



# ACI 351



With over 3000 breeding lines in 8 different environments around the globe, ACI is an international peanut seed variety development company whose mission is to develop high oleic peanut varieties that meet the needs of growers, shellers & manufacturers.

## Type

*ACI 351* is a new, high oleic Virginia-type peanut variety developed in the high plains of Texas, USA. The high oleic oil chemistry increases the shelf stability of peanut products and peanut oil by up to 14 times greater than standard oleic peanuts. The oil chemistry is nearly identical to olive oil and has similar health benefits.

## Growth Habit

*ACI 351* is a medium growth habit Virginia peanut with medium green with a moderately dense canopy. Excellent germination and early vigor are associated with this variety in addition to early row closure promoting moisture conservation and a reduction of weed competition.

## Seed / Pod Characteristics

*ACI 351* produces a high percentage of jumbo pods and kernels. *ACI 351* has a pink seed coat color with elongated cylindrical kernels. The seed count per pound averages 425.

## Disease Resistance\*

*ACI 351* has shown moderate resistance to tomato spotted wilt virus (TSWV) and to Late Leaf Spot

## Maturity / Harvesting

*ACI 351* is a full season Virginia variety that matures around 145 days in Georgia.

## Yield

ACI trials and grower production have shown that *ACI 351* produces yields of **5500 lb/acre** and can be over 6000 lbs/acre, when grown under optimum conditions.

Variety	2012 Yoakum Co. Tx	2013 Yoakum Co. Tx	2014 Yoakum Co. Tx	Three year average
<b>ACI 351</b>	<b>5476</b>	<b>5798</b>	<b>6570</b>	<b>5948</b>
Gregory	5212	5387	6008	5536
FL Fancy	4408	4901	5761	5023

## Grades\*\*

2012 Yoakum Co. TX	+37/64	-37/64 +34/64	-34/64
Variety	% Jumbo	% Fancy	% Other Pods
<b>ACI 351</b>	<b>72.8</b>	<b>26.6</b>	<b>0.6</b>
Gregory	62.3	35.5	2.2
FL Fancy	22.5	66.3	11.2

Variety	% Shell Out	% Jumbos	% Mediums	% 1s
<b>ACI 351</b>	<b>75</b>	<b>56</b>	<b>15</b>	<b>4</b>

<i>Bailey</i>	72	49	19	4
<i>Jupiter</i>	71	45	22	4

\*\* The table above illustrates comparative grades (%) against other Virginia varieties but results will vary considerably with management and seasonal conditions.

### **Planning to Grow *ACI 351*...**

This variety was selected and advanced for maximum yields and large bright hulls with broad adaptability and excellent flavor characteristics. *ACI 351* is a large seeded high oleic Virginia peanut.

