### SOME QUICK PEANUT NUMBERS

| S. C. production  
(2018) | ~143,500 tons (~85,000 acres, 3,500 lb/A); 26 of 46 counties produce peanuts commercially. Approx. $64.6 million crop value @ $450 per ton. 
~60% runners, 40% Virginia type. |
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| **Seeding** | **Rate:** 5 – 6/row ft; ~100 – 125 lb/A runners; ~125 – 150 lb/A 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. No response to foliar supplements.  
**Phosphorus:** 80 lb P₂O₅/A at soil test < 11 lb/A or 40 lb at soil test < 20 lb/A is sufficient for peanut, but **maintain P and K levels in rotational crops.**  
**Potassium:** very conservative recommendations: none needed above 60 lb/A soil test (Melich 1); apply 40 lb K₂O at 41 – 60 lb/A soil test; apply 80 lb at 30 – 40 lb/A soil test; apply 100 lb at < 30 lb/A 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/A. Required soil sufficiency level increases 1 lb/A for every 0.1 increase in pH. Apply 0.5 lb Mn (2 – 2.5 lb manganese sulfate or Tecmangam) at 60 and 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. Maximum 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 general yield loss (38” rows)** | 2 tons ~100 pods/row ft (runner). Runner loss of 1 pod/row ft = ~40 lb/A loss  
2 tons ~66 pods/row ft (Virginia). Virginia loss of 1 pod/row ft = ~60 lb/A loss |
| **Row ft/A** | 13,756 (38”); 14,520 (36”); 17,424 (30”) |
| **Fungicide timing** | Begin leaf spot control no later than 45 DAP (30 better). Apply leaf spot + white mold control at 60, 75, 90, 105 (120 also) DAP (see fungicide programs). |
| **Harvest maturity** | Virginias: 70% pod color (orange + brown + black); 30% brown + black; 1 – 2% coal black; 132 – 135 days for medium maturity varieties.  
Runners: 75 – 80% pod color (orange + brown + black); 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/A 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).  
FM (foreign matter): No penalty up to 4% FM; -$1/ton at 5%; -$6/ton at 10% FM. Plus cleaning fee.  
DK (damaged kernels): Severe penalty when total damaged kernels reach 3.5%; 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/ft³; shelled: 43 lb/ft³ |
| **Weight/Bu.** | 35 – 40 lb/bu (green); 20 lb/bu (dry Virginia type); 22 lb/bu (dry runner type) |