

# PERFORMANCE OF PEANUTS IN ALABAMA, 2018

DEPT. SERIES NO. CSES2018: PEANUT  
HENRY G. JORDAN JR., VARIETY TESTING MANAGER  
CROP, SOIL & ENVIRONMENTAL SCIENCES  
AUBURN UNIVERSITY, AUBURN AL  
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## 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.

## DISCUSSION

The Auburn University Peanut Variety Trial was conducted at the Wiregrass Research and Extension Center in Headland, AL in 2018. The data was distributed to stakeholders following the trial, however, an official variety trial publication was not compiled. In order to preserve this data and make it accessible, an official variety trial publication has now been compiled.

## HOW TO INTERPRET RESULTS

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.

The yields in the tables are accompanied by a column with letters. Any variety whose yield has the same letter is not statistically different though the values may be numerically different.



# ACKNOWLEDGEMENT

DR. PAUL PATTERSON, DEAN AND DIRECTOR  
ALABAMA AGRICULTURAL EXPERIMENT STATION

DR. HENRY FADAMIRO, ASSOCIATE DEAN FOR RESEARCH &  
ASSOCIATE DIRECTOR, ALABAMA AGRICULTURAL EXPERIMENT STATION

GREG PATE, CURRENT (2020)  
DALE MONKS, RETIRED (DIRECTOR IN 2018)  
DIRECTOR OF RESEARCH OPERATIONS FOR OUTLYING UNITS  
ALABAMA AGRICULTURAL EXPERIMENT STATION

DR. JOHN BEASLEY, DEPT. HEAD  
CROP, SOIL & ENVIRONMENTAL SCIENCES

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RAINFALL & IRRIGATION

## SEED SOURCES

## WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

Larry Wells, Director

Brian Gamble, Associate Director 2018

Chris Parker, Associate Director 2020

Kris Balkcom, Assistant Extension Professor

## NON-IRRIGATED

## IRRIGATED

## WEBSITE

## MANAGEMENT

TABLE 1 – MANAGEMENT

Research Center	Wiregrass Research and Extension Center
Location	Headland
Trial Type	Irrigated Non-Irrigated
Plant Date	Irr – May 14 Non – May 7
Row Spacing	36 inches
Number of Replications	4
Plot Length	20
Soil Type	Dothan Sandy Loam
Tillage	Conventional
Fertilization	600 lbs/acre gypsum 1pt/Acre Max-In Boron
Herbicides	Sonalan Strongarm Valor
Insecticides	None
Fungicides	Bravo 720 – 2 applications Elatus - 2 applications Provost Equus 720 – 3 applications
Test Conducted By	L. Wells B. Gamble K. Balkcom C. Parker

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## MANAGEMENT

TABLE 2 – HARVEST TIMING

	Irrigated	Non-Irrigated
<b>Plant Date</b>	5/14	5/7
<b>Dig 1</b>	9/20	9/13
<b>Harvest 1</b>	9/25	9/17
<b>Dig 2</b>	10/5	9/20
<b>Harvest 2</b>	10/8	9/24
<b>Dig 3</b>	10/5	9/28 & 10/5
<b>Harvest 3</b>	10/8	10/4 & 10/8
<b>Dig 4</b>	10/18	10/5
<b>Harvest 4</b>	10/22	10/8

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TABLE 3 – RAINFALL AND IRRIGATION IN INCHES

	Rainfall	Irrigation	Total
<b>May</b>	3.56	0	3.56
<b>June</b>	2.87	0	2.87
<b>July</b>	0.32	2.0	2.32
<b>August</b>	2.24	0	2.24
<b>September</b>	2.01	.75	2.76
<b>October</b>	3.36	0	3.36
<b>Season Total</b>	14.63	2.75	17.38

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## SEED SOURCES

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

Source	Source Location	Variety	Dig
ACI Seeds	Sumner, Georgia	ACI 3321	3
		ACI 789	2
		ACI 1C 212	3
Auburn University	Auburn, Alabama	AU-NPL-17	2
International Peanut Group/Algrano	Brownfield, Texas	IPG QR-14	1
		IPG 914	1
University of Florida	Marianna, Florida	FloRun 107	3
		FloRun 331	3
		Tuf Runner 297	3
		Tuf Runner 511	3
University of Georgia	Tifton, Georgia	Georgia - 06G	2
		Georgia Greener	2
		Georgia - 07W	2
		Georgia - 09B	2
		Georgia - 12Y	4
		Georgia - 13M	3
		Georgia - 14N	3
		Georgia - 16HO	2
USDA	Tifton, Georgia	Tifguard	2
		TifNV-High O/L	2
Dr. Jim Todd	Headland, Alabama	TD-1	4
		TD-3	4

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NON-IRRIGATED  
WIREGRASS RESEARCH AND EXTENSION CENTER  
HEADLAND, AL

TABLE 5 – LOCATION SPECIFIC DATA

Variety	Yield pounds per acre	Letters	Grade	Kernels/LB
Ga 16 HO	<b>7030</b>	A	76/2	658
Ga 09B	<b>6920</b>	AB	77/2	636
Ga 12Y	<b>6820</b>	AB	75/2	713
ACI 3321	<b>6750</b>	ABCD	74/3	650
Ga 06G	<b>6725</b>	ABC	77/3	598
Ga 07W	<b>6635</b>	ABCD	77/2	659
Flo Run 331	<b>6530</b>	ABCD	76/3	678
Tifguard	<b>6460</b>	ABCDE	75/3	612
TUF Runner 511	6390	BCDE	77/2	614
ACI 1C 212	6300	BCDEF	75/3	609
Ga Greener	6190	CDEF	76/4	713
Ga13M	6060	DEFG	76/3	778
Tif NV-High O/L	6050	DEFG	73/2	625
Flo Run 107	6045	DEFG	74/5	772
TUF Runner 297	5880	EFG	76/3	625
Ga 14N	5845	EFG	78/3	737
ACI 789	5710	FGH	72/3	705
TD-3	5505	GH	73/4	736
TD-2	5215	HI	73/4	696
TD-1	5195	HI	76/2	688
IPG QR-14	4675	U	72/4	873
*AU-NPL17	4210	J	68/6	696
Average	6052			

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

**Bolded line** in table indicates test average.

\* AU-NPL17 was replanted on June 7<sup>th</sup> due to a poor initial stand.

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IRRIGATED  
WIREGRASS RESEARCH AND EXTENSION CENTER  
HEADLAND, AL

TABLE 6 – LOCATION SPECIFIC DATA

Variety	Yield pounds per acre	Letters	Grade	Kernels/LB
Ga 16 HO	<b>7170</b>	A	76/3	609
TUF Runner 297	<b>7095</b>	AB	77/2	638
Ga 06G	<b>6935</b>	AB	76/3	598
ACI 3321	<b>6915</b>	AB	73/3	606
Ga Greener	<b>6915</b>	AB	76/2	688
Ga 07W	<b>6845</b>	ABC	77/1	598
Flo Run 331	<b>6665</b>	ABCD	75/3	695
Ga 12Y	<b>6485</b>	ABCDE	72/3	721
TUF Runner 511	<b>6470</b>	ABCDE	77/2	615
ACI 789	<b>6465</b>	ABCDE	73/3	698
Ga 09B	<b>6425</b>	ABCDE	75/3	706
Tif NV-High O/L	6300	BCDEF	74/3	631
Tifguard	6100	CDEFG	76/1	606
ACI 1C 212	6020	DEFG	73/2	601
Ga 14N	5965	DEFGH	77/2	770
Flo Run 107	5855	EFGHI	74/3	737
TD-1	5625	FGHI	72/4	681
Ga13M	5370	GHI	76/3	842
TD-3	5325	GHI	71/5	745
IPG QR-14	5175	HI	72/5	807
IPG 914	5090	I	71/5	704
*AU-NPL17	5070	I	73/3	654
Average	6195			

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

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CONTACT

HENRY JORDAN, VARIETY TESTING MANAGER,  
CROP, SOIL & ENVIRONMENTAL SCIENCES  
275 FUNCHESS HALL, AUBURN UNIVERSITY, 36849  
MOBILE 770-468-0478 • [HENRYJ@AUBURN.EDU](mailto:HENRYJ@AUBURN.EDU)  
AUBURN UNIVERSITY VARIETY TESTING WEBSITE