

PERFORMANCE OF PEANUTS IN ALABAMA, 2021

DEPT. SERIES NO. CSES2021: PEANUT
HENRY G. JORDAN JR., VARIETY TESTING MANAGER
CROP, SOIL & ENVIRONMENTAL SCIENCES
AUBURN UNIVERSITY, AUBURN AL
JANUARY 31, 2022

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

**DR. PAUL PATTERSON, DEAN AND DIRECTOR
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JACKSON BARBER**

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HEADLAND, AL

Chris Parker, Associate Director

WEBSITE

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GULF COAST RESEARCH AND EXTENSION CENTER

HEADLAND, AL

Malcomb Pegues, Director

Jarrod Jones, Associate Director

WEBSITE

YIELD/QUALITY – NON-IRRIGATED

DISEASE – NON-IRRIGATED

**EV SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT
HEADLAND, AL**

Jason Burkett, Associate Director

WEBSITE

YIELD/QUALITY – NON-IRRIGATED
DISEASE – NON-IRRIGATED

MATERIALS AND METHODS

Trials are seeded at 6 seed per row foot in 4-row plots. Moisture is recorded at the time of harvest and yields are standardized to 7.0% moisture for head-to-head comparisons. Two subsamples from each research plot are obtained at harvest. One set of samples is sent to the Alabama Federal-State Inspection Service in Dothan, AL where they are graded. The other set of samples are shelled and used to obtain seed size.

TABLE 1 – MANAGEMENT

Research Center	Wiregrass Research and Extension Center	Gulf Coast Research and Extension Center	E.V. Smith Research and Extension Center – Plant Breeding Unit
Location	Headland	Fairhope	Tallassee
Trial Type	Irrigated Non-Irrigated	Non-Irrigated	Non-Irrigated
Tillage	Conventional	Strip-Till	Conventional
Row Spacing	36 inches	38 inches	36 inches
Soil Type	Dothan Sandy Loam	Malbis Fine Sandy Loam	Kalmia Loamy Sand
Fertilization	600 lbs/acre gypsum 1pt/Acre Max-In Boron – 3X	1000 lb/ac gypsum 245 lb/ac 6-20-30	100 lb/ac 0-0-60
Herbicides	Dual Magnum Sonalan Strongarm Valor	Abound Butyrac Dual Gramoxone Intrepid Edge Strongarm	Cadre Dual Magnum Sonalan Storm Intensity Valor
Insecticides	Dimilin	None	Tundra
Fungicides	Bravo 720 Convoy Elatus	Elatus Initiate	Echo Muscle
Test Conducted By	C. Parker	M. Pegues J. Jones	J. Burkett

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TABLE 2 – HARVEST TIMING

	WREC Non-Irrigated	WREC Irrigated	GCREC	EVSREC
Plant Date	May 7	May 27	May 19	May 24
Dig 1	September 24	October 15	October 13	October 12
Harvest 1	September 27	October 18	October 20	October 19
Dig 2	September 24	October 19	October 13	October 14
Harvest 2	September 27	October 22	October 20	October 19
Dig 3	October 1	October 25	October 13	October 20
Harvest 3	October 4	October 27	October 20	October 25

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	WREC Non-Irrigated	WREC Irrigated	GCREC	EVSREC
May	2.01	2.01	0.51	0.60
June	3.41	3.41	8.62	4.73
July	8.61	8.61	6.63	10.31
August	6.12	6.12	10.27	6.31
September	2.77	2.77	6.70	4.78
October (by last harvest)	0.00	2.73	5.64	3.86
Irrigation	0.00	0.60	0.00	0.00
Season Total	23.75	25.65	38.37	30.61

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SEED SOURCES

TABLE 4 – SEED SOURCE, VARIETY NAME, DIG NUMBER, AND MATURITY

Source	Variety	Dig Number (1-3)
ACI Seeds	ACI-212	2
	ACI-3321	2
	ACI-1041	2
	ACI-1426	2
	ACI-F104	2
Auburn University	AU-NPL-17	2
	AU BARKLEY	2
	AU18-53	1
University of Florida	FloRun 331	1
	TufRunner 297	1
	FloFun T61	1
University of Georgia	Georgia - 06G	1
	Georgia - 07W	1
	Georgia - 09B	1
	Georgia - 12Y	3
	Georgia - 16HO	1
	Georgia - 14N	1
	Georgia - 18RU	1
	Georgia - 20VHO	1
USDA	TifNV-High O/L	2
	TifNV-HG	2
	Tifguard	2
Dr. Jim Todd Dr. Dan Gorbet	ARDG 1	2
	ARDG 2	2
	ARDG 3	2

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PEANUT QUALITY TERMINOLOGY

TABLE 5 – GRADING DEFINITIONS

		Units	Definition
SMK	Sound Mature Kernels	Number of Seed per Pound	Number of sound whole mature kernels from one pound of the shelled sample riding a 15/64 x 1-inch slotted screen or a 16/64 x 3/4-inch slotted screen for Virginia or Runner varieties respectively.
SS	Sound Splits	%	Portion of shelled sample split or broken but not damaged.
TSMK	Total Sound Mature Kernels	%	Portion of the shelled sample comprised of sound mature kernels plus sound splits. Increase in TSMK = Increase in \$
OK	Other Kernels	%	Opposite of SMK. Kernels that pass through a 15/64 x 1-inch slotted screen or a 16/64 x 3/4-inch slotted screen for Virginia or Runner varieties respectively. Lower number of OK = Increase in TSMK
LSK	Loose Shelled Kernels	%	Kernels and parts of kernels which are free from the hull. LSK spoil faster and are more likely to have aflatoxin.
Hulls	Hulls	%	All hulls from the shelled sample. Lower hull weight = higher grade.
DK	Damaged Kernels	%	Kernels that are moldy, decayed, affected by insects or weather conditions resulting in seed coat or cotyledon discoloration or deterioration.

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SEED PER POUND

TABLE 6 – NUMBER OF SEED PER POUND UPON RECEIPT

Variety	Seed per Pound
ACI-1426	982
Georgia - 14N	808
Georgia - 12Y	762
FloRun 331	753
TufRunner 297	713
AU-NPL-17	711
ACI-1041	704
Tifguard	693
TifNV-HG	687
AU18-53	685
FloFun T61	673
Georgia - 16HO	669
ARDG 3	668
Georgia - 09B	657
ARDG 1	656
ACI-F104	646
Georgia - 07W	643
Georgia - 18RU	643
TifNV-High O/L	642
Georgia - 06G	626
ACI-3321	624
Georgia - 20VHO	621
ACI-212	613
AU BARKLEY	595
ARDG 2	498
Average	679
LSD @ 10% level	28
CV	13
Model R-square	0.97

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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**IRRIGATED
WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL**

TABLE 7 – YIELD AND QUALITY

Variety	Yield pounds per acre	TSMK %	OK %	LSK %	Hulls %	DK %	Seed per Pound
AU-NPL-17	5038	68.8	5.3	1.3	22.8	2.3	677
Georgia - 07W	4834	63.0	6.8	0.8	27.8	2.3	640
Tifguard	4751	65.3	5.8	1.8	26.0	2.5	621
ACI-212	4662	62.3	7.8	1.5	27.5	2.3	659
ACI-1426	4644	64.5	6.3	1.3	26.5	1.8	638
Georgia - 16HO	4597	60.3	7.5	1.0	26.5	2.0	617
ACI-3321	4464	66.0	6.5	1.5	25.0	2.8	607
ACI-1041	4357	66.3	6.3	1.3	24.8	2.8	642
ARDG 2	4351	63.5	7.0	1.3	27.3	2.5	657
ARDG 1	4267	64.5	6.5	1.8	25.3	2.3	612
ACI-N104	4267	68.0	5.5	1.8	23.8	2.3	636
ARDG 3	4267	66.5	6.5	2.0	24.5	2.0	652
TifNV-High O/L	4231	65.3	6.3	1.0	25.5	2.5	606
AU BARKLEY	4213	67.0	6.3	1.8	25.0	2.0	625
FloFun T61	4141	62.0	6.8	1.0	28.3	2.5	652
Georgia - 06G	4050	63.0	7.3	1.0	27.8	2.3	664
FloRun 331	4031	65.8	6.5	1.0	25.5	2.5	668
TifNV-HG	3962	66.8	6.3	1.3	24.5	2.8	658
Georgia - 09B	3885	65.0	7.3	1.0	26.3	1.5	662
TufRunner 297	3867	64.8	6.5	1.0	26.0	2.5	676
Georgia - 12Y	3847	67.3	5.8	1.0	24.0	2.8	696
AU18-53	3794	63.3	6.8	0.8	26.5	3.5	645
Georgia - 18RU	3648	65.3	6.3	1.0	25.3	2.5	664
Georgia - 14N	3612	63.0	7.5	0.8	27.5	2.3	647
Georgia - 20VHO	3448	62.0	7.7	0.7	27.3	2.0	671
Average	4209	64.8	6.6	1.2	25.9	2.4	648
LSD @ 10% level	N.S.	3.5	N.S.	0.7	2.7	N.S.	N.S.
CV	19	5	20	52	10	43	7
Model R-square	0.33	0.47	0.30	0.40	0.39	0.28	0.30

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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IRRIGATED WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

TABLE 8 – DISEASE RATINGS

Disease ratings provided by:
Amanda Scherer, Extension Pathologist

Variety	Yield Pounds per Acre	Tomato Spotted Wilt # Infected Plants	Leaf Spot % Defoliation	White Mold # Infected Plants
AU-NPL-17	5038	10	56	0
Georgia - 07W	4834	18	49	0.25
Tifguard	4751	14	76	0
ACI-212	4662	14	63	0
ACI-1426	4644	7	48	0
Georgia - 16HO	4597	14	34	0
ACI-3321	4464	7	56	0
ACI-1041	4357	14	57	0
ARDG 2	4351	19	37	0
ARDG 1	4267	9	55	0.25
ACI-N104	4267	10	51	0
ARDG 3	4267	5	59	0
TifNV-High O/L	4231	13	52	0
AU BARKLEY	4213	18	62	0
FloFun T61	4141	12	27	0
Georgia - 06G	4050	13	52	0.25
FloRun 331	4031	17	58	0.25
TifNV-HG	3962	12	67	0
Georgia - 09B	3885	12	55	0
TufRunner 297	3867	15	23	0.5
Georgia - 12Y	3847	6	66	0
AU18-53	3794	11	59	0.25
Georgia - 18RU	3648	12	55	0.25
Georgia - 14N	3612	9	25	0
Georgia - 20VHO	3448	10	45	0.25
Average	4209	12	51	0.1
LSD @ 10% level	N.S.	N.S.	19	N.S.
CV	19	26	37	320
Model R-square	0.33	0.26	0.48	0.28

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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NON-IRRIGATED WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

TABLE 9 – YIELD AND QUALITY

Grade data was not available for all four replications of each variety. Therefore, the number of replications that make up each variety's grade data has been included.

Variety	Yield pounds per acre	TSMK %	OK %	LSK %	Hulls %	DK %	# Of Reps For Grading	Seed per Pound
Georgia - 12Y	5935	68.0	4.8	1.5	24.5	2.0	4	677
ARDG 2	5914	67.3	4.3	0.5	26.3	1.8	4	506
TifNV-HG	5651	68.7	4.7	0.7	23.7	2.3	3	590
Georgia - 16HO	5475	71.0	5.3	0.7	22.7	1.3	3	728
Georgia - 06G	5388	69.3	6.0	0.7	23.0	1.7	3	645
TifNV-High O/L	5265	67.3	6.3	0.7	25.0	1.0	3	604
TufRunner 297	5230	70.0	5.0	0.5	23.0	2.0	2	619
ARDG 3	5212	67.0	5.8	0.8	25.8	1.3	4	644
FloRun 331	5194	68.0	6.3	1.3	24.3	1.3	3	751
AU-NPL-17	5159	66.5	6.0	0.0	25.5	1.5	2	706
AU BARKLEY	5159	68.0	4.0	1.0	25.5	1.5	2	528
ARDG 1	5124	66.3	6.0	0.8	26.3	1.3	4	668
Georgia - 14N	5107	68.5	6.8	1.0	21.5	1.3	4	774
ACI-1041	4984	68.5	5.5	0.5	25.5	1.0	2	646
AU18-53	4984	70.0	4.5	1.0	23.5	2.0	2	739
FloFun T61	4949	70.0	5.0	1.0	23.0	2.0	1	664
Georgia - 20VHO	4931	71.8	5.3	0.8	21.0	1.3	4	662
ACI-N104	4773	63.3	7.0	0.7	26.7	2.0	3	701
Georgia - 09B	4686	69.3	5.3	1.3	23.0	2.3	4	709
Tifguard	4668	68.3	5.3	0.5	24.3	1.3	4	639
Georgia - 18RU	4457	71.3	5.3	1.0	21.7	1.0	3	700
Georgia - 07W	4440	68.0	5.3	1.0	24.0	2.3	3	705
ACI-212	4352	65.5	6.5	0.0	26.5	1.0	2	631
ACI-1426	.	.	.	.	.	.	.	634
ACI-3321	.	.	.	.	.	.	.	677
Average	5089	68.4	5.5	0.8	24.2	1.6	.	662
LSD @ 10% level	743	.	.	N.S.	.	.	.	58
CV	14	4	20	73	8	51	.	11
Model R-square	0.47	0.62	0.57	0.44	0.87	0.51	.	0.70

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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NON-IRRIGATED WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

TABLE 10 – DISEASE RATINGS

Disease ratings provided by:
Amanda Scherer, Extension Pathologist

Variety	Yield Pounds per Acre	Tomato Spotted Wilt # Infected Plants	Leaf Spot % Defoliation	White Mold # Infected Plants
Georgia - 12Y	5935	5.5	3.3	0
ARDG 2	5914	19.0	5.0	0
TifNV-HG	5651	11.8	8.4	0
Georgia - 16HO	5475	14.0	10.5	0
Georgia - 06G	5388	13.3	7.0	0
TifNV-High O/L	5265	12.8	3.4	0
TufRunner 297	5230	14.8	16.5	0
ARDG 3	5212	4.5	3.7	0
FloRun 331	5194	17.0	13.9	0
AU-NPL-17	5159	9.8	3.4	0.25
AU BARKLEY	5159	17.8	10.4	0
ARDG 1	5124	8.5	4.5	0
Georgia - 14N	5107	9.0	6.2	0
ACI-1041	4984	14.3	2.5	0
AU18-53	4984	10.5	53.2	0
FloFun T61	4949	12.3	17.3	0
Georgia - 20VHO	4931	9.8	3.3	0
ACI-N104	4773	9.8	2.1	0
Georgia - 09B	4686	11.8	10.5	0
Tifguard	4668	14.0	4.2	0
Georgia - 18RU	4457	12.0	2.5	0
Georgia - 07W	4440	17.8	11.8	0
ACI-212	4352	14.3	3.3	0
ACI-1426	.	7.3	2.1	0
ACI-3321	.	7.0	2.1	0
Average	5155	12.0	9.1	0.01
LSD @ 10% level	743	5.1	8.3	N.S.
CV	14	47	143	.
Model R-square	0.47	0.57	0.75	0.27

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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**NON-IRRIGATED
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL**

TABLE 11 – YIELD AND QUALITY

Variety	Yield pounds per acre	TSMK %	OK %	LSK %	Hulls %	DK %	Seed per Pound
Georgia - 12Y	5941	63.3	7.8	0.8	27.0	1.0	814
ARDG 1	5508	61.0	7.8	0.3	29.0	1.5	702
AU-NPL-17	5175	64.0	5.5	0.0	29.0	1.3	694
TufRunner 297	4892	65.8	6.3	0.8	26.5	1.8	658
AU BARKLEY	4826	63.8	5.8	0.5	28.8	1.3	562
ACI-N104	4692	65.0	6.5	0.0	27.3	1.0	751
Georgia - 16HO	4643	66.8	6.0	0.8	26.0	1.3	700
ARDG 3	4643	62.5	7.3	0.3	28.5	1.0	703
TifNV-HG	4593	66.3	5.5	0.8	26.3	1.3	646
Georgia - 20VHO	4593	68.3	6.7	0.7	23.7	1.0	710
Georgia - 18RU	4509	69.0	5.5	1.0	23.8	1.0	721
FloFun T61	4493	63.5	8.5	0.8	26.5	1.0	761
ACI-1041	4443	63.5	6.5	0.5	28.3	1.5	689
ARDG 2	4426	60.8	6.3	0.3	31.3	1.5	591
TifNV-High O/L	4426	63.3	6.8	0.0	28.5	1.3	691
ACI-212	4326	61.0	8.5	0.0	28.8	1.0	734
Georgia - 06G	4127	68.0	5.5	0.8	25.3	1.0	675
Georgia - 09B	4110	66.8	6.3	1.0	25.5	1.0	733
Georgia - 07W	4093	64.5	7.0	0.8	26.8	1.0	754
FloRun 331	4060	62.5	8.3	1.0	28.0	1.0	759
Georgia - 14N	4044	64.8	9.0	0.5	24.8	0.8	866
AU18-53	3960	61.0	8.8	1.0	28.8	1.0	803
ACI-3321	3944	60.8	8.8	0.5	28.8	1.3	743
Tifguard	3877	64.3	7.3	0.0	27.3	0.8	660
ACI-1426	.	61.8	8.5	0.8	28.5	1.0	743
Average	4514	64.3	6.9	0.6	27.2	1.1	713
LSD @ 10% level	784	2.1	1.3	0.5	1.5	0.4	42
CV	17	5	21	97	8	34	10
Model R-square	0.45	0.72	0.62	0.46	0.74	0.38	0.82

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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NON-IRRIGATED GULF COAST RESEARCH AND EXTENSION CENTER FAIRHOPE, AL

TABLE 12 – DISEASE RATINGS

Disease ratings provided by:
Amanda Scherer, Extension Pathologist

Variety	Yield Pounds per Acre	Tomato Spotted Wilt # Infected Plants	Leaf Spot % Defoliation	White Mold # Infected Plants
Georgia - 12Y	5941	0.0	2.5	0.8
ARDG 1	5508	0.5	3.4	0.3
AU-NPL-17	5175	0.5	5.4	1.0
TufRunner 297	4892	3.5	11.8	1.8
AU BARKLEY	4826	1.5	6.2	1.3
ACI-N104	4692	0.8	2.5	0.3
Georgia - 16HO	4643	5.3	6.2	1.0
ARDG 3	4643	0.5	4.2	1.0
TifNV-HG	4593	1.0	5.7	1.3
Georgia - 20VHO	4593	0.8	3.7	0.3
Georgia - 18RU	4509	3.3	3.0	0.8
FloFun T61	4493	2.0	17.3	1.0
ACI-1041	4443	4.0	3.0	0.8
ARDG 2	4426	3.8	3.4	1.0
TifNV-High O/L	4426	2.3	2.1	1.0
ACI-212	4326	2.0	3.4	0.0
Georgia - 06G	4127	5.0	7.0	1.5
Georgia - 09B	4110	2.0	6.2	1.8
Georgia - 07W	4093	5.5	7.0	1.8
FloRun 331	4060	5.3	4.6	0.5
Georgia - 14N	4044	1.5	3.7	0.8
AU18-53	3960	6.0	12.3	0.5
ACI-3321	3944	2.3	4.2	0.8
Tifguard	3877	1.3	2.1	1.0
ACI-1426	.	2.0	2.1	1.8
Average	4514	2.5	5.5	0.9
LSD @ 10% level	784	2.2	2.8	N.S.
CV	17	92	77	114
Model R-square	0.45	0.57	0.77	0.24

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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NON-IRRIGATED
EV SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT
TALLASSEE, AL

TABLE 13 – YIELD AND QUALITY

Variety	Yield pounds per acre	TSMK %	OK %	LSK %	Hulls %	DK %	Seed per Pound
Georgia - 06G	5346	76.0	2.8	0.5	20.8	0.3	652
AU18-53	5098	69.8	5.0	0.8	24.8	0.0	700
ARDG 3	4881	70.8	3.8	0.0	24.8	0.5	668
Georgia - 12Y	4793	69.7	3.8	0.3	24.0	2.0	705
ARDG 1	4627	68.0	4.0	0.5	25.8	1.5	657
TufRunner 297	4595	73.5	3.3	0.8	22.8	0.3	636
AU-NPL-17	4528	71.0	3.8	0.0	24.8	0.3	625
FloRun 331	4330	71.8	4.5	0.8	23.3	0.0	709
ARDG 2	4188	68.5	2.5	0.8	26.8	1.8	478
Georgia - 20VHO	4154	76.5	3.8	0.5	19.5	0.3	682
Georgia - 16HO	4146	73.8	4.0	0.5	21.5	0.3	655
Georgia - 07W	4104	73.3	3.8	0.3	22.5	0.0	733
Georgia - 09B	4095	73.8	3.8	0.8	21.5	0.5	702
FloFun T61	4091	73.3	3.8	0.5	22.0	0.3	705
ACI-1041	3958	70.3	3.5	0.5	25.0	1.0	654
AU BARKLEY	3946	71.0	3.3	0.5	25.8	0.3	536
Georgia - 18RU	3923	75.3	3.5	0.8	20.3	0.5	704
ACI-212	3871	69.8	3.8	0.0	26.0	0.3	616
Tifguard	3791	72.5	3.3	0.0	23.5	0.0	631
ACI-3321	3752	70.0	4.3	0.3	25.0	0.3	630
ACI-N104	3704	71.3	3.5	0.8	24.5	0.0	678
TifNV-High O/L	3407	69.5	4.3	0.3	24.8	0.5	666
Georgia - 14N	3369	72.0	5.3	0.0	22.0	0.3	820
TifNV-HG	3177	71.5	3.5	0.8	23.8	1.3	600
ACI-1426	.	68.8	5.3	0.0	25.3	0.0	944
Average	4161	71.8	3.7	0.4	23.6	0.5	660
LSD @ 10% level	1006	2.0	0.8	0.5	1.2	N.S.	45
CV	23	4	23	118	9	200	14
Model R-square	0.42	0.71	0.59	0.37	0.82	0.35	0.87

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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NON-IRRIGATED
EV SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT
TALLASSEE, AL

TABLE 14 – DISEASE RATINGS

Disease ratings provided by:
Amanda Scherer, Extension Pathologist

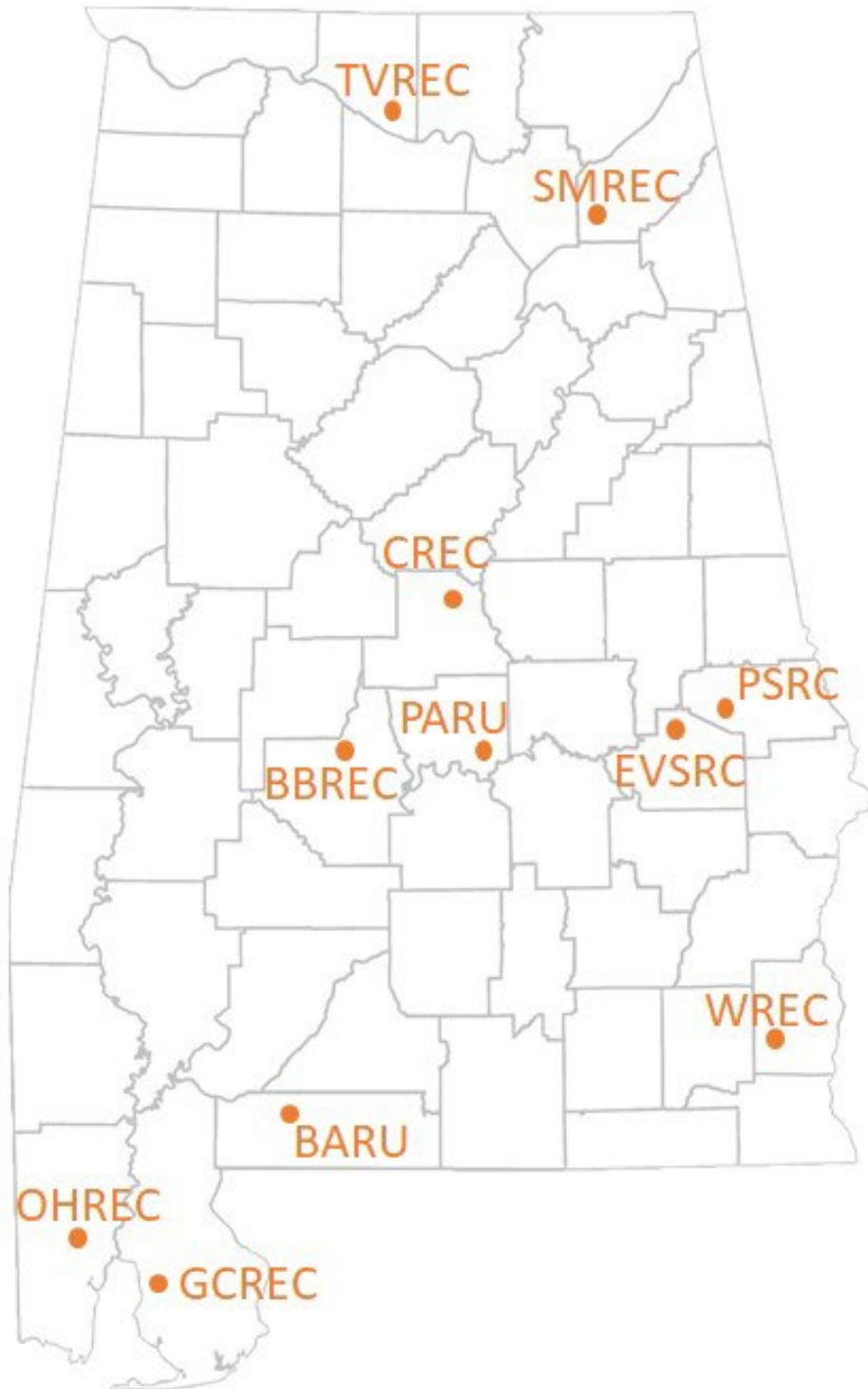
Variety	Yield Pounds per Acre	Tomato Spotted Wilt # Infected Plants	Leaf Spot % Defoliation	White Mold # Infected Plants
Georgia - 06G	5346	0.3	1.48	0
AU18-53	5098	0.0	4.53	0
ARDG 3	4881	0.0	2.53	0
Georgia - 12Y	4793	0.0	2.09	0
ARDG 1	4627	0.0	2.09	0
TufRunner 297	4595	0.5	1.81	0
AU-NPL-17	4528	0.5	2.29	0
FloRun 331	4330	0.3	3.07	0
ARDG 2	4188	0.0	3.75	0
Georgia - 20VHO	4154	0.0	2.29	0
Georgia - 16HO	4146	0.8	1.48	0
Georgia - 07W	4104	0.5	4.73	0
Georgia - 09B	4095	0.8	1.85	0
FloFun T61	4091	0.3	4.53	0
ACI-1041	3958	0.0	2.09	0
AU BARKLEY	3946	0.3	1.81	0
Georgia - 18RU	3923	0.3	2.57	0
ACI-212	3871	0.0	1.61	0
Tifguard	3791	0.3	1.61	0
ACI-3321	3752	0.0	1.24	0
ACI-N104	3704	0.5	2.97	0
TifNV-High O/L	3407	0.0	1.85	0
Georgia - 14N	3369	0.0	1.85	0
TifNV-HG	3177	0.3	1.24	0
ACI-1426	.	0.3	1.00	0
Average	4161	0.2	2.39	0
LSD @ 10% level	1006	N.S.	1.75	N.S.
CV	23	240	71	0
Model R-square	0.42	0.21	0.42	1

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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CONTACT

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