V12-0063R2	RR2Y	5.5	42.7	58.9	38.1	60.5	42.1	48.5		
USG	7547XT	RR2X/STS	5.4	44.5	65.6	36.1	61.4	33.5	48.2		
CZ	5225 LL	LL/STS	5.2	43.6	68.2	22	66.6	40.4	48.2	46.6	
Virginia Tech	V11-3485	RR	5.3	46.1	49.7	28.5	65.2	50.2	47.9		
Southern Harvest	SH 5515 LL	LL	5.5	39.9	55.2	36.6	65.9	38.6	47.2		
University of Arkansas	UA 5014C	Conv	5.0	42.0	57.8	32.5	62.5	37.2	46.4	43.5	
CZ	5445 LL	LL	5.4	37.0	58.7	20.8	67.8	44.6	45.8	46.8	
Public	Glenn	Conv	5.4	41.9	57.7	25.5	68.8	34.4	45.7	45.3	50.6
Axis	5417NRX	RR2X	5.4	32.9	58.1	36.5	51.4	38.5	43.5		
Virginia Tech	V12-1376	RR	5.3	32.3	58.1	22.4	46.4	42.7	40.4		
LSD P=.10				10.4	11.4	8.7	10.6	17.2			
CV				16.9	13.0	14.9	12.1	29.0			
Grand Mean				45.6	64.5	34.5	64.3	43.7	50.5	48.1	52.9

Table 7g. Yield summaries of double-crop early maturity group V entries.

				2016						2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
GFS-HISOY	HS52T60	RR2Y/STS	5.2	48.5	44.8	45.7	60.1	60.8	52.0		
Mycogen Seeds	5N523R2	RR2Y	5.2	47.7	43.1	47.7	58.7	61.9	51.8		
Progeny Ag	P 5226RYS	RR2Y/STS	5.2	44.1	44.3	50.3	59.5	60.9	51.8	52.5	
Dyna-Gro	S52RS86	RR2Y/STS	5.2	48.5	37.2	51.3	55.3	63.9	51.2		
Southern Harvest	SH 5215 LL	LL	5.2	43.4	40.5	46.5	57.9	59.8	49.6	51.8	58.0
Asgrow	AG5335	RR2Y/STS	5.3	43.8	43.5	45.7	54.7	57.6	49.1	49.7	54.5
Progeny Ag	P 5016RXS	RR2X/STS	5.0	43.3	40.1	46.2	55.6	60.0	49.0		
USG	7506XTS	RR2X/STS	5.0	44.0	41.0	45.5	56.5	57.8	49.0		
Armor	55-R68	RR2Y	5.5	41.3	43.8	45.1	55.7	58.1	48.8		
Axis	5016NRXS	RR2X/STS	5.0	50.0	43.4	38.9	49.4	62.0	48.7		
USG	75J45R	RR2Y	5.4	46.6	42.1	44.5	53.2	57.1	48.7	50.4	
CZ	5147 LL	LL	5.1	43.8	42.2	49.1	50.0	57.7	48.6		
Pioneer	P50T15BR	BOLT/RR	5.0	47.9	40.4	39.3	58.0	56.1	48.3	47.4	
Dyna-Gro	S52RY75	RR2Y	5.2	42.1	38.9	51.2	52.5	56.7	48.3	51.0	55.2
Armor	55-R22	RR2Y	5.5	41.2	46.8	44.8	52.1	55.5	48.1		
Stine	51RH20	RR2Y	5.1	43.7	42.7	41.6	56.0	55.8	48.0		
Southern Harvest	SH 5515 LL	LL	5.5	47.3	40.1	45.4	49.9	55.6	47.7		
Southern States	SS 5016NS X	RR2X/STS	5.0	44.9	41.9	41.5	58.8	50.6	47.5		
CZ	5375 RY	RR2Y	5.3	36.7	42.8	45.3	52.6	58.7	47.2		
Southern States	SS 5215NS R2	RR2Y/STS	5.2	42.9	35.3	43.5	53.3	58.1	46.6	50.4	
Stine	52LI20	LL	5.2	40.1	38.5	46.1	51.4	57.0	46.6		
Virginia Tech	V11-3485	RR	5.3	45.5	38.4	40.7	51.8	55.0	46.3		
Progeny Ag	P 5414LLS	LL, STS	5.4	38.2	43.2	45.2	48.3	56.2	46.2	45.9	
Virginia Tech	V12-0063R2	RR2Y	5.5	44.8	41.2	43.7	45.4	55.8	46.2		
Doeblers	RPM DB5416R	RR	5.4	41.0	44.8	44	52.0	46.9	45.7	47.3	
Progeny Ag	P 5289RYS	RR2Y/STS	5.2	41.5	39.6	42.4	49.9	54.1	45.5		
USG	75T40	RR	5.4	43.2	42.9	40.3	52.3	48.2	45.4	47.9	
Virginia Tech	V12-1416	RR	5.5	41.3	44.9	39.5	44.4	55.9	45.2		
Virginia Tech	V12-1376	RR	5.3	46.4	45.8	40.4	45.8	47.1	45.1		
Asgrow	AG53X6	RR2X	5.3	39.1	38.3	45.7	55.0	47.2	45.1		
Pioneer	P53T73SR	RR/STS	5.3	39.8	48.4	37.4	45.2	53.4	44.8	45.4	52.0
Pioneer	P52T50R	RR	5.2	41.4	39.3	38.9	46.1	57.6	44.7	46.3	
Doeblers	RPM DB5317SR	RR/STS	5.3	39.4	44.3	39.9	41.9	57.5	44.6		
CZ	5225 LL	LL/STS	5.2	42.2	45.6	44.2	43.5	47.0	44.5	40.7	
Asgrow	AG54X6	RR2X	5.4	44.0	41.5	44.2	35.2	55.0	44.0		
Axis	5417NRX	RR2X	5.4	43.7	44.5	42.9	37.3	50.8	43.8		
Progeny Ag	P 5417RX	RR2X	5.4	38.7	42.4	41.8	41.1	54.5	43.7		
Public	Glenn	Conv	5.4	35.2	35.2	40.7	54.1	51.8	43.4	45.0	50.8
Virginia Tech	V12-1048	RR	5.3	43.5	42.3	38.3	36.5	51.2	42.4		
CZ	5445 LL	LL	5.4	45.2	44.1	42.1	44.8	34.0	42.0	40.1	
USG	7547XT	RR2X/STS	5.4	43.1	38.2	39.7	39.5	48.3	41.8		
LSD P=.10				7.1	6.1	4.4	7.3	8.6			
CV				12.2	10.7	7.4	10.7	11.6			
Grand Mean				43.0	42.0	43.6	50.3	54.6	46.7	47.5	54.1

Table 7h. Yield summaries of full-season late maturity group V entries.

				2016					2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	SUF	WAR	Avg.	2-year Avg.	3-Year Avg.2
NK	S67-B7	RR2Y	6.7	58.1	65.0	70.1	45.9	59.8		
USG	75J90R	RR2Y	5.9	48.9	71.6	73.9	42.0	59.1	52.1	54.9
Stine	55RI02	RR2Y	5.6	63.4	68.3	62.2	41.6	58.9		
NK	S56-G6	RR	5.6	60.6	71.9	63.9	34.5	57.7		
Southern Harvest	SH 6515 LL	LL	6.5	50.9	61.3	74.7	43.8	57.7		
USG	75J45R	RR2Y	5.4	50.8	77.3	61.1	40.4	57.4		
Virginia Tech	V10-0262	Conv	5.6	51.4	68.9	70.4	38.8	57.4	54.8	57.3
USG	75B75R	RR2Y	5.7	55.2	65.5	70.8	35.5	56.8	52.0	
Doeblers	RPM DB5710RR	RR	5.7	44.0	74.0	68.2	37.6	56.0	50.0	
NK	S56-M8	RR2Y	5.6	49.0	66.6	64.0	39.9	54.9		
Pioneer	P55T81R	RR	5.5	48.5	68.1	57.4	40.4	53.6		
University of Arkansas	UA 5612	Conv	5.6	49.0	66.2	61.9	36.7	53.5		
University of Arkansas	R10-230	Conv	5.6	49.7	62.5	61.2	39.8	53.3		
Virginia Tech	V12-0045R2	RR2Y	5.6	43.9	75.2	57.8	36.1	53.3		
Asgrow	AG5533	RR2Y/STS	5.5	48.1	70.5	56.7	37.3	53.2	50.0	
Mycogen Seeds	5N550R2	RR2Y	5.5	41.5	73.4	59.2	37.3	52.9	51.0	
Hubner Seed	H58-12	RR2Y	5.8	45.5	69.4	59.6	36.2	52.7	52.6	55.3
University of Arkansas	R07-6614RR	RR	5.7	44.6	64.1	62.7	38.7	52.5		
Public	Glenn	Conv	5.5	45.5	63.6	51.8	39.1	50.0	46.1	48.4
Southern Harvest	SH 5915 LL	LL	5.9	39.2	54.0	70.3	36.0	49.9	45.5	
USDA-ARS	JTN-5110	Conv	5.5	45.1	57.1	55.0	29.3	46.6	43.2	47.7
LSD P=.10				8.5	8.6	12.5	5.2			
CV				12.7	9.3	14.3	9.8			
Grand Mean				48.5	67.4	63.5	38.4	54.4	49.7	52.7

Table 7i. Yield summaries of double-crop late maturity group V entries.

				2016						2015	2014
Brand	Variety	Herb Resist	Relative Maturity	BLK	ORG	PTR	SUF	WAR	Avg.	2-year Avg.	3-year Avg.
Southern Harvest	SH 6515 LL	LL	6.5	54.5	54.4	40.5	56.2	62.7	53.7		
Stine	55RI02	RR2Y	5.6	45.4	39.7	42.8	62.2	56.6	49.3		
Hubner Seed	H58-12	RR2Y	5.8	48.9	47.0	39.8	53.8	52.1	48.3		
Dyna-Gro	S56RY84	RR2Y	5.6	46.4	41.4	40.9	58.3	53.1	48.0	49.7	54.0
Progeny Ag	P 5555RY	RR2Y	5.5	41.4	43.3	42.8	55.2	56.6	47.9	48.5	53.4
NK	S56-G6	RR	5.6	47.5	45.8	39.3	55.0	51.6	47.8		
Pioneer	P55T81R	RR	5.5	43.6	43.7	39.7	56.6	52.2	47.2		
Virginia Tech	V10-0262	Conv	5.6	43.6	43.0	38.4	53.0	53.8	46.4	49.3	54.3
Progeny Ag	P 5752RY	RR2Y	5.7	38.6	43.4	41.6	48.5	58.8	46.2	46.4	
Progeny Ag	P 5768RX	RR2X	5.7	38.1	40.9	40.9	53.6	56.5	46.0		
Mycogen Seeds	5N550R2	RR2Y	5.5	43.3	39.4	33.7	58.3	54.6	45.9	48.6	
Virginia Tech	V12-0045R2	RR2Y	5.6	43.3	43.9	36.0	50.4	54.4	45.6		
USG	75B75R	RR2Y	5.7	37.8	41.2	40.8	50.6	56.3	45.3		
Asgrow	AG5533	RR2Y/STS	5.5	45.1	35.8	41.3	52.5	51.8	45.3	47.7	
Southern Harvest	SH 5915 LL	LL	5.9	38.9	33.0	41.7	52.4	57.0	44.6	46.2	
Glenn	Public	Conv	5.5	41.1	32.5	39.0	57.1	50.8	44.1	46.5	51.3
Doeblers	RPM DB5710RR	RR	5.7	36.4	41.1	40.0	55.1	46.4	43.8		
USDA-ARS	JTN-5110	Conv	5.5	35.3	35.4	39.6	60.5	47.2	43.6	46.9	52.5
Virginia Tech	V12-0063R2	RR2Y	5.5	44.9	40.1	35.4	43.7	50.3	42.9		
LSD P=.10				5.1	6.5	7.6	5.0	5.7			
CV				8.7	11.3	14.0	6.7	7.9			
Grand Mean				42.6	41.5	39.7	53.7	52.8	46.1	47.8	53.1