



ACI N104



Georgia breeding nursery and replicated variety trials near Sumner, Georgia

ACI N104 is a large seeded high oleic runner peanut

Type

ACI N104 is a new multiple disease resistant, nematode resistant, high-yielding, high oleic runner-type peanut variety developed by AgResearch Consultants, Inc. 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 N104 is a medium growth habit runner peanut with a medium green 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 N104 produces a high percentage of jumbo kernels. **ACI N104** has a tan seed coat color with elongated cylindrical kernels. The 2021 crop produced seed count per pound averaging 725.

Yield ACI trials and grower production have shown that *ACI N104* produces yields of 5500 lb/acre and can be over 6500 lb/acre, when grown under optimum conditions.

Disease Resistance*

ACI N104 has shown excellent resistance to near immunity to Peanut Root Knot Nematode, *Meloidogyne arenaria*. It also has excellent resistance to White Mold (*Sclerotium rolfsii*) and very good resistance to Tomato Spotted Wilt Virus (TSWV), Late Leaf Spot and *Sclerotinia*.

Maturity / Harvesting

ACI N104 is a full season maturing runner variety that matures around 150 days in West Texas. It has good peg strength which helps reduce field loss during digging operation.

Grades and Yield in West Texas Variety Trial

Variety	% Shell Out	% Jumbos	% Mediums	% 1s	lb/acre
<i>ACI N104</i>	80	55	20	3.3	5489
<i>Georgia-06G</i>	76	55	18	1.4	5155
<i>ACI 789</i>	77	49	22.7	1	5012

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

Planning to Grow *ACI N104*...

This variety was selected and advanced for maximum yields, multiple disease resistance, with broad adaptability and excellent flavor characteristics.

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