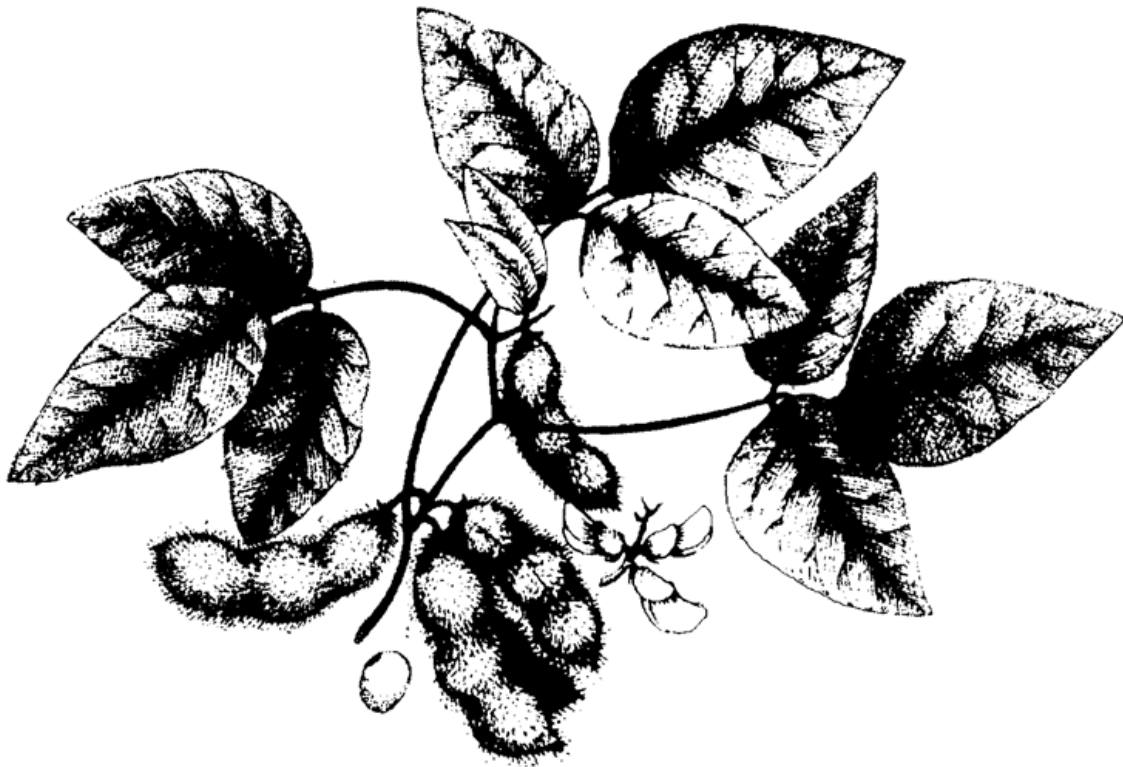




VIRGINIA SOYBEAN PERFORMANCE TESTS 2017

David Holshouser, Michael Ellis, Billy Taylor, Ed Seymore
Tidewater Agricultural Research and Extension Center

6321 Holland Road
Suffolk, VA 23437
(757) 807-6541
dholshou@vt.edu



ACKNOWLEDGEMENTS

The contributions of the following cooperators are gratefully acknowledged:

Seed Companies and Universities

Armor	Mycogen Seeds
Asgrow	Progeny Ag Products
Bayer CropScience	SeedKoz
Channel	Syngenta Seeds, Inc.
Coastal AgroBusiness	T.A. Seeds
Doebler's PA Hybrids Inc.	Tidewater Seed, LLC
Dupont Pioneer	UniSouth Genetics, Inc.
Dyna-Gro Seed	University of Arkansas
Growmark FS, LLC	University of Missouri
Hubner Seed	USDA-ARS
Meherrin Ag & Chemical Co	Virginia Tech
Mid Atlantic Seeds, Inc.	

Soybean Check-off Boards & Associations

Virginia Soybean Board

Virginia Soybean Association

Virginia Agricultural Experiment Station

Eastern Virginia Agricultural Research and Extension Center, Warsaw

Bob Pitman, Superintendent

Lin Barrack, Farm Manager

Eastern Shore Agricultural Research and Extension Center, Painter

Steven Rideout, Director

Tommy Custis, Farm Manager

Tidewater Agricultural Research and Extension Center, Suffolk

David Langston, Director

Carl Jones, Farm Manager

Producers

John Shepherd, Nottoway County

Cam Gibson, Orange County

Virginia Cooperative Extension

All County Extension Agents for assistance in disseminating this information

CONTENTS

Introduction	1
Materials and Methods	1
Interpreting the Results	2
Production Information	3
Monthly Precipitation	4
Suppliers of Soybean Varieties	5
Tables 1a-e. Yield summaries and average relative yields	7
Tables 2a-i. Yield summaries and two & three year data	16
Tables 3a-c. Performance of Maturity Group III Entries	25
Tables 4a-i. Performance of Early Maturity Group IV Entries	28
Tables 5a-i. Performance of Late Maturity Group IV Entries	37
Tables 6a-i. Performance of Early Maturity Group V Entries	46
Tables 7a-i. Performance of Late Maturity Group V Entries	55

INTRODUCTION

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

MATERIALS AND METHODS

Soybean varieties were entered by commercial seed companies, universities, and crop improvement associations. Performance tests were conducted under full-season (May-planted) and/or double-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 3. Fertilizer was applied according to Virginia Tech soil test recommendations. 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° 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-i contain yield summaries over all sites in 2017. Tables 2a-l contain yield summaries for either full-season or double-crop tests along with 2- and 3-year averages. 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 both full-season and double-crop systems; therefore, average yields across both systems may be misleading. Average relative yields are therefore calculated, allowing varieties to be ranked in descending order.

Tables 3 through 7 contain detailed yield and other performance data from each site. The greatest 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 tested less than 2 years be considered preliminary. Still, farmers 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. Other traits that may affect variety selection include lodging, height, seed quality, purple stain, and seed size.

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	5/31	No-Till	Dual II Mag, Sonic	5/31	None	Cecil sandy loam	15"	5	4	17'
Orange-FS	5/15	No-Till	Dual II Mag Firstate Flexstar Select	5/15	None	Davidson clay loam	15"	5	4	17'
Painter-FS	5/17	No-Till	Parrlay, Tricor DF Basagran, Reflex	5/19 6-22	Orthene, Mustang Max	Bojac sandy loam	15"	5	4	17'
Suffolk-FS	5/9	No-Till	Dual II Mag, Sonic Select	5/9 7/21	None	Eunola loamy fine sand	15"	5	4	17'
Warsaw-FS	6/3	Conv.	Medal II, First Rate	5/18	Tombstone	Kempsville loam	30"	4	2	12'
Blackstone-DC	6/28	No-Till	Envive Reflex	6/28	None	Cecil sandy loam	15"	5	4	17'
Orange-DC	6/27	No-Till	Dual II Mag, Sonic Select Reflex	6/27	None	Rapidan Silt loam	15"	5	4	17'
Suffolk-DC	6/14	No-Till	Dual II Mag, Sonic Select Reflex	6/14	Beseige, Headline	Dragston fine sandy loam	15"	5	4	17'
Warsaw-DC	6/13	No-Till	Medal II, First Rate	6/12	Tombstone, Stewart	Kempsville loam	7.5"	5	5	12'

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

Location		May	June	July	Aug.	Sept.	Oct.	Total
Blackstone	2017	6.65	3.20	1.82	7.80	1.49	4.01	24.97
	30-yr Avg.	3.94	3.63	4.37	3.88	4.28	3.38	23.48
Orange	2017	6.91	1.78	3.37	4.41	2.38	3.44	22.29
	30-yr. Avg.	4.46	4.46	4.60	3.18	4.43	3.53	24.66
Painter	2017	8.51	2.49	3.22	11.51	3.51	5.19	34.40
	30-yr Avg.	4.34	4.34	4.95	4.75	4.17	3.92	25.80
Suffolk	2017	6.04	1.50	4.36	4.33	2.68	2.21	21.12
	30-yr Avg.	4.08	3.76	5.07	5.15	5.54	4.03	25.40
Warsaw	2017	6.73	3.59	6.43	3.70	1.30	4.25	26.00
	30-yr Avg.	4.12	4.04	4.86	4.64	4.24	3.66	25.56

SUPPLIERS OF SOYBEAN VARIETIES TESTED		
SUPPLIER	BRAND	VARIETIES
Armor Seed 183 Pennsylvania Ave. Waldenburg, AR 72475	Armor	53-004, ARX5607, 55-R68
Asgrow 800 N Lindbergh Blvd. St. Louis, MO 63167	Asgrow	AG43X7, AG43X8, AG45X6, AG46X6, AG46X8, AG47X6, AG48X7, AG48X8, AG4835, AG49X6, AG5233, AG5335, AG53X6, AG5535, AG55X7, AG59X7
Bayer Crop Science 9077 Henderson Lane Machipongo, VA 23405	CZ	3841LL, 3945LL, 4044LL, 4105LL, 4181RY, 4222LL, 4308LL, 4540LL, 4548LL, 4748LL, 4818LL, 4918LL, 4938LL, 5147LL, 5150LL, 5242LL, 5375RY, 5515LL, 5727LL, 5947LL, 6109LL, 6316LL, 6515LL
Channel Bio 800 N. Lindbergh Blvd. St. Louis, MO 63167	Channel	4916R2X
Coastal AgroBusiness PO Box 856 Greenville, NC 27835	Stine	38LE02, 48RI23, 49LD02, 51RH20, 51LI32, 52LI20, 54LE23, 55RI02
Crop Production Services 1140 Sweet Road East Aurora, NY 14052	Dyna-Gro	S39XT08, S43RY95, S43XS27, S46XS87, S48XS78, S48XT56, S49XS76, S52RS86, S56XT98
Doebler's PA Hybrids Inc. 1000 Commerce Park Dr. Williamsport, PA 17701	Doeblers	DB3517R, RPM39X8, RPM42X8, RPM45R8, RPM48R8, RPM50X8, RPM56R8
Dupont Pioneer 425 Abbeydale Way Columbia, SC 29229	Pioneer	P38T20X, P43A87X, P46A16R, P48T27X, P48T53, P52A26R, P53T18X, P53T73, P55T81R
Growmark FS, LLC 1571 Blackiston Church Rd. Clayton, DEL 19938	Growmark FS-HiSoy	HS43X70, HS46X60, HS48X70, HS52T60
Hubner Seed 306 North Main Street Monticello, IN 47960	Hubner Seed	H43-27R2X, H47-16R2X, H49-27R2X, H52-18R2X, H57-18R2X
Meherrin Ag & Chemical Co 5745 Brushy Meadows Dr. Fuquay Varina, NC 27526	Southern Harvest	SH3814LL, SH4817LL, SH5215LL, SH5515LL, SH5915LL, SH6515LL
Mid-Atlantic Seeds 204 ST. Charles Way 163E York, PA 17403	Mid-Atlantic	MAS3516, MAS3817, MAS4355, MAS4417, MAS4556, MAS4811
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny	P4516RXS, P4620RXS, P4757RY, P4799RXS, P4816RX, P4851RX, P4929RXS, P4996RXS, P5016RXS, P5147RX, P5157RXS, P5376RX, P5414LLS, P5555RY, P5688RX, P5752RY

SeedKoz 1725 Windward Concourse Suite 410 Alpharetta, GA 30005	MorSoy	MS4616RXT, MS4846RXT, MS5607RXT, MS6027RXT
Syngenta Seeds, Inc. 4013 Fairmount Pike Signal Mountain, TN 37377	NK	S45-K5X, S48-R2X, S52-Y7X, S56-B7X
T.A. Seeds 39 Seeds Lane Jersey Shore, PA 17740	T.A. Seeds	TS4569R2X, TS4889R2XS, TS5659R2S
Tidewater Seed 210 Marlboro Ave. Easton, MD 21601	Axis	4617NRXS, 4818NRXS, 5016NRXS
UniSouth Genetics, Inc. 3205C Hwy 46 S Dickson, TN 37055	USG	73P93R, 7427XTS, 7447XTS, 7458XT, 7487XTS, 7496XTS, 74F24RS, 74K95RS, 7478XTS, 7479GT, 5618V, 7568XT, 75B75R, ELLIS
University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	University of Arkansas	UA 5014C, UA 5414RR, OSAGE, S13-3851C, S13-10590C, S13-1805C, S14-9051R, R13-1019, R09-430
University of Missouri PO Box 160, 147 West St. Portageville, MO	University of Missouri	S13-10590C, S13-3851C, S14-9051R, S13-1805C, S13-1955C, S14-9017R
USDA-ARS 605 Airways Blvd Jackson, TN 38301	USDA-ARS	JTN-5110
Virginia Tech 220 Ag Quad Ln Blacksburg, VA 24060	Virginia	V11-2187, V11-3485, V12-0045R2, V12-1416, V12- 3446, V13-0116, V13-3833, V14-4140

Table 1a. Yield summaries of maturity group III entries.

Brand	Variety	Herb Resist	Relative Maturit	Full-Season				Avg Rel
				ORG	PTR	WAR	AVG	
USG	73P93R	RR2Y	3.9	80.0	69.3	80.0	76.4	109
Southern Harvest	SH 3814 LL	LL	3.8	69.1	70.9	87.6	75.9	108
Stine	38LE02	LL	3.8	70.5	68.4	86.5	75.1	107
Credenz	CZ 3841 LL	LL	3.8	64.0	69.2	86.8	73.3	104
Dyna-Gro	S39XT08	RR2X	3.9	67.1	67.8	78.9	71.3	101
Credenz	CZ 3945 LL	LL	3.9	66.0	62.4	81.6	70.0	99
Pioneer	P38T20X	RR2X	3.8	65.1	59.3	82.6	69.0	98
Doebler's	RPM 39X8	RR2X	3.9	68.1	55.9	75.5	66.5	94
Mid-Atlantic Seeds	MAS3817	RR2Y	3.8	63.9	62.3	68.9	65.0	93
Mid-Atlantic Seeds	MAS3516	RR2Y	3.5	75.9	56.0	61.8	64.6	92
Doebler's	RPM DB3517R RR		3.5	66.3	50.8	73.2	63.4	90
LSD P=.10				8.1	7.4	11.1		
CV				8.4	8.3	10.0		
Grand Mean				68.8	63.6	78.9	70.4	

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Avg Rel Yield
Hubner Seed	H43-27R2X	RR2X	4.3	68.7	65.3	66.4	73.4	74.4	69.6	57.6	55.6	71.2	72.9	64.3	67.0	109
Dyna-Gro	S43XS27	RR2X/STS	4.3	63.4	66.9	57.2	83.1	70.2	68.2	60.1	55.3	70.8	72.2	64.6	66.4	108
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5	61.3	68.7	58.9	75.3	70.7	67.0						67.0	107
Credenz	CZ 4548 LL	LL	4.5							61.9	56.3	66.5	77.5	65.6	65.6	107
Axis	4617NRXS	RR2X	4.6	59.1	78.1	59.6	66.2	70.3	66.7	61.5	52.9	73.0	70.3	64.4	65.5	106
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4	56.1	76.2	60.7	64.3	68.8	65.2						65.2	105
Pioneer	P46A16R	RR	4.6	54.2	70.6	54.5	84.1	62.4	65.2	60.1	54.1	74.6	72.1	65.2	65.2	105
Asgrow	AG45X6	RR2X/STS	4.5	56.7	68.5	54.3	70.1	81.1	66.1	55.4	53.7	71.4	70.5	62.8	64.4	104
FS HiSoy	HS46X60	RR2X/STS	4.6	58.5	70.0	59.3	64.1	71.7	64.7						64.7	104
Mid-Atlantic Seeds	MAS4355	RR2Y/STS	4.3	51.5	75.9	52.5	70.5	75.8	65.2						65.2	104
MorSoy	MS 4616 RXT	RR2X	4.6	56.6	66.3	60.7	88.2	70.2	68.4	58.2	47.8	68.0	62.7	59.2	63.8	104
Asgrow	AG46X8	RR2X/STS	4.6	52.4	67.0	55.9	79.5	66.3	64.2	57.0	54.3	67.5	75.6	63.6	63.9	103
NK Brand	S45-K5X	RR2X	4.5	62.6	60.9	51.6	80.9	66.5	64.5						64.5	103
Asgrow	AG43X7	RR2X/STS	4.3	61.1	72.3	56.8	86.6	65.5	68.5	52.8	43.4	69.7	68.9	58.7	63.6	103
USG	7427XTS	RR2X/STS	4.2	52.5	78.5	52.2	77.0	62.9	64.6						64.6	103
Asgrow	AG43X8	RR2X	4.3	56.1	65.1	55.9	85.6	67.6	66.1	53.3	50.6	68.8	72.0	61.2	63.6	103
USG	7447XTS	RR2X/STS	4.4	54.4	65.2	56.3	82.5	71.5	66.0	59.0	48.7	70.6	65.8	61.0	63.5	103
Asgrow	AG46X6	RR2X	4.6	57.2	63.2	56.6	81.5	66.9	65.1	55.0	51.4	67.6	70.4	61.1	63.1	102
USG	7458XT	RR2X	4.5	55.3	51.6	52.4	84.6	72.8	63.3	61.4	54.4	65.8	65.5	61.8	62.6	101
Dyna-Gro	S46XS87	RR2X/STS	4.6	58.4	60.6	57.5	67.4	60.2	60.8	63.9	51.2	76.4	64.6	64.0	62.4	101
Progeny Ag Products	P4516RXS	RR2X/STS	4.6							56.3	51.5	68.5	70.9	61.8	61.8	101
Southern Harvest	SH 3814 LL	LL	3.8							51.1	50.1	66.7	80.2	62.0	62.0	101
T.A. Seeds	TS4569R2X	RR2X	4.5	53.9	63.9	58.7	66.6	63.6	61.3	59.5	55.2	68.6	65.0	62.1	61.7	100
FS HiSoy	HS43X70	RR2X/STS	4.4							60.7	46.9	70.7	67.3	61.4	61.4	100
Doebler's	RPM 45R8	RR	4.5	49.7	63.7	50.3	82.9	60.9	61.5	60.0	54.6	62.7	72.2	62.4	61.9	100
Dyna-Gro	S43RY95	RR2Y	4.3	57.3	67.7	50.9	76.4	67.4	63.9	56.1	49.7	58.6	72.0	59.1	61.5	100
University of Missouri	S13-3851C	CONV	4.3	61.8	57.4	55.4	67.6	67.7	62.0	59.5	51.2	64.5	65.0	60.1	61.0	99
Progeny Ag Products	P4620RXS	RR2X/STS	4.6							60.2	50.6	64.5	66.5	60.5	60.5	99
USG	74F24RS	RR2Y/STS	4.2	50.3	76.5	43.9	72.0	66.7	61.9	49.5	48.5	68.6	81.3	62.0	61.9	99
Credenz	CZ 4308 LL	LL	4.3	49.6	71.5	52.2	73.0	68.5	63.0	47.2	53.0	66.3	69.3	59.0	61.0	98

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Yield
Stine	38LE02	LL	3.8							56.0	46.9	64.6	73.9	60.4	60.4	98
Credenz	CZ 4222 LL	LL/STS	4.2	50.0	65.8	46.4	86.2	60.7	61.8						61.8	98
Credenz	CZ 4540 LL	LL	4.5	53.5	54.2	61.2	72.0	54.0	59.0						59.0	95
Pioneer	P43A87X	RR2X	4.3	52.7	61.9	50.3	69.5	59.1	58.7						58.7	94
Credenz	CZ 4044 LL	LL	4.0	52.9	66.2	39.1	67.7	69.9	59.2						59.2	94
University of Missouri	S14-9051R	RR	4.5	45.2	63.1	44.4	63.0	69.6	57.1	54.4	52.9	58.1	62.3	56.9	57.0	92
Virginia Tech	V11-2187	CONV	4.5	50.3	52.6	54.0	74.5	54.3	57.1	48.2	50.6	59.1	67.2	56.3	56.7	92
Credenz	CZ 4181 RY	RR2Y	4.1	42.4	62.7	42.0	82.3	60.8	58.0						58.0	91
University of Missouri	S13-10590C	CONV	4.3	45.5	60.1	46.5	61.1	60.6	54.8	52.0	49.7	52.6	64.6	54.7	54.7	89
Virginia Tech	V13-0116	RR	4.5	49.1	42.4	53.0	69.8	62.2	55.3	56.4	43.0	56.9	54.8	52.8	54.0	88
Credenz	CZ 4105 LL	LL	4.1	45.0	62.9	37.9	74.5	57.1	55.5						55.5	87
Doebler's	RPM 42X8	RR2X	4.2	43.3	54.8	39.0	73.9	59.7	54.1						54.1	85
LSD P=.10				6.8	9.6	8.3	9.7	7.7		7.0	8.2	6.1	7.8			
CV				9.2	10.9	11.5	9.5	8.6		9.0	11.6	6.7	8.3			
Grand Mean				54.4	65.0	52.9	74.9	66.1	62.7	56.9	51.4	66.8	69.3	61.1		

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Avg Rel Yield
FS HiSoy	HS48X70	RR2X/STS	4.8							65.0	55.0	65.9	80.7	66.7	66.7	110
USG	ELLIS	CONV	4.9	61.9	78.7	63.6	67.0	62.7	66.8						66.8	109
Hubner Seed	H49-27R2X	RR2X	4.9	70.0	76.5	63.6	57.3	60.9	65.7	57.8	53.9	70.8	76.2	64.7	65.2	106
Stine	48RI23	RR2Y	4.8	59.2	76.6	61.8	63.1	68.5	65.8	64.2	55.3	67.4	67.5	63.6	64.7	106
USG	7496XTS	RR2X/STS	4.9	56.1	80.9	58.4	61.6	71.3	65.7	60.7	51.8	70.1	73.6	64.1	64.9	106
Southern Harvest	SH 4817 LL	LL	4.8	58.7	65.4	61.9	55.9	68.9	62.2	63.5	54.1	69.2	79.8	66.7	64.4	105
Channel	4916R2X	RR2X/STS	4.9	62.7	76.6	58.7	62.0	67.8	65.6	54.4	48.8	74.7	74.1	63.0	64.3	105
USG	7487XTS	RR2X/STS	4.8	59.6	72.7	64.4	59.7	66.1	64.5	48.4	58.8	68.9	77.1	63.3	63.9	105
USG	74K95RS	RR2X	4.9	61.6	74.4	64.0	55.0	59.7	62.9	60.5	54.4	68.3	76.4	64.9	63.9	104
Asgrow	AG47X6	RR2X/STS	4.7	61.5	79.3	55.6	60.4	66.9	64.7	55.5	52.7	67.4	76.1	62.9	63.8	104
Asgrow	AG48X7	RR2X/STS	4.8	69.0	66.2	58.6	57.4	65.6	63.4	57.0	53.9	69.2	72.9	63.3	63.3	104
Axis	4818NRXS	RR2X	4.8	62.5	76.9	61.9	56.6	58.2	63.2	61.8	47.5	73.1	73.7	64.0	63.6	104
Asgrow	AG49X6	RR2Y	4.9	58.2	68.9	58.5	62.2	64.4	62.4	58.0	52.9	71.5	74.9	64.3	63.4	103
USG	7478XTS	RR2X/STS	4.7	62.0	83.9	58.9	51.8	62.0	63.7	56.4	55.0	61.6	78.4	62.9	63.3	103
Dyna-Gro	S48XS78	RR2X/STS	4.8	66.5	71.2	58.9	53.7	65.9	63.2	57.9	50.6	64.0	77	62.4	62.8	103
MorSoy	MS 4846 RXT	RR2X	4.8	59.6	72.2	54.7	64.2	59.4	62.0	56.2	51.2	69.3	73.2	62.5	62.2	102
Progeny Ag Products	P4816RX	RR2X	4.8							56.0	50.3	69.7	70.9	61.7	61.7	101
Progeny Ag Products	P4757RY	RR2Y	4.7							54.8	51.4	67.4	71.4	61.3	61.3	101
Stine	49LD02	LL	4.8	61.9	66.7	62.6	58.7	59.1	61.8	56.7	47.7	71.9	68.6	61.2	61.5	101
NK Brand	S48-R2X	RR2X	4.8	64.6	72.3	49.6	65.2	56.7	61.7						61.7	100
Asgrow	AG4835	RR2Y/STS	4.8	54.5	66.3	58.6	57.6	65.2	60.4	53.5	52.0	69.7	72.8	62.0	61.2	100
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8	67.3	68.4	57.8	53.6	59.2	61.3						61.3	100
Doebler's	RPM 48R8	RR	4.8	44.6	73.4	49.6	63.1	62.4	58.6	57.0	53.5	69.3	76.9	64.2	61.4	100
Progeny Ag Products	P4929RXS	RR2X/STS	4.9							57.0	47.2	69.4	69.2	60.7	60.7	99
Dyna-Gro	S49XS76	RR2X/STS	4.9	59.9	69.7	57.0	63.0	55.7	61.1	48.8	49.8	72.3	72.5	60.9	61.0	99
Asgrow	AG48X8	RR2X/STS	4.8	59.0	68.5	55.5	65.9	59.9	61.8	56.6	46.0	67.2	68.9	59.7	60.7	99
Hubner Seed	H47-16R2X	RR2X	4.7	62.0	71.8	57.1	50.2	59.8	60.2	59.0	52.1	67.1	66.5	61.2	60.7	99
Progeny Ag Products	P4996RXS	RR2X/STS	4.9							52.7	49.8	71.3	68.2	60.5	60.5	99
University of Arkansas	R13-1019	CONV	4.9	57.2	59.7	62.1	65.7	55.7	60.1						60.1	98
Pioneer	P48T27X	RR2X	4.8	61.2	80.1	55.6	57.1	60.8	63.0	51.4	46.3	65.6	64.3	56.9	59.9	98

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Avg Rel Yield
Credenz	CZ 4918 LL	LL	4.9							58.1	48.0	62.3	70.3	59.7	59.7	98
Progeny Ag Products	P4799RXS	RR2X/STS	4.7							55.6	45.3	64.1	74.4	59.9	59.9	98
Pioneer	P48T53	RR	4.8	51.4	71.3	51.0	59.9	62.2	59.2	53.8	49.2	62.9	74.4	60.1	59.6	97
Progeny Ag Products	P4851RX	RR2X	4.8							55.5	41.2	69.1	72.7	59.6	59.6	97
Credenz	CZ 4748 LL	LL	4.7	52.5	64.6	57.8	53.7	66.1	58.9						58.9	96
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8	60.2	58.4	52.9	54.7	56.8	56.6	55.9	46.4	63.2	71.7	59.3	58.0	94
Credenz	CZ 4938 LL	LL	4.9	58.1	66.0	58.2	55.4	51.9	57.9						57.9	94
Dyna-Gro	S48XT56	RR2X	4.8	62.9	58.3	47.5	60.8	58.9	57.7						57.7	94
USG	7479GT	RR	4.9	54.9	67.1	56.7	48.7	62.6	58.0	45.7	47.7	61.8	65.1	55.1	56.5	93
University of Missouri	S13-1805C	CONV	4.8	66.8	53.0	54.3	59.1	63.2	59.3	48.3	39.8	62.2	55	51.3	55.3	91
Virginia Tech	V14-4140	CONV	4.9	62.9	52.2	57.5	61.6	58.5	58.5	52.0	32.3	62.1	52.1	49.6	54.1	89
MO	MO4901DGT	RR	4.9	59.8	58.7	58.1	55.2	58.5	58.1	50.9	37.3	55.8	55.9	50.0	54.0	89
Credenz	CZ 4818 LL	LL	4.8	58.2	56.0	52.9	53.8	51.0	54.4						54.4	89
LSD P=.10				8.4	11.4	7.7	6.7	7.85		9.0	7.8	5.9	6.9			
CV				10.2	12.1	9.8	8.4	9.39		11.8	11.6	6.4	7.12			
Grand Mean				60.3	69.2	57.7	58.6	61.4	61.4	55.9	49.3	67.6	71.2	61.0		

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Avg Rel Yield
Stine	51RH20	RR2Y	5.1	63.3	81.6	62.7	60.5	85.9	70.8	58.1	61.6	67.0	76.8	65.9	68.3	113
Axis	5016NRXS	RR2X	5.0	64.7	83.3	63.3	67.3	85.9	72.9	58.1	53.5	64.8	78.5	63.7	68.3	113
Dyna-Gro	S52RS86	RR2Y/STS	5.2	72.4	69.5	75.8	68.8	73.4	72.0	57.6	50.3	68.7	77.9	63.6	67.8	112
Progeny Ag Products	P5016RXS	RR2X/STS	5.0							56.0	55.3	60.0	69.2	60.1	60.1	109
Hubner Seed	H52-18R2X	RR2X	5.2							51.8	49.1	64.3	75.9	60.3	60.3	107
Credenz	CZ 5150 LL	LL	5.1	77.2	65.6	63.4	64.5	76.7	69.5	61.6	44.9	62.5	71.2	60.1	64.8	107
Doebler's	RPM 50X8	RR2X	5.0	65.7	69.3	61.6	73.7	73.4	68.7	58.9	53.7	59.7	65.6	59.5	64.1	106
FS HiSoy	HS52T60	RR2Y/STS	5.2	76.5	56.3	66.3	69.9	78.6	69.5						69.5	106
Pioneer	P52A26R	RR	5.2	68.9	59.5	62.2	70.3	84.6	69.1						69.1	105
Southern Harvest	SH 5215 LL	LL	5.2	71.8	59.4	68.9	61.7	73.4	67.0	55.4	48.0	60.1	73.6	59.3	63.2	104
Asgrow	AG5335	RR2Y/STS	5.3	70.8	67.1	70.4	59.8	77.5	69.1	53.6	42.2	58.9	73.3	57.0	63.1	104
Armor	53-004	RR2X	5.3	63.0	69.9	61.7	66.4	76.6	67.5						67.5	103
Virginia Tech	V13-3833	CONV	5.2	64.3	60.5	56.8	75.5	72.7	66.0	58.9	43.1	54.2	74.5	57.7	61.8	102
Progeny Ag Products	P5417RX	RR2X	5.4							51.3	50.0	59.6	62.4	55.8	55.8	101
Public	Glenn	CONV	5.4	67.1	57.3	66.6	65.9	80.6	67.5	54.8	40.7		63.8	53.1	60.3	101
Stine	51LI32	LL	5.1	70.7	68.6	64.8	53.0	71.8	65.8						65.8	101
Asgrow	AG5535	RR2Y	5.5							49.4	43.2	65.1	68.9	56.7	56.7	101
Progeny Ag Products	P5376RX	RR2X	5.3							49.3	43.0	66.8	65.5	56.2	56.2	100
Asgrow	AG53X6	RR2X	5.3	63.9	70.0	67.0	63.1	72.4	67.3	51.3	39.2	56.1	63.5	52.5	59.9	99
Credenz	CZ 4918 LL	LL	4.9	65.6	64.5	54.5	59.3	79.9	64.8						64.8	99
Asgrow	AG5233	RR2Y	5.2	71.2	57.7	57.9	55.2	74.4	63.3	50.4	45.2	57.6	72.3	56.4	59.8	98
Stine	52LI20	LL	5.2	65.3	65.0	69.0	51.3	71.0	64.3	51.6	40.6	58.3	70.2	55.2	59.7	98
University of Arkansas	R09-430	CONV	5.1	65.3	56.0	56.4	64.6	79.5	64.4						64.4	98
Virginia Tech	V12-0045R2	RR2Y	5.3	69.7	56.3	65.8	64.4	77.0	66.6	52.4	32.3	58.7	63.0	51.6	59.1	97
Armor	ARX5607	RR2X	5.6	59.0	58.6	73.9	64.2	68.7	64.9	46.6	44.5	58.8	56.7	51.7	58.3	97
Credenz	CZ 5147 LL	LL	5.1	65.6	52.6	64.8	69.7	69.1	64.4	53.1	41.8	56.4	57.8	52.3	58.3	96
Pioneer	P53T73	RR2Y/STS	5.3							53.6	37.5	57.7	69.3	54.5	54.5	96
Pioneer	P53T18X	RR2X	5.3	64.5	58.6	62.9	60.8	73.8	64.1	52.0	33.7	58.4	65.8	52.5	58.3	96
NK Brand	S52-Y7X	RR2X	5.2	60.8	57.2	63.8	58.3	70.8	62.2						62.2	95
Virginia Tech	V11-3485	RR	5.3	65.5	52.9	63.0	57.7	71.1	62.0	46.5	37.6	62.1	68.4	53.7	57.8	95

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double-Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Avg Rel Yield
Virginia Tech	V12-3446	CONV	5.1	59.3	55.5	51.0	59.3	76.2	60.3	52.2	45.1	56.7	58.5	53.1	56.7	94
Credenz	CZ 4548 LL	LL	4.5	55.0	61.9	55.0	63.0	70.0	61.0						61.0	93
Progeny Ag Products	P5157RXS	RR2X/STS	5.1							53.0	34.2	54.0	69.5	52.7	52.7	93
Stine	54LE23	LL	5.4	68.2	50.6	62.5	47.8	74.6	60.7						60.7	92
Credenz	CZ 5242 LL	LL	5.2	68.7	53.3	58.1	55.5	68.4	60.8	51.7	37.0	55.3	62.3	51.6	56.2	92
Progeny Ag Products	P5414LLS	LL/STS	5.4							52.4	31.8	60.7	63.6	52.1	52.1	92
Credenz	CZ 5375 RY	RR2Y	5.3	55.9	61.7	65.6	56.0	75.7	63.0	47.9	36.3	55.8	51.8	48.0	55.5	92
University of Arkansas	UA 5014C	CONV	5.0	61.8	52.3	55.1	60.6	65.5	59.1						59.1	90
University of Arkansas	UA 5414RR	RR	5.4	62.3	52.9	50.9	55.6	69.7	58.3						58.3	89
LSD P=.10				7.6	10.6	7.1	8.1	9.3		6.9	10.2	6.9	7.9			
CV				8.5	12.7	8.3	9.5	9.2		9.5	17.0	6.7	8.5			
Grand Mean				66.1	61.1	62.9	62.3	74.6	65.4	53.1	43.4	59.9	68.1	56.1		

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double -Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Rel Yield
Asgrow	AG55X7	RR2X	5.5	64.3	67.1	64.3	73.7	77.6	69.4	50.9	48.2	71.2	65.5	59.0	64.2	112
USG	75B75R	RR2Y	5.7	59.8	66.4	66.2	77.4	71.3	68.2						68.2	111
Progeny Ag Products	P5752RY	RR2Y	5.7							45.6	49.8	65.7	71.5	58.2	58.2	109
Armor	55-R68	RR2X	5.5	65.5	55.9	64.3	74.8	74.1	66.9						66.9	108
T.A. SEEDS	TS5659R2S	RR2Y/STS	5.6	58.5	57.8	78.4	67.4	71.0	66.6						66.6	108
PUBLIC	GLENN	CONV	5.4	65.9	56.0	56.2	72.2	70.7	64.2	59.8	47.6	63.6	65.8	59.2	61.7	108
Stine	55RI02	RR2Y	5.5	57.6	47.2	72.6	76.8	71.8	65.2	45.8	46.1	68.4	65.6	56.5	60.8	105
NK Brand	S56-B7X	RR2X	5.6	64.4	53.9	66.1	70.1	67.0	64.3						64.3	104
Progeny Ag Products	P5555RY	RR2Y	5.5							52.6	37.9	65.1	67.7	55.8	55.8	104
Dyna-Gro	S56XT98	RR2X	5.6	63.4	54.0	66.6	69.6	66.8	64.1						64.1	104
Virginia Tech	V12-1416	CONV	5.5	58.8	53.4	68.7	64.8	67.6	62.7	46.9	46.4	65.0	65.6	56.0	59.3	103
USG	7568XT	RR2X	5.6	57.0	51.8	70.0	73.1	60.4	62.5	48.3	48.8	61.4	63.6	55.5	59.0	103
USG	5618V	CONV	5.6	62.0	62.1	62.3	71.8	69.7	65.6	45.0	42.5	57.8	63.8	52.3	58.9	103
Southern Harvest	SH 5515 LL	LL	5.5	67.8	50.6	64.6	58.3	70.1	62.3	46.8	45.8	63.1	62.4	54.5	58.4	102
Armor	ARX5607	RR2X	5.6	62.0	42.8	67.8	72.4	69.8	63.0						63.0	101
Southern Harvest	SH 6515 LL	LL	6.5	56.3	56.0	57.8	50.8	66.4	57.5	54.2	52.0	60.2	66.7	58.3	57.9	101
Hubner Seed	H57-18R2X	RR2X	5.7	60.1	63.2	70.7	66.3	72.0	66.5	44.2	33.9	63.1	56.8	49.5	58.0	101
University of Missouri	S14-9017R	RR	5.5	60.5	60.7	63.1	59.6	64.9	61.8						61.8	101
Credenz	CZ 5515 LL	LL	5.5	54.9	49.0	61.8	55.6	64.2	57.1	53.8	48.5	63.8	68.0	58.5	57.8	101
Progeny Ag Products	P5688RX	RR2X	5.6							43.4	48.2	56.7	63.9	53.1	53.1	100
MorSoy	MS 5607 RXT	RR2X	5.6	58.8	51.9	66.6	67.0	69.5	62.8	48.2	37.2	57.4	65.3	52.0	57.4	100
Asgrow	AG59X7	RR2X	5.9	54.7	48.5	66.1	69.2	65.7	60.8	54.5	40.9	58.8	54.9	52.3	56.6	99
Pioneer	P55T81R	RR	5.5	59.1	49.2	65.8	67.4	67.9	61.9	48.1	33.9	65.7	57.9	51.4	56.6	98
University of Arkansas	Osage	CONV	5.6	60.8	42.3	62.9	62.0	71.5	59.9						59.9	97
University of Missouri	S13-1955C	CONV	5.5	63.9	55.0	59.1	58.9	69.2	61.2	45.6	41.2	58.0	49.7	48.6	54.9	96
Credenz	CZ 6109 LL	LL	6.1	50.6	63.0	61.4	56.2	63.1	58.9						58.9	96
Doebler's	RPM 56R8	RR2Y	5.6	63.7	54.8	60.7	70.8	69.5	63.9	37.0	23.7	67.1	60.2	47.0	55.5	95
Credenz	CZ 6316 LL	LL/STS	6.3	54.2	53.4	57.4	59.9	65.3	58.0						58.0	94
MorSoy	MS 6027 RXT	RR2X	6.0	50.4	38.9	65.2	59.0	56.3	54.0	52.9	39.0	56.2	73.0	55.3	54.6	94
Credenz	CZ 5727 LL	LL	5.7	58.2	47.7	67.1	75.1	63.6	62.3	44.7	24.9	50.3	68.0	47.0	54.7	94

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

Brand	Variety	Herb Resist	Relative Maturit	Full-Season						Double -Crop					FS & DC	
				BLK	ORG	PTR	SUF	WAR	AVG	BLK	ORG	SUF	WAR	AVG	AVG	Rel Yield
USDA-ARS	JTN-5110	CONV	5.5	62.2	49.3	60.9	63.0	64.6	60.0	40.1	36.2	57.4	54.5	47.1	53.5	93
Southern Harvest	SH 5915 LL	LL	5.9	58.7	47.9	57.8	61.1	59.8	57.1	49.3	36.6	51.8	57.1	48.7	52.9	92
Credenz	CZ 5947 LL	LL	5.9	49.8	40.2	59.6	63.6	57.1	54.1	44.3	42.5	56.9	60.1	51.0	52.5	91
Credenz	CZ 6515 LL	LL	6.5	47.2	51.0	61.1	46.8	60.9	53.4						53.4	87
University of Arkansas	UA 5414RR	RR	5.4	58.9	48.1	54.7	44.6	50.6	51.4						51.4	84
LSD P=.10				6.9	12.0	7.6	11.2	8.2		7.2	7.6	6.7	8.9			
CV				8.5	16.7	8.7	12.5	9.0		11.0	13.6	8.0	10.3			
Grand Mean				59.3	53.0	63.8	65.2	67.1	61.7	47.9	41.4	61.1	62.8			

Table 2a. Yield summaries of full-season maturity group III entries.

Brand	Variety	Herb Resist	Relative Maturity	2017				2016	2015
				ORG	PTR	WAR	AVG	2-year AVG.	3-year AVG.
Credenz	CZ 3841 LL	LL	3.8	64.0	69.2	86.8	73.3	58.2	54.9
Credenz	CZ 3945 LL	LL	3.9	66.0	62.4	81.6	70.0	55.4	54.9
Doebler's	RPM 39X8	RR2X	3.9	68.1	55.9	75.5	66.5		
Doebler's	RPM DB3517R	RR	3.5	66.3	50.8	73.2	63.4	52.6	
Dyna-Gro	S39XT08	RR2X	3.9	67.1	67.8	78.9	71.3		
Mid-Atlantic Seeds	MAS3817	RR2	3.8	63.9	62.3	68.9	65.0		
Mid-Atlantic Seeds	MAS3516	RR2	3.5	75.9	56.0	61.8	64.6		
Pioneer	P38T20X	RR2X	3.8	65.1	59.3	82.6	69.0		
Southern Harvest	SH 3814 LL	LL	3.8	69.1	70.9	87.6	75.9	58.6	
Stine	38LE02	LL	3.8	70.5	68.4	86.5	75.1		
USG	73P93R	RR2Y	3.9	80.0	69.3	80.0	76.4	58.3	57.2
LSD P=.10				8.1	7.4	11.1			
CV				8.4	8.3	10.0			
Grand Mean				68.8	63.6	78.9	70.4	56.6	55.6

Table 2b. Yield summaries of full-season early maturity group IV entries.

Brand	Variety	Herb Resist	Relative Maturity	2017						2016	2015
				BLK	ORG	PTR	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Hubner Seed	H43-27R2X	RR2X	4.3	68.7	65.3	66.4	73.4	74.4	69.6		
Asgrow	AG43X7	RR2X/STS	4.3	61.1	72.3	56.8	86.6	65.5	68.5		
MorSoy	MS 4616 RXT	RR2X	4.6	56.6	66.3	60.7	88.2	70.2	68.4		
Dyna-Gro	S43XS27	RR2X/STS	4.3	63.4	66.9	57.2	83.1	70.2	68.2	60.5	
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5	61.3	68.7	58.9	75.3	70.7	67.0		
Axis	4617NRXS	RR2X	4.6	59.1	78.1	59.6	66.2	70.3	66.7		
Asgrow	AG45X6	RR2X/STS	4.5	56.7	68.5	54.3	70.1	81.1	66.1	58.2	
Asgrow	AG43X8	RR2X	4.3	56.1	65.1	55.9	85.6	67.6	66.1		
USG	7447XTS	RR2X/STS	4.4	54.4	65.2	56.3	82.5	71.5	66.0	58.6	
Mid-Atlantic Seeds	MAS4355	RR2X/STS	4.3	51.5	75.9	52.5	70.5	75.8	65.2	59.8	57.4
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4	56.1	76.2	60.7	64.3	68.8	65.2		
Pioneer	P46A16R	RR	4.6	54.2	70.6	54.5	84.1	62.4	65.2		
Asgrow	AG46X6	RR2X	4.6	57.2	63.2	56.6	81.5	66.9	65.1	61.2	
FS HiSoy	HS46X60	RR2X/STS	4.6	58.5	70.0	59.3	64.1	71.7	64.7		
USG	7427XTS	RR2X/STS	4.2	52.5	78.5	52.2	77.0	62.9	64.6		
NK Brand	S45-K5X	RR2X	4.5	62.6	60.9	51.6	80.9	66.5	64.5		
Asgrow	AG46X8	RR2X/STS	4.6	52.4	67.0	55.9	79.5	66.3	64.2		
Dyna-Gro	S43RY95	RR2Y	4.3	57.3	67.7	50.9	76.4	67.4	63.9	58.0	
USG	7458XT	RR2X	4.5	55.3	51.6	52.4	84.6	72.8	63.3		
Credenz	CZ 4308 LL	LL	4.3	49.6	71.5	52.2	73.0	68.5	63.0		
University of Missouri	S13-3851C	CONV	4.3	61.8	57.4	55.4	67.6	67.7	62.0		
USG	74F24RS	RR2Y/STS	4.2	50.3	76.5	43.9	72.0	66.7	61.9	59.1	56.7
Credenz	CZ 4222 LL	LL/STS	4.2	50.0	65.8	46.4	86.2	60.7	61.8	52.9	50.7
Doebler's	RPM 45R8	RR	4.5	49.7	63.7	50.3	82.9	60.9	61.5		
T.A. Seeds	TS4569R2X	RR2X	4.5	53.9	63.9	58.7	66.6	63.6	61.3		
Dyna-Gro	S46XS87	RR2X/STS	4.6	58.4	60.6	57.5	67.4	60.2	60.8	59.1	
Credenz	CZ 4044 LL	LL	4.0	52.9	66.2	39.1	67.7	69.9	59.2	53.4	51.7
Credenz	CZ 4540 LL	LL	4.5	53.5	54.2	61.2	72.0	54.0	59.0	55.0	52.4
Pioneer	P43A87X	RR2X	4.3	52.7	61.9	50.3	69.5	59.1	58.7		
Credenz	CZ 4181 RY	RR2Y	4.1	42.4	62.7	42.0	82.3	60.8	58.0	53.4	52.7
Virginia Tech	V11-2187	CONV	4.5	50.3	52.6	54.0	74.5	54.3	57.1	49.4	
University of Missouri	S14-9051R	RR	4.5	45.2	63.1	44.4	63.0	69.6	57.1		
Credenz	CZ 4105 LL	LL	4.1	45.0	62.9	37.9	74.5	57.1	55.5	49.3	49.9
Virginia Tech	V13-0116	RR	4.5	49.1	42.4	53.0	69.8	62.2	55.3		
University of Missouri	S13-10590C	CONV	4.3	45.5	60.1	46.5	61.1	60.6	54.8		
Doebler's	RPM 42X8	RR2X	4.2	43.3	54.8	39.0	73.9	59.7	54.1		
LSD P=.10				6.8	9.6	8.3	9.7	7.7			
CV				9.2	10.9	11.5	9.5	8.6			
Grand Mean				54.4	65.0	52.9	74.9	66.1	62.7		

Table 2c. Yield summaries of double-crop early maturity group IV entries.

Brand	Variety	Herb Resist	Relative Maturity	2017					2016	2015
				BLK	ORG	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Credenz	CZ 4548 LL	LL	4.5	61.9	56.3	66.5	77.5	65.6		
Pioneer	P46A16R	RR	4.6	60.1	54.1	74.6	72.1	65.2		
Dyna-Gro	S43XS27	RR2X/STS	4.3	60.1	55.3	70.8	72.2	64.6		
Axis	4617NRXS	RR2X	4.6	61.5	52.9	73.0	70.3	64.4		
Hubner Seed	H43-27R2X	RR2X	4.3	57.6	55.6	71.2	72.9	64.3		
Dyna-Gro	S46XS87	RR2X/STS	4.3	63.9	51.2	76.4	64.6	64.0	52.0	
Asgrow	AG46X8	RR2X/STS	4.6	57.0	54.3	67.5	75.6	63.6		
Asgrow	AG45X6	RR2X/STS	4.5	55.4	53.7	71.4	70.5	62.8	51.9	
Doebler's	RPM 45R8	RR	4.5	60.0	54.6	62.7	72.2	62.4		
T.A. SEEDS	TS4569R2X	RR2X	4.5	59.5	55.2	68.6	65.0	62.1		
Southern Harvest	SH 3814 LL	LL	3.8	51.1	50.1	66.7	80.2	62.0	50.3	
USG	74F24RS	RR2Y/STS	4.2	49.5	48.5	68.6	81.3	62.0	53.4	
Progeny Ag Products	P4516RXS	RR2X/STS	4.6	56.3	51.5	68.5	70.9	61.8	52.3	
USG	7458XT	RR2X	4.5	61.4	54.4	65.8	65.5	61.8		
FS HiSoy	HS43X70	RR2X/STS	4.4	60.7	46.9	70.7	67.3	61.4		
Asgrow	AG43X8	RR2X	4.3	53.3	50.6	68.8	72.0	61.2		
Asgrow	AG46X6	RR2X	4.6	55.0	51.4	67.6	70.4	61.1	50.5	
USG	7447XTS	RR2X/STS	4.5	59.0	48.7	70.6	65.8	61.0	51.5	
Progeny Ag Products	P4620RXS	RR2X/STS	4.6	60.2	50.6	64.5	66.5	60.5	50.0	
Stine	38LE02	LL	3.8	56.0	46.9	64.6	73.9	60.4		
University of Missouri	S13-3851C	CONV	4.3	59.5	51.2	64.5	65.0	60.1		
MorSoy	MS 4616 RXT	RR2X	4.6	58.2	47.8	68.0	62.7	59.2		
Dyna-Gro	S43RY95	RR2Y	4.3	56.1	49.7	58.6	72.0	59.1	50.2	
Credenz	CZ 4308 LL	LL	4.3	47.2	53.0	66.3	69.3	59.0		
Asgrow	AG43X7	RR2X/STS	4.3	52.8	43.4	69.7	68.9	58.7		
University of Missouri	S14-9051R	RR	4.5	54.4	52.9	58.1	62.3	56.9		
Virginia Tech	V11-2187	CONV	4.5	48.2	50.6	59.1	67.2	56.3	45.2	
University of Missouri	S13-10590C	CONV	4.3	52.0	49.7	52.6	64.6	54.7		
Virginia Tech	V13-0116	RR	4.6	56.4	43.0	56.9	54.8	52.8		
				7.0	8.2	6.1	7.8			
				9.0	11.6	6.7	8.3			
				56.9	51.4	66.8	69.3	61.1	50.7	

Table 2d. Yield summaries of full-season late maturity group IV entries.

Brand	Variety	Herb Resist	Relative Maturity	2017						2016	2015
				BLK	ORG	PTR	SUF	WAR	AVG.	2-year AVG.	3-year AVG.
USG	ELLIS	CONV	4.9	61.9	78.7	63.6	67.0	62.7	66.8	64.0	62.0
Stine	48RI23	RR2Y	4.8	59.2	76.6	61.8	63.1	68.5	65.8	62.7	
USG	7496XTS	RR2X/STS	4.9	56.1	80.9	58.4	61.6	71.3	65.7	63.1	
Hubner Seed	H49-27R2X	RR2X	4.9	70.0	76.5	63.6	57.3	60.9	65.7		
Channel	4916R2X	RR2X/STS	4.9	62.7	76.6	58.7	62.0	67.8	65.6	64.4	
Asgrow	AG47X6	RR2X/STS	4.7	61.5	79.3	55.6	60.4	66.9	64.7	62.9	
USG	7487XTS	RR2X/STS	4.8	59.6	72.7	64.4	59.7	66.1	64.5	63.5	
USG	7478XTS	RR2X/STS	4.7	62.0	83.9	58.9	51.8	62.0	63.7		
Asgrow	AG48X7	RR2X/STS	4.8	69.0	66.2	58.6	57.4	65.6	63.4		
Dyna-Gro	S48XS78	RR2X/STS	4.8	66.5	71.2	58.9	53.7	65.9	63.2		
Axis	4818NRXS	RR2X	4.8	62.5	76.9	61.9	56.6	58.2	63.2		
Pioneer	P48T27X	RR2X	4.8	61.2	80.1	55.6	57.1	60.8	63.0		
USG	74K95RS	RR2X	4.9	61.6	74.4	64.0	55.0	59.7	62.9	63.6	
Asgrow	AG49X6	RR2Y	4.9	58.2	68.9	58.5	62.2	64.4	62.4	61.7	
Southern Harvest	SH 4817 LL	LL	4.8	58.7	65.4	61.9	55.9	68.9	62.2	60.9	
MorSoy	MS 4846 RXT	RR2X	4.8	59.6	72.2	54.7	64.2	59.4	62.0		
Stine	49LD02	LL	4.8	61.9	66.7	62.6	58.7	59.1	61.8	63.7	
Asgrow	AG48X8	RR2X/STS	4.8	59.0	68.5	55.5	65.9	59.9	61.8		
NK Brand	S48-R2X	RR2X	4.8	64.6	72.3	49.6	65.2	56.7	61.7		
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8	67.3	68.4	57.8	53.6	59.2	61.3		
Dyna-Gro	S49XS76	RR2X/STS	4.9	59.9	69.7	57.0	63.0	55.7	61.1	62.1	
Asgrow	AG4835	RR2Y/STS	4.8	54.5	66.3	58.6	57.6	65.2	60.4	62.3	61.2
Hubner Seed	H47-16R2X	RR2X	4.7	62.0	71.8	57.1	50.2	59.8	60.2		
University of Arkansas	R13-1019	CONV	4.9	57.2	59.7	62.1	65.7	55.7	60.1		
University of Missouri	S13-1805C	CONV	4.8	66.8	53.0	54.3	59.1	63.2	59.3		
Pioneer	P48T53	RR	4.8	51.4	71.3	51.0	59.9	62.2	59.2	58.5	56.6
Credenz	CZ 4748 LL	LL	4.7	52.5	64.6	57.8	53.7	66.1	58.9		
Doebler's	RPM 48R8	RR	4.8	44.6	73.4	49.6	63.1	62.4	58.6		
Virginia Tech	V14-4140	CONV	4.9	62.9	52.2	57.5	61.6	58.5	58.5		
MO	MO4901DGT	RR	4.9	59.8	58.7	58.1	55.2	58.5	58.1		
USG	7479GT	RR	4.9	54.9	67.1	56.7	48.7	62.6	58.0		
Credenz	CZ 4938 LL	LL	4.9	58.1	66.0	58.2	55.4	51.9	57.9		
Dyna-Gro	S48XT56	RR2X	4.8	62.9	58.3	47.5	60.8	58.9	57.7	57.9	
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8	60.2	58.4	52.9	54.7	56.8	56.6		
Credenz	CZ 4818 LL	LL	4.8	58.2	56.0	52.9	53.8	51.0	54.4		
LSD P=.10				8.4	11.4	7.7	6.7	7.9			
CV				10.2	12.1	9.8	8.4	9.4			
Grand Mean				60.3	69.2	57.7	58.6	61.4	61.4	62.2	59.9

Table 2e. Yield summaries of double-crop late maturity group IV entries.

Brand	Variety	Herb Resist	Relative Maturity	2017					2016	2015
				BLK	ORG	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Southern Harvest	SH 4817 LL	LL	4.8	63.5	54.1	69.2	79.8	66.7	55.3	
FS HiSoy	HS48X70	RR2X/STS	4.8	65.0	55.0	65.9	80.7	66.7		
USG	74K95RS	RR2Y/STS	4.9	60.5	54.4	68.3	76.4	64.9	55.4	53.2
Hubner Seed	H49-27R2X	RR2X	4.9	57.8	53.9	70.8	76.2	64.7		
Asgrow	AG49X6	RR2Y	4.9	58.0	52.9	71.5	74.9	64.3	55.9	
Doebler's	RPM 48R8	RR	4.8	57.0	53.5	69.3	76.9	64.2		
USG	7496XTS	RR2X/STS	4.9	60.7	51.8	70.1	73.6	64.1	55.6	
Axis	4818NRXS	RR2X	4.8	61.8	47.5	73.1	73.7	64.0		
Stine	48RI23	RR2Y	4.8	64.2	55.3	67.4	67.5	63.6	55.6	
USG	7487XTS	RR2X/STS	4.8	48.4	58.8	68.9	77.1	63.3	54.6	
Asgrow	AG48X7	RR2X/STS	4.8	57.0	53.9	69.2	72.9	63.3		
Channel	4916R2X	RR2X/STS	4.9	54.4	48.8	74.7	74.1	63.0	54.4	
Asgrow	AG47X6	RR2X/STS	4.7	55.5	52.7	67.4	76.1	62.9	54.1	
USG	7478XTS	RR2X/STS	4.7	56.4	55.0	61.6	78.4	62.9		
MorSoy	MS 4846 RXT	RR2X	4.8	56.2	51.2	69.3	73.2	62.5		
Dyna-Gro	S48XS78	RR2X/STS	4.8	57.9	50.6	64.0	77.0	62.4		
Asgrow	AG4835	RR2Y/STS	4.8	53.5	52.0	69.7	72.8	62.0	53.1	51.0
Progeny Ag Products	P4816RX	RR2X	4.8	56.0	50.3	69.7	70.9	61.7	52.0	
Progeny Ag Products	P4757RY	RR2Y	4.7	54.8	51.4	67.4	71.4	61.3	53.5	51.0
Stine	49LD02	LL	4.8	56.7	47.7	71.9	68.6	61.2		
Hubner Seed	H47-16R2X	RR2X	4.7	59.0	52.1	67.1	66.5	61.2		
Dyna-Gro	S49XS76	RR2X/STS	4.9	48.8	49.8	72.3	72.5	60.9	53.9	
Progeny Ag Products	P4929RXS	RR2X/STS	4.9	57.0	47.2	69.4	69.2	60.7		
Progeny Ag Products	P4996RXS	RR2X/STS	4.9	52.7	49.8	71.3	68.2	60.5		
Pioneer	P48T53	RR	4.8	53.8	49.2	62.9	74.4	60.1	51.1	48.2
Progeny Ag Products	P4799RXS	RR2X/STS	4.7	55.6	45.3	64.1	74.4	59.9	51.4	
Asgrow	AG48X8	RR2X/STS	4.8	56.6	46.0	67.2	68.9	59.7		
Credenz	CZ 4918 LL	LL	4.9	58.1	48.0	62.3	70.3	59.7		
Progeny Ag Products	P4851RX	RR2X	4.8	55.5	41.2	69.1	72.7	59.6		
T.A. SEEDS	TS4889R2XS	RR2X/STS	4.8	55.9	46.4	63.2	71.7	59.3		
Pioneer	P48T27X	RR2X	4.8	51.4	46.3	65.6	64.3	56.9		
USG	7479GT	RR	4.9	45.7	47.7	61.8	65.1	55.1		
University of Missouri	S13-1805C	CONV	4.8	48.3	39.8	62.2	55.0	51.3		
MO	MO4901DGT	RR	4.9	50.9	37.3	55.8	55.9	50.0		
Virginia Tech	V14-4140	CONV	4.9	52.0	32.3	62.1	52.1	49.6		
LSD P=.10				9.0	7.8	5.9	6.9			
CV				11.8	11.6	6.4	7.1			
Grand Mean				55.9	49.3	67.6	71.2	61.0	54.0	50.8

Table 2f. Yield summaries of full-season early maturity group V entries.

Brand	Variety	Herb Resist	Relative Maturity	2017						2016	2015
				BLK	ORG	PTR	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Axis	5016NRXS	RR2X	5.0	64.7	83.3	63.3	67.3	85.9	72.9	61.8	
Dyna-Gro	S52RS86	RR2Y/STS	5.2	72.4	69.5	75.8	68.8	73.4	72.0	63.2	
Stine	51RH20	RR2Y	5.1	63.3	81.6	62.7	60.5	85.9	70.8	60.8	
FS HiSoy	HS52T60	RR2Y/STS	5.2	76.5	56.3	66.3	69.9	78.6	69.5		
Southern Harvest	SH 5215 LL	LL	5.2	72.2	65.2	67.5	64.5	78.2	69.5	61.1	61.0
Credenz	CZ 5150 LL	LL	5.1	77.2	65.6	63.4	64.5	76.7	69.5		
Asgrow	AG5335	RR2Y/STS	5.3	70.8	67.1	70.4	59.8	77.5	69.1	61.5	59.0
Pioneer	P52A26R	RR	5.2	68.9	59.5	62.2	70.3	84.6	69.1		
Doebler's	RPM 50X8	RR2X	5.0	65.7	69.3	61.6	73.7	73.4	68.7		
Armor	53-004	RR2X	5.3	63.0	69.9	61.7	66.4	76.6	67.5		
Public	Glenn	CONV	5.4	67.1	57.3	66.6	65.9	80.6	67.5	56.6	55.8
Asgrow	AG53X6	RR2X	5.3	63.9	70.0	67.0	63.1	72.4	67.3	59.1	
Virginia Tech	V12-0045R2	RR2Y	5.3	69.7	56.3	65.8	64.4	77.0	66.6		
Virginia Tech	V13-3833	CONV	5.2	64.3	60.5	56.8	75.5	72.7	66.0		
Stine	51LI32	LL	5.1	70.7	68.6	64.8	53.0	71.8	65.8	59.6	
Credenz	CZ 5147 LL	LL	5.1	69.2	50.1	67.9	70.0	70.3	65.5	58.1	55.2
Armor	ARX5607	RR2X	5.6	59.0	58.6	73.9	64.2	68.7	64.9		
Credenz	CZ 4918 LL	LL	4.9	65.6	64.5	54.5	59.3	79.9	64.8		
Southern Harvest	SH 5215 LL	LL	5.2	71.4	53.5	70.3	58.9	68.5	64.5		
University of Arkansas	R09-430	CONV	5.1	65.3	56.0	56.4	64.6	79.5	64.4	57.9	55.8
Stine	52LI20	LL	5.2	65.3	65.0	69.0	51.3	71.0	64.3	57.3	
Pioneer	P53T18X	RR2X	5.3	64.5	58.6	62.9	60.8	73.8	64.1		
Asgrow	AG5233	RR	5.2	71.2	57.7	57.9	55.2	74.4	63.3		
Credenz	CZ 5147 LL	LL	5.1	61.9	55.1	61.7	69.3	67.8	63.2		
Credenz	CZ 5375 RY	RR2Y	5.3	55.9	61.7	65.6	56.0	75.7	63.0	56.0	
NK Brand	S52-Y7X	RR2X	5.2	60.8	57.2	63.8	58.3	70.8	62.2		
Virginia Tech	V11-3485	RR	5.3	65.5	52.9	63.0	57.7	71.1	62.0	55.0	
Credenz	CZ 4548 LL	LL	4.5	55.0	61.9	55.0	63.0	70.0	61.0		
Credenz	CZ 5242 LL	LL	5.2	68.7	53.3	58.1	55.5	68.4	60.8		
Stine	54LE23	LL	5.4	68.2	50.6	62.5	47.8	74.6	60.7	56.0	56.6
Virginia Tech	V12-3446	CONV	5.1	59.3	55.5	51.0	59.3	76.2	60.3		
University of Arkansas	UA 5014C	CONV	5.0	61.8	52.3	55.1	60.6	65.5	59.1	52.7	51.6
University of Arkansas	UA 5414RR	RR	5.4	62.3	52.9	50.9	55.6	69.7	58.3		
LSD P=.10				7.6	10.6	7.1	8.1	9.3			
CV				8.5	12.7	8.3	9.5	9.2			
Grand Mean				66.1	61.1	62.9	62.3	74.6	65.4	58.4	56.4

Table 2g. Yield summaries of double-crop early maturity group V entries.

Brand	Variety	Herb Resist	Relative Maturity	2017					2016	2015
				BLK	ORG	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Stine	51RH20	RR2Y	5.1	58.1	61.6	67.0	76.8	65.9	55.9	
Axis	5016NRXS	RR2X	5.0	58.1	53.5	64.8	78.5	63.7	55.4	
Dyna-Gro	S52RS86	RR2Y/STS	5.2	57.6	50.3	68.7	77.9	63.6	56.7	
Hubner Seed	H52-18R2X	RR2X	5.2	51.8	49.1	64.3	75.9	60.3		
Progeny Ag Products	P5016RXS	RR2X/STS	5.0	56.0	55.3	60.0	69.2	60.1	54.0	
Credenz	CZ 5150 LL	LL	5.1	61.6	44.9	62.5	71.2	60.1		
Doebler's	RPM 50X8	RR2X	5.0	58.9	53.7	59.7	65.6	59.5		
Southern Harvest	SH 5215 LL	LL	5.2	55.4	48.0	60.1	73.6	59.3	53.9	53.4
Virginia Tech	V13-3833	CONV	5.2	58.9	43.1	54.2	74.5	57.7		
Asgrow	AG5335	RR2Y/STS	5.3	53.6	42.2	58.9	73.3	57.0	52.6	51.6
Asgrow	AG5535	RR2Y	5.5	49.4	43.2	65.1	68.9	56.7		
Asgrow	AG5233	RR	5.2	50.4	45.2	57.6	72.3	56.4		
Progeny Ag Products	P5376RX	RR2X	5.3	49.3	43.0	66.8	65.5	56.2		
Progeny Ag Products	P5417RX	RR2X	5.4	51.3	50.0	59.6	62.4	55.8	49.1	
Stine	52LI20	LL	5.2	51.6	40.6	58.3	70.2	55.2	50.4	
Pioneer	P53T73	RR2Y/STS	5.3	53.6	37.5	57.7	69.3	54.5	49.1	48.7
Virginia Tech	V11-3485	RR	5.3	46.5	37.6	62.1	68.4	53.7	49.6	
Virginia Tech	V12-3446	CONV	5.1	52.2	45.1	56.7	58.5	53.1		
Public	Glenn	CONV	5.4	54.8	40.7		63.8	53.1	47.0	46.3
Progeny Ag Products	P5157RXS	RR2X/STS	5.1	53.0	34.2	54.0	69.5	52.7		
Asgrow	AG53X6	RR2X	5.3	51.3	39.2	56.1	63.5	52.5	48.4	
Pioneer	P53T18X	RR2X	5.3	52.0	33.7	58.4	65.8	52.5		
Credenz	CZ 5147 LL	LL	5.1	53.1	41.8	56.4	57.8	52.3	50.2	
Progeny Ag Products	P5414LLS	LL/STS	5.4	52.4	31.8	60.7	63.6	52.1	48.8	47.8
Armor	ARX5607	RR2X	5.6	46.6	44.5	58.8	56.7	51.7		
Virginia Tech	V12-0045R2	RR2Y	5.3	52.4	32.3	58.7	63.0	51.6		
Credenz	CZ 5242 LL	LL	5.2	51.7	37.0	55.3	62.3	51.6		
Credenz	CZ 5375 RY	RR2Y	5.3	47.9	36.3	55.8	51.8	48.0	47.5	
LSD P=.10				6.9	10.2	6.9	7.9			
CV				9.5	17.0	6.7	8.5			
Grand Mean				53.1	43.4	59.9	68.1	56.1	51.3	49.5

Table 2h. Yield summaries of full-season late maturity group V entries.

Brand	Variety	Herb Resist	Relative Maturity	2017						2016	2015
				BLK	ORG	PTR	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Asgrow	AG55X7	RR2X	5.5	64.3	67.1	64.3	73.7	77.6	69.4		
USG	75B75R	RR2Y	5.7	59.8	66.4	66.2	77.4	71.3	68.2	63.1	57.8
Armor	55-R68	RR2X	5.5	65.5	55.9	64.3	74.8	74.1	66.9		
T.A. SEEDS	TS5659R2S	RR2Y/STS	5.6	58.5	57.8	78.4	67.4	71.0	66.6		
Hubner Seed	H57-18R2X	RR2X	5.7	60.1	63.2	70.7	66.3	72.0	66.5		
USG	5618V	CONV	5.6	62.0	62.1	62.3	71.8	69.7	65.6	61.9	58.6
Stine	55RI02	RR2Y	5.5	57.6	47.2	72.6	76.8	71.8	65.2	62.4	
NK Brand	S56-B7X	RR2X	5.6	64.4	53.9	66.1	70.1	67.0	64.3		
Public	Glenn	CONV	5.4	65.9	56.0	56.2	72.2	70.7	64.2	57.9	52.5
Dyna-Gro	S56XT98	RR2X	5.6	63.4	54.0	66.6	69.6	66.8	64.1		
Doebler's	RPM 56R8	RR	5.6	63.7	54.8	60.7	70.8	69.5	63.9		
Armor	ARX5607	RR2X	5.6	62.0	42.8	67.8	72.4	69.8	63.0		
MorSoy	MS 5607 RXT	RR2X	5.6	58.8	51.9	66.6	67.0	69.5	62.8		
Virginia Tech	V12-1416	CONV	5.5	58.8	53.4	68.7	64.8	67.6	62.7		
USG	7568XT	RR2X	5.6	57.0	51.8	70.0	73.1	60.4	62.5		
Credenz	CZ 5727 LL	LL	5.7	58.2	47.7	67.1	75.1	63.6	62.3		
Southern Harvest	SH 5515 LL	LL	5.5	67.8	50.6	64.6	58.3	70.1	62.3		
Pioneer	P55T81R	RR	5.5	59.1	49.2	65.8	67.4	67.9	61.9		
University of Missouri	S14-9017R	RR	5.5	60.5	60.7	63.1	59.6	64.9	61.8		
University of Missouri	S13-1955C	CONV	5.5	63.9	55.0	59.1	58.9	69.2	61.2		
Asgrow	AG59X7	RR2X	5.9	54.7	48.5	66.1	69.2	65.7	60.8		
USDA-ARS	JTN-5110	CONV	5.5	62.2	49.3	60.9	63.0	64.6	60.0	54.1	49.2
University of Arkansas	Osage	CONV	5.6	60.8	42.3	62.9	62.0	71.5	59.9		
Credenz	CZ 6109 LL	LL	6.1	50.6	63.0	61.4	56.2	63.1	58.9		
Credenz	CZ 6316 LL	LL/STS	6.3	54.2	53.4	57.4	59.9	65.3	58.0		
Southern Harvest	SH 6515 LL	LL	6.5	56.3	56.0	57.8	50.8	66.4	57.5	57.6	
Credenz	CZ 5515 LL	LL	5.5	54.9	49.0	61.8	55.6	64.2	57.1		
Southern Harvest	SH 5915 LL	LL	5.9	58.7	47.9	57.8	61.1	59.8	57.1	53.9	49.6
Credenz	CZ 5947 LL	LL	5.9	49.8	40.2	59.6	63.6	57.1	54.1		
MorSoy	MS 6027 RXT	RR2X	6.0	50.4	38.9	65.2	59.0	56.3	54.0		
Credenz	CZ 6515 LL	LL	6.5	47.2	51.0	61.1	46.8	60.9	53.4		
University of Arkansas	UA 5414RR	RR	5.4	58.9	48.1	54.7	44.6	50.6	51.4		
LSD P=.10				6.9	12.0	7.6	11.2	8.2			
CV				8.5	16.7	8.7	12.5	9.0			
Grand Mean				59.3	53.0	63.8	65.2	67.1	61.7	58.1	52.3

Table 2i. Yield summaries of double-crop late maturity group V entries.

Brand	Variety	Herb Resist	Relative Maturity	2017					2016	2015
				BLK	ORG	SUF	WAR	AVG	2-year AVG.	3-year AVG.
Asgrow	AG55X7	RR2X	5.5	50.9	48.2	71.2	65.5	59.0		
Asgrow	AG59X7	RR2X	5.9	54.5	40.9	58.8	54.9	52.3		
Credenz	CZ 5515 LL	LL	5.5	53.8	48.5	63.8	68.0	58.5		
Credenz	CZ 5727 LL	LL	5.7	44.7	24.9	50.3	68.0	47.0		
Credenz	CZ 5947 LL	LL	5.9	44.3	42.5	56.9	60.1	51.0		
Doebler's	RPM 56R8	RR	5.6	37.0	23.7	67.1	60.2	47.0		
Hubner Seed	H57-18R2X	RR2X	5.7	44.2	33.9	63.1	56.8	49.5		
MorSoy	MS 5607 RXT	RR2X	5.6	48.2	37.2	57.4	65.3	52.0		
MorSoy	MS 6027 RXT	RR2X	6.0	52.9	39.0	56.2	73.0	55.3		
Pioneer	P55T81R	RR	5.5	48.1	33.9	65.7	57.9	51.4	49.0	
Progeny Ag Products	P5555RY	RR2Y	5.5	52.6	37.9	65.1	67.7	55.8	51.4	50.0
Progeny Ag Products	P5688RX	RR2X	5.6	43.4	48.2	56.7	63.9	53.1		
Progeny Ag Products	P5752RY	RR2Y	5.7	45.6	49.8	65.7	71.5	58.2	51.5	49.3
PUBLIC	GLENN	CONV	5.4	59.8	47.6	63.6	65.8	59.2	50.8	49.4
Southern Harvest	SH 5515 LL	LL	5.5	46.8	45.8	63.1	62.4	54.5		
Southern Harvest	SH 5915 LL	LL	5.9	49.3	36.6	51.8	57.1	48.7	46.4	44.9
Southern Harvest	SH 6515 LL	LL	6.5	54.2	52.0	60.2	66.7	58.3	55.7	
Stine	55RI02	RR2Y	5.5	45.8	46.1	68.4	65.6	56.5	52.5	
University of Missouri	S13-1955C	CONV	5.5	45.6	41.2	58.0	49.7	48.6		
USDA-ARS	JTN-5110	CONV	5.5	40.1	36.2	57.4	54.5	47.1	45.1	45.9
USG	5618V	CONV	5.6	45.0	42.5	57.8	63.8	52.3	49.0	49.4
USG	7568XT	RR2X	5.6	48.3	48.8	61.4	63.6	55.5		
Virginia Tech	V12-1416	CONV	5.5	46.9	46.4	65.0	65.6	56.0		
LSD P=.10				7.2	7.6	6.7	8.9			
CV				11.0	13.6	8.0	10.3			
Grand Mean				47.9	41.4	61.1	62.8	53.3	50.3	47.5

Table 3a. Performance of Full-Season Maturity Group III Entries at Orange VA, 2017

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	73P93R	RR2Y	3.9		1.0	46	1	2.0	2460	80.0
Mid-Atlantic Seeds	MAS3516	RR2Y	3.5		1.2	42	1	2.0	2708	75.9
Stine	38LE02	LL	3.8		1.0	42	1	2.0	2402	70.5
Southern Harvest	SH 3814	LL LL	3.8		1.3	41	1	2.0	2579	69.1
Doebler's	RPM 39X8	RR2X	3.9		1.0	42	0	2.0	2297	68.1
Dyna-Gro	S39XT08	RR2X	3.9		1.0	49	1	2.0	2921	67.1
Doebler's	RPM DB35	RR	3.5		1.0	43	0	2.0	2567	66.3
Credenz	CZ 3945	LL LL	3.9		1.0	44	2	2.0	2637	66.0
Pioneer	P38T20X	RR2X	3.8		1.0	45	0	2.0	2461	65.1
Credenz	CZ 3841	LL LL	3.8		1.8	45	2	2.0	2539	64.0
Mid-Atlantic Seeds	MAS3817	RR2Y	3.8		1.2	46	0	2.0	2958	63.9
CV					0.7	5	1	.	147	8.1
Grand Mean					41.8	8	115	0.0	4	8.4
					1.1	44	1	2.0	2591	68.8

Table 3b. Performance of Full-Season Maturity Group III Entries at Painter VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Southern Harvest	SH 3814 LL	LL	3.8		1.0	25	2	2.0	2380	70.9
USG	73P93R	RR2Y	3.9		1.0	25	7	2.0	2315	69.3
Credenz	CZ 3841 LL	LL	3.8		1.0	26	3	2.0	2412	69.2
Stine	38LE02	LL	3.8		1.0	23	4	2.0	2370	68.4
Dyna-Gro	S39XT08	RR2X	3.9		1.0	29	4	2.0	2682	67.8
Credenz	CZ 3945 LL	LL	3.9		1.0	25	4	2.0	2585	62.4
Mid-Atlantic Seeds	MAS3817	RR2Y	3.8		1.0	24	5	2.0	2562	62.3
Pioneer	P38T20X	RR2X	3.8		1.0	23	3	2.0	2420	59.3
Mid-Atlantic Seeds	MAS3516	RR2Y	3.5		1.0	21	4	2.0	2375	56.0
Doebler's	RPM 39X8	RR2X	3.9		1.0	24	7	2.0	2197	55.9
Doebler's	RPM DB3517R	RR	3.5		1.0	24	10	2.0	2423	50.8
LSD P=.10					.	3	3	.	90	7.4
CV					0.0	10	52	0.0	3	8.3
Grand Mean					1.0	24	5	2.0	2425	63.6

Table 3c. Performance of Full-Season Maturity Group III Entries at Warsaw VA, 2017

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 Harvest	SH 3814 LL	LL	3.8	27-Sep	1.5	39	2	2.0	2455	88.4
Credenz	CZ 3841 LL	LL	3.8	27-Sep	2.2	43	2	2.0	2433	86.8
Stine	38LE02	LL	3.8	26-Sep	1.4	38	3	2.0	2394	86.5
Pioneer	P38T20X	RR2X	3.8	24-Sep	1.3	33	2	2.0	2514	82.6
Credenz	CZ 3945 LL	LL	3.9	29-Sep	1.5	39	0	2.0	2690	81.6
USG	73P93R	RR2Y	3.9	28-Sep	1.5	38	2	2.0	2437	80.0
Dyna-Gro	S39XT08	RR2X	3.9	28-Sep	1.7	42	1	2.0	2933	78.9
Doebler's	RPM 39X8	RR2X	3.9	26-Sep	1.2	34	6	3.0	2322	75.5
Doebler's	RPM DB3517R	RR	3.5	24-Sep	1.2	36	3	2.0	2445	73.2
Mid-Atlantic Seeds	MAS3817	RR2Y	3.8	25-Sep	1.6	38	4	2.0	2873	68.9
Mid-Atlantic Seeds	MAS3516	RR2Y	3.5	21-Sep	1.0	30	4	3.0	2487	61.8
LSD P=.10				2.75	0.5	6	3	.	144	11.1
CV				7.47	23.3	11	84	0.0	4	10.0
Grand Mean				26-Sep	1.5	37	3	2.2	2539	78.9

Table 4a. Performance of Full-Season Early Maturity Group IV Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Hubner Seed	H43-27R2X	RR2X	4.3		1.0	33	1	2.0	2346	68.7
Dyna-Gro	S43XS27	RR2X/STS	4.3		1.0	29	1	2.0	2464	63.4
NK Brand	S45-K5X	RR2X	4.5		1.0	22	2	2.0	2253	62.6
University of Missouri	S13-3851C	CONV	4.3		1.0	27	1	2.0	2411	61.8
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5		1.0	29	0	2.7	2605	61.3
Asgrow	AG43X7	RR2X/STS	4.3		1.0	30	1	2.0	2259	61.1
Axis	4617NRXS	RR2X	4.6		1.0	31	1	2.3	2380	59.1
FS HiSoy	HS46X60	RR2X/STS	4.6		1.0	31	0	2.0	2420	58.5
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.0	31	0	2.7	2394	58.4
Dyna-Gro	S43RY95	RR2Y	4.3		1.2	31	2	2.0	2297	57.3
Asgrow	AG46X6	RR2X	4.6		1.0	27	0	2.7	2110	57.2
Asgrow	AG45X6	RR2X/STS	4.5		1.0	26	1	2.0	2267	56.7
MorSoy	MS 4616 RXT	RR2X	4.6		1.0	29	0	2.0	2520	56.6
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4		1.0	33	2	2.7	2338	56.1
Asgrow	AG43X8	RR2X	4.3		1.0	26	0	2.0	2040	56.1
USG	7458XT	RR2X	4.5		1.0	23	1	2.0	2289	55.3
USG	7447XTS	RR2X/STS	4.4		1.0	27	1	2.0	2422	54.4
Pioneer	P46A16R	RR	4.6		1.0	26	1	2.3	2287	54.2
T.A. Seeds	TS4569R2X	RR2X	4.5		1.0	28	1	2.0	2390	53.9
Credenz	CZ 4540 LL	LL	4.5		1.0	34	0	2.0	2593	53.5
Credenz	CZ 4044 LL	LL	4.0		1.0	26	2	2.0	2276	52.9
Pioneer	P43A87X	RR2X	4.3		1.2	28	0	2.0	2498	52.7
USG	7427XTS	RR2X/STS	4.2		1.0	26	1	2.0	2283	52.5
Asgrow	AG46X8	RR2X/STS	4.6		1.0	28	1	2.7	2360	52.4
Mid-Atlantic Seeds	MAS4355	RR2Y/STS	4.3		1.0	31	1	3.0	2137	51.5
Virginia Tech	V11-2187	CONV	4.5		1.0	26	0	2.0	2427	50.3
USG	74F24RS	RR2Y/STS	4.2		1.0	31	1	2.0	2212	50.3
Credenz	CZ 4222 LL	LL/STS	4.2		1.0	24	2	2.0	2482	50.0
Doebler's	RPM 45R8	RR	4.5		1.0	25	1	2.0	2321	49.7
Credenz	CZ 4308 LL	LL	4.3		1.0	24	1	2.0	2275	49.6
Virginia Tech	V13-0116	RR	4.5		1.0	26	1	2.0	2735	49.1
University of Missouri	S13-10590C	CONV	4.3		1.0	26	3	2.0	2186	45.5
University of Missouri	S14-9051R	RR	4.5		1.0	23	2	2.0	2456	45.2
Credenz	CZ 4105 LL	LL	4.1		1.0	25	1	2.0	2115	45.0
Doebler's	RPM 42X8	RR2X	4.2		1.2	22	2	2.0	2630	43.3
Credenz	CZ 4181 RY	RR2X	4.1		1.0	27	3	2.0	2055	42.4
LSD P=.10					0.1	4	1	0.4	106	6.8
CV					8.0	10	91	12.0	3	9.2
Grand Mean					1.0	28	1	2.1	2348	54.4

Table 4b. Performance of Full-Season Early Maturity Group IV Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
USG	7427XTS	RR2X/STS	4.2	28-Sep	1.7	53	1	2.0	2472	78.5
Axis	4617NRXS	RR2X	4.6	5-Oct	3.7	56	0	2.0	2632	78.1
USG	74F24RS	RR2Y/STS	4.2	28-Sep	3.2	56	1	2.0	2473	76.5
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4	9-Oct	3.3	60	1	2.0	2856	76.2
Mid-Atlantic Seeds	MAS4355	RR2Y/STS	4.3	28-Sep	2.7	57	0	2.0	2631	75.9
Asgrow	AG43X7	RR2X/STS	4.3	1-Oct	3.0	51	1	2.0	2786	72.3
Credenz	CZ 4308 LL	LL	4.3	28-Sep	2.3	47	0	2.0	2762	71.5
Pioneer	P46A16R	RR	4.6	9-Oct	2.0	50	0	2.0	2845	70.6
FS HiSoy	HS46X60	RR2X/STS	4.6	9-Oct	2.3	55	0	2.0	2742	70.0
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5	9-Oct	3.8	54	2	2.0	2862	68.7
Asgrow	AG45X6	RR2X/STS	4.5	28-Sep	1.8	47	0	2.0	2802	68.5
Dyna-Gro	S43RY95	RR2Y	4.3	5-Oct	3.2	54	1	2.0	2719	67.7
Asgrow	AG46X8	RR2X/STS	4.6	9-Oct	2.0	53	1	2.0	2723	67.0
Dyna-Gro	S43XS27	RR2X/STS	4.3	9-Oct	3.0	52	0	2.0	3035	66.9
MorSoy	MS 4616 RXT	RR2X	4.6	9-Oct	3.8	56	1	2.0	3177	66.3
Credenz	CZ 4044 LL	LL	4.0	28-Sep	1.5	46	0	2.0	2615	66.2
Credenz	CZ 4222 LL	LL/STS	4.2	1-Oct	1.8	44	1	2.0	3198	65.8
Hubner Seed	H43-27R2X	RR2X	4.3	9-Oct	2.7	60	0	2.0	2704	65.3
USG	7447XTS	RR2X/STS	4.4	9-Oct	2.2	52	2	2.0	2974	65.2
Asgrow	AG43X8	RR2X	4.3	1-Oct	1.8	49	0	2.0	2610	65.1
T.A. Seeds	TS4569R2X	RR2X	4.5	9-Oct	2.3	50	0	2.0	2946	63.9
Doebler's	RPM 45R8	RR	4.5	5-Oct	1.3	48	1	2.0	2773	63.7
Asgrow	AG46X6	RR2X	4.6	9-Oct	2.7	50	0	2.0	2498	63.2
University of Missouri	S14-9051R	RR	4.5	9-Oct	1.5	42	1	2.0	3102	63.1
Credenz	CZ 4105 LL	LL	4.1	5-Oct	1.3	47	0	2.0	2372	62.9
Credenz	CZ 4181 RY	RR2Y	4.1	28-Sep	2.0	48	2	2.0	2492	62.7
Pioneer	P43A87X	RR2X	4.3	1-Oct	4.0	51	1	2.0	3092	61.9
NK Brand	S45-K5X	RR2X	4.5	9-Oct	3.0	45	0	2.0	2893	60.9
Dyna-Gro	S46XS87	RR2X/STS	4.6	9-Oct	3.2	57	0	2.0	2809	60.6
University of Missouri	S13-10590C	CONV	4.3	9-Oct	2.8	47	0	2.0	2838	60.1
University of Missouri	S13-3851C	CONV	4.3	5-Oct	3.2	47	0	2.0	2832	57.4
Doebler's	RPM 42X8	RR2X	4.2	1-Oct	2.3	46	0	2.0	3229	54.8
Credenz	CZ 4540 LL	LL	4.5	9-Oct	2.8	53	0	2.0	2886	54.2
Virginia Tech	V11-2187	CONV	4.5	9-Oct	2.0	48	0	2.0	3043	52.6
USG	7458XT	RR2X	4.5	5-Oct	2.2	39	1	2.0	2830	51.6
Virginia Tech	V13-0116	RR	4.5	9-Oct	3.0	53	0	2.0	3178	42.4
LSD P=.10					1.1	5	1	.	173	9.6
CV					32.1	7	161	0.0	5	10.9
Grand Mean				5-Oct	2.5	51	1	2.0	2818	65.0

Table 4c. Performance of Full-Season Early Maturity Group IV Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	Yield (Bu/A)
Hubner Seed	H43-27R2X	RR2X	4.3		1.0	28	5	2.0	2620	66.4
Credenz	CZ 4540 LL	LL	4.5		1.0	29	1	2.0	2792	61.2
MorSoy	MS 4616 RXT	RR2X	4.6		1.0	25	0	2.0	3008	60.7
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4		1.0	31	4	2.0	2692	60.7
Axis	4617NRXS	RR2X	4.6		1.0	25	4	2.0	2570	59.6
FS HiSoy	HS46X60	RR2X/STS	4.6		1.0	26	3	2.0	2625	59.3
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5		1.0	28	4	2.0	2648	58.9
T.A. Seeds	TS4569R2X	RR2X	4.5		1.0	26	1	2.0	2725	58.7
Dyna-Gro	S46XS87	RR2X/STS	4.6		1.0	25	3	2.0	2562	57.5
Dyna-Gro	S43XS27	RR2X/STS	4.3		1.0	22	4	2.0	2759	57.2
Asgrow	AG43X7	RR2X/STS	4.3		1.0	25	1	2.0	2656	56.8
Asgrow	AG46X6	RR2X	4.6		1.0	23	2	2.0	2328	56.6
USG	7447XTS	RR2X/STS	4.4		1.0	24	3	2.0	2708	56.3
Asgrow	AG43X8	RR2X	4.3		1.0	25	2	2.0	2332	55.9
Asgrow	AG46X8	RR2X/STS	4.6		1.0	25	3	2.0	2595	55.9
University of Missouri	S13-3851C	CONV	4.3		1.0	20	3	2.0	2590	55.4
Pioneer	P46A16R	RR	4.6		1.0	23	2	2.0	2661	54.5
Asgrow	AG45X6	RR2X/STS	4.5		1.0	24	2	2.0	2561	54.3
Virginia Tech	V11-2187	CONV	4.5		1.0	25	1	2.0	2959	54.0
Virginia Tech	V13-0116	RR	4.5		1.0	28	1	2.0	3089	53.0
Mid-Atlantic Seeds	MAS4355	RR2Y/STS	4.3		1.0	25	2	2.0	2501	52.5
USG	7458XT	RR2X	4.5		1.0	20	4	2.0	2474	52.4
USG	7427XTS	RR2X/STS	4.2		1.0	21	2	2.0	2717	52.2
Credenz	CZ 4308 LL	LL	4.3		1.0	26	1	2.0	2581	52.2
NK Brand	S45-K5X	RR2X	4.5		1.0	19	4	2.0	2459	51.6
Dyna-Gro	S43RY95	RR2Y	4.3		1.3	25	1	2.0	2706	50.9
Pioneer	P43A87X	RR2X	4.3		1.0	24	0	2.0	2910	50.3
Doebler's	RPM 45R8	RR	4.5		1.0	20	3	2.0	2573	50.3
University of Missouri	S13-10590C	CONV	4.3		1.0	24	7	2.0	2383	46.5
Credenz	CZ 4222 LL	LL/STS	4.2		1.0	22	3	2.0	2760	46.4
University of Missouri	S14-9051R	RR	4.5		1.0	20	6	2.0	2776	44.4
USG	74F24RS	RR2Y/STS	4.2		1.0	24	2	2.0	2454	43.9
Credenz	CZ 4181 RY	RR2Y	4.1		1.0	23	10	2.0	2352	42.0
Credenz	CZ 4044 LL	LL	4.0		1.0	23	3	2.0	2590	39.1
Doebler's	RPM 42X8	RR2X	4.2		1.0	18	10	2.0	2698	39.0
Credenz	CZ 4105 LL	LL	4.1		1.0	22	3	2.0	2402	37.9
LSD P=.10					0.1	3	2	.	104	8.3
CV					9.5	9	61	0.0	3	11.5
Grand Mean					1.0	24	3	2.0	2634	52.9

Table 4d. Performance of Full-Season Early Maturity Group IV Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
MorSoy	MS 4616 RXT	RR2X	4.6	6-Oct	2.3	45	0	2.0	2878	88.2
Asgrow	AG43X7	RR2X/STS	4.3	4-Oct	1.8	44	1	2.0	2925	86.6
Credenz	CZ 4222 LL	LL/STS	4.2	5-Oct	2.2	34	2	2.3	2955	86.2
Asgrow	AG43X8	RR2X	4.3	6-Oct	2.0	42	1	2.0	2506	85.6
USG	7458XT	RR2X	4.5	5-Oct	1.7	37	0	1.7	2527	84.6
Pioneer	P46A16R	RR	4.6	6-Oct	1.5	46	0	1.3	2645	84.1
Dyna-Gro	S43XS27	RR2X/STS	4.3	6-Oct	2.2	43	0	2.0	2829	83.1
Doebler's	RPM 45R8	RR	4.5	6-Oct	1.8	39	2	1.7	2964	82.9
USG	7447XTS	RR2X/STS	4.4	6-Oct	2.3	41	1	2.0	2757	82.5
Credenz	CZ 4181 RY	RR2Y	4.1	5-Oct	2.0	43	3	2.0	2478	82.3
Asgrow	AG46X6	RR2X	4.6	6-Oct	2.2	42	0	2.0	2314	81.5
NK Brand	S45-K5X	RR2X	4.5	3-Oct	2.7	39	1	1.7	2631	80.9
Asgrow	AG46X8	RR2X/STS	4.6	6-Oct	2.8	43	2	2.0	2794	79.5
USG	7427XTS	RR2X/STS	4.2	4-Oct	2.0	40	0	2.0	2962	77.0
Dyna-Gro	S43RY95	RR2Y	4.3	5-Oct	3.7	40	1	2.0	2975	76.4
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5	6-Oct	3.2	44	2	2.3	2930	75.3
Credenz	CZ 4105 LL	LL	4.1	3-Oct	1.2	34	1	2.0	2395	74.5
Virginia Tech	V11-2187	CONV	4.5	6-Oct	2.0	39	0	1.3	2653	74.5
Doebler's	RPM 42X8	RR2X	4.2	6-Oct	4.3	41	4	2.0	2893	73.9
Hubner Seed	H43-27R2X	RR2X	4.3	3-Oct	1.7	52	0	2.0	2888	73.4
Credenz	CZ 4308 LL	LL	4.3	6-Oct	4.2	46	2	2.0	2449	73.0
USG	74F24RS	RR2Y/STS	4.2	3-Oct	3.7	45	1	2.0	2827	72.0
Credenz	CZ 4540 LL	LL	4.5	6-Oct	3.2	43	0	2.0	2780	72.0
Mid-Atlantic Seeds	MAS4355	RR2Y/STS	4.3	3-Oct	4.0	47	0	2.3	2854	70.5
Asgrow	AG45X6	RR2X/STS	4.5	5-Oct	2.8	38	0	2.0	2909	70.1
Virginia Tech	V13-0116	RR	4.5	6-Oct	4.0	45	0	2.0	2833	69.8
Pioneer	P43A87X	RR2X	4.3	6-Oct	3.8	41	0	2.0	2922	69.5
Credenz	CZ 4044 LL	LL	4.0	3-Oct	3.2	38	1	1.7	2841	67.7
University of Missouri	S13-3851C	CONV	4.3	4-Oct	3.5	41	1	2.0	2752	67.6
Dyna-Gro	S46XS87	RR2X/STS	4.6	3-Oct	3.7	48	0	1.7	3048	67.4
T.A. Seeds	TS4569R2X	RR2X	4.5	4-Oct	2.7	42	0	2.0	3168	66.6
Axis	4617NRXS	RR2X	4.6	3-Oct	3.0	50	0	1.3	2803	66.2
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4	3-Oct	4.3	51	0	1.7	3347	64.3
FS HiSoy	HS46X60	RR2X/STS	4.6	3-Oct	3.5	48	0	2.0	3064	64.1
University of Missouri	S14-9051R	RR	4.5	6-Oct	1.3	30	3	2.0	3045	63.0
University of Missouri	S13-10590C	CONV	4.3	6-Oct	2.2	40	1	2.0	2668	61.1
LSD P=.10					1.0	3	1	0.5	178	9.7
CV					26.6	6	104	17.6	5	9.5
Grand Mean				4-Oct	2.7	42	1	1.9	2811	74.9

Table 4e. Performance of Full-Season Early Maturity Group IV Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Credenz	CZ 4044 LL	LL	4.0	28-Sep	1.4	39	3	2.3	2423	87.0
Axis	4617NRXS	RR2X	4.6	7-Oct	1.8	48	1	2.3	2638	82.8
Mid-Atlantic Seeds	MAS4355	RR2Y/STS	4.3	30-Sep	1.5	41	3	3.0	2560	81.4
FS HiSoy	HS46X60	RR2X/STS	4.6	7-Oct	1.8	46	1	2.0	2639	77.7
Dyna-Gro	S43RY95	RR2Y	4.3	2-Oct	1.9	41	2	2.0	2736	77.5
USG	74F24RS	RR2Y/STS	4.2	1-Oct	1.5	42	3	3.0	2486	77.3
Asgrow	AG46X8	RR2X/STS	4.6	3-Oct	1.8	44	2	3.0	2677	77.1
USG	7447XTS	RR2X/STS	4.4	4-Oct	1.8	42	2	2.3	2864	76.6
Mid-Atlantic Seeds	MAS4556	RR2X/STS	4.5	3-Oct	1.4	43	1	1.3	2913	75.2
Hubner Seed	H43-27R2X	RR2X	4.3	6-Oct	1.6	46	3	2.0	2805	72.9
Asgrow	AG43X8	RR2X	4.3	4-Oct	1.4	39	2	3.0	2411	72.2
Credenz	CZ 4308 LL	LL	4.3	1-Oct	1.6	36	3	3.0	2484	72.0
USG	7427XTS	RR2X/STS	4.2	29-Sep	1.2	38	4	3.0	2503	71.7
MorSoy	MS 4616 RXT	RR2X	4.6	30-Sep	1.4	40	2	2.7	3168	71.5
University of Missouri	S13-3851C	CONV	4.3	2-Oct	1.4	33	2	2.7	2668	71.2
NK Brand	S45-K5X	RR2X	4.5	2-Oct	1.1	29	3	3.0	2694	68.4
Asgrow	AG43X7	RR2X/STS	4.3	30-Sep	1.6	38	3	3.0	2786	67.1
Virginia Tech	V13-0116	RR	4.5	4-Oct	1.8	41	1	2.7	3149	66.1
Mid-Atlantic Seeds	MAS4417	RR2X/STS	4.4	3-Oct	1.5	41	2	2.0	2713	65.0
Asgrow	AG45X6	RR2X/STS	4.5	3-Oct	1.1	33	2	2.3	2733	64.9
Dyna-Gro	S46XS87	RR2X/STS	4.6	8-Oct	1.8	40	3	2.3	2819	64.2
Pioneer	P46A16R	RR	4.6	5-Oct	1.3	36	5	3.0	2635	64.1
Credenz	CZ 4181 RY	RR2Y	4.1	29-Sep	1.3	37	3	2.7	2468	63.8
USG	7458XT	RR2X	4.5	1-Oct	1.4	31	4	3.0	2558	62.5
Pioneer	P43A87X	RR2X	4.3	29-Sep	1.7	36	5	2.7	2930	62.3
Asgrow	AG46X6	RR2X	4.6	4-Oct	1.2	31	2	3.0	2465	62.3
Credenz	CZ 4222 LL	LL/STS	4.2	28-Sep	1.2	30	6	3.0	2872	61.5
Doebler's	RPM 42X8	RR2X	4.2	28-Sep	1.4	30	11	3.7	2981	61.3
University of Missouri	S14-9051R	RR	4.5	3-Oct	1.0	28	5	2.3	2955	59.6
Credenz	CZ 4105 LL	LL	4.1	27-Sep	1.0	32	5	2.7	2366	59.1
Doebler's	RPM 45R8	RR	4.5	1-Oct	1.2	29	6	3.0	2845	57.2
Dyna-Gro	S43XS27	RR2X/STS	4.3	3-Oct	1.4	34	4	3.0	3027	57.1
University of Missouri	S13-10590C	CONV	4.3	28-Sep	1.2	33	6	3.0	2640	56.6
T.A. Seeds	TS4569R2X	RR2X	4.5	2-Oct	1.0	31	4	3.0	2893	53.9
Credenz	CZ 4540 LL	LL	4.5	6-Oct	1.2	36	1	2.7	2998	48.8
Virginia Tech	V11-2187	CONV	4.5	2-Oct	1.1	29	1	3.0	2814	45.6
LSD P=.10					0.4	7	2	0.9	151	17.6
CV					20.9	14	51	23.4	4	19.2
Grand Mean				2-Oct	1.4	37	3	2.7	2731	67.1

Table 4f. Performance of Double-Crop Early Maturity Group IV Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Dyna-Gro	S46XS87	RR2X/STS	4.3		1.0	37	2	2.3	2651	63.9
Credenz	CZ 4548 LL	LL	4.5		1.0	32	2	2.7	3047	61.9
Axis	4617NRXS	RR2X	4.6		1.0	35	2	2.3	2693	61.5
USG	7458XT	RR2X	4.5		1.2	34	4	3.0	2815	61.4
FS HiSoy	HS43X70	RR2X/STS	4.4		1.2	42	1	2.0	2844	60.7
Progeny Ag Products	P4620RXS	RR2X/STS	4.6		1.3	37	3	3.0	3052	60.2
Dyna-Gro	S43XS27	RR2X/STS	4.3		1.0	33	3	2.3	3056	60.1
Pioneer	P46A16R	RR	4.6		1.0	34	5	2.7	2938	60.1
Doebler's	RPM 45R8	RR	4.5		1.0	32	2	3.0	2887	60.0
University of Missouri	S13-3851C	CONV	4.3		1.7	35	2	2.7	2873	59.5
T.A. Seeds	TS4569R2X	RR2X	4.5		1.0	36	3	2.3	2923	59.5
USG	7447XTS	RR2X/STS	4.5		1.0	33	6	3.0	2911	59.0
MorSoy	MS 4616 RXT	RR2X	4.6		1.3	37	2	2.7	3199	58.2
Hubner Seed	H43-27R2X	RR2X	4.3		1.2	37	3	2.3	2904	57.6
Asgrow	AG46X8	RR2X/STS	4.6		1.2	33	4	2.7	2826	57.0
Virginia Tech	V13-0116	RR	4.6		1.7	34	6	3.0	2945	56.4
Progeny Ag Products	P4516RXS	RR2X/STS	4.6		1.0	36	4	2.7	3119	56.3
Dyna-Gro	S43RY95	RR2Y	4.3		1.2	31	1	2.7	2798	56.1
Stine	38LE02	LL	3.8		1.0	30	8	3.3	2911	56.0
Asgrow	AG45X6	RR2X/STS	4.5		1.0	34	1	2.3	2810	55.4
Asgrow	AG46X6	RR2X	4.6		1.2	33	3	2.7	2834	55.0
University of Missouri	S14-9051R	RR	4.5		1.2	31	5	3.0	3045	54.4
Asgrow	AG43X8	RR2X	4.3		1.0	28	2	3.0	2763	53.3
Asgrow	AG43X7	RR2X/STS	4.3		1.5	31	7	3.0	2809	52.8
University of Missouri	S13-10590C	CONV	4.3		1.0	31	5	2.7	2918	52.0
Southern Harvest	SH 3814 LL	LL	3.8		1.0	32	3	3.0	2766	51.1
USG	74F24RS	RR2Y/STS	4.2		2.3	36	5	2.7	2704	49.5
Virginia Tech	V11-2187	CONV	4.5		1.0	30	3	2.7	3022	48.2
Credenz	CZ 4308 LL	LL	4.3		1.2	32	3	2.7	2813	47.2
LSD P=.10					0.6	5	3	0.7	185	7.0
CV					34.9	10	72	20.1	5	9.0
Grand Mean					1.2	34	3	2.7	2893	56.9

Table 4g. Performance of Double-Crop Early Maturity Group IV Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Credenz	CZ 4548 LL	LL	4.5		1.0	37	1	2.0	3121	56.3
Hubner Seed	H43-27R2X	RR2X	4.3		1.9	36	1	2.0	3007	55.6
Dyna-Gro	S43XS27	RR2X/STS	4.3		2.2	37	2	2.0	2897	55.3
T.A. Seeds	TS4569R2X	RR2X	4.5		1.5	34	1	2.0	2759	55.2
Doebler's	RPM 45R8	RR	4.5		1.5	33	1	2.0	2979	54.6
USG	7458XT	RR2X	4.5		1.5	34	1	2.0	2833	54.4
Asgrow	AG46X8	RR2X/STS	4.6		2.0	43	2	2.0	2779	54.3
Pioneer	P46A16R	RR	4.6		1.3	39	4	2.0	2797	54.1
Asgrow	AG45X6	RR2X/STS	4.5		1.8	34	2	2.0	2886	53.7
Credenz	CZ 4308 LL	LL	4.3		2.2	36	1	2.0	2682	53.0
University of Missouri	S14-9051R	RR	4.5		1.5	33	7	2.0	3111	52.9
Axis	4617NRXS	RR2X	4.6		2.5	41	2	2.0	2683	52.9
Progeny Ag Products	P4516RXS	RR2X/STS	4.6		3.3	39	2	2.0	3046	51.5
Asgrow	AG46X6	RR2X	4.6		1.7	38	2	2.0	2417	51.4
University of Missouri	S13-3851C	CONV	4.3		1.5	33	1	2.0	3019	51.2
Dyna-Gro	S46XS87	RR2X/STS	4.3		1.7	42	2	2.0	2607	51.2
Asgrow	AG43X8	RR2X	4.3		1.0	38	2	2.0	2605	50.6
Virginia Tech	V11-2187	CONV	4.5		1.3	37	3	2.0	3008	50.6
Progeny Ag Products	P4620RXS	RR2X/STS	4.6		2.7	39	0	2.0	3348	50.6
Southern Harvest	SH 3814 LL	LL	3.8		1.5	32	1	2.0	2591	50.1
University of Missouri	S13-10590C	CONV	4.3		2.0	33	2	2.0	2847	49.7
Dyna-Gro	S43RY95	RR2Y	4.3		2.0	37	0	2.0	2836	49.7
USG	7447XTS	RR2X/STS	4.5		1.7	35	2	2.0	3178	48.7
USG	74F24RS	RR2Y/STS	4.2		3.7	41	2	2.0	2843	48.5
MorSoy	MS 4616 RXT	RR2X	4.6		3.8	39	2	2.0	3101	47.8
Stine	38LE02	LL	3.8		1.5	35	1	2.0	2577	46.9
FS HiSoy	HS43X70	RR2X/STS	4.4		3.2	48	2	2.0	3096	46.9
Asgrow	AG43X7	RR2X/STS	4.3		2.7	38	4	2.0	2803	43.4
Virginia Tech	V13-0116	RR	4.6		1.7	41	2	2.0	3363	43.0
LSD P=.10					0.9	3	2	.	210	8.2
CV					34.4	6	84	0.0	5	11.6
Grand Mean					2.0	37	2	2.0	2894	51.4

Table 4h. Performance of Double-Crop Early Maturity Group IV Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Dyna-Gro	S46XS87	RR2X/STS	4.3		1.7	42	6	3.0	2461	76.4
Pioneer	P46A16R	RR	4.6		1.3	38	14	3.0	2479	74.6
Axis	4617NRXS	RR2X	4.6		2.8	41	10	3.0	2392	73.0
Asgrow	AG45X6	RR2X/STS	4.5		1.2	35	4	3.0	2529	71.4
Hubner Seed	H43-27R2X	RR2X	4.3		1.7	38	7	3.0	2558	71.2
Dyna-Gro	S43XS27	RR2X/STS	4.3		3.0	37	9	3.0	2677	70.8
FS HiSoy	HS43X70	RR2X/STS	4.4		4.0	45	5	3.0	2531	70.7
USG	7447XTS	RR2X/STS	4.5		3.2	38	13	3.0	2576	70.6
Asgrow	AG43X7	RR2X/STS	4.3		3.0	42	13	3.0	2603	69.7
Asgrow	AG43X8	RR2X	4.3		1.7	39	9	3.0	2248	68.8
USG	74F24RS	RR2Y/STS	4.2		2.3	39	9	3.0	2500	68.6
T.A. Seeds	TS4569R2X	RR2X	4.5		1.3	37	6	3.0	2640	68.6
Progeny Ag Products	P4516RXS	RR2X/STS	4.6		3.2	42	4	3.0	2752	68.5
MorSoy	MS 4616 RXT	RR2X	4.6		3.7	42	6	3.0	2797	68.0
Asgrow	AG46X6	RR2X	4.6		2.5	39	8	3.0	2107	67.6
Asgrow	AG46X8	RR2X/STS	4.6		2.7	41	10	3.0	2610	67.5
Southern Harvest	SH 3814 LL	LL	3.8		1.0	33	3	3.0	2477	66.7
Credenz	CZ 4548 LL	LL	4.5		2.5	34	4	3.0	2904	66.5
Credenz	CZ 4308 LL	LL	4.3		3.7	38	5	3.0	2505	66.3
USG	7458XT	RR2X	4.5		1.7	34	9	3.0	2468	65.8
Stine	38LE02	LL	3.8		1.2	33	2	3.0	2407	64.6
University of Missouri	S13-3851C	CONV	4.3		3.5	34	16	3.0	2532	64.5
Progeny Ag Products	P4620RXS	RR2X/STS	4.6		3.8	39	5	3.3	2953	64.5
Doebler's	RPM 45R8	RR	4.5		1.7	35	5	3.0	2900	62.7
Virginia Tech	V11-2187	CONV	4.5		1.2	36	5	3.0	2648	59.1
Dyna-Gro	S43RY95	RR2Y	4.3		4.3	38	3	3.7	2826	58.6
University of Missouri	S14-9051R	RR	4.5		2.2	29	10	3.0	2804	58.1
Virginia Tech	V13-0116	RR	4.6		3.5	40	15	3.0	2786	56.9
University of Missouri	S13-10590C	CONV	4.3		1.5	35	2	3.0	2635	52.6
LSD P=.10					0.8	3	5	0.2	111	6.1
CV					25.0	5	50	5.1	3	6.7
Grand Mean					2.4	38	8	3.0	2599	66.8

Table 4i. Performance of Double-Crop Early Maturity Group IV Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
USG	74F24RS	RR2Y/STS	4.2	10-Oct	2.3	45	3	3.0	2631	81.3
Southern Harvest	SH 3814 LL	LL	3.8	3-Oct	1.3	38	2	3.0	2596	80.2
Credenz	CZ 4548 LL	LL	4.5	5-Oct	1.5	38	1	3.0	3283	77.5
Asgrow	AG46X8	RR2X/STS	4.6	14-Oct	2.2	47	1	2.3	2829	75.6
Stine	38LE02	LL	3.8	5-Oct	1.6	38	3	3.0	2502	73.9
Hubner Seed	H43-27R2X	RR2X	4.3	13-Oct	2.5	44	3	3.0	2962	72.9
Dyna-Gro	S43XS27	RR2X/STS	4.3	9-Oct	2.0	42	2	3.0	3139	72.2
Doebler's	RPM 45R8	RR	4.5	7-Oct	1.5	40	1	2.7	3222	72.2
Pioneer	P46A16R	RR	4.6	9-Oct	2.0	44	1	2.7	2936	72.1
Asgrow	AG43X8	RR2X	4.3	8-Oct	1.6	43	2	3.0	2709	72.0
Dyna-Gro	S43RY95	RR2Y	4.3	7-Oct	2.2	42	2	3.0	3097	72.0
Progeny Ag Products	P4516RXS	RR2X/STS	4.6	11-Oct	2.8	46	1	3.0	3254	70.9
Asgrow	AG45X6	RR2X/STS	4.5	8-Oct	1.6	40	3	3.0	3000	70.5
Asgrow	AG46X6	RR2X	4.6	11-Oct	2.6	43	4	3.0	2668	70.4
Axis	4617NRXS	RR2X	4.6	13-Oct	2.7	47	5	3.0	2816	70.3
Credenz	CZ 4308 LL	LL	4.3	6-Oct	1.9	40	2	3.0	2811	69.3
Asgrow	AG43X7	RR2X/STS	4.3	7-Oct	2.8	46	3	3.0	3051	68.9
FS HiSoy	HS43X70	RR2X/STS	4.4	10-Oct	2.9	46	4	3.0	2987	67.3
Virginia Tech	V11-2187	CONV	4.5	7-Oct	1.4	42	1	2.3	3185	67.2
Progeny Ag Products	P4620RXS	RR2X/STS	4.6	8-Oct	2.4	45	3	3.0	3380	66.5
USG	7447XTS	RR2X/STS	4.5	9-Oct	2.3	41	2	3.0	3089	65.8
USG	7458XT	RR2X	4.5	6-Oct	2.2	38	3	3.0	2814	65.5
University of Missouri	S13-3851C	CONV	4.3	7-Oct	2.7	40	1	3.0	2931	65.0
T.A. Seeds	TS4569R2X	RR2X	4.5	8-Oct	1.6	40	1	2.3	3081	65.0
University of Missouri	S13-10590C	CONV	4.3	7-Oct	1.8	41	4	3.0	2995	64.6
Dyna-Gro	S46XS87	RR2X/STS	4.3	14-Oct	2.4	46	2	2.7	2904	64.6
MorSoy	MS 4616 RXT	RR2X	4.6	8-Oct	2.7	45	1	3.0	3472	62.7
University of Missouri	S14-9051R	RR	4.5	8-Oct	1.7	38	6	3.0	3292	62.3
Virginia Tech	V13-0116	RR	4.6	10-Oct	2.2	46	1	2.7	3424	54.8
LSD P=.10					0.5	3	2	0.4	145	7.8
CV					17.1	4	66	9.7	4	8.3
Grand Mean				9-Oct	2.1	43	2	2.9	3007	69.3

Table 5a. Performance of Full-Season Late Maturity Group IV Entries at Blackstone, VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Hubner Seed	H49-27R2X	RR2X	4.9		1.0	33	1	2.0	2377	70.0
Asgrow	AG48X7	RR2X/STS	4.8		1.0	32	2	2.0	2264	69.0
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8		1.0	31	1	3.0	2361	67.3
University of Missouri	S13-1805C	CONV	4.8		1.0	32	0	2.0	2709	66.8
Dyna-Gro	S48XS78	RR2X/STS	4.8		1.0	32	1	2.0	2345	66.5
NK Brand	S48-R2X	RR2X	4.8		1.0	27	1	2.0	2488	64.6
Dyna-Gro	S48XT56	RR2X	4.8		1.0	27	1	2.0	2037	62.9
Virginia Tech	V14-4140	CONV	4.9		1.0	27	1	2.0	3010	62.9
Channel	4916R2X	RR2X/STS	4.9		1.0	35	1	2.7	2331	62.7
Axis	4818NRXS	RR2X	4.8		1.0	35	1	2.0	2445	62.5
Hubner Seed	H47-16R2X	RR2X	4.7		1.0	27	0	2.3	2293	62.0
USG	7478XTS	RR2X/STS	4.7		1.0	29	2	2.0	2459	62.0
Stine	49LD02	LL	4.8		1.0	31	1	2.0	3210	61.9
USG	ELLIS	CONV	4.9		1.0	26	0	2.0	3206	61.9
USG	74K95RS	RR2Y/STS	4.9		1.0	30	2	2.0	2700	61.6
Asgrow	AG47X6	RR2X/STS	4.7		1.0	34	2	2.3	2252	61.5
Pioneer	P48T27X	RR2X	4.8		1.0	26	0	2.3	2525	61.2
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8		1.0	26	2	2.0	2211	60.2
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.0	29	2	2.3	2378	59.9
MO	MO4901DGT	RR	4.9		1.0	29	0	2.0	3071	59.8
USG	7487XTS	RR2X/STS	4.8		1.0	31	2	2.0	2421	59.6
MorSoy	MS 4846 RXT	RR2X	4.8		1.0	27	2	3.0	2852	59.6
Stine	48RI23	RR2Y	4.8		1.0	33	1	2.0	2656	59.2
Asgrow	AG48X8	RR2X/STS	4.8		1.0	31	1	2.0	2332	59.0
Southern Harvest	SH 4817 LL	LL	4.8		1.0	29	3	2.0	2548	58.7
Credenz	CZ 4818 LL	LL	4.8		1.0	30	0	2.0	2580	58.2
Asgrow	AG49X6	RR2Y	4.9		1.0	32	2	2.0	2410	58.2
Credenz	CZ 4938 LL	LL	4.9		1.0	32	0	2.0	3163	58.1
University of Arkansas	R13-1019	CONV	4.9		1.0	30	0	2.0	3277	57.2
USG	7496XTS	RR2X/STS	4.9		1.0	33	2	2.7	2452	56.1
USG	7479GT	RR	4.9		1.0	29	1	2.3	2277	54.9
Asgrow	AG4835	RR2Y/STS	4.8		1.0	30	1	2.0	2664	54.5
Credenz	CZ 4748 LL	LL	4.7		1.0	26	2	2.0	2405	52.5
Pioneer	P48T53	RR	4.8		1.0	26	1	2.0	2483	51.4
Doebler's	RPM 48R8	RR	4.8		1.0	24	3	2.0	2452	44.6
LSD P=.10					.	4	2	0.4	225	8.4
CV					0.0	9	101	12.0	6	10.2
Grand Mean					1.0	30	1	2.1	2579	60.3

Table 5b. Performance of Full-Season Late Maturity Group IV Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
USG	7478XTS	RR2X/STS	4.7		1.3	46	0	2.0	2656	83.9
USG	7496XTS	RR2X/STS	4.9		1.3	50	1	2.0	2551	80.9
Pioneer	P48T27X	RR2X	4.8		1.3	49	0	2.0	2698	80.1
Asgrow	AG47X6	RR2X/STS	4.7		1.0	54	1	2.0	2496	79.3
USG	ELLIS	CONV	4.9		2.0	43	0	2.0	3139	78.7
Axis	4818NRXS	RR2X	4.8		1.0	49	0	2.0	2502	76.9
Stine	48RI23	RR2Y	4.8		1.3	49	1	2.0	3020	76.6
Channel	4916R2X	RR2X/STS	4.9		1.0	52	0	2.0	2746	76.6
Hubner Seed	H49-27R2X	RR2X	4.9		1.0	55	0	2.0	2628	76.5
USG	74K95RS	RR2Y/STS	4.9		1.0	54	0	2.0	2944	74.4
Doebler's	RPM 48R8	RR	4.8		1.0	46	1	2.0	2745	73.4
USG	7487XTS	RR2X/STS	4.8		1.0	51	0	2.0	2503	72.7
NK Brand	S48-R2X	RR2X	4.8		1.7	50	0	2.0	2721	72.3
MorSoy	MS 4846 RXT	RR2X	4.8		1.0	44	0	2.0	2406	72.2
Hubner Seed	H47-16R2X	RR2X	4.7		1.5	46	1	2.0	2486	71.8
Pioneer	P48T53	RR	4.8		1.7	42	1	2.0	2826	71.3
Dyna-Gro	S48XS78	RR2X/STS	4.8		1.3	48	1	2.0	2753	71.2
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.0	50	1	2.0	2593	69.7
Asgrow	AG49X6	RR2Y	4.9		1.3	48	2	2.0	3075	68.9
Asgrow	AG48X8	RR2X/STS	4.8		2.0	50	0	2.0	2785	68.5
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8		1.7	45	0	2.0	2946	68.4
USG	7479GT	RR	4.9		2.0	44	0	2.3	2447	67.1
Stine	49LD02	LL	4.8		2.1	50	2	2.0	2751	66.7
Asgrow	AG4835	RR2Y/STS	4.8		1.3	46	1	2.0	3185	66.3
Asgrow	AG48X7	RR2X/STS	4.8		1.0	47	0	2.0	2653	66.2
Credenz	CZ 4938 LL	LL	4.9		2.3	53	2	2.0	2920	66.0
Southern Harvest	SH 4817 LL	LL	4.8		2.0	46	0	2.0	2842	65.4
Credenz	CZ 4748 LL	LL	4.7		2.0	54	0	2.0	2601	64.6
University of Arkansas	R13-1019	CONV	4.9		2.5	51	1	2.0	3276	59.7
MO	MO4901DGT	RR	4.9		2.3	43	0	2.0	3113	58.7
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8		2.7	41	0	2.0	2713	58.4
Dyna-Gro	S48XT56	RR2X	4.8		1.0	39	1	2.0	2495	58.3
Credenz	CZ 4818 LL	LL	4.8		2.0	53	0	2.0	3035	56.0
University of Missouri	S13-1805C	CONV	4.8		3.7	45	0	2.0	2945	53.0
Virginia Tech	V14-4140	CONV	4.9		2.2	48	0	2.0	3237	52.2
LSD P=.10					0.9	6	1	0.1	222	11.4
CV					40.2	10	125	4.8	6	12.1
Grand Mean					1.6	48	1	2.0	2783	69.2

Table 5c. Performance of Full-Season Late Maturity Group IV Entries at Painter VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
USG	7487XTS	RR2X/STS	4.8		1.0	27	3	2.0	2625	64.4
USG	74K95RS	RR2Y/STS	4.9		1.0	28	7	2.0	2898	64.0
Hubner Seed	H49-27R2X	RR2X	4.9		1.0	26	2	2.0	2683	63.6
USG	ELLIS	CONV	4.9		1.0	24	2	2.0	3405	63.6
Stine	49LD02	LL	4.8		1.0	30	4	2.0	3036	62.6
University of Arkansas	R13-1019	CONV	4.9		1.0	26	1	2.0	3414	62.1
Southern Harvest	SH 4817 LL	LL	4.8		1.0	26	2	2.0	2662	61.9
Axis	4818NRXS	RR2X	4.8		1.0	28	4	2.0	2656	61.9
Stine	48RI23	RR2Y	4.8		1.0	28	0	2.0	2868	61.8
USG	7478XTS	RR2X/STS	4.7		1.0	25	1	2.0	2694	58.9
Dyna-Gro	S48XS78	RR2X/STS	4.8		1.0	26	4	2.0	2703	58.9
Channel	4916R2X	RR2X/STS	4.9		1.0	27	4	2.0	2609	58.7
Asgrow	AG4835	RR2Y/STS	4.8		1.0	25	1	2.0	2853	58.6
Asgrow	AG48X7	RR2X/STS	4.8		1.0	26	3	2.0	2604	58.6
Asgrow	AG49X6	RR2Y	4.9		1.0	25	2	2.0	2707	58.5
USG	7496XTS	RR2X/STS	4.9		1.0	27	3	2.0	2590	58.4
Credenz	CZ 4938 LL	LL	4.9		1.0	35	3	2.0	3093	58.2
MO	MO4901DGT	RR	4.9		1.0	28	0	2.0	3096	58.1
Credenz	CZ 4748 LL	LL	4.7		1.0	24	2	2.0	2698	57.8
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8		1.0	23	1	2.0	2715	57.8
Virginia Tech	V14-4140	CONV	4.9		1.0	25	4	2.0	2995	57.5
Hubner Seed	H47-16R2X	RR2X	4.7		1.0	25	1	2.0	2457	57.1
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.0	28	3	2.0	2763	57.0
USG	7479GT	RR	4.9		1.0	27	2	2.0	2307	56.7
Asgrow	AG47X6	RR2X/STS	4.7		1.0	28	2	2.0	2468	55.6
Pioneer	P48T27X	RR2X	4.8		1.0	26	0	2.0	2662	55.6
Asgrow	AG48X8	RR2X/STS	4.8		1.0	23	1	2.0	2551	55.5
MorSoy	MS 4846 RXT	RR2X	4.8		1.0	22	2	2.0	2315	54.7
University of Missouri	S13-1805C	CONV	4.8		1.0	22	2	2.0	2911	54.3
Credenz	CZ 4818 LL	LL	4.8		1.0	28	0	2.0	2841	52.9
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8		1.0	21	3	2.0	2441	52.9
Pioneer	P48T53	RR	4.8		1.0	21	2	2.0	2758	51.0
Doebler's	RPM 48R8	RR	4.8		1.0	24	3	2.0	2683	49.6
NK Brand	S48-R2X	RR2X	4.8		1.0	22	2	2.0	2876	49.6
Dyna-Gro	S48XT56	RR2X	4.8		1.0	23	2	2.0	2305	47.5
LSD P=.10						3	2		123	7.7
CV					0.0	9	66	0.0	3	9.8
Grand Mean					1.0	26	2	2.0	2749	57.7

Table 5d. Performance of Full-Season Late Maturity Group IV Entries at Suffolk VA, 2017

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	ELLIS	CONV	4.9	10-Oct	1.2	30	4	3.0	3068	67.0
Asgrow	AG48X8	RR2X/STS	4.8	5-Oct	2.7	44	5	4.0	2639	65.9
University of Arkansas	R13-1019	CONV	4.9	7-Oct	2.2	36	3	3.0	2968	65.7
NK Brand	S48-R2X	RR2X	4.8	5-Oct	2.3	47	3	3.0	2949	65.2
MorSoy	MS 4846 RXT	RR2X	4.8	7-Oct	2.2	43	4	3.0	2489	64.2
Doebler's	RPM 48R8	RR	4.8	7-Oct	2.3	45	5	3.3	2809	63.1
Stine	48RI23	RR2Y	4.8	23-Sep	2.8	47	3	3.0	3292	63.1
Dyna-Gro	S49XS76	RR2X/STS	4.9	6-Oct	2.7	42	3	3.0	2790	63.0
Asgrow	AG49X6	RR2Y	4.9	4-Oct	2.3	46	3	3.0	3032	62.2
Channel	4916R2X	RR2X/STS	4.9	6-Oct	2.3	47	5	3.0	2804	62.0
USG	7496XTS	RR2X/STS	4.9	7-Oct	2.2	47	4	3.0	2763	61.6
Virginia Tech	V14-4140	CONV	4.9	12-Oct	1.5	42	3	3.0	2829	61.6
Dyna-Gro	S48XT56	RR2X	4.8	7-Oct	2.2	40	6	3.0	2599	60.8
Asgrow	AG47X6	RR2X/STS	4.7	6-Oct	2.2	51	4	4.0	2758	60.4
Pioneer	P48T53	RR	4.8	5-Oct	3.8	43	4	4.0	3007	59.9
USG	7487XTS	RR2X/STS	4.8	3-Oct	2.3	51	3	3.0	2763	59.7
University of Missouri	S13-1805C	CONV	4.8	10-Oct	3.0	36	5	4.0	2661	59.1
Stine	49LD02	LL	4.8	17-Oct	2.4	49	8	4.0	2720	58.6
Asgrow	AG4835	RR2Y/STS	4.8	4-Oct	2.5	49	5	3.3	3207	57.6
Asgrow	AG48X7	RR2X/STS	4.8	3-Oct	3.0	49	4	3.7	2741	57.4
Hubner Seed	H49-27R2X	RR2X	4.9	4-Oct	2.3	53	2	3.0	2832	57.3
Pioneer	P48T27X	RR2X	4.8	4-Oct	3.5	43	10	4.0	3035	57.1
Axis	4818NRXS	RR2X	4.8	4-Oct	2.8	52	3	3.7	2883	56.6
Southern Harvest	SH 4817 LL	LL	4.8	3-Oct	2.5	47	9	4.0	2815	55.9
Credenz	CZ 4938 LL	LL	4.9	13-Oct	3.3	52	2	3.0	2851	55.4
MO	MO4901DGT	RR	4.9	6-Oct	1.3	34	4	3.0	3110	55.2
USG	74K95RS	RR2Y/STS	4.9	4-Oct	3.5	49	3	3.0	3110	55.0
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8	3-Oct	2.3	40	6	4.0	2763	54.7
Credenz	CZ 4818 LL	LL	4.8	6-Oct	3.7	49	3	3.7	2665	53.8
Credenz	CZ 4748 LL	LL	4.7	3-Oct	3.2	44	6	4.0	2856	53.7
Dyna-Gro	S48XS78	RR2X/STS	4.8	3-Oct	3.0	45	4	3.0	3070	53.7
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8	3-Oct	2.8	46	5	3.0	3259	53.6
USG	7478XTS	RR2X/STS	4.7	3-Oct	2.8	44	7	4.0	3103	51.8
Hubner Seed	H47-16R2X	RR2X	4.7	3-Oct	3.0	43	4	4.0	2909	50.2
USG	7479GT	RR	4.9	6-Oct	3.8	48	4	3.0	2780	48.7
LSD P=.10					0.7	4	2	0.3	191	6.7
CV					20.6	6	27	6.4	5	8.4
Grand Mean				5-Oct	2.6	45	5	3.4	2879	58.6

Table 5e. Performance of Full-Season Late Maturity Group IV Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed		Yield (Bu/A)
								Quality (1-5)	Seed Size (Seed/lb)	
Dyna-Gro	S48XS78	RR2X/STS	4.8	4-Oct	1.1	36	0	2.0	2835	74.8
Doebler's	RPM 48R8	RR	4.8	6-Oct	1.3	38	4	2.0	2593	73.6
Southern Harvest	SH 4817 LL	LL	4.8	2-Oct	1.1	34	3	2.0	2747	69.3
University of Missouri	S13-1805C	CONV	4.8	10-Oct	1.9	38	0	2.0	2988	67.9
USG	7496XTS	RR2X/STS	4.9	6-Oct	1.2	37	1	2.0	2886	67.6
Channel	4916R2X	RR2X/STS	4.9	6-Oct	1.2	37	4	2.0	2865	66.9
Asgrow	AG4835	RR2Y/STS	4.8	6-Oct	1.3	35	0	2.0	3118	66.8
Credenz	CZ 4748 LL	LL	4.7	4-Oct	1.2	34	6	2.3	2650	66.7
USG	7487XTS	RR2X/STS	4.8	8-Oct	1.6	42	2	2.0	2848	66.4
Asgrow	AG48X7	RR2X/STS	4.8	6-Oct	1.4	41	0	2.0	2832	64.9
USG	7478XTS	RR2X/STS	4.7	4-Oct	1.1	34	1	2.0	2881	64.8
Dyna-Gro	S48XT56	RR2X	4.8	6-Oct	1.2	35	1	3.0	2437	64.0
Asgrow	AG48X8	RR2X/STS	4.8	4-Oct	1.4	38	1	2.0	2808	63.8
Asgrow	AG47X6	RR2X/STS	4.7	2-Oct	1.2	39	1	3.0	2657	63.6
NK Brand	S48-R2X	RR2X	4.8	3-Oct	1.2	37	2	2.0	2978	62.8
USG	7479GT	RR	4.9	5-Oct	1.1	33	1	3.0	2562	62.8
Stine	48RI23	RR2Y	4.8	6-Oct	1.2	36	0	2.0	3062	62.6
Pioneer	P48T27X	RR2X	4.8	3-Oct	1.2	33	0	2.0	2780	61.6
Pioneer	P48T53	RR	4.8	3-Oct	1.3	33	2	2.0	2981	61.5
Stine	49LD02	LL	4.8	12-Oct	1.2	34	2	2.0	3352	60.8
Axis	4818NRXS	RR2X	4.8	7-Oct	1.5	41	1	2.0	2828	60.5
Hubner Seed	H47-16R2X	RR2X	4.7	5-Oct	1.1	36	1	2.0	2580	59.8
USG	ELLIS	CONV	4.9	8-Oct	1.3	31	0	2.0	3805	59.8
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8	3-Oct	1.2	30	1	2.7	2603	59.2
Asgrow	AG49X6	RR2Y	4.9	6-Oct	1.2	33	2	2.0	2912	58.7
Credenz	CZ 4818 LL	LL	4.8	3-Oct	1.4	40	0	2.0	2985	56.7
USG	74K95RS	RR2Y/STS	4.9	7-Oct	1.3	35	2	2.3	3014	56.3
University of Arkansas	R13-1019	CONV	4.9	8-Oct	1.2	30	0	2.0	3614	55.1
Mid-Atlantic Seeds	MAS4811	RR2X/STS	4.8	3-Oct	1.1	32	3	2.3	2887	53.9
Hubner Seed	H49-27R2X	RR2X	4.9	6-Oct	1.2	37	0	2.0	2925	53.8
MorSoy	MS 4846 RXT	RR2X	4.8	6-Oct	1.2	29	2	3.0	2464	53.0
Virginia Tech	V14-4140	CONV	4.9	8-Oct	1.3	31	0	2.0	3381	51.8
Credenz	CZ 4938 LL	LL	4.9	13-Oct	1.2	34	2	2.0	3213	51.3
MO	MO4901DGT	RR	4.9	5-Oct	1.4	33	0	2.0	3549	51.2
Dyna-Gro	S49XS76	RR2X/STS	4.9	7-Oct	1.2	32	2	2.0	2699	50.5
LSD P=.10					0.2	6	1	0.3	132	14.7
CV					11.3	12	77	9.0	3	17.6
Grand Mean				6-Oct	1.3	35	1	2.2	2935	61.3

Table 5f. Performance of Double-Crop Late Maturity Group IV Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
FS HiSoy	HS48X70	RR2X/STS	4.8		1.0	34	1	2.0	2816	65.0
Stine	48RI23	RR2Y	4.8		1.0	38	3	2.3	3001	64.2
Southern Harvest	SH 4817 LL	LL	4.8		1.2	31	4	2.3	2654	63.5
Axis	4818NRXS	RR2X	4.8		1.0	38	1	2.3	2556	61.8
USG	7496XTS	RR2X/STS	4.9		1.0	35	2	2.7	2867	60.7
USG	74K95RS	RR2X/STS	4.9		1.2	39	3	2.7	2709	60.5
Hubner Seed	H47-16R2X	RR2X	4.7		1.0	33	3	2.7	2699	59.0
Credenz	CZ 4918 LL	LL	4.9		1.2	31	7	3.3	2758	58.1
Asgrow	AG49X6	RR2Y	4.9		1.0	37	2	2.3	2627	58.0
Dyna-Gro	S48XS78	RR2X/STS	4.8		1.0	33	1	2.3	2786	57.9
Hubner Seed	H49-27R2X	RR2X	4.9		1.2	38	1	2.7	2635	57.8
Asgrow	AG48X7	RR2X/STS	4.8		1.2	35	2	2.7	2714	57.0
Doebler's	RPM 48R8	RR	4.8		1.0	34	4	2.3	2841	57.0
Progeny Ag Products	P4929RXS	RR2X/STS	4.9		1.2	37	3	2.7	2949	57.0
Stine	49LD02	LL	4.8		1.1	36	3	2.7	2925	56.7
Asgrow	AG48X8	RR2X/STS	4.8		1.2	36	4	2.7	2625	56.6
USG	7478XTS	RR2X/STS	4.7		1.2	35	1	2.3	2786	56.4
MorSoy	MS 4846 RXT	RR2X	4.8		1.0	31	5	3.0	2574	56.2
Progeny Ag Products	P4816RX	RR2X	4.8		1.0	33	5	3.0	2539	56.0
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8		1.2	29	5	3.0	2776	55.9
Progeny Ag Products	P4799RXS	RR2X/STS	4.7		1.2	37	3	2.7	2759	55.6
Asgrow	AG47X6	RR2X/STS	4.7		1.2	35	4	2.7	2691	55.5
Progeny Ag Products	P4851RX	RR2X	4.8		2.0	34	4	2.3	2719	55.5
Progeny Ag Products	P4757RY	RR2Y	4.7		1.7	33	6	3.0	2563	54.8
Channel	4916R2X	RR2X/STS	4.9		1.3	35	2	2.3	2871	54.4
Pioneer	P48T53	RR	4.8		1.0	34	1	2.7	2939	53.8
Asgrow	AG4835	RR2Y/STS	4.8		1.2	39	2	2.0	2925	53.5
Progeny Ag Products	P4996RXS	RR2X/STS	4.9		1.0	38	2	2.7	2554	52.7
Virginia Tech	V14-4140	CONV	4.9		1.5	33	1	2.0	3083	52.0
Pioneer	P48T27X	RR2X	4.8		1.3	33	5	2.7	2880	51.4
MO	MO4901DGT	RR	4.9		1.3	30	2	2.7	2975	50.9
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.2	37	2	2.0	2821	48.8
USG	7487XTS	RR2X/STS	4.8		1.2	35	3	2.7	2672	48.4
University of Missouri	S13-1805C	CONV	4.8		1.8	31	3	2.3	2702	48.3
USG	7479GT	RR	4.9		1.5	35	2	2.7	2677	45.7
LSD P=.10					0.6	4	3	0.7	159	9.0
CV					36.4	9	80	19.4	4	11.8
Grand Mean					1.2	35	3	2.6	2767	55.9

Table 5g. Performance of Double-Crop Late Maturity Group IV Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
USG	7487XTS	RR2X/STS	4.8		1.3	43	2	2.0	2814	58.8
Stine	48RI23	RR2Y	4.8		1.7	41	1	2.0	3326	55.3
USG	7478XTS	RR2X/STS	4.7		1.2	37	2	2.0	2938	55.0
FS HiSoy	HS48X70	RR2X/STS	4.8		1.3	34	3	2.0	3083	55.0
USG	74K95RS	RR2X/STS	4.9		1.7	43	2	2.0	2951	54.4
Southern Harvest	SH 4817 LL	LL	4.8		1.3	37	5	2.0	2790	54.1
Asgrow	AG48X7	RR2X/STS	4.8		1.7	39	3	2.0	2600	53.9
Hubner Seed	H49-27R2X	RR2X	4.9		2.0	43	1	2.0	2690	53.9
Doebler's	RPM 48R8	RR	4.8		1.5	38	3	2.0	2840	53.5
Asgrow	AG49X6	RR2Y	4.9		1.7	39	2	2.0	3111	52.9
Asgrow	AG47X6	RR2X/STS	4.7		1.8	43	1	2.0	2892	52.7
Hubner Seed	H47-16R2X	RR2X	4.7		1.3	37	1	2.0	2907	52.1
Asgrow	AG4835	RR2Y/STS	4.8		1.0	40	0	2.0	3251	52.0
USG	7496XTS	RR2X/STS	4.9		1.3	38	3	2.0	3186	51.8
Progeny Ag Products	P4757RY	RR2Y	4.7		1.8	40	3	2.0	2725	51.4
MorSoy	MS 4846 RXT	RR2X	4.8		1.0	31	3	2.0	2884	51.2
Dyna-Gro	S48XS78	RR2X/STS	4.8		1.2	37	2	2.0	2821	50.6
Progeny Ag Products	P4816RX	RR2X	4.8		1.2	36	1	2.0	2774	50.3
Dyna-Gro	S49XS76	RR2X/STS	4.9		1.5	43	4	2.0	3017	49.8
Progeny Ag Products	P4996RXS	RR2X/STS	4.9		1.0	43	3	2.0	2810	49.8
Pioneer	P48T53	RR	4.8		1.3	36	2	2.0	3178	49.2
Channel	4916R2X	RR2X/STS	4.9		1.5	40	3	2.0	3199	48.8
Credenz	CZ 4918 LL	LL	4.9		1.2	34	4	2.0	3175	48.0
Stine	49LD02	LL	4.8		1.1	40	0	2.0	3372	47.7
USG	7479GT	RR	4.9		4.0	37	2	2.0	2658	47.7
Axis	4818NRXS	RR2X	4.8		2.0	40	1	2.0	2636	47.5
Progeny Ag Products	P4929RXS	RR2X/STS	4.9		1.0	33	0	2.0	3254	47.2
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8		1.0	33	3	2.0	3113	46.4
Pioneer	P48T27X	RR2X	4.8		2.0	38	2	2.0	2984	46.3
Asgrow	AG48X8	RR2X/STS	4.8		1.2	40	3	2.0	2752	46.0
Progeny Ag Products	P4799RXS	RR2X/STS	4.7		1.2	41	2	2.0	2891	45.3
Progeny Ag Products	P4851RX	RR2X	4.8		3.2	38	3	2.0	2841	41.2
University of Missouri	S13-1805C	CONV	4.8		3.8	44	1	2.0	3096	39.8
MO	MO4901DGT	RR	4.9		4.2	46	2	2.0	3654	37.3
Virginia Tech	V14-4140	CONV	4.9		4.2	39	1	2.0	3770	32.3
LSD P=.10					0.8	3	2	.	215	7.8
CV					32.7	5	79	0.0	5	11.6
Grand Mean					1.7	39	2	2.0	3010	49.3

Table 5h. Performance of Double-Crop Late Maturity Group IV Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed		Yield (Bu/A)
								Quality (1-5)	Seed Size (Seed/lb)	
Channel	4916R2X	RR2X/STS	4.9		2.3	42	15	2.0	2447	74.7
Axis	4818NRXS	RR2X	4.8		1.8	46	3	2.0	2334	73.1
Dyna-Gro	S49XS76	RR2X/STS	4.9		2.3	43	10	2.0	2450	72.3
Stine	49LD02	LL	4.8		1.4	40	4	2.0	2644	71.9
Asgrow	AG49X6	RR2Y	4.9		2.8	41	9	2.0	2560	71.5
Progeny Ag Products	P4996RXS	RR2X/STS	4.9		2.7	46	5	3.0	2199	71.3
Hubner Seed	H49-27R2X	RR2X	4.9		1.8	45	4	2.0	2373	70.8
USG	7496XTS	RR2X/STS	4.9		1.8	44	8	2.0	2541	70.1
Asgrow	AG4835	RR2Y/STS	4.8		2.0	40	3	2.0	2906	69.7
Progeny Ag Products	P4816RX	RR2X	4.8		1.0	38	10	3.0	2283	69.7
Progeny Ag Products	P4929RXS	RR2X/STS	4.9		1.2	38	8	3.0	2703	69.4
Doebler's	RPM 48R8	RR	4.8		1.5	36	15	2.7	2535	69.3
MorSoy	MS 4846 RXT	RR2X	4.8		1.7	39	7	3.0	2179	69.3
Asgrow	AG48X7	RR2X/STS	4.8		1.7	44	8	2.0	2307	69.2
Southern Harvest	SH 4817 LL	LL	4.8		2.5	38	12	3.0	2554	69.2
Progeny Ag Products	P4851RX	RR2X	4.8		4.0	42	9	2.7	2402	69.1
USG	7487XTS	RR2X/STS	4.8		1.7	44	8	2.0	2328	68.9
USG	74K95RS	RR2X/STS	4.9		2.3	45	2	2.0	2542	68.3
Asgrow	AG47X6	RR2X/STS	4.7		1.5	44	6	3.0	2463	67.4
Progeny Ag Products	P4757RY	RR2Y	4.7		3.5	41	13	3.0	2500	67.4
Stine	48RI23	RR2Y	4.8		2.3	39	7	2.0	2869	67.4
Asgrow	AG48X8	RR2X/STS	4.8		3.2	45	9	2.5	2425	67.2
Hubner Seed	H47-16R2X	RR2X	4.7		3.2	41	7	3.0	2463	67.1
FS HiSoy	HS48X70	RR2X/STS	4.8		2.2	40	7	2.0	2705	65.9
Pioneer	P48T27X	RR2X	4.8		2.7	37	9	3.0	2460	65.6
Progeny Ag Products	P4799RXS	RR2X/STS	4.7		1.2	40	8	3.7	2434	64.1
Dyna-Gro	S48XS78	RR2X/STS	4.8		2.5	38	12	3.0	2715	64.0
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8		2.5	36	9	3.0	2574	63.2
Pioneer	P48T53	RR	4.8		3.3	39	10	3.0	2758	62.9
Credenz	CZ 4918 LL	LL	4.9		1.0	36	6	3.0	2760	62.3
University of Missouri	S13-1805C	CONV	4.8		4.3	38	3	2.0	2538	62.2
Virginia Tech	V14-4140	CONV	4.9		3.8	41	8	2.0	2864	62.1
USG	7479GT	RR	4.9		3.0	38	3	3.0	2438	61.8
USG	7478XTS	RR2X/STS	4.7		1.5	37	6	2.0	2647	61.6
MO	MO4901DGT	RR	4.9		3.8	38	5	3.0	3052	55.8
LSD P=.10					0.7	4	4	0.3	126	5.9
CV					22.2	7	37	10.0	4	6.4
Grand Mean					2.3	40	8	2.5	2544	67.6

Table 5i. Performance of Double-Crop Late Maturity Group IV Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
FS HiSoy	HS48X70	RR2X/STS	4.8	14-Oct	1.9	45	3	2.3	2880	80.7
Southern Harvest	SH 4817 LL	LL	4.8	13-Oct	2.6	48	1	2.0	2758	79.8
USG	7478XTS	RR2X/STS	4.7	14-Oct	1.8	43	1	2.0	2974	78.4
USG	7487XTS	RR2X/STS	4.8	17-Oct	2.3	49	2	2.0	2763	77.1
Dyna-Gro	S48XS78	RR2X/STS	4.8	14-Oct	1.9	43	1	2.0	2982	77.0
Doebler's	RPM 48R8	RR	4.8	13-Oct	1.9	45	3	2.3	3003	76.9
USG	74K95RS	RR2X/STS	4.9	17-Oct	2.7	50	3	2.0	3003	76.4
Hubner Seed	H49-27R2X	RR2X	4.9	15-Oct	2.2	50	4	2.0	2802	76.2
Asgrow	AG47X6	RR2X/STS	4.7	13-Oct	1.8	48	1	2.3	2677	76.1
Asgrow	AG49X6	RR2Y	4.9	14-Oct	2.1	47	4	2.7	3180	74.9
Progeny Ag Products	P4799RXS	RR2X/STS	4.7	13-Oct	1.7	47	1	2.0	2850	74.4
Pioneer	P48T53	RR	4.8	11-Oct	1.7	43	3	2.7	2859	74.4
Channel	4916R2X	RR2X/STS	4.9	16-Oct	2.3	47	4	2.7	3066	74.1
Axis	4818NRXS	RR2X	4.8	16-Oct	2.5	48	2	2.0	2761	73.7
USG	7496XTS	RR2X/STS	4.9	15-Oct	1.9	46	4	2.7	2973	73.6
MorSoy	MS 4846 RXT	RR2X	4.8	14-Oct	1.7	39	4	3.0	2614	73.2
Asgrow	AG48X7	RR2X/STS	4.8	17-Oct	2.5	49	1	2.0	2782	72.9
Asgrow	AG4835	RR2Y/STS	4.8	15-Oct	2.3	45	2	2.0	3247	72.8
Progeny Ag Products	P4851RX	RR2X	4.8	14-Oct	3.2	43	5	3.0	2711	72.7
Dyna-Gro	S49XS76	RR2X/STS	4.9	15-Oct	2.3	47	4	2.7	2977	72.5
T.A. Seeds	TS4889R2XS	RR2X/STS	4.8	12-Oct	2.1	40	1	2.3	2763	71.7
Progeny Ag Products	P4757RY	RR2Y	4.7	13-Oct	2.6	46	1	2.0	2901	71.4
Progeny Ag Products	P4816RX	RR2X	4.8	13-Oct	1.6	42	4	2.7	2651	70.9
Credenz	CZ 4918 LL	LL	4.9	7-Oct	1.5	38	3	2.7	3031	70.3
Progeny Ag Products	P4929RXS	RR2X/STS	4.9	13-Oct	1.8	41	1	2.3	3055	69.2
Asgrow	AG48X8	RR2X/STS	4.8	15-Oct	3.1	49	1	2.0	2962	68.9
Stine	49LD02	LL	4.8	18-Oct	1.9	45	6	3.0	3354	68.6
Progeny Ag Products	P4996RXS	RR2X/STS	4.9	15-Oct	2.7	50	5	3.0	2618	68.2
Stine	48RI23	RR2Y	4.8	14-Oct	2.3	45	2	2.0	3260	67.5
Hubner Seed	H47-16R2X	RR2X	4.7	13-Oct	1.8	43	0	2.0	2913	66.5
USG	7479GT	RR	4.9	14-Oct	3.0	46	4	2.7	2636	65.1
Pioneer	P48T27X	RR2X	4.8	12-Oct	2.7	47	0	2.0	2988	64.3
MO	MO4901DGT	RR	4.9	14-Oct	3.7	48	3	2.0	3810	55.9
University of Missouri	S13-1805C	CONV	4.8	18-Oct	3.9	43	2	2.3	3342	55.0
Virginia Tech	V14-4140	CONV	4.9	15-Oct	3.7	42	4	3.0	3570	52.1
LSD P=.10					0.5	3	3	0.5	210	6.9
CV					15.4	4	70	15.3	5	7.1
Grand Mean				14-Oct	2.3	45	3	2.4	2974	71.2

Table 6a. Performance of Full-Season Early Maturity Group V Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Credenz	CZ 5150 LL	LL	5.1		1.0	35	1	2.0	2962	77.2
FS HiSoy	HS52T60	RR2Y/STS	5.2		1.0	34	2	2.0	2302	76.5
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.0	36	0	2.0	2358	72.4
Southern Harvest	SH 5215 LL	LL	5.2		1.0	35	0	2.0	3035	72.2
Southern Harvest	SH 5215 LL	LL	5.2		1.0	38	0	2.0	3008	71.4
Asgrow	AG5233	RR2Y	5.2		1.0	32	0	2.0	2775	71.2
Asgrow	AG5335	RR2Y/STS	5.3		1.0	32	3	2.0	2495	70.8
Stine	51LI32	LL	5.1		1.0	37	1	2.0	3035	70.7
Virginia Tech	V12-0045R2	RR2Y	5.3		1.0	32	2	2.0	2453	69.7
Credenz	CZ 5147 LL	LL	5.1		1.0	30	0	2.0	3060	69.2
Pioneer	P52A26R	RR	5.2		1.0	34	0	2.0	2402	68.9
Credenz	CZ 5242 LL	LL	5.2		1.0	40	0	2.0	3064	68.7
Stine	54LE23	LL	5.4		1.0	40	0	2.0	2990	68.2
Public	Glenn	CONV	5.4		1.0	29	1	2.0	2853	67.1
Doebler's	RPM 50X8	RR2X	5.0		1.0	31	1	2.7	2314	65.7
Credenz	CZ 4918 LL	LL	4.9		1.0	29	1	2.0	2567	65.6
Virginia Tech	V11-3485	RR	5.3		1.0	31	0	2.0	2797	65.5
University of Arkansas	R09-430	CONV	5.1		1.0	29	1	2.0	2781	65.3
Stine	52LI20	LL	5.2		1.0	37	2	2.0	2754	65.3
Axis	5016NRXS	RR2X	5.0		1.0	36	1	2.7	2442	64.7
Pioneer	P53T18X	RR2X	5.3		1.0	34	0	2.0	2527	64.5
Virginia Tech	V13-3833	CONV	5.2		1.0	28	1	3.0	2726	64.3
Asgrow	AG53X6	RR2X	5.3		1.0	33	1	2.0	2394	63.9
Stine	51RH20	RR2Y	5.1		1.0	35	1	2.0	2468	63.3
Armor	53-004	RR2X	5.3		1.0	32	1	2.0	2697	63.0
University of Arkansas	UA 5414RR	RR	5.4		1.0	33	1	2.0	3020	62.3
Credenz	CZ 5147 LL	LL	5.1		1.0	30	0	2.0	2924	61.9
University of Arkansas	UA 5014C	CONV	5.0		1.0	32	0	2.3	2666	61.8
NK Brand	S52-Y7X	RR2X	5.2		1.0	30	1	2.0	2633	60.8
Virginia Tech	V12-3446	CONV	5.1		1.0	30	1	2.0	3311	59.3
Armor	ARX5607	RR2X	5.6		1.0	32	1	2.0	2857	59.0
Credenz	CZ 5375 RY	RR2Y	5.3		1.0	31	1	2.0	2898	55.9
Credenz	CZ 4548 LL	LL	4.5		1.0	30	0	2.0	2826	55.0
LSD P=.10						4	1	0.2	125	7.6
CV					0.0	8	121	8.5	3	8.5
Grand Mean					1.0	33	1	2.1	2739	66.1

Table 6b. Performance of Full-Season Early Maturity Group V Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed		Yield (Bu/A)
								Quality (1-5)	Seed Size (Seed/lb)	
Axis	5016NRXS	RR2X	5.0		1.0	46	3	2.0	2491	83.3
Stine	51RH20	RR2Y	5.1		1.2	51	1	2.0	2482	81.6
Asgrow	AG53X6	RR2X	5.3		1.0	51	2	2.0	2477	70.0
Armor	53-004	RR2X	5.3		1.0	46	0	2.0	2784	69.9
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.2	52	0	2.0	2455	69.5
Doebler's	RPM 50X8	RR2X	5.0		1.0	48	1	2.0	2775	69.3
Stine	51LI32	LL	5.1		1.0	53	3	2.0	2926	68.6
Asgrow	AG5335	RR2Y/STS	5.3		1.0	48	0	2.0	2597	67.1
Credenz	CZ 5150 LL	LL	5.1		1.2	53	1	2.0	2959	65.6
Southern Harvest	SH 5215 LL	LL	5.2		1.0	47	2	2.0	2669	65.2
Stine	52LI20	LL	5.2		1.3	50	1	2.0	2575	65.0
Credenz	CZ 4918 LL	LL	4.9		1.2	41	1	2.0	2915	64.5
Credenz	CZ 4548 LL	LL	4.5		1.0	39	0	2.0	2917	61.9
Credenz	CZ 5375 RY	RR2Y	5.3		1.3	44	4	2.0	2860	61.7
Virginia Tech	V13-3833	CONV	5.2		1.0	42	0	2.0	3183	60.5
Pioneer	P52A26R	RR	5.2		1.0	54	0	2.0	2680	59.5
Pioneer	P53T18X	RR2X	5.3		1.8	48	0	2.0	2797	58.6
Armor	ARX5607	RR2X	5.6		1.0	48	1	2.0	3054	58.6
Asgrow	AG5233	RR2Y	5.2		1.2	42	1	2.0	3311	57.7
Public	Glenn	CONV	5.4		2.5	41	0	2.0	2889	57.3
NK Brand	S52-Y7X	RR2X	5.2		1.0	43	0	2.0	2970	57.2
FS HiSoy	HS52T60	RR2Y/STS	5.2		1.0	44	1	2.0	2554	56.3
Virginia Tech	V12-0045R2	RR2Y	5.3		1.0	42	3	2.0	2602	56.3
University of Arkansas	R09-430	CONV	5.1		1.3	41	0	2.0	2998	56.0
Virginia Tech	V12-3446	CONV	5.1		2.0	43	0	2.0	3406	55.5
Credenz	CZ 5147 LL	LL	5.1		1.0	43	0	2.0	3138	55.1
Southern Harvest	SH 5215 LL	LL	5.2		1.0	51	2	2.0	2868	53.5
Credenz	CZ 5242 LL	LL	5.2		1.5	52	2	2.0	3100	53.3
Virginia Tech	V11-3485	RR	5.3		2.5	46	0	2.0	3014	52.9
University of Arkansas	UA 5414RR	RR	5.4		1.8	40	2	2.0	3279	52.9
University of Arkansas	UA 5014C	CONV	5.0		1.0	43	0	2.0	2767	52.3
Stine	54LE23	LL	5.4		3.2	51	2	2.0	2948	50.6
Credenz	CZ 5147 LL	LL	5.1		1.0	43	0	2.0	3255	50.1
LSD P=.10					0.8	4	2		288	10.6
CV					45.5	7	106	0.0	7	12.7
Grand Mean					1.3	46	1	2.0	2870	61.1

Table 6c. Performance of Full-Season Early Maturity Group V Entries at Painter VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.8	34	4	2.0	2364	75.8
Armor	ARX5607	RR2X	5.6		1.2	30	1	3.0	2518	73.9
Asgrow	AG5335	RR2Y/STS	5.3		1.0	32	7	2.0	2553	70.4
Southern Harvest	SH 5215 LL	LL	5.2		1.0	33	2	2.0	2692	70.3
Stine	52LI20	LL	5.2		1.2	35	8	2.0	2579	69.0
Credenz	CZ 5147 LL	LL	5.1		1.0	26	2	2.0	2821	67.9
Southern Harvest	SH 5215 LL	LL	5.2		1.0	34	3	2.0	2736	67.5
Asgrow	AG53X6	RR2X	5.3		1.0	28	2	2.7	2357	67.0
Public	Glenn	CONV	5.4		1.0	21	1	3.0	2899	66.6
FS HiSoy	HS52T60	RR2Y/STS	5.2		1.5	33	4	2.0	2504	66.3
Virginia Tech	V12-0045R2	RR2Y	5.3		1.0	20	12	2.0	2514	65.8
Credenz	CZ 5375 RY	RR2Y	5.3		1.0	27	3	2.0	2631	65.6
Stine	51LI32	LL	5.1		1.0	33	2	2.0	2753	64.8
NK Brand	S52-Y7X	RR2X	5.2		1.0	29	6	2.7	2719	63.8
Credenz	CZ 5150 LL	LL	5.1		1.0	33	1	2.3	2746	63.4
Axis	5016NRXS	RR2X	5.0		1.0	29	7	2.3	2697	63.3
Virginia Tech	V11-3485	RR	5.3		1.3	25	5	2.0	2809	63.0
Pioneer	P53T18X	RR2X	5.3		1.0	28	2	2.0	2442	62.9
Stine	51RH20	RR2Y	5.1		1.0	31	2	2.3	2591	62.7
Stine	54LE23	LL	5.4		1.7	34	1	2.0	2626	62.5
Pioneer	P52A26R	RR	5.2		1.0	30	5	2.0	2692	62.2
Credenz	CZ 5147 LL	LL	5.1		1.0	26	1	2.0	2850	61.7
Armor	53-004	RR2X	5.3		1.0	22	6	2.0	2725	61.7
Doebler's	RPM 50X8	RR2X	5.0		2.7	33	2	2.0	2637	61.6
Credenz	CZ 5242 LL	LL	5.2		1.2	35	1	2.0	2789	58.1
Asgrow	AG5233	RR2Y	5.2		1.7	27	3	2.7	3001	57.9
Virginia Tech	V13-3833	CONV	5.2		1.0	20	3	2.0	3002	56.8
University of Arkansas	R09-430	CONV	5.1		1.0	22	4	3.0	2796	56.4
University of Arkansas	UA 5014C	CONV	5.0		1.0	22	3	3.0	2624	55.1
Credenz	CZ 4548 LL	LL	4.5		2.2	28	0	2.0	3014	55.0
Credenz	CZ 4918 LL	LL	4.9		1.3	26	2	2.7	2760	54.5
Virginia Tech	V12-3446	CONV	5.1		1.0	21	3	2.3	3315	51.0
University of Arkansas	UA 5414RR	RR	5.4		1.3	25	4	2.3	3175	50.9
LSD P=.10					0.6	4	2	0.4	115	7.1
CV					37.9	9	47	12.4	3	8.3
Grand Mean					1.2	28	3	2.3	2725	62.9

Table 6d. Performance of Full-Season Early Maturity Group V Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Virginia Tech	V13-3833	CONV	5.2	13-Oct	1.0	29	2	3.0	2704	75.5
Doebler's	RPM 50X8	RR2X	5.0	14-Oct	4.0	51	4	3.3	2603	73.7
Pioneer	P52A26R	RR	5.2	15-Oct	2.0	52	3	3.0	2526	70.3
Credenz	CZ 5147 LL	LL	5.1	14-Oct	1.2	35	3	3.0	2698	70.0
FS HiSoy	HS52T60	RR2Y/STS	5.2	19-Oct	3.0	57	4	3.0	2434	69.9
Credenz	CZ 5147 LL	LL	5.1	14-Oct	1.0	34	3	3.0	2677	69.3
Dyna-Gro	S52RS86	RR2Y/STS	5.2	18-Oct	3.2	57	3	3.3	2450	68.8
Axis	5016NRXS	RR2X	5.0	14-Oct	2.3	47	6	3.0	2689	67.3
Armor	53-004	RR2X	5.3	17-Oct	1.3	36	3	3.0	2641	66.4
Public	Glenn	CONV	5.4	15-Oct	1.3	32	3	3.0	2415	65.9
University of Arkansas	R09-430	CONV	5.1	17-Oct	2.0	36	6	4.0	2687	64.6
Credenz	CZ 5150 LL	LL	5.1	19-Oct	2.5	52	5	4.0	2658	64.5
Southern Harvest	SH 5215 LL	LL	5.2	19-Oct	1.7	53	8	3.0	2650	64.5
Virginia Tech	V12-0045R2	RR2Y	5.3	18-Oct	1.3	33	3	3.0	2449	64.4
Armor	ARX5607	RR2X	5.6	16-Oct	1.5	36	2	3.0	2496	64.2
Asgrow	AG53X6	RR2X	5.3	14-Oct	1.8	39	2	3.0	2313	63.1
Credenz	CZ 4548 LL	LL	4.5	13-Oct	4.0	50	3	4.0	3114	63.0
Pioneer	P53T18X	RR2X	5.3	14-Oct	1.8	38	3	3.0	2415	60.8
University of Arkansas	UA 5014C	CONV	5.0	14-Oct	1.2	31	3	3.7	2453	60.6
Stine	51RH20	RR2Y	5.1	13-Oct	2.7	51	2	3.0	2797	60.5
Asgrow	AG5335	RR2Y/STS	5.3	18-Oct	1.5	50	4	3.0	2699	59.8
Virginia Tech	V12-3446	CONV	5.1	14-Oct	1.2	28	4	3.0	2926	59.3
Credenz	CZ 4918 LL	LL	4.9	13-Oct	2.5	45	5	3.0	2904	59.3
Southern Harvest	SH 5215 LL	LL	5.2	20-Oct	2.8	54	8	3.0	2699	58.9
NK Brand	S52-Y7X	RR2X	5.2	13-Oct	3.3	49	3	3.0	2858	58.3
Virginia Tech	V11-3485	RR	5.3	15-Oct	1.7	32	5	3.0	2490	57.7
Credenz	CZ 5375 RY	RR2Y	5.3	19-Oct	2.7	45	4	3.0	2739	56.0
University of Arkansas	UA 5414RR	RR	5.4	13-Oct	3.8	35	4	2.7	2930	55.6
Credenz	CZ 5242 LL	LL	5.2	20-Oct	2.5	51	7	3.0	2898	55.5
Asgrow	AG5233	RR2Y	5.2	14-Oct	2.5	46	3	3.0	3109	55.2
Stine	51LI32	LL	5.1	17-Oct	3.0	57	4	3.0	2768	53.0
Stine	52LI20	LL	5.2	17-Oct	3.0	51	2	3.0	2694	51.3
Stine	54LE23	LL	5.4	20-Oct	4.0	58	10	3.0	2737	47.8
LSD P=.10					0.7	5	3	0.3	148	8.1
CV					21.2	9	51	6.5	4	9.5
Grand Mean				16-Oct	2.3	44	4	3.1	2677	62.3

Table 6e. Performance of Full-Season Early Maturity Group V Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	PSS (%)	Seed		Yield (Bu/A)
								Quality (1-5)	Seed Size (Seed/lb)	
Axis	5016NRXS	RR2X	5.0	7-Oct	1.5	44	2	2.0	3007	85.9
Stine	51RH20	RR2Y	5.1	7-Oct	1.6	41	1	2.0	3243	85.9
Pioneer	P52A26R	RR	5.2	8-Oct	1.5	46	1	2.0	3388	84.6
Public	Glenn	CONV	5.4	12-Oct	1.9	34	1	2.0	3338	80.6
Credenz	CZ 4918 LL	LL	4.9	2-Oct	1.5	37	1	2.0	2671	79.9
University of Arkansas	R09-430	CONV	5.1	12-Oct	1.8	34	0	2.0	3243	79.5
FS HiSoy	HS52T60	RR2Y/STS	5.2	9-Oct	1.9	40	1	2.0	3047	78.6
Southern Harvest	SH 5215 LL	LL	5.2	10-Oct	1.7	42	1	2.0	2702	78.2
Asgrow	AG5335	RR2Y/STS	5.3	8-Oct	1.5	40	2	2.0	2892	77.5
Virginia Tech	V12-0045R2	RR2Y	5.3	16-Oct	1.7	37	3	2.0	3047	77.0
Credenz	CZ 5150 LL	LL	5.1	12-Oct	1.7	39	1	2.0	3439	76.7
Armor	53-004	RR2X	5.3	13-Oct	1.4	37	1	2.0	2768	76.6
Virginia Tech	V12-3446	CONV	5.1	7-Oct	1.5	32	0	2.0	3338	76.2
Credenz	CZ 5375 RY	RR2Y	5.3	21-Oct	2.8	39	5	2.0	3027	75.7
Stine	54LE23	LL	5.4	17-Oct	2.0	42	5	2.0	3338	74.6
Asgrow	AG5233	RR2Y	5.2	5-Oct	1.6	36	1	2.0	2820	74.4
Pioneer	P53T18X	RR2X	5.3	11-Oct	1.8	43	0	2.0	3027	73.8
Doebler's	RPM 50X8	RR2X	5.0	2-Oct	1.7	38	1	2.3	2735	73.4
Dyna-Gro	S52RS86	RR2Y/STS	5.2	9-Oct	1.9	41	1	2.0	3547	73.4
Virginia Tech	V13-3833	CONV	5.2	9-Oct	1.3	32	1	2.0	2820	72.7
Asgrow	AG53X6	RR2X	5.3	10-Oct	1.8	40	1	2.0	2640	72.4
Stine	51LI32	LL	5.1	12-Oct	1.7	44	2	2.0	3338	71.8
Virginia Tech	V11-3485	RR	5.3	18-Oct	2.1	37	3	2.0	3110	71.1
Stine	52LI20	LL	5.2	9-Oct	1.6	37	1	2.0	2967	71.0
NK Brand	S52-Y7X	RR2X	5.2	6-Oct	1.6	37	1	2.0	3175	70.8
Credenz	CZ 5147 LL	LL	5.1	10-Oct	1.6	36	0	2.0	2910	70.3
Credenz	CZ 4548 LL	LL	4.5	2-Oct	1.4	36	0	2.0	2702	70.0
University of Arkansas	UA 5414RR	RR	5.4	12-Oct	2.0	38	2	2.0	3131	69.7
Armor	ARX5607	RR2X	5.6	14-Oct	1.9	39	1	2.0	2967	68.7
Southern Harvest	SH 5215 LL	LL	5.2	11-Oct	1.5	38	1	2.0	2820	68.5
Credenz	CZ 5242 LL	LL	5.2	11-Oct	1.7	40	0	2.0	3466	68.4
Credenz	CZ 5147 LL	LL	5.1	10-Oct	1.7	35	0	2.0	3661	67.8
University of Arkansas	UA 5014C	CONV	5.0	9-Oct	1.3	31	0	2.0	2820	65.5
LSD P=.10					0.4	4	2	0.1	144	9.3
CV					15.2	7	101	5.0	3	9.2
Grand Mean				10-Oct	1.7	38	1	2.0	3050	74.6

Table 6f. Performance of Double-Crop Early Maturity Group V Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Credenz	CZ 5150 LL	LL	5.1		1.0	36	4	3.0	3172	61.6
Doebler's	RPM 50X8	RR2X	5.0		2.2	33	7	3.3	2855	58.9
Virginia Tech	V13-3833	CONV	5.2		1.0	29	1	2.0	3132	58.9
Axis	5016NRXS	RR2X	5.0		1.3	38	2	2.3	2976	58.1
Stine	51RH20	RR2Y	5.1		1.5	37	4	2.3	2884	58.1
Dyna-Gro	S52RS86	RR2Y/STS	5.2		1.8	39	0	2.0	2522	57.6
Progeny Ag Products	P5016RXS	RR2X/STS	5.0		1.2	37	2	2.3	2943	56.0
Southern Harvest	SH 5215 LL	LL	5.2		1.0	35	5	3.0	3125	55.4
Public	Glenn	CONV	5.4		2.0	30	0	2.0	2899	54.8
Pioneer	P53T73	RR2Y/STS	5.3		1.2	32	1	2.3	3279	53.6
Asgrow	AG5335	RR2Y/STS	5.3		1.0	40	5	2.7	2962	53.6
Credenz	CZ 5147 LL	LL	5.1		2.0	32	0	2.3	3406	53.1
Progeny Ag Products	P5157RXS	RR2X/STS	5.1		1.0	34	3	2.3	3330	53.0
Virginia Tech	V12-0045R2	RR2Y	5.3		1.7	33	4	2.0	2651	52.4
Progeny Ag Products	P5414LLS	LL/STS	5.4		2.5	40	1	2.0	2922	52.4
Virginia Tech	V12-3446	CONV	5.1		1.8	27	3	2.7	3325	52.2
Pioneer	P53T18X	RR2X	5.3		3.0	35	1	2.0	2533	52.0
Hubner Seed	H52-18R2X	RR2X	5.2		2.0	42	2	2.3	2614	51.8
Credenz	CZ 5242 LL	LL	5.2		1.7	36	11	3.7	3416	51.7
Stine	52LI20	LL	5.2		1.2	35	3	2.7	3050	51.6
Asgrow	AG53X6	RR2X	5.3		3.5	34	2	2.7	2537	51.3
Progeny Ag Products	P5417RX	RR2X	5.4		2.8	32	1	2.0	3206	51.3
Asgrow	AG5233	RR	5.2		1.2	34	2	2.0	3163	50.4
Asgrow	AG5535	RR2Y	5.5		2.3	38	0	1.7	2868	49.4
Progeny Ag Products	P5376RX	RR2X	5.3		2.2	32	1	2.0	3153	49.3
Credenz	CZ 5375 RY	RR2X	5.3		3.3	39	1	2.0	2775	47.9
Armor	ARX5607	RR2X	5.6		2.3	37	1	2.0	2918	46.6
Virginia Tech	V11-3485	RR	5.3		2.3	29	0	2.0	3268	46.5
LSD P=.10					0.9	5	2	0.5	175	6.9
CV					33.2	10	69	17.0	4	9.5
Grand Mean					1.9	35	2	2.3	2970	53.1

Table 6g. Performance of Double-Crop Early Maturity Group V Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Stine	51RH20	RR2Y	5.1		1.3	37	4	2.0	3227	61.6
Progeny Ag Products	P5016RXS	RR2X/STS	5.0		2.0	38	3	2.0	3386	55.3
Doebler's	RPM 50X8	RR2X	5.0		2.5	39	5	2.0	3183	53.7
Axis	5016NRXS	RR2X	5.0		2.2	37	5	2.0	3155	53.5
Dyna-Gro	S52RS86	RR2Y/STS	5.2		2.0	39	4	2.0	2826	50.3
Progeny Ag Products	P5417RX	RR2X	5.4		2.8	37	1	2.0	3561	50.0
Hubner Seed	H52-18R2X	RR2X	5.2		1.8	42	3	2.0	2741	49.1
Southern Harvest	SH 5215 LL	LL	5.2		1.2	39	2	2.0	3774	48.0
Asgrow	AG5233	RR	5.2		2.2	34	2	2.0	3732	45.2
Virginia Tech	V12-3446	CONV	5.1		3.3	40	0	2.0	4230	45.1
Credenz	CZ 5150 LL	LL	5.1		1.0	37	0	2.0	3559	44.9
Armor	ARX5607	RR2X	5.6		3.8	40	3	2.0	3380	44.5
Asgrow	AG5535	RR2Y	5.5		3.0	42	0	2.0	3111	43.2
Virginia Tech	V13-3833	CONV	5.2		1.8	36	0	2.0	3704	43.1
Progeny Ag Products	P5376RX	RR2X	5.3		3.5	36	0	2.0	3519	43.0
Asgrow	AG5335	RR2Y/STS	5.3		1.8	38	2	2.0	3143	42.2
Credenz	CZ 5147 LL	LL	5.1		4.0	37	0	2.0	3596	41.8
Public	Glenn	CONV	5.4		3.5	36	0	2.0	3531	40.7
Stine	52LI20	LL	5.2		2.7	40	2	2.0	3615	40.6
Asgrow	AG53X6	RR2X	5.3		3.5	40	2	2.0	3097	39.2
Virginia Tech	V11-3485	RR	5.3		4.3	40	0	2.0	3550	37.6
Pioneer	P53T73	RR2Y/STS	5.3		2.7	41	0	2.0	3507	37.5
Credenz	CZ 5242 LL	LL	5.2		2.0	37	0	2.0	4259	37.0
Credenz	CZ 5375 RY	RR2X	5.3		4.2	36	2	2.0	3266	36.3
Progeny Ag Products	P5157RXS	RR2X/STS	5.1		1.5	30	5	2.0	3922	34.2
Pioneer	P53T18X	RR2X	5.3		4.3	38	0	2.0	3098	33.7
Virginia Tech	V12-0045R2	RR2Y	5.3		2.8	38	1	2.0	3179	32.3
Progeny Ag Products	P5414LLS	LL/STS	5.4		3.7	44	1	2.0	3316	31.8
LSD P=.10					1.1	4	2	.	293	10.2
CV					29.4	8	84	0.0	6	17.0
Grand Mean					2.6	38	2	2.0	3388	43.8

Table 6h. Performance of Double-Crop Early Maturity Group V Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Dyna-Gro	S52RS86	RR2Y/STS	5.2		2.2	40	4	2.0	2244	68.7
Stine	51RH20	RR2Y	5.1		1.7	40	6	3.0	2581	67.0
Progeny Ag Products	P5376RX	RR2X	5.3		3.5	33	5	2.7	2491	66.8
Asgrow	AG5535	RR2Y	5.5		2.5	36	5	2.3	2395	65.1
Axis	5016NRXS	RR2X	5.0		2.2	40	11	3.0	2457	64.8
Hubner Seed	H52-18R2X	RR2X	5.2		1.7	44	7	2.9	2193	64.3
Credenz	CZ 5150 LL	LL	5.1		1.2	40	5	2.3	2552	62.5
Virginia Tech	V11-3485	RR	5.3		2.0	30	2	2.0	2487	62.1
Progeny Ag Products	P5414LLS	LL/STS	5.4		3.0	41	1	2.0	2571	60.7
Southern Harvest	SH 5215 LL	LL	5.2		1.2	38	4	2.0	2636	60.1
Progeny Ag Products	P5016RXS	RR2X/STS	5.0		2.0	40	8	2.7	2459	60.0
Doebler's	RPM 50X8	RR2X	5.0		4.3	42	7	3.0	2460	59.7
Progeny Ag Products	P5417RX	RR2X	5.4		1.7	33	7	2.0	2863	59.6
Asgrow	AG5335	RR2Y/STS	5.3		1.0	41	7	2.3	2484	58.9
Armor	ARX5607	RR2X	5.6		2.8	38	3	2.0	2512	58.8
Virginia Tech	V12-0045R2	RR2Y	5.3		2.0	36	10	2.7	2224	58.8
Pioneer	P53T18X	RR2X	5.3		3.0	38	4	2.0	2337	58.4
Stine	52LI20	LL	5.2		1.5	37	9	2.3	2543	58.3
Pioneer	P53T73	RR2Y/STS	5.3		1.8	39	4	3.0	2561	57.7
Asgrow	AG5233	RR	5.2		2.7	36	8	2.7	2970	57.6
Virginia Tech	V12-3446	CONV	5.1		1.0	31	8	3.0	3004	56.7
Credenz	CZ 5147 LL	LL	5.1		2.0	33	3	2.0	2922	56.4
Asgrow	AG53X6	RR2X	5.3		2.5	35	6	3.0	2361	56.1
Credenz	CZ 5375 RY	RR2X	5.3		2.5	35	3	2.3	2496	55.8
Credenz	CZ 5242 LL	LL	5.2		1.5	41	2	2.0	2864	55.3
Virginia Tech	V13-3833	CONV	5.2		1.0	28	13	2.7	2725	54.2
Progeny Ag Products	P5157RXS	RR2X/STS	5.1		1.2	34	18	2.0	2889	54.0
Public	Glenn	CONV	5.4		1.7	27	3	2.7	2693	
LSD P=.10					0.9	4	5	0.5	143	6.9
CV					32.0	8	58	14.7	4	6.7
Grand Mean					2.0	37	6	2.5	2545	60.3

Table 6i. Performance of Double-Crop Early Maturity Group V Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Axis	5016NRXS	RR2X	5.0	20-Oct	1.9	49	2	2.0	2873	78.5
Dyna-Gro	S52RS86	RR2Y/STS	5.2	22-Oct	3.5	47	2	2.0	2509	77.9
Stine	51RH20	RR2Y	5.1	20-Oct	2.3	49	3	2.0	2881	76.8
Hubner Seed	H52-18R2X	RR2X	5.2	20-Oct	2.6	52	2	2.0	2409	75.9
Virginia Tech	V13-3833	CONV	5.2	22-Oct	2.5	44	2	2.0	3013	74.5
Southern Harvest	SH 5215 LL	LL	5.2	20-Oct	1.6	45	2	2.0	3259	73.6
Asgrow	AG5335	RR2Y/STS	5.3	23-Oct	2.2	48	5	2.0	2653	73.3
Asgrow	AG5233	RR	5.2	15-Oct	1.9	43	1	2.0	3124	72.3
Credenz	CZ 5150 LL	LL	5.1	20-Oct	1.8	43	2	2.0	3326	71.2
Stine	52LI20	LL	5.2	19-Oct	1.8	45	7	2.0	3020	70.2
Progeny Ag Products	P5157RXS	RR2X/STS	5.1	20-Oct	1.8	43	2	2.0	3066	69.5
Pioneer	P53T73	RR2Y/STS	5.3	25-Oct	2.5	47	4	2.0	3041	69.3
Progeny Ag Products	P5016RXS	RR2X/STS	5.0	17-Oct	1.9	49	2	2.0	3035	69.2
Asgrow	AG5535	RR2Y	5.5	23-Oct	2.8	49	3	2.0	2850	68.9
Virginia Tech	V11-3485	RR	5.3	25-Oct	3.5	42	2	2.0	2989	68.4
Pioneer	P53T18X	RR2X	5.3	20-Oct	3.5	50	3	2.0	2720	65.8
Doebler's	RPM 50X8	RR2X	5.0	15-Oct	2.7	48	1	2.0	2961	65.6
Progeny Ag Products	P5376RX	RR2X	5.3	18-Oct	3.4	43	1	2.0	3069	65.5
Public	Glenn	CONV	5.4	21-Oct	3.7	42	1	3.0	3011	63.8
Progeny Ag Products	P5414LLS	LL/STS	5.4	25-Oct	2.8	48	1	2.0	2937	63.6
Asgrow	AG53X6	RR2X	5.3	19-Oct	3.3	50	5	2.0	2665	63.5
Virginia Tech	V12-0045R2	RR2Y	5.3	25-Oct	3.2	42	8	2.0	2656	63.0
Progeny Ag Products	P5417RX	RR2X	5.4	25-Oct	3.6	45	6	2.0	3361	62.4
Credenz	CZ 5242 LL	LL	5.2	21-Oct	1.8	45	2	2.0	3424	62.3
Virginia Tech	V12-3446	CONV	5.1	15-Oct	3.8	45	4	3.0	3524	58.5
Credenz	CZ 5147 LL	LL	5.1	18-Oct	3.8	44	2	2.0	3498	57.8
Armor	ARX5607	RR2X	5.6	21-Oct	3.1	46	1	2.0	3218	56.7
Credenz	CZ 5375 RY	RR2X	5.3	30-Oct	3.8	43	3	2.0	2746	51.8
LSD P=.10					0.6	3	2	.	187	7.9
CV					15.4	5	66	0.0	5	8.5
Grand Mean				21-Oct	2.8	46	3	2.1	2955	68.1

Table 7a. Performance of Full-Season Late Maturity Group V Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Southern Harvest	SH 5515 LL	LL	5.5		1.0	33	0	2.0	3160	67.8
Public	Glenn	CONV	5.4		1.0	28	1	2.0	2856	65.9
Armor	55-R68	RR2X	5.5		1.0	30	0	2.0	3034	65.5
NK Brand	S56-B7X	RR2X	5.6		1.0	32	0	2.0	2994	64.4
Asgrow	AG55X7	RR2X	5.5		1.0	32	0	2.0	2917	64.3
University of Missouri	S13-1955C	CONV	5.5		1.3	35	2	2.0	3009	63.9
Doebler's	RPM 56R8	RR	5.6		1.2	30	0	2.0	2940	63.7
Dyna-Gro	S56XT98	RR2X	5.6		1.0	32	0	3.0	2792	63.4
USDA-ARS	JTN-5110	CONV	5.5		1.0	30	1	2.0	2826	62.2
Armor	ARX5607	RR2X	5.6		1.0	34	0	2.3	2676	62.0
USG	5618V	CONV	5.6		1.0	31	0	2.0	2795	62.0
University of Arkansas	Osage	CONV	5.6		1.0	24	1	2.0	3134	60.8
University of Missouri	S14-9017R	RR	5.5		1.0	28	2	2.0	2739	60.5
Hubner Seed	H57-18R2X	RR2X	5.7		1.0	29	2	2.7	3068	60.1
USG	75B75R	RR2Y	5.7		1.0	35	1	2.0	2743	59.8
Pioneer	P55T81R	RR	5.5		1.0	31	0	2.0	2842	59.1
University of Arkansas	UA 5414RR	RR	5.4		1.0	29	1	2.0	3097	58.9
Virginia Tech	V12-1416	CONV	5.5		1.0	30	0	2.0	3100	58.8
MorSoy	MS 5607 RXT	RR2X	5.6		1.0	32	1	2.0	2760	58.8
Southern Harvest	SH 5915 LL	LL	5.9		1.0	35	2	2.0	3319	58.7
T.A. Seeds	TS5659R2S	RR2Y/STS	5.6		1.0	36	0	2.0	2832	58.5
Credenz	CZ 5727 LL	LL	5.7		1.0	33	1	2.0	2575	58.2
Stine	55RI02	RR2Y	5.5		1.0	35	0	2.3	2721	57.6
USG	7568XT	RR2X	5.6		1.0	33	0	2.0	2729	57.0
Southern Harvest	SH 6515 LL	LL	6.5		1.0	32	0	2.0	2562	56.3
Credenz	CZ 5515 LL	LL	5.5		1.0	39	0	2.0	2735	54.9
Asgrow	AG59X7	RR2X	5.9		1.0	31	4	2.0	3327	54.7
Credenz	CZ 6316 LL	LL/STS	6.3		1.0	36	1	2.0	3057	54.2
Credenz	CZ 6109 LL	LL	6.1		1.0	32	2	2.0	2704	50.6
MorSoy	MS 6027 RXT	RR2X	6.0		1.0	39	1	2.0	3293	50.4
Credenz	CZ 5947 LL	LL	5.9		1.0	33	0	2.0	3155	49.8
Credenz	CZ 6515 LL	LL	6.5		1.0	36	0	2.0	2723	47.2
LSD P=.10					0.15	3.04	1.3	0.27	166.1	6.86
CV					10.93	6.93	129	9.55	4.19	8.5
Grand Mean					1.02	32.2	0.7	2.08	2911.2	59.27

Table 7b. Performance of Full-Season Late Maturity Group V Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Asgrow	AG55X7	RR2X	5.5		1.7	43	0	2.0	3117	67.1
USG	75B75R	RR2Y	5.7		1.3	49	2	2.0	2679	66.4
Hubner Seed	H57-18R2X	RR2X	5.7		1.7	47	3	2.0	3140	63.2
Credenz	CZ 6109 LL	LL	6.1		3.5	51	1	1.0	2761	63.0
USG	5618V	CONV	5.6		2.7	46	2	2.0	2600	62.1
University of Missouri	S14-9017R	RR	5.5		1.2	46	0	2.0	3033	60.7
T.A. Seeds	TS5659R2S	RR2Y/STS	5.6		2.7	50	2	2.0	2816	57.8
Southern Harvest	SH 6515 LL	LL	6.5		2.0	51	0	1.0	2761	56.0
Public	Glenn	CONV	5.4		3.8	42	1	2.0	2953	56.0
Armor	55-R68	RR2X	5.5		4.3	46	0	2.0	2858	55.9
University of Missouri	S13-1955C	CONV	5.5		2.8	47	1	2.0	3317	55.0
Doebler's	RPM 56R8	RR	5.6		4.0	47	1	2.0	2833	54.8
Dyna-Gro	S56XT98	RR2X	5.6		1.8	49	1	2.0	2854	54.0
NK Brand	S56-B7X	RR2X	5.6		2.5	48	1	2.0	3183	53.9
Virginia Tech	V12-1416	CONV	5.5		1.2	47	1	2.0	3009	53.4
Credenz	CZ 6316 LL	LL/STS	6.3		2.8	50	1	1.7	3367	53.4
MorSoy	MS 5607 RXT	RR2X	5.6		2.2	49	1	1.7	2868	51.9
USG	7568XT	RR2X	5.6		2.3	51	2	2.0	2878	51.8
Credenz	CZ 6515 LL	LL	6.5		2.2	57	0	1.0	2908	51.0
Southern Harvest	SH 5515 LL	LL	5.5		2.5	51	1	2.0	3058	50.6
USDA-ARS	JTN-5110	CONV	5.5		2.3	49	2	2.0	2989	49.3
Pioneer	P55T81R	RR	5.5		1.8	54	1	2.0	2810	49.2
Credenz	CZ 5515 LL	LL	5.5		2.8	56	1	2.0	2720	49.0
Asgrow	AG59X7	RR2X	5.9		1.5	50	4	2.0	3233	48.5
University of Arkansas	UA 5414RR	RR	5.4		3.2	47	2	2.0	3131	48.1
Southern Harvest	SH 5915 LL	LL	5.9		3.3	54	3	2.0	2982	47.9
Credenz	CZ 5727 LL	LL	5.7		2.3	54	1	2.0	2484	47.7
Stine	55RI02	RR2Y	5.5		2.0	49	2	2.0	2790	47.2
Armor	ARX5607	RR2X	5.6		2.0	51	2	2.0	2957	42.8
University of Arkansas	Osage	CONV	5.6		1.2	47	2	2.0	3201	42.3
Credenz	CZ 5947 LL	LL	5.9		3.3	52	1	2.0	3156	40.2
MorSoy	MS 6027 RXT	RR2X	6.0		2.3	53	1	2.0	3020	38.9
LSD P=.10					1.01	3.77	1.4	0.2	249.7	12.03
CV					30.18	5.62	75	7.58	6.21	16.65
Grand Mean					2.45	49.23	1.4	1.89	2952.1	53.01

Table 7c. Performance of Full-Season Late Maturity Group V Entries at Painter VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
University of Arkansas	UA 5414RR	RR	5.4		1.3	25	3	2.0	3140	54.7
Public	Glenn	CONV	5.4		1.3	21	6	2.9	2933	56.2
Credenz	CZ 6316 LL	LL/STS	6.3		1.0	33	1	2.0	2803	57.4
Southern Harvest	SH 5915 LL	LL	5.9		2.3	33	2	2.0	2693	57.8
Southern Harvest	SH 6515 LL	LL	6.5		1.5	29	0	2.0	2357	57.8
University of Missouri	S13-1955C	CONV	5.5		1.7	29	2	2.7	2892	59.1
Credenz	CZ 5947 LL	LL	5.9		3.3	33	1	2.0	2687	59.6
Doebler's	RPM 56R8	RR	5.6		2.7	31	0	2.0	2733	60.7
USDA-ARS	JTN-5110	CONV	5.5		1.2	26	4	3.0	2647	60.9
Credenz	CZ 6515 LL	LL	6.5		2.0	32	0	2.0	2668	61.1
Credenz	CZ 6109 LL	LL	6.1		2.2	32	1	2.0	2405	61.4
Credenz	CZ 5515 LL	LL	5.5		2.0	40	1	2.0	2464	61.8
USG	5618V	CONV	5.6		1.0	27	3	3.0	2809	62.3
University of Arkansas	Osage	CONV	5.6		1.2	24	1	2.0	3120	62.9
University of Missouri	S14-9017R	RR	5.5		1.0	28	8	2.0	2551	63.1
Asgrow	AG55X7	RR2X	5.5		1.0	26	3	2.3	2942	64.3
Armor	55-R68	RR2X	5.5		3.2	30	1	2.0	2609	64.3
Southern Harvest	SH 5515 LL	LL	5.5		2.3	38	2	2.0	2738	64.6
MorSoy	MS 6027 RXT	RR2X	6.0		1.2	34	0	2.0	2767	65.2
Pioneer	P55T81R	RR	5.5		1.0	30	1	2.0	2500	65.8
NK Brand	S56-B7X	RR2X	5.6		1.8	28	2	2.0	2835	66.1
Asgrow	AG59X7	RR2X	5.9		1.0	28	1	2.0	3048	66.1
USG	75B75R	RR2Y	5.7		1.0	28	3	2.0	2627	66.2
Dyna-Gro	S56XT98	RR2X	5.6		1.2	30	2	2.7	2489	66.6
MorSoy	MS 5607 RXT	RR2X	5.6		1.2	30	2	2.0	2477	66.6
Credenz	CZ 5727 LL	LL	5.7		1.5	32	0	2.0	2226	67.1
Armor	ARX5607	RR2X	5.6		1.2	29	2	2.7	2556	67.8
Virginia Tech	V12-1416	CONV	5.5		1.0	29	1	2.0	2783	68.7
USG	7568XT	RR2X	5.6		1.3	32	4	2.3	2510	70.0
Hubner Seed	H57-18R2X	RR2X	5.7		1.0	28	6	2.0	2787	70.7
Stine	55RI02	RR2Y	5.5		1.0	30	2	2.3	2454	72.6
T.A. Seeds	TS5659R2S	RR2Y/STS	5.6		1.8	31	2	2.0	2590	78.4
LSD P=.10					0.69	3.69	1.7	0.36	125.8	7.57
CV					33.27	9.15	58	12.16	3.43	8.71
Grand Mean					1.53	29.57	2.2	2.2	2690.1	63.76

Table 7d. Performance of Full-Season Late Maturity Group V Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
USG	75B75R	RR2Y	5.7	20-Oct	1.3	39	3	4.0	2542	77.4
Stine	55RI02	RR2Y	5.5	17-Oct	1.2	40	1	3.3	2442	76.8
Credenz	CZ 5727 LL	LL	5.7	23-Oct	2.5	45	5	4.0	2337	75.1
Armor	55-R68	RR2X	5.5	25-Oct	2.3	40	2	4.0	2543	74.8
Asgrow	AG55X7	RR2X	5.5	15-Oct	1.0	34	3	3.0	2840	73.7
USG	7568XT	RR2X	5.6	20-Oct	2.0	43	3	4.0	2439	73.1
Armor	ARX5607	RR2X	5.6	20-Oct	2.3	38	3	4.0	2481	72.4
Public	Glenn	CONV	5.4	19-Oct	1.7	32	1	4.0	2464	72.2
USG	5618V	CONV	5.6	17-Oct	1.2	36	2	3.7	2415	71.8
Doebler's	RPM 56R8	RR	5.6	21-Oct	1.7	40	3	4.0	2590	70.8
NK Brand	S56-B7X	RR2X	5.6	22-Oct	2.7	36	3	4.0	2842	70.1
Dyna-Gro	S56XT98	RR2X	5.6	20-Oct	2.0	37	4	4.0	2409	69.6
Asgrow	AG59X7	RR2X	5.9	25-Oct	2.3	45	6	3.3	3186	69.2
Pioneer	P55T81R	RR	5.5	18-Oct	1.5	39	4	3.0	2667	67.4
T.A. Seeds	TS5659R2S	RR2Y/STS	5.6	21-Oct	2.0	42	5	4.0	2636	67.4
MorSoy	MS 5607 RXT	RR2X	5.6	19-Oct	2.3	40	3	4.0	2469	67.0
Hubner Seed	H57-18R2X	RR2X	5.7	20-Oct	1.2	33	4	4.0	3306	66.3
Virginia Tech	V12-1416	CONV	5.5	17-Oct	1.5	35	3	3.3	2775	64.8
Credenz	CZ 5947 LL	LL	5.9	25-Oct	3.7	42	0	2.7	2994	63.6
USDA-ARS	JTN-5110	CONV	5.5	18-Oct	2.2	32	5	4.0	2504	63.0
University of Arkansas	Osage	CONV	5.6	19-Oct	2.5	35	3	3.0	2816	62.0
Southern Harvest	SH 5915 LL	LL	5.9	21-Oct	2.7	40	5	3.7	2648	61.1
Credenz	CZ 6316 LL	LL/STS	6.3	23-Oct	2.3	44	2	4.0	3160	59.9
University of Missouri	S14-9017R	RR	5.5	17-Oct	1.3	38	5	4.0	2682	59.6
MorSoy	MS 6027 RXT	RR2X	6.0	25-Oct	2.3	43	2	2.3	2949	59.0
University of Missouri	S13-1955C	CONV	5.5	20-Oct	2.7	37	4	4.0	3035	58.9
Southern Harvest	SH 5515 LL	LL	5.5	23-Oct	2.7	55	5	4.0	2968	58.3
Credenz	CZ 6109 LL	LL	6.1	25-Oct	2.8	44	3	4.0	2549	56.2
Credenz	CZ 5515 LL	LL	5.5	19-Oct	3.3	56	7	3.0	2454	55.6
Southern Harvest	SH 6515 LL	LL	6.5	25-Oct	4.2	45	1	3.7	2652	50.8
Credenz	CZ 6515 LL	LL	6.5	25-Oct	4.5	49	1	2.0	3111	46.8
University of Arkansas	UA 5414RR	RR	5.4	16-Oct	3.8	40	2	4.0	3178	44.6
LSD P=.10					0.9	4.45	1.9	0.39	158.5	11.15
CV					28.95	8.14	45	7.99	4.29	12.54
Grand Mean				20-Oct	2.29	40.09	3.1	3.63	2713.5	65.23

Table 7e. Performance of Full-Season Late Maturity Group V Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed			Yield (Bu/A)
							PSS (%)	Quality (1-5)	Seed Size (Seed/lb)	
Asgrow	AG55X7	RR2X	5.5	10-Oct	1.9	37	1	2.0	3163	77.6
Armor	55-R68	RR2X	5.5	21-Oct	3.5	38	3	3.0	3200	74.1
Hubner Seed	H57-18R2X	RR2X	5.7	19-Oct	2.3	35	8	3.3	3398	72.0
Stine	55RI02	RR2Y	5.5	12-Oct	1.9	39	2	2.7	3211	71.8
University of Arkansas	Osage	CONV	5.6	13-Oct	1.6	34	2	2.7	3478	71.5
USG	75B75R	RR2Y	5.7	19-Oct	1.9	37	5	3.0	3040	71.3
T.A. Seeds	TS5659R2S	RR2Y/STS	5.6	18-Oct	2.2	44	7	3.3	3117	71.0
Public	Glenn	CONV	5.4	11-Oct	2.1	33	2	2.7	3106	70.7
Southern Harvest	SH 5515 LL	LL	5.5	12-Oct	2.2	42	1	2.0	3440	70.1
Armor	ARX5607	RR2X	5.6	14-Oct	2.2	39	4	2.7	3135	69.8
USG	5618V	CONV	5.6	19-Oct	2.0	34	5	2.7	2986	69.7
Doebler's	RPM 56R8	RR	5.6	22-Oct	3.3	37	5	3.0	3076	69.5
MorSoy	MS 5607 RXT	RR2X	5.6	13-Oct	2.1	40	2	2.3	3313	69.5
University of Missouri	S13-1955C	CONV	5.5	18-Oct	2.9	39	4	3.0	3392	69.2
Pioneer	P55T81R	RR	5.5	15-Oct	2.5	43	1	2.0	3085	67.9
Virginia Tech	V12-1416	CONV	5.5	20-Oct	1.7	36	2	2.3	3334	67.6
NK Brand	S56-B7X	RR2X	5.6	18-Oct	2.0	33	2	2.3	3363	67.0
Dyna-Gro	S56XT98	RR2X	5.6	13-Oct	2.2	39	1	2.3	3283	66.8
Southern Harvest	SH 6515 LL	LL	6.5	19-Oct	2.4	41	2	2.7	3140	66.4
Asgrow	AG59X7	RR2X	5.9	20-Oct	2.2	40	27	5.0	3673	65.7
Credenz	CZ 6316 LL	LL/STS	6.3	19-Oct	2.6	43	1	2.7	3541	65.3
University of Missouri	S14-9017R	RR	5.5	10-Oct	1.5	35	3	2.3	3009	64.9
USDA-ARS	JTN-5110	CONV	5.5	12-Oct	2.3	36	7	3.3	2974	64.6
Credenz	CZ 5515 LL	LL	5.5	10-Oct	2.2	48	1	2.0	2928	64.2
Credenz	CZ 5727 LL	LL	5.7	23-Oct	3.1	41	4	2.3	2722	63.6
Credenz	CZ 6109 LL	LL	6.1	18-Oct	2.6	41	2	2.5	3028	63.1
Credenz	CZ 6515 LL	LL	6.5	28-Oct	2.8	45	3	2.7	3132	60.9
USG	7568XT	RR2X	5.6	11-Oct	1.9	35	0	2.1	3487	60.4
Southern Harvest	SH 5915 LL	LL	5.9	17-Oct	2.3	40	5	3.0	3181	59.8
Credenz	CZ 5947 LL	LL	5.9	21-Oct	3.6	41	2	2.0	3503	57.1
MorSoy	MS 6027 RXT	RR2X	6.0	21-Oct	2.2	42	7	3.3	3429	56.3
University of Arkansas	UA 5414RR	RR	5.4	11-Oct	1.9	32	3	2.5	3523	50.6
LSD P=.10					0.6	3	4	0.7	210	8.2
CV					19.5	7	73	18.9	5	9.0
Grand Mean					16-Oct	2.3	39	4	2.7	67.1

Table 7f. Performance of Double-Crop Late Maturity Group V Entries at Blackstone VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Public	Glenn	CONV	5.4		1.7	28	0	1.7	2925	59.8
Asgrow	AG59X7	RR2X	5.9		1.2	32	2	2.3	3125	54.5
Southern Harvest	SH 6515 LL	LL	6.5		2.3	36	0	2.0	2781	54.2
Credenz	CZ 5515 LL	LL	5.5		1.5	39	1	2.7	2708	53.8
MorSoy	MS 6027 RXT	RR2X	6.0		2.0	40	1	2.3	3153	52.9
Progeny Ag Products	P5555RY	RR2Y	5.5		2.5	36	1	2.0	2912	52.6
Asgrow	AG55X7	RR2X	5.5		2.0	30	0	2.3	2828	50.9
Southern Harvest	SH 5915 LL	LL	5.9		3.3	30	1	2.0	3132	49.3
USG	7568XT	RR2X	5.6		1.5	31	2	2.3	3027	48.3
MorSoy	MS 5607 RXT	RR2X	5.6		1.2	36	1	2.3	3027	48.2
Pioneer	P55T81R	RR	5.5		1.2	34	2	2.3	2829	48.1
Virginia Tech	V12-1416	CONV	5.5		1.7	34	0	2.0	2942	46.9
Southern Harvest	SH 5515 LL	LL	5.5		1.5	34	7	3.0	3271	46.8
Stine	55RI02	RR2Y	5.5		1.0	36	1	2.3	2929	45.8
University of Missouri	S13-1955C	CONV	5.5		3.2	29	2	2.3	3060	45.6
Progeny Ag Products	P5752RY	RR2Y	5.7		2.5	35	1	2.3	2865	45.6
USG	5618V	CONV	5.6		1.5	28	0	2.7	3105	45.0
Credenz	CZ 5727 LL	LL	5.7		2.2	39	1	2.3	2846	44.7
Credenz	CZ 5947 LL	LL	5.9		4.2	34	0	2.0	2994	44.3
Hubner Seed	H57-18R2X	RR2X	5.7		1.5	32	2	2.7	3087	44.2
Progeny Ag Products	P5688RX	RR2X	5.6		1.3	36	1	2.7	2964	43.4
USDA-ARS	JTN-5110	CONV	5.5		2.8	28	0	2.3	2923	40.1
Doebler's	RPM 56R8	RR	5.6		3.0	33	1	2.0	2959	37.0
LSD P=.10					1.2	5	2	0.7	169	7.2
CV					41.8	11	91	22.2	4	11.0
Grand Mean					2.0	33	1	2.3	2983	47.6

Table 7g. Performance of Double-Crop Late Maturity Group V Entries at Orange VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Southern Harvest	SH 6515 LL	LL	6.5		4.5	41	0	2.0	2965	52.0
Progeny Ag Products	P5752RY	RR2Y	5.7		3.5	44	0	2.0	2748	49.8
USG	7568XT	RR2X	5.6		4.3	43	0	2.0	2832	48.8
Credenz	CZ 5515 LL	LL	5.5		4.0	46	2	2.0	2692	48.5
Asgrow	AG55X7	RR2X	5.5		4.2	40	1	2.0	2826	48.2
Progeny Ag Products	P5688RX	RR2X	5.6		4.7	47	0	2.0	2766	48.2
Public	Glenn	CONV	5.4		5.0	37	0	2.0	2972	47.6
Virginia Tech	V12-1416	CONV	5.5		3.3	43	0	2.0	3126	46.4
Stine	55RI02	RR2Y	5.5		3.8	46	0	2.0	2763	46.1
Southern Harvest	SH 5515 LL	LL	5.5		3.5	40	1	2.0	3578	45.8
USG	5618V	CONV	5.6		3.8	43	0	2.0	3097	42.5
Credenz	CZ 5947 LL	LL	5.9		4.5	43	0	2.0	3495	42.5
University of Missouri	S13-1955C	CONV	5.5		4.8	46	0	2.0	3366	41.2
Asgrow	AG59X7	RR2X	5.9		4.2	40	1	2.0	3540	40.9
MorSoy	MS 6027 RXT	RR2X	6.0		3.8	44	0	2.0	3216	39.0
Progeny Ag Products	P5555RY	RR2Y	5.5		4.7	47	1	2.0	2911	37.9
MorSoy	MS 5607 RXT	RR2X	5.6		4.5	45	0	2.0	2811	37.2
Southern Harvest	SH 5915 LL	LL	5.9		4.7	48	0	2.0	3097	36.6
USDA-ARS	JTN-5110	CONV	5.5		4.7	40	1	2.0	3056	36.2
Pioneer	P55T81R	RR	5.5		4.0	47	0	2.0	2938	33.9
Hubner Seed	H57-18R2X	RR2X	5.7		4.3	40	0	2.0	3186	33.9
Credenz	CZ 5727 LL	LL	5.7		4.7	48	1	2.0	2669	24.9
Doebler's	RPM 56R8	RR	5.6		5.0	45	0	2.0	2682	23.7
LSD P=.10					0.7	4	1	.	226	7.6
CV					11.8	6	127	0.0	5	13.6
Grand Mean					4.3	43	0	2.0	3022	40.6

Table 7h. Performance of Double-Crop Late Maturity Group V Entries at Suffolk VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
Asgrow	AG55X7	RR2X	5.5		1.3	33	4	2.0	2595	71.2
Stine	55RI02	RR2Y	5.5		2.3	38	3	2.0	2430	68.4
Doebler's	RPM 56R8	RR	5.6		3.8	34	1	2.0	2527	67.1
Pioneer	P55T81R	RR	5.5		3.2	42	2	2.0	2566	65.7
Progeny Ag Products	P5752RY	RR2Y	5.7		1.3	36	2	2.0	2490	65.7
Progeny Ag Products	P5555RY	RR2Y	5.5		3.5	39	2	2.0	2705	65.1
Virginia Tech	V12-1416	CONV	5.5		2.7	38	3	2.0	2530	65.0
Credenz	CZ 5515 LL	LL	5.5		3.0	46	9	2.0	2423	63.8
Public	Glenn	CONV	5.4		1.7	28	3	2.7	2687	63.6
Southern Harvest	SH 5515 LL	LL	5.5		2.8	40	2	2.0	2791	63.1
Hubner Seed	H57-18R2X	RR2X	5.7		1.7	33	3	2.0	2949	63.1
USG	7568XT	RR2X	5.6		3.2	34	6	2.0	2575	61.4
Southern Harvest	SH 6515 LL	LL	6.5		3.7	38	0	2.0	2703	60.2
Asgrow	AG59X7	RR2X	5.9		2.2	36	3	2.0	3105	58.8
University of Missouri	S13-1955C	CONV	5.5		4.2	42	3	2.0	2987	58.0
USG	5618V	CONV	5.6		1.5	33	0	2.0	2973	57.8
USDA-ARS	JTN-5110	CONV	5.5		3.5	36	5	2.7	2545	57.4
MorSoy	MS 5607 RXT	RR2X	5.6		3.0	37	4	2.0	2664	57.4
Credenz	CZ 5947 LL	LL	5.9		4.2	41	1	2.0	3041	56.9
Progeny Ag Products	P5688RX	RR2X	5.6		2.5	36	2	2.0	2572	56.7
MorSoy	MS 6027 RXT	RR2X	6.0		3.3	42	2	2.0	2804	56.2
Southern Harvest	SH 5915 LL	LL	5.9		3.8	39	4	2.0	3000	51.8
Credenz	CZ 5727 LL	LL	5.7		3.5	45	1	2.0	2522	50.3
LSD P=.10					0.9	3	3	0.2	132	6.7
CV					23.4	6	82	7.9	4	8.0
Grand Mean					2.8	38	3	2.1	2713	61.1

Table 7i. Performance of Double-Crop Late Maturity Group V Entries at Warsaw VA, 2017

Brand	Variety	Herbicide Resistance	Relative Maturity	Maturity Date	Lodging (1-5)	Height (IN)	Seed		Seed Size (Seed/lb)	Yield (Bu/A)
							PSS (%)	Quality (1-5)		
MorSoy	MS 6027 RXT	RR2X	6.0	24-Oct	3.2	50	1	2.0	3271	73.0
Progeny Ag Products	P5752RY	RR2Y	5.7	25-Oct	2.7	49	2	2.0	2769	71.5
Credenz	CZ 5515 LL	LL	5.5	20-Oct	3.0	53	6	2.0	2776	68.0
Credenz	CZ 5727 LL	LL	5.7	31-Oct	3.5	52	0	2.0	2680	68.0
Progeny Ag Products	P5555RY	RR2Y	5.5	26-Oct	3.5	53	3	2.0	3103	67.7
Southern Harvest	SH 6515 LL	LL	6.5	23-Oct	3.0	49	0	2.0	3115	66.7
Public	Glenn	CONV	5.4	21-Oct	4.1	43	2	2.3	2976	65.8
Virginia Tech	V12-1416	CONV	5.5	25-Oct	4.0	46	3	2.0	2820	65.6
Stine	55RI02	RR2Y	5.5	24-Oct	3.2	50	5	2.0	2849	65.6
Asgrow	AG55X7	RR2X	5.5	21-Oct	3.1	46	3	2.0	3150	65.5
MorSoy	MS 5607 RXT	RR2X	5.6	25-Oct	3.3	47	3	2.0	3004	65.3
Progeny Ag Products	P5688RX	RR2X	5.6	24-Oct	3.6	48	2	2.0	2972	63.9
USG	5618V	CONV	5.6	27-Oct	3.4	46	2	2.0	3267	63.8
USG	7568XT	RR2X	5.6	24-Oct	3.6	48	2	2.0	3041	63.6
Southern Harvest	SH 5515 LL	LL	5.5	23-Oct	2.2	49	2	2.0	3479	62.4
Doebler's	RPM 56R8	RR	5.6	26-Oct	4.2	48	1	2.0	3003	60.2
Credenz	CZ 5947 LL	LL	5.9	24-Oct	3.9	51	0	2.0	3550	60.1
Pioneer	P55T81R	RR	5.5	24-Oct	2.8	47	3	2.0	3114	57.9
Southern Harvest	SH 5915 LL	LL	5.9	23-Oct	3.9	49	5	2.0	3332	57.1
Hubner Seed	H57-18R2X	RR2X	5.7	29-Oct	3.0	43	5	2.0	3198	56.8
Asgrow	AG59X7	RR2X	5.9	26-Oct	2.8	44	6	2.0	3530	54.9
USDA-ARS	JTN-5110	CONV	5.5	21-Oct	4.3	44	3	3.0	2949	54.5
University of Missouri	S13-1955C	CONV	5.5	22-Oct	4.5	50	4	2.0	3439	49.7
LSD P=.10					0.5	4	3	0.2	144	8.9
CV					10.8	6	65	5.7	3	10.3
Grand Mean				24-Oct	3.4	48	3	2.1	3112	62.8