

Some Quick Peanut Numbers

S. C. Production	2010: ~ 114,000 tons (~ 65,000 acres, 3,500 lb/ac); 23 of 46 counties produce peanuts. Approx. \$57 million crop value @ \$ 500 per ton. ~ 75-80 % virginia type, 20-25 % runners
Seeding	Rate: 5-6 row ft; ~ 100-125 lb/ac runners; ~ 125-145 lb/ac virginias Depth: 1.5 - 2" recommended; up to 3" if necessary to plant into moisture. Date: 5-25 May optimum planting window.
Fertility	pH 5.8-6.4 Nitrogen: Get a liquid in-furrow inoculant stream applied directly to the bottom of the furrow in good soil moisture. Phosphorus: Applying 80 lb P ₂ O ₅ /ac at soil test <11 lb/ac or 40 lb at soil test < 20 lb/ac is sufficient for peanut, but maintain P and K levels in rotational crops. Potassium: none needed above 45 lb/ac soil test; apply 40 lb K ₂ O at 36-45 lb/ac soil test; apply 80 lb at 25-35; apply 100 lb at < 25 lb/ac soil test. Calcium: apply 1500 lb gypsum (300 lb Ca) at first bloom. Manganese: At pH 6.0 Mn soil test sufficiency is 8 lb/ac. Required soil sufficiency level increases 1 lb/ac for every 0.1 increase in pH. Apply 0.5 lb Mn (2-2.5lb manganese sulfate or Tecmangam) at 60 <u>and</u> 75 DAP or when deficiency occurs. Boron: soil sufficiency 0.5 lb; apply 0.3-0.5 lb B (1.5-2.5 lb Solubor) foliar total. Max. seasonal foliar total of 0.5 lb B. Zinc: Prevent toxicity. If soil test Zn is 6-10 lb, lime to pH 6.2; at 11-20 soil test Zn, lime to pH 6.4; at 21-30 soil test Zn, lime to pH 6.5.
Yield and Yield Loss (38" rows)	2 tons ~ 100 pods / row ft (runner) 2 tons ~ 66 pods / row ft (virginia) runner 1 pod / row ft ~ 40 lb/ac loss virginia 1 pod / row ft ~ 60 lb/ac loss
Row ft / ac	13,756 (38"); 14,520 (36"); 17,424 (30")
Fungicide Timing	Begin leaf spot control no later than 45 DAP. Apply leaf spot + white mold control at 60, 75, 90, 105 DAP (see fungicide programs).
Harvest Maturity	virginias: 70 % pod color (orange + brown + black); 20-30 % brown + black; 1-2% coal black; 132 -135 days for medium maturity varieties. runners: 70-75 % pod color (orange + brown + black); 30-40 % brown + black; 5% coal black; 140 days for medium maturity varieties.
Grade	TSMK (total sound mature kernels): Every 1 % increase in TSMK is worth about \$5/ton (or \$10/ac on two-ton peanuts). ELK (extra large kernels): A variety with 10% greater ELK is worth only about \$3.60 more per ton (or \$7.20/ac more on two-ton peanuts). LSK (loose shelled kernels): Each percent LSK reduces value by \$2.20 (\$4.40/ac loss on two-ton peanuts). Foreign matter: No penalty up to 4% foreign matter; -\$1 per ton at 5%; - \$6 per ton at 10% FM. Plus cleaning fee. DK (damaged kernels): Severe penalty when total damaged kernels reach 2.5%; value drops to 35% of loan or ~ \$125/ton. Fancy pods: Meaningless to grower; no reward or penalty for pod size.
Bulk Density	in-shell 17-24 lb/ft ³ ; shelled 43 lb/ ft ³
Weight / Bu.	35 – 40 lb / bu (green); 20 lb/bu (dry virginia type); 22 lb/bu (dry runner type)