

PERFORMANCE OF SOYBEANS IN ALABAMA, 2021

DEPT. SERIES NO. CSES2021: SOYBEAN
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CROP, SOIL & ENVIRONMENTAL SCIENCES
AUBURN UNIVERSITY, AUBURN AL
DECEMBER 10, 2021

MISSION

The mission of the Alabama Variety Testing Program is to provide research-based, unbiased results on the performance of various crop hybrids, cultivars, and varieties to the agricultural community in our state. We are intent on conducting these trials in a manner that will result in maximum biological yield through methods common to the top-producing farms in Alabama. We are committed to providing this information in a rapid, timely manner for its use during the decision-making process. The success of the program rests upon our ability to help Alabama producers provide a safe, dependable source of food and fiber for all families as well as economic sustainability for theirs.

HOW TO INTERPRET RESULTS

The purpose of the variety trial data is to determine whether differences are due to genetic performance. These differences cannot be measured absolutely due to environmental field conditions (rainfall, temperatures, soil fertility, soil type, disease, insects, etc.). Yields may differ between plots of the same entry. This variation is accounted for using experimental design and statistics.

The least significant difference (LSD) is used to determine whether the observed differences between entries are real or are caused by random variation. When using the LSD, two entries may have numerically different values, but the values are not statistically different. When two entries are compared and the observed difference is larger than the LSD, the entries are considered statistically different. An alpha level of 0.10 is used, meaning that the differences observed are expected to be real 90% of the time.

The coefficient of variation (CV) is a measure used to compare the amount of random variation within a data set. The lower the CV, the more precise the data set.

Each table is organized in a manner that it is easy to read. The data is sorted from highest yielding to lowest. The bolded values are not statistically different from the highest yielding value.

A dark line in the table visually represents the test average. Any value above the line is equal to or greater than the test average. The numeric value for the test average is at the bottom of the tables.

Test results do not imply endorsement or recommendation by the Auburn University Variety Testing Program.



ACKNOWLEDGEMENT

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SEED SOURCES

SOUTH REGION

BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

Malcomb Pegues, Director

Brad Miller, Associate Director

WEBSITE

Test by Maturity Group:
IV V VI VII-VIII

GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL

Malcomb Pegues, Director

Jarrod Jones, Associate Director

WEBSITE

Test by Maturity Group:
IV V VI VII-VIII

CENTRAL REGION

E.V. SMITH RESEARCH AND EXTENSION CENTER PLANT BREEDING UNIT, SHORTER, AL

Jason Burkett, Associate Director

WEBSITE

Test by Maturity Group:
Early-IV

E.V. SMITH RESEARCH AND EXTENSION CENTER FIELD CROPS UNIT, SHORTER, AL

Shawn Scott, Associate Director

WEBSITE

Test by Maturity Group:
IV V VI VII-VIII

BLACK BELT RESEARCH AND EXTENSION CENTER MARION JUNCTION, AL

Jamie Yeager, Director

WEBSITE

Test by Maturity Group:
Sumter Soil: IV V VI VII-VIII
Vaiden Soil: IV V VI VII-VIII

NORTH REGION

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER BELLE MINA, AL

Chet Norris, Director

David Harkins, Associate Director

WEBSITE

Test by Maturity Group:

Early-IV IV V-VI

SAND MOUNTAIN RESEARCH AND EXTENSION CENTER CROSSVILLE, AL

Chet Norris, Interim Director

Clint McElmoyl, Associate Director

WEBSITE

Test by Maturity Group:

Early-IV IV V-VI

RATING DEFINITIONS

Maturity is the date when approximately 95% of the pods are ripe. Delayed leaf drop and green stems are not considered in assigning maturity.

TABLE 1 – LODGING, SHATTERING, AND QUALITY DEFINITIONS

Score (1-5)	Lodging	Shattering	Seed Quality
1	Almost all plants erect	No shattering	Very Good
2	All plants leaning slightly or a few plants down	1-10% shattered	Good
3	All plants leaning moderately (45%), or 25-50% of plants down	10-25% shattered	Fair
4	All plants leaning considerably, or 50-80% of plants down	25-20% shattered	Poor
5	Almost all plants down	Over 50% shattered	Very Poor

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MANAGEMENT

Soybeans are seeded at 140,000 seed per acre. Moisture is recorded at the time of harvest and yields are standardized to 13.0% moisture for head-to-head comparison.

TABLE 2 - LOCATION SPECIFIC MANAGEMENT

Research Center	Tennessee Valley	Sand Mountain	E.V. Smith PBU	E.V. Smith FCU	Black Belt	Brewton	Gulf Coast
Location	Belle Mina	Crossville	Tallassee	Shorter	Marion Junction	Brewton	Fairhope
Region	North	North	Central	Central	Central	South	South
Maturity Groups	Early 4 Reg. 4-6	Early 4 Reg. 4-6	Early 4	Reg 4-8	Reg 4-8	Reg 4-8	Reg 4-8
Plant Date	April 22 May 17	May 18-19	April 29	MG4 – May 11 MG5 – May 27 MG6-8 – June 4	May 24	May 25	June 14
Harvest Date	September 30 Oct 20 & 27	November 9	October 13	MG4 – Nov 2 MG – Nov 23 MG6-8 – Nov 15	MG4-Oct 2 MG5-8-Oct 25	MG4-6-Nov 2 MG7-8 Nov 8	November 8
Row Spacing	30 inches	30 inches	36 inches	36 inches	36 inches	36 inches	38 inches
Soil Type	Decatur Silt Loam	Hartsell Fine Sandy Loam	Kalmia Loamy Sand	Marvyn Sandy Loam	Sumter & Vaiden	Bennidale Fine Sandy Loam	Malbis Fine Sandy Loam
Tillage	No-Till	No-Till	Conventional	Conventional	Conventional	Strip	Strip

Research Center	Tennessee Valley	Sand Mountain	E.V. Smith PBU	E.V. Smith FCU	Black Belt	Brewton	Gulf Coast
Fertilization	0N-40P-40K	None	None	0N-92P-120K	18N-46-60K	24N-60P-93K	Variable rate 9-23-30
Herbicides	Cobra Roundup Valor	Gramoxone Provonis Roundup Tapout Valor	Classic Gramoxone Roundup Storm 2,4-DB	Dual Magnum Intensity Liberty Roundup	Glyphosate Gramoxone Interlock Valor	Fierce Section 3 Storm Roundup	Makaze Valor
Insecticides	Double Take Mustang Max	Grizzly Intrepid	Endigo Tundra	Dimilin Sniper Warrior	Acephate Bifenthrin	Besiege	Intrepid Edge Sniper
Fungicides	Approach- Prima	None	Quadris	Froghorn	Avaris	Stratego	Quadris Top
Test Conducted By	B. Durham D. Harkins	C. McElmoyl J. Bloodworth J. Clayton	J. Burkett F. Jackson	S. Scott C. Ruff H. Mote R. Owens	J. Yeager	B. Miller B. Thompson J. Wyatt	M. Pegues J. Jones

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SEED SOURCES

TABLE 3 – SEED SOURCE, VARIETY NAME, AND REGIONS TESTED

Source	Variety	Maturity
AgriGold	G4615XF	4.6
	G4813XF	4.8
	G4820RX	4.8
	G4900XF	4.9
	G4995RX	4.9
AGSouth Genetics	AGS 6777C	6.7
	AGS 738RR	7.3
	Woodruff	7.8
Alabama Crop Improvement Association	Hutcheson	5.0
	Stonewall	7.0
BASF/Credenz	CZ 4202XF	4.2
	CZ 4562XF	4.5
	CZ 4742XF	4.7
	CZ 4892XF	4.8
	CZ 4912XF	4.9
	CZ 5282XF	5.2
	CZ 5552	5.5
	CZ 6362XF	6.3
	CZ 7222XF	7.2
Bayer Crop Science	AG44XF2	4.4
	AG47XF2	4.7
	AG48XF2	4.8
	AG53XF2	5.3
	AG54XF0	5.4
	AG56XF2	5.6
	AG66XF2	6.6
	AG71XF2	7.1
Clemson University	Cheraw	8.0
	Paul	8.0

Source	Variety	Maturity
DonMario Seeds	DM46E62	4.6
	DM46F62	4.6
	DM53F62S	5.3
	DM59E01	5.9
Dyna-Gro Seed	S43XS70	4.3
	S46XF31S	4.6
	S46XS60	4.6
	S48XT40	4.8
	S48XT90	4.8
	S56XF01	5.6
	S56XT99	5.6
	S58XT30	5.8
	S65XF22	6.5
	S68XF01	6.8
	S68XF41	6.8
	S72XT80	7.2
S74XT59	7.4	
Local Seed Company	LS4606XFS	4.6
	LS4805XFS	4.8
	LS4806XS	4.8
	LS5009XS	5.0
	LS5418XFS	5.4
	LS5909XFS	5.9
	LS6206X	6.2
	LS6806XF	6.8
	LS7099X	7.0
Pioneer - Corteva Agriscience	P53A67X	5.3
	P59A11SX	5.9
	P68A07SX	6.8
Syngenta - NK	NK39-A1XF	3.9
	NK43-V8XF	4.3
	NK45-P9XF	4.5
	NK57-A3XF	5.7
	NK65-M9XF	6.5
	NK69-Q4XF	6.9
	NK72-B2XF	7.2
	S44-C7X	4.4
	S49-F5X	4.9
	S53-F7X	5.3

Source	Variety	Maturity
UGA	G14-4316R2	
	G15-1811R2	7-8
	G15PR-340	6.0
	G17PR-1053HOLLR1	6.0
	G17PR-1207HOLL	7-8
		7-8
UniSouth Genetics	USG 7392XFS	3.9
	USG 7441XF	4.4
	USG 7461XFS	4.6
	USG 7461XTS	4.6
	USG 7472XFS	4.7
	USG 7481XF	4.8
	USG 7482XFS	4.8
	USG 7489XT	4.8
	USG 7490GT	4.9
	USG 7491XFS	4.9
	USG 7496XTS	4.9
University of Missouri	S09-13608	4.7
	S16-11644C	4.9
	S16-14730C	4.7
	S16-14801C	5.0
	S16-5503R	4.8
	S16-5540R	4.6
	S16-7840C	5.0
	S16-7922C	4.9
	S16-8898C	4.8
	S16-9090C	5.2
	S16-9478C	5.2
	S17-2193C	4.7
S17-2243C	4.5	
Winfield United	46-FX13	4.6
	48-D24	4.8
	48-D25	4.8
	48-F22	4.8

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MATURITY GROUP IV-V
BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

TABLE 4 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Date day-month	Seed per Pound	Seed Quality
P59A11SX	84	32	1.0	7-Oct	2579	1.2
S53-F7X	76	35	1.0	10-Oct	2739	2.0
NK57-A3XF	72	32	1.0	5-Oct	2952	1.8
S58XT30	72	33	1.0	7-Oct	2477	1.5
LS4806XS	71	35	1.0	6-Oct	2461	1.8
LS4606XFS	71	44	2.0	4-Oct	2635	2.2
S56XT99	68	32	1.0	3-Oct	2457	1.5
P53A67X	67	26	1.0	3-Oct	3322	1.3
CZ 5552	64	33	1.0	4-Oct	2906	1.7
LS5009XS	62	38	2.0	1-Oct	2798	2.0
LS4805XFS	62	36	1.0	9-Oct	2394	1.8
LS5418XFS	60	44	1.3	3-Oct	3027	1.3
CZ 5282XF	59	44	1.0	4-Oct	3100	1.7
NK45-P9XF	58	36	1.0	1-Oct	2877	2.5
Hutcheson	57	31	1.0	30-Sep	2569	1.7
S56XF01	53	46	2.3	5-Oct	2969	1.7
LS5909XFS	48	45	2.7	5-Oct	2360	1.7
Average	65	37	1.3	4-Oct	2742	1.7
LSD @ 10% level	6	6	0.8	N.S.	186	0.07
CV	14	19	56	2	11	22
Model R-Square	0.86	0.72	0.56	0.50	0.87	0.73

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP VI
BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

TABLE 5 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Date day-month	Seed per Pound	Seed Quality
LS6206X	87	34	1.0	8-Oct	2681	1.3
P68A07SX	83	34	1.0	9-Oct	2917	1.6
AG66XF2	81	34	1.0	12-Oct	2979	1.4
NK69-Q4XF	81	33	1.0	8-Oct	2666	1.8
S68XF41	77	34	1.0	10-Oct	2681	1.5
LS6806XF	77	33	1.0	10-Oct	2665	1.4
G15-1811R2	75	34	1.0	8-Oct	3142	1.6
S65XF22	73	34	1.0	2-Oct	3039	1.8
CZ 6362XF	72	40	1.3	1-Oct	2620	1.9
G15PR-340	71	35	1.0	7-Oct	3382	1.4
NK65-M9XF	71	35	1.0	2-Oct	2982	2.0
AGS 6777C	69	32	1.0	3-Oct	2278	1.6
Average	76	34	1.0	6-Oct	2836	1.6
LSD @ 10% level	5	3	N.S.	2 days	120	0.3
CV	9	8	14	1	10	20
Model R-Square	0.72	0.57	0.29	0.83	0.92	0.51

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP VII-VIII
BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

TABLE 6 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Date day-month	Seed per Pound	Seed Quality
Cheraw	103	37	1.0	15-Oct	2865	1.4
AGS 738RR	100	34	1.0	11-Oct	3275	1.5
Woodruff	100	34	2.3	11-Oct	2824	1.4
CZ 7222XF	100	37	3.0	11-Oct	2866	1.8
Stonewall	99	33	2.0	11-Oct	2395	1.4
G17PR-1207HOLL	98	36	1.0	11-Oct	2952	1.5
G17PR-1053HOLLR1	96	35	1.0	11-Oct	3175	1.6
Paul	96	33	1.0	15-Oct	3367	1.0
LS7099X	95	37	1.0	11-Oct	2927	1.4
S74XT59	95	38	1.0	12-Oct	2904	1.8
G14-4316R2	95	34	1.0	14-Oct	2563	1.6
AG71XF2	94	37	1.0	16-Oct	2829	1.3
S72XT80	92	34	1.0	16-Oct	3013	1.4
NK72-B2XF	91	33	1.0	15-Oct	3247	1.6
Average	97	35	1.3	12-Oct	2943	1.5
LSD @ 10% level	2	2	0.4	1 day	133	0.3
CV	4	7	51	0.8	9	19
Model R-Square	0.79	0.56	0.79	0.86	0.90	0.56

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP IV-V
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL

TABLE 7 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Shatter (1-5)	Maturity Date day-month
P59A11SX	66	26	1.3	1.0	18-Oct
NK57-A3XF	62	25	1.3	1.5	17-Oct
LS5009XS	61	37	3.0	1.0	20-Oct
S53-F7X	59	35	1.5	1.3	19-Oct
LS5418XFS	57	41	1.8	1.0	16-Oct
S58XT30	57	25	1.0	1.0	21-Oct
S56XF01	56	42	2.8	1.0	18-Oct
S56XT99	56	25	1.3	1.0	13-Oct
P53A67X	56	24	1.3	1.0	12-Oct
LS4606XFS	55	35	2.3	1.5	14-Oct
LS5909XFS	54	47	3.3	1.0	24-Oct
CZ 5552	52	26	1.5	1.3	12-Oct
CZ 5282XF	51	33	1.3	1.0	15-Oct
LS4806XS	49	30	1.8	1.0	15-Oct
NK45-P9XF	48	32	3.0	1.8	12-Oct
LS4805XFS	47	31	1.0	1.8	15-Oct
Hutcheson	46	27	1.5	1.5	13-Oct
Average	55	32	1.8	1.2	16-Oct
LSD @ 10% level	5	3	0.6	0.5	2 days
CV	12	23	48	37	1.2
Model R-Square	0.73	0.88	0.76	0.41	0.85

Bolded yields are NOT statistically different from the highest yielding entry.

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N.S. –differences are statistically non-significant.

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MATURITY GROUP VI
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL

TABLE 8 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Shatter (1-5)	Maturity Date day-month
LS6206X	69	27	1.3	1.0	25-Oct
NK69-Q4XF	66	29	2.0	1.0	27-Oct
G15-1811R2	66	31	2.0	1.0	23-Oct
S68XF41	66	27	1.0	1.3	24-Oct
P68A07SX	65	32	1.3	1.0	23-Oct
NK65-M9XF	65	30	1.0	1.0	23-Oct
AG66XF2	64	29	1.0	1.0	25-Oct
LS6806XF	62	26	1.0	1.5	24-Oct
S65XF22	62	28	1.0	1.0	24-Oct
AGS 6777C	56	34	2.3	1.0	19-Oct
CZ 6362XF	56	31	1.8	1.0	17-Oct
G15PR-340	53	29	1.0	1.0	18-Oct
Average	62	29	1.4	1.1	22-Oct
LSD @ 10% level	4	2	0.4	0.3	2 days
CV	9	10	39	23	1.1
Model R-Square	0.77	0.65	0.78	0.46	0.88

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP VII-VII
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL

TABLE 9 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Date day-month
CZ 7222XF	65	32	2.8	29-Oct
LS7099X	65	29	1.0	29-Oct
AG71XF2	65	33	1.0	29-Oct
NK72-B2XF	62	30	1.3	29-Oct
G14-4316R2	61	34	2.0	29-Oct
Paul	61	33	1.5	29-Oct
G17PR-1207HOLL	59	32	1.8	29-Oct
S72XT80	59	28	1.3	29-Oct
Woodruff	57	29	3.0	29-Oct
Stonewall	57	33	2.3	29-Oct
S74XT59	57	34	2.5	29-Oct
G17PR-1053HOLLR1	57	28	1.3	30-Oct
AGS 738RR	53	28	1.5	30-Oct
Cheraw	51	32	1.3	28-Oct
Average	59	31	1.7	29-Oct
LSD @ 10% level	6	2	0.7	N.S.
CV	10	8	47	0.8
Model R-Square	0.52	0.69	0.65	0.90

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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EARLY-PLANTED MATURITY GROUP IV
E.V. SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT - SHORTER, AL

TABLE 10 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches
S16-7922C	92	28
S48XT90	88	34
S16-11644C	86	31
S48XT40	85	32
S16-5503R	83	28
USG 7461XTS	83	34
S09-13608	83	31
S16-5540R	82	31
G4995RX	82	30
USG 7490GT	81	29
LS4805XFS	80	31
S16-8898C	79	30
LS4606XFS	77	30
G4813XF	77	31
CZ 4912XF	72	30
S17-2193C	70	31
LS4806XS	69	30
CZ 4742XF	68	30
USG 7496XTS	66	28
S16-14730C	65	30
CZ 4892XF	64	30
USG 7461XFS	64	30
S46XF31S	63	30
CZ 4202XF	62	32
S17-2243C	62	37
G4615XF	61	29
NK S49-F5X	60	29
S43XS70	57	28
NK45-P9XF	55	34
CZ 4562XF	55	29
G4820RX	54	31
USG 7392XFS	52	28
USG 7489XT	50	31
S46XS60	50	30
DM46F62	47	29

Variety	Yield bushels per acre	Height inches
NK43-V8XF	35	32
Average	68	31
LSD @ 10% level	13	N.S.
CV	25	12
Model R-Square	0.67	0.30

Bolded yields are NOT statistically different from the highest yielding entry.
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N.S. –differences are statistically non-significant.

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MATURITY GROUP IV
E.V. SMITH RESEARCH AND EXTENSION CENTER
FIELD CROPS UNIT - SHORTER, AL

TABLE 11 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre
USG 7482XFS	39
USG 7490GT	38
USG 7461XFS	38
S48XT40	36
S48XT90	30
USG 7496XTS	30
NK45-P9XF	28
LS4606XFS	26
USG 7491XFS	26
NK S49-F5X	25
S44-C7X	25
USG 7489XT	24
S46XF31S	24
LS4806XS	24
USG 7481XF	23
USG 7461XTS	23
AG48XF2	22
USG 7472XFS	21
LS4805XFS	20
NK43-V8XF	19
AG47XF2	18
Average	27
LSD @ 10% level	9
CV	34
Model R-Square	0.48

Bolded yields are NOT statistically different from the highest yielding entry.
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N.S. –differences are statistically non-significant.

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MATURITY GROUP V
E.V. SMITH RESEARCH AND EXTENSION CENTER
FIELD CROPS UNIT - SHORTER, AL

TABLE 12 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
P59A11SX	78	36	1.0	19-Oct
S58XT30	75	28	1.0	15-Oct
S53-F7X	68	41	1.0	12-Oct
NK57-A3XF	67	36	1.0	17-Oct
P53A67X	62	34	1.5	13-Oct
AG53XF2	60	42	1.0	15-Oct
LS5418XFS	60	43	1.3	15-Oct
S16-14801C	60	36	2.4	10-Oct
S56XT99	60	33	1.4	9-Oct
CZ 5282XF	59	41	1.0	10-Oct
S16-9090C	59	33	2.5	10-Oct
Hutcheson	55	36	1.3	11-Oct
S16-7840C	54	43	2.3	10-Oct
AG56XF2	52	38	1.5	11-Oct
CZ 5552	51	33	1.0	9-Oct
S56XF01	49	39	1.4	14-Oct
DM59E01	45	44	1.4	13-Oct
LS5909XFS	43	46	2.6	19-Oct
LS5009XS	42	42	1.1	17-Oct
S16-9478C	40	38	1.9	17-Oct
Average	57	38	1.5	13-Oct
LSD @ 10% level	9	5	0.4	4 days
CV	21	15	43	1
Model R-Square	0.71	0.65	0.74	0.55

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP VI
E.V. SMITH RESEARCH AND EXTENSION CENTER
FIELD CROPS UNIT - SHORTER, AL

TABLE 13 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
LS6206X	78	35	1.4	17-Oct
AG66XF2	72	38	1.5	18-Oct
G15-1811R2	72	37	1.5	16-Oct
LS6806XF	68	36	1.3	18-Oct
S68XF41	68	36	1.0	18-Oct
S65XF22	68	36	1.6	16-Oct
CZ 6362XF	62	45	2.5	15-Oct
G15PR-340	56	39	1.8	20-Oct
AGS 6777C	52	37	2.0	16-Oct
Average	66	38	1.6	17-Oct
LSD @ 10% level	8	2	0.5	2 days
CV	15	9	34	0.7
Model R-Square	0.69	0.77	0.65	0.60

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP VII-VIII
E.V. SMITH RESEARCH AND EXTENSION CENTER
FIELD CROPS UNIT - SHORTER, AL

TABLE 14 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
Cheraw	68	38	1.0	24-Oct
Stonewall	67	37	1.5	23-Oct
CZ 7222XF	67	37	2.3	18-Oct
Woodruff	66	39	2.9	23-Oct
G17PR-1207HOLL	65	41	1.5	23-Oct
S72XT80	64	36	1.0	22-Oct
G14-4316R2	62	41	1.8	25-Oct
S74XT59	61	43	2.0	24-Oct
AG71XF2	58	37	1.3	22-Oct
G17PR-1053HOLLR1	58	35	1.4	23-Oct
Paul	58	39	1.5	24-Oct
AGS 738RR	57	34	1.8	23-Oct
LS7099X	52	38	1.0	22-Oct
Average	62	38	1.6	22-Oct
LSD @ 10% level	N.S.	3	0.5	2 days
CV	15	9	40	0.7
Model R-Square	0.31	0.57	0.73	0.62

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**MATURITY GROUP IV
SUMTER SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL**

TABLE 15 – LOCATION SPECIFIC DATA

Variety	Yield Bushels per acre	Height Inches	Maturity Date Day-Month
S48XT90	51	29	24-Sep
LS4806XS	49	28	24-Sep
LS4606XFS	46	30	20-Sep
S48XT40	46	27	24-Sep
NK45-P9XF	44	30	20-Sep
USG 7461XTS	43	27	23-Sep
S46XF31S	43	28	21-Sep
USG 7491XFS	42	27	20-Sep
LS4805XFS	41	29	22-Sep
USG 7482XFS	41	26	22-Sep
USG 7461XFS	41	30	23-Sep
USG 7489XT	40	26	25-Sep
AG47XF2	39	25	20-Sep
NK43-V8XF	39	30	20-Sep
S49-F5X	37	26	23-Sep
USG 7472XFS	37	26	20-Sep
AG48XF2	34	24	20-Sep
USG 7496XTS	33	30	24-Sep
USG 7481XF	32	25	21-Sep
S44-C7X	29	24	20-Sep
USG 7490GT	23	16	22-Sep
Average	39	27	21-Sep
LSD @ 10% level	8	3	1 day
CV	22	14	1
Model R-Square	0.59	0.73	0.73

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP V
SUMTER SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL

TABLE 16 – LOCATION SPECIFIC DATA

Variety	Yield Bushels per acre	Height Inches	Lodging (1-5)	Maturity Date (day-month)
S16-9090C	56	24	1.0	7-Oct
P59A11SX	55	24	1.0	12-Oct
LS5909XFS	54	44	2.0	17-Oct
NK57-A3XF	51	23	1.0	7-Oct
S16-7840C	49	27	1.0	30-Sep
S56XF01	49	39	1.3	15-Oct
DM59E01	48	35	1.0	3-Oct
S56XT99	47	24	1.0	30-Sep
LS5009XS	46	31	1.0	2-Oct
S53-F7X	44	32	1.0	3-Oct
AG53XF2	43	28	1.0	29-Sep
P53A67X	43	21	1.0	20-Sep
AG56XF2	43	23	1.0	29-Sep
CZ 5552	43	24	1.0	29-Sep
CZ 5282XF	43	30	1.0	9-Oct
LS5418XFS	40	30	1.0	9-Oct
S16-14801C	39	27	1.0	29-Sep
Hutcheson	38	22	1.0	26-Sep
S16-9478C	37	23	1.0	4-Oct
S58XT30	36	20	1.0	8-Oct
Average	45	28	1.1	3-Oct
LSD @ 10% level	6	3	0.1	4 days
CV	20	25	22	3
Model R-Square	0.73	0.91	0.85	0.88

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**MATURITY GROUP VI
SUMTER SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL**

TABLE 17 – LOCATION SPECIFIC DATA

Variety	Yield Bushels per acre	Height Inches	Maturity Date (day-month)
AG66XF2	52	29	16-Oct
LS6206X	50	25	16-Oct
G15-1811R2	50	29	16-Oct
CZ 6362XF	49	31	11-Oct
AGS 6777C	49	26	10-Oct
G15PR-340	47	26	15-Oct
S68XF41	42	26	15-Oct
LS6806XF	38	24	17-Oct
S65XF22	37	23	11-Oct
Average	46	27	14-Oct
LSD @ 10% level	6	2	3 days
CV	15	11	1
Model R-Square	0.65	0.73	0.61

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**MATURITY GROUP VII-VIII
SUMTER SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL**

TABLE 18 – LOCATION SPECIFIC DATA

Variety	Yield Bushels per acre	Height Inches	Lodging (1-5)	Maturity Date (day-month)
S74XT59	54	32	1.0	20-Oct
G14-4316R2	52	34	1.0	20-Oct
AG71XF2	52	30	1.0	20-Oct
LS7099X	52	29	1.0	19-Oct
AGS 738RR	51	27	1.0	20-Oct
G17PR-1053HOLLR1	51	27	1.0	20-Oct
CZ 7222XF	50	31	1.3	20-Oct
G17PR-1207HOLL	49	26	1.0	20-Oct
Stonewall	47	25	1.0	20-Oct
Woodruff	44	28	1.0	20-Oct
Cheraw	43	26	1.0	22-Oct
S72XT80	42	27	1.0	20-Oct
Paul	39	25	1.0	20-Oct
Average	48	28	1.0	20-Oct
LSD @ 10% level	6	3	N.S.	1 day
CV	13	12	14	0.4
Model R-Square	0.60	0.69	0.29	0.47

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**MATURITY GROUP IV
VAIDEN SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL**

TABLE 19 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
S48XT40	47	26	1	24-Sep
USG 7461XFS	46	26	1	24-Sep
LS4606XFS	46	25	1	23-Sep
S46XF31S	44	26	1	23-Sep
S48XT90	42	24	1	27-Sep
USG 7482XFS	42	24	1	28-Sep
NK45-P9XF	41	25	1	21-Sep
USG 7496XTS	38	25	1	27-Sep
USG 7481XF	35	24	1	23-Sep
S49-F5X	35	22	1	24-Sep
LS4806XS	34	24	1	28-Sep
USG 7461XTS	34	23	1	25-Sep
LS4805XFS	34	22	1	24-Sep
USG 7491XFS	33	22	1	26-Sep
AG48XF2	33	22	1	23-Sep
S44-C7X	32	18	1	23-Sep
AG47XF2	32	18	1	24-Sep
NK43-V8XF	31	23	1	24-Sep
USG 7472XFS	29	22	1	21-Sep
USG 7489XT	27	22	1	28-Sep
USG 7490GT	26	18	1	29-Sep
Average	36	23	1	24-Sep
LSD @ 10% level	10	2	N.S.	3 days
CV	33	15	.	1
Model R-Square	0.65	0.78	.	0.60

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP V
VAIDEN SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL

TABLE 20 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
S56XF01	49	36	1.3	19-Oct
S16-7840C	45	24	1.0	3-Oct
P59A11SX	44	22	1.0	16-Oct
S16-9090C	42	22	1.0	11-Oct
NK57-A3XF	42	21	1.0	11-Oct
LS5909XFS	39	40	1.3	22-Oct
P53A67X	39	20	1.0	5-Oct
S56XT99	39	23	1.0	11-Oct
S58XT30	38	21	1.0	17-Oct
S16-9478C	37	23	1.0	15-Oct
S16-14801C	37	22	1.0	5-Oct
LS5418XFS	36	29	1.0	18-Oct
CZ 5282XF	34	26	1.0	15-Oct
DM59E01	34	28	1.0	13-Oct
LS5009XS	34	27	1.0	15-Oct
AG56XF2	33	22	1.0	11-Oct
CZ 5552	32	21	1.0	12-Oct
AG53XF2	32	24	1.0	8-Oct
Hutcheson	30	21	1.0	11-Oct
S53-F7X	28	26	1.0	15-Oct
Average	37	25	1.0	12-Oct
LSD @ 10% level	7	2	0.2	2 days
CV	19	21	15	2
Model R-Square	0.54	0.91	0.31	0.78

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**MATURITY GROUP VI
VAIDEN SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL**

TABLE 21 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
G15-1811R2	51	24	1	20-Oct
S68XF41	41	19	1	20-Oct
CZ 6362XF	39	25	1	24-Oct
AG66XF2	38	20	1	24-Oct
LS6206X	38	21	1	20-Oct
LS6806XF	37	19	1	20-Oct
S65XF22	35	19	1	20-Oct
G15PR-340	30	20	1	21-Oct
AGS 6777C	26	21	1	26-Oct
Average	37	21	1	21-Oct
LSD @ 10% level	7	2	N.S.	3 days
CV	25	12	0	1
Model R-Square	0.70	0.83	1	0.65

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**MATURITY GROUP VII-VIII
VAIDEN SOIL
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL**

TABLE 22 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month
S74XT59	54	32	1.0	20-Oct
G14-4316R2	52	34	1.0	20-Oct
AG71XF2	52	30	1.0	20-Oct
LS7099X	52	29	1.0	19-Oct
AGS 738RR	51	27	1.0	20-Oct
G17PR-1053HOLLR1	51	27	1.0	20-Oct
CZ 7222XF	50	31	1.3	20-Oct
G17PR-1207HOLL	49	26	1.0	20-Oct
Stonewall	47	25	1.0	20-Oct
Woodruff	44	28	1.0	20-Oct
Cheraw	43	26	1.0	22-Oct
S72XT80	42	27	1.0	20-Oct
Paul	39	25	1.0	20-Oct
Average	48	28	1.0	20-Oct
LSD @ 10% level	6	3	N.S.	1 day
CV	13	12	14	0.4
Model R-Square	0.60	0.69	0.29	0.47

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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EARLY-PLANTED MATURITY GROUP IV
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 23 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Maturity Day-Month	Seed per Pound	Seed Quality
USG 7461XFS	90	35	20-Sep	2568	2.0
S09-13608	85	36	20-Sep	2795	1.8
LS4806XS	85	36	22-Sep	2739	2.0
LS4606XFS	84	36	20-Sep	2530	2.0
S46XF31S	83	36	20-Sep	2627	2.0
USG 7496XTS	83	37	22-Sep	2769	2.3
USG 7392XFS	82	33	8-Sep	2384	2.0
NK43-V8XF	82	35	14-Sep	2545	2.3
S48XT90	81	38	21-Sep	2774	2.0
S46XS60	81	34	20-Sep	2863	2.0
S16-5540R	79	33	22-Sep	2797	1.5
G4615XF	79	36	20-Sep	2628	2.0
CZ 4892XF	78	38	13-Sep	2819	2.0
S16-14730C	78	36	17-Sep	2971	1.7
G4995RX	78	38	22-Sep	2843	2.0
DM46F62	78	35	19-Sep	2936	1.8
S43XS70	78	34	16-Sep	2655	1.8
S16-11644C	78	28	24-Sep	3014	1.5
CZ 4562XF	77	39	18-Sep	2790	1.8
G4820RX	77	34	22-Sep	2517	2.2
S16-5503R	77	33	22-Sep	3008	1.5
CZ 4742XF	76	43	14-Sep	2563	2.0
LS4805XFS	76	33	24-Sep	2291	2.3
G4813XF	76	32	24-Sep	2386	2.3
S16-7922C	75	33	24-Sep	3054	1.5
USG 7489XT	75	33	22-Sep	2309	2.3
S16-8898C	74	33	20-Sep	2919	1.7
CZ 4912XF	74	50	21-Sep	2668	1.8
S49-F5X	74	29	20-Sep	2902	2.0
S17-2243C	73	39	17-Sep	3195	1.8
USG 7490GT	73	27	24-Sep	3455	1.7
S48XT40	72	37	20-Sep	3052	2.0
S17-2193C	70	39	21-Sep	3143	1.5
USG 7461XTS	70	34	20-Sep	3000	2.0
NK45-P9XF	65	37	13-Sep	3072	2.0

Variety	Yield bushels per acre	Height inches	Maturity Day-Month	Seed per Pound	Seed Quality
CZ 4202XF	64	44	11-Sep	3548	1.3
Average	77	36	19-Sep	2809	1.9
LSD @ 10% level	7	3	3 days	151	0.3
CV	9	13	2	16	11
Model R-Square	0.64	0.82	0.85	0.91	0.73

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP IV
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 24 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month	Seed per Pound	Seed Quality
G4615XF	78	44	1.3	24-Sep	2765	2.0
USG 7461XFS	77	43	1.7	24-Sep	2768	1.8
USG 7461XTS	77	42	2.0	23-Sep	3288	1.7
S44-C7X	76	36	1.7	22-Sep	3167	2.2
USG 7496XTS	75	44	2.0	26-Sep	2972	1.8
S46XS60	75	39	1.3	25-Sep	3039	1.5
46-FX13	75	43	1.7	24-Sep	2767	2.0
LS4606XFS	75	44	2.0	24-Sep	2818	2.0
S49-F5X	75	38	2.0	24-Sep	3033	2.0
G4995RX	75	45	2.7	26-Sep	3086	1.7
LS4806XS	74	41	1.7	24-Sep	2915	2.2
S48XT90	73	42	2.0	24-Sep	2864	2.0
AG47XF2	73	37	1.7	21-Sep	3127	2.0
S46XF31S	72	43	2.0	24-Sep	2909	2.0
USG 7489XT	72	38	1.7	25-Sep	2620	2.0
G4820RX	72	44	1.3	24-Sep	2860	2.0
USG 7472XFS	71	39	2.3	21-Sep	2981	1.8
48-D24	71	37	1.3	25-Sep	2703	1.8
NK43-V8XF	71	40	2.3	20-Sep	2976	2.0
NK45-P9XF	71	43	2.0	20-Sep	3080	2.0
S43XS70	70	41	2.0	19-Sep	3173	2.0
USG 7392XFS	70	38	1.7	13-Sep	2691	1.7
USG 7491XFS	70	39	1.0	24-Sep	2711	2.0
USG 7441XF	70	42	2.0	21-Sep	3296	2.0
S48XT40	70	43	2.0	22-Sep	3072	2.0
G4813XF	70	40	1.0	23-Sep	2702	2.0
S16-5503R	70	33	2.0	26-Sep	3275	1.5
S16-5540R	70	34	2.3	24-Sep	3202	1.5
S09-13608	69	39	1.7	24-Sep	3045	1.8
S17-2193C	69	44	2.0	23-Sep	3350	1.8
S16-7922C	68	34	2.0	26-Sep	3311	1.5
LS4805XFS	68	38	1.0	23-Sep	2832	2.2
USG 7481XF	68	41	2.0	24-Sep	3605	2.2
S16-8898C	68	35	3.0	24-Sep	3037	1.7
USG 7482XFS	68	41	2.0	25-Sep	3227	2.0

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month	Seed per Pound	Seed Quality
S17-2243C	68	44	1.0	22-Sep	3427	2.0
AG48XF2	67	39	2.3	22-Sep	2892	1.7
S16-14730C	67	39	1.7	22-Sep	3059	1.7
S16-11644C	67	34	2.7	25-Sep	3721	1.5
CZ 4912XF	66	49	1.7	24-Sep	2674	1.8
CZ 4892XF	65	42	1.7	15-Sep	3059	1.5
USG 7490GT	65	29	1.0	25-Sep	4288	1.7
CZ 4562XF	64	40	2.0	21-Sep	3284	1.7
AG44XF2	64	42	1.0	13-Sep	3517	1.7
G4900XF	64	40	1.7	25-Sep	3246	2.0
DM46E62	64	35	2.7	21-Sep	3750	2.3
NK39-A1XF	61	35	1.0	6-Sep	3457	1.8
CZ 4742XF	59	41	2.3	22-Sep	2827	2.0
CZ 4202XF	57	43	2.3	15-Sep	3556	1.7
Average	70	40	2	22-Sep	3103	2
LSD @ 10% level	5	2	0.5	2 days	192	0.3
CV	8	10	33	2	12	15
Model R-Square	0.69	0.88	0.74	0.88	0.90	0.63

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP V
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 25 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches	Lodging (1-5)	Maturity Day-Month	Seed per Pound	Seed Quality
AG56XF2	80	41	1.3	1-Oct	2823	1.5
S53-F7X	79	42	1.3	6-Oct	3107	2.0
AG53XF2	76	43	1.7	29-Sep	2808	1.7
NK57-A3XF	76	35	1.0	13-Oct	3067	1.7
AG54XF0	75	45	1.0	11-Oct	2902	1.8
S16-9090C	75	36	2.0	6-Oct	3217	1.2
S16-9478C	75	34	2.0	1-Oct	3146	1.5
S56XF01	74	50	1.7	13-Oct	3044	1.8
S56XT99	74	39	1.0	4-Oct	2666	1.8
S16-7840C	71	35	2.0	1-Oct	3088	1.3
LS5009XS	71	44	2.0	1-Oct	3012	1.8
S16-14801C	68	33	2.3	27-Sep	3061	1.5
LS5418XFS	64	49	1.7	29-Sep	3341	2.0
CZ 5282XF	63	50	1.3	4-Oct	3456	1.5
CZ 5552	63	38	1.3	29-Sep	3281	1.2
LS5909XFS	62	46	4.0	15-Oct	2494	1.7
Hutcheson	61	36	2.0	29-Sep	2853	1.7
Average	71	41	2	4-Oct	3022	1.6
LSD @ 10% level	9	4	0.6	2 days	260	N.S.
CV	12	15	46	2	9	24
Model R-Square	0.62	0.87	0.81	1.00	0.72	0.47

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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EARLY-PLANTED MATURITY GROUP IV
SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

TABLE 26 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches
S48XT40	50	24
S16-7922C	50	24
S09-13608	48	24
S16-5503R	48	24
CZ 4912XF	45	30
S17-2193C	45	28
S16-8898C	45	25
S46XF31S	44	24
G4995RX	44	25
USG 7461XFS	44	27
S16-5540R	42	23
LS4606XFS	42	24
LS4806XS	41	23
CZ 4742XF	40	26
G4615XF	40	23
S17-2243C	40	26
CZ 4562XF	39	29
S16-14730C	38	24
G4813XF	37	23
NK45-P9XF	37	24
USG 7496XTS	36	24
S48XT90	35	24
S16-11644C	34	19
DM46F62	34	25
NK S49-F5X	32	21
USG 7392XFS	32	22
G4820RX	32	21
CZ 4892XF	31	23
USG 7490GT	31	19
S46XS60	31	22
CZ 4202XF	31	23
LS4805XFS	31	22
NK43-V8XF	31	24
USG 7461XTS	30	20
USG 7489XT	30	21
S43XS70	30	22

Variety	Yield bushels per acre	Height inches
Average	38	24
LSD @ 10% level	9	3
CV	25	13
Model R-Square	0.53	0.62

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP IV
SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

TABLE 27 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Height inches
G4995RX	56	29
G4900XF	56	27
G4820RX	55	29
CZ 4912XF	55	32
S17-2193C	55	32
46-FX13	55	28
S09-13608	54	29
USG 7461XTS	53	29
S46XF31S	53	30
S16-8898C	53	31
S48XT90	53	29
AG47XF2	53	30
USG 7461XFS	53	30
LS4606XFS	53	31
USG 7482XFS	52	26
AG44XF2	52	26
S16-5540R	51	30
USG 7481XF	50	28
S17-2243C	50	28
USG 7489XT	50	25
S16-7922C	50	30
S43XS70	49	28
AG48XF2	49	26
G4615XF	49	29
S16-5503R	49	29
USG 7472XFS	49	28
NK S49-F5X	48	27
CZ 4742XF	48	27
USG 7490GT	48	25
LS4806XS	47	27
S16-11644C	46	28
S48XT40	46	29
S46XS60	46	26
USG 7496XTS	46	29
CZ 4892XF	45	29
NK S44-C7X	45	23
USG 7441XF	45	28

Variety	Yield bushels per acre	Height inches
USG 7491XFS	44	25
G4813XF	44	26
DM46E62	44	26
CZ 4562XF	44	32
NK45-P9XF	44	30
48-D24	43	25
LS4805XFS	41	26
S16-14730C	39	25
USG 7392XFS	39	24
CZ 4202XF	38	27
NK43-V8XF	38	28
NK39-A1XF	38	27
Average	48	28
LSD @ 10% level	8	4
CV	16	13
Model R-Square	0.45	0.39

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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MATURITY GROUP V
SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

TABLE 28 - LOCATION SPECIFIC DATA

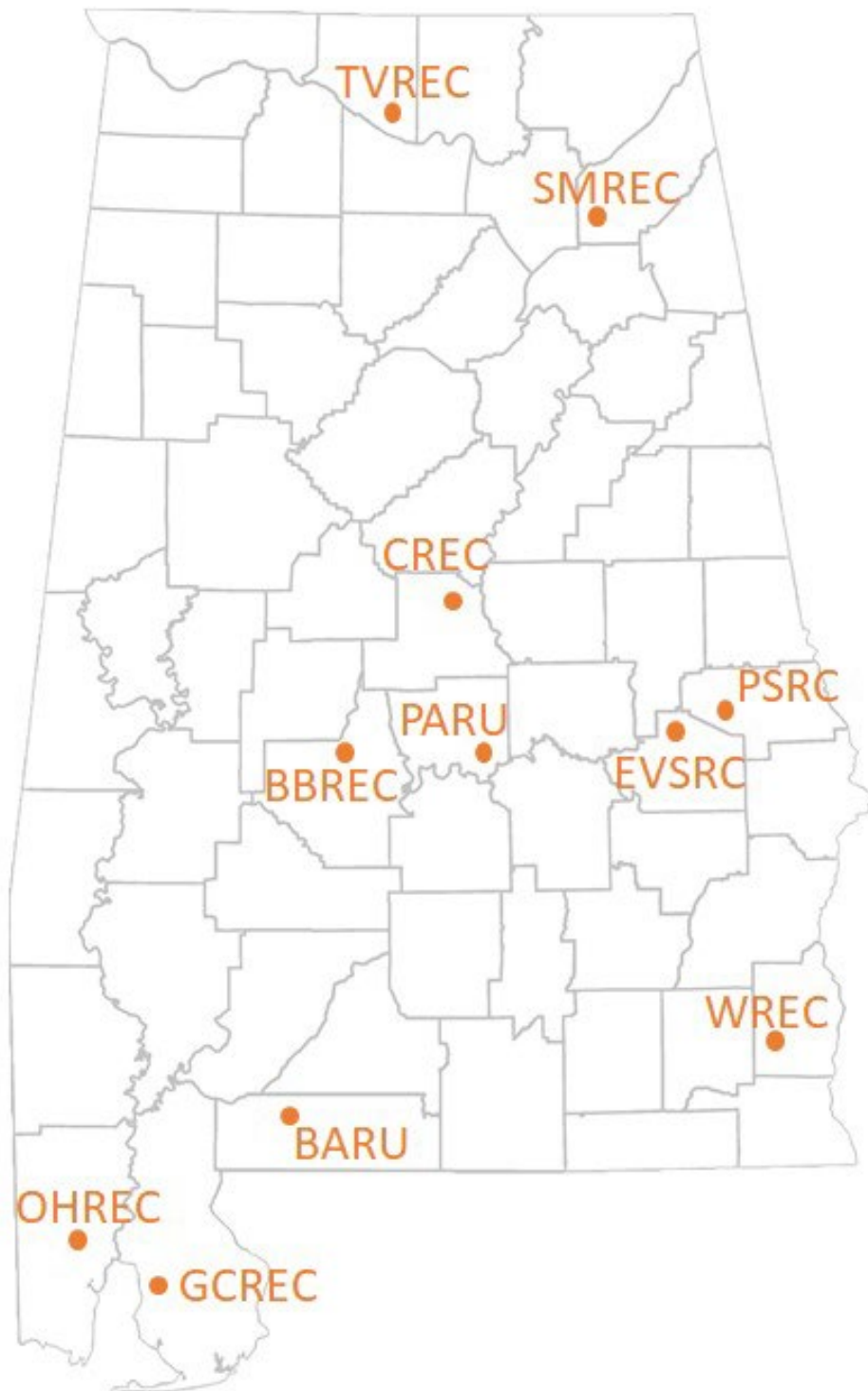
Variety	Yield bushels per acre	Height inches
S16-14801C	55	33
AG53XF2	54	32
NK57-A3XF	54	30
LS5009XS	53	35
CZ 5282XF	52	27
S56XF01	52	32
AG54XF0	52	28
S53-F7X	52	29
S16-9090C	51	29
S56XT99	51	28
LS5418XFS	50	27
S16-7840C	49	31
S16-9478C	47	32
AG56XF2	47	28
LS5909XFS	46	30
Hutcheson	46	34
CZ 5552	45	29
Average	50	30
LSD @ 10% level	N.S.	N.S.
CV	13	15
Model R-Square	0.37	0.29

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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