

Peanut Cultivars: How to Decide Which Ones to Plant

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Cultivar Situation

- There were 15 cultivars planted in 2008 and we can expect 13 or 14 in 2009
- Georgia-06G and Florida-07 performed exceptionally well in 2008, creating a significant demand for both in 2009
- Georgia Foundation Seed program has reduced seed production acres of Georgia Green from 60% in 2007 to 40% in 2008
- Therefore, approximately 40% of planted acres in 2009 will be in Georgia Green

Georgia Crop Improvement Assoc. 2008 Certified Acres

Cultivar	Found. + Reg. + Certified	
Georgia Green	46,901.8	39.9%
Georgia-03L	19,608.0	62,888.4 53.5%
Georgia-02C	12,269.5	
Florida-07	10,994.8	
Georgia-06G	9,938.0	
AT 3085RO	7,075.7	
Tifguard	3,002.4	
C-99R	1,973.0	
York	1,716.7	
AT 215	1,550.0	
Georgia Greener	1,142.0	
Georgia-07W	559.5	
McCloud	492.0	
AP-3	269.0	
TOTAL	117,600.3	

Cultivars Available in 2009

Birdsong	Golden	McCleskey
<i>Georgia Green</i>	<i>Georgia Green</i>	<i>Georgia Green</i>
<i>Georgia-02C</i>	<i>Georgia-02C</i>	<i>Georgia-02C</i>
<i>Georgia-03L</i>	<i>Georgia-03L</i>	<i>Georgia-03L</i>
<i>Georgia-06G</i>	<i>Georgia-06G</i>	<i>Georgia-06G</i>
<i>Florida-07</i>	<i>Florida-07</i>	<i>Florida-07</i>
<i>Tifguard</i>	<i>Tifguard</i>	<i>Tifguard</i>
<i>York</i>	<i>York</i>	
	<i>Georgia Greener</i>	<i>Georgia Greener</i>
	<i>AT 215</i>	<i>AT 215</i>
	<i>AT 3085RO</i>	
<i>AP-3</i>		
<i>AP-4</i>		
		<i>Georgia-07W</i>

Cultivars that will have a Reduction in Acreage in 2009?

- Georgia Green
- Georgia-03L
- AT 3085RO
- AT 215
- AP-3 - being phased out
- McCloud
- York
- C-99R - being dropped

Maturity Similar to Georgia Green

- **Georgia Green** - still the standard for comparisons
- **Georgia-03L** - will probably be phased out
- **Georgia-06G** - has performed extremely well, very good grades
- **Georgia Greener** - very limited seed
- **Tifguard** - excellent root-knot nematode resistance
- **AT 3085RO** - good yield, seed supply will probably be reduced
- **AP-4** - limited seed, is targeted to replace AP-3

Mid-Late Maturing Cultivars

- **Florida-07** - Very good yield potential, average grades
- **Georgia-07W** - first look in 2008, very limited seed supply in 2009
- **AP-3** - grades are a problem, will be slowly phased out
- **McCloud** - has performed very well for some producers, very limited seed supply

Late Maturing Cultivars

- **Georgia-02C** - good CBR resistance
- **York** - limited supply in 2009
- **C-99R** - being phased out

Early Maturing Cultivars

- **AT 215** - 2-3 weeks earlier than Georgia Green. Works well when planted late. Performed poorly when planted early. Limited seed. Best option for planting behind wheat in June

Cultivar Comparisons

Variety	Maturity (135-140 DAP)	Peanut Rx Risk Index				High Oleic (Yes or No)
		TSWV	Leaf Spot	White Mold	Limb Rot	
AT 215	10-14 (-)	30	NA	NA	NA	Yes
Georgia Green	0	30	20	25	15	No
Georgia-03L	0	15	15	10	20	No
Georgia-06G	0	10	20	20	NA	No
Tifguard	0	10	15	10	NA	No
AT 3085RO	0	15	30	25	NA	Yes
AP-4	0	20	20	15	NA	No
Georgia Greener	0	15	20	25	NA	No
AP-3	0-7 (+)	10	25	10	25	No
McCloud	0-7 (+)	20	25	20	NA	Yes
Florida-07	7 (+)	10	20	15	NA	Yes
Georgia-07W	7 (+)	10	15	10	NA	No
York	14-21 (+)	10	10	5	NA	Yes
Georgia-02C	21 (+)	15	20	10	20	Yes

Cultivars with the High Oleic Trait

- Georgia-02C
 - AT 215
 - AT 3085RO
 - Florida-07
 - McCloud
 - York
- ✓ IT IS ILLEGAL TO SAVE SEED OF THESE CULTIVARS!!!

Cultivar Recommendations

Non-Irrigated Production

- **Georgia Green** - has smaller seed and pod size, less leaf area, and smaller canopy. USDA research indicates Georgia Green has a lower water requirement than other cultivars.
- **Georgia-02C** - has a maturity range of 2-3 weeks longer than Georgia Green, thereby, giving it more "opportunities" to compensate for drought periods during the season.
- **York** - has small seed size like Georgia Green and late maturity like Georgia-02C.

Cultivar Recommendations

Planting Early


- If planting in mid to late April it is recommended to plant one of the cultivars with the higher levels of resistance to tomato spotted wilt virus. These would include: **AP-3, Georgia-06G, Florida-07, Tifguard, York, and Georgia-07W** (all 10 point cultivars in *Peanut Rx*).
- The next best options would be **AT 3085RO, Georgia-03L, Georgia-02C, and Georgia Greener** (all 15 point cultivars in *Peanut Rx*).

Cultivar Recommendations

Planting Late due to Grain Harvest or Weather


- If forced to plant in late May or in June it is recommended to plant one of the early maturing cultivars. Currently, we have only one, **AT 215**.
- The next best options would be **Georgia Green, AT 3085RO, AP-4, Georgia-06G**.
- If forced to plant in June, **AVOID** planting mid-late and late maturing cultivars. These include: **Georgia-02C, York, C-99R, Florida-07, McCloud, AP-3, and Georgia-07W**.

Cultivar Recommendations

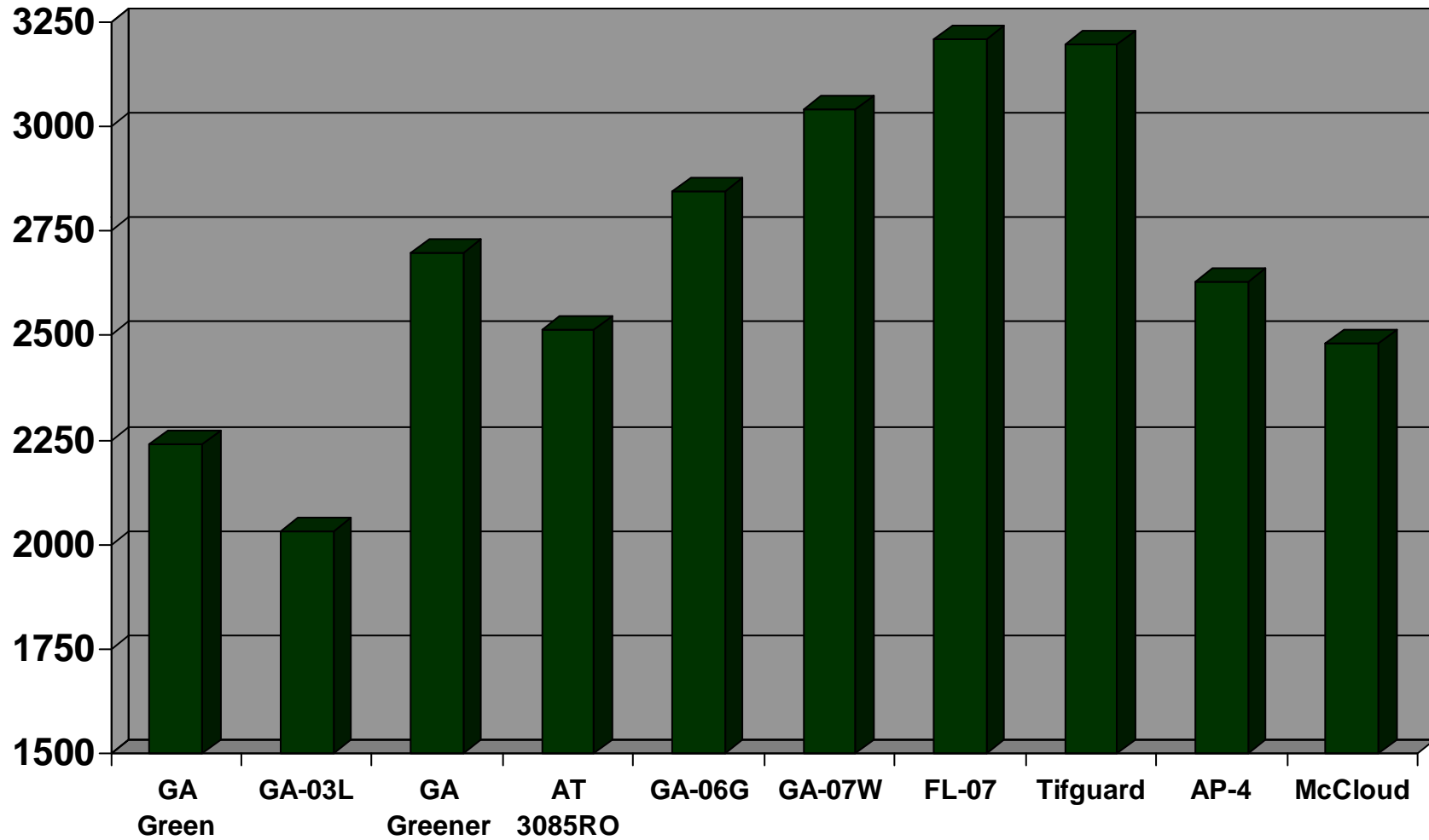
 If you have fields with a history of the following disease problems, the following cultivars are recommended based on their level of resistance to that disease problem

- ✓ **White Mold** - York (5 points) and AP-3, Tifguard, Georgia-02C, Georgia-03L, or Georgia-07W (10 points)
- ✓ **Rhizoctonia limb rot** - Georgia Green
- ✓ **Peanut root-knot nematode** - Tifguard
- ✓ **CBR** - Georgia-02C and Tifguard

Cultivar Recommendations


 The following cultivars are more **susceptible** to leaf spots and it is recommended that producers remain on a firm fungicide application program if these are planted in your fields: **AT 3085RO, AP-3, and McCloud**

Decatur County Cultivar Trial 2008 - Davis Farm



7 years of continuous peanut

Cultivar Recommendations

 The following cultivars have a large seed size for a runner-type peanut and it is recommended that producers monitor pegging zone calcium levels closely if these are planted in your fields: Florida-07, Tifguard, Georgia-06G, C-99R, AP-3, and Georgia-03L

Cultivar Recommendations

- 🥜 Use the UGA Statewide Variety Trial data for yield and grade comparisons (www.swvt.uga.edu)
- 🥜 Determine what each field's potential problems may, or may not be.
- 🥜 Use *Peanut Rx* to help in making cultivar decisions, especially for comparing disease resistance.
- 🥜 Be sure you know the maturity range and seed size of the cultivars you plant.
- 🥜 It might be in your best interest to plant more than one cultivar on your acreage.
- 🥜 Talk with your County Extension Agent!

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