

## Strawberries-Plasticulture (Code #130)

Soil Test Rating	Potassium			
	Low K	Medium K	High K	Very High K
	Coast: 0-70 lbs/A Pied: 0-120 lbs/A	Coast: 71-170 lbs/A Pied: 121-250 lbs/A	Coast: 171-275 lbs/A Pied: 251-400 lbs/A	Coast: 275+ lbs/A Pied: 400+ lbs/A
Phosphorus	<i>Recommended Pounds N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O per Acre</i>			
<b>Low P</b>  Coast: 0-30 lbs/A Pied: 0-20 lbs/A	*-120-130	*-120-70	*-120-0	*-120-0
<b>Medium P</b>  Coast: 31-60 lbs/A Pied: 21-40 lbs/A	*-90-130	*-90-70	*-90-0	*-90-0
<b>High P</b>  Coast: 61-100 lbs/A Pied: 41-75 lbs/A	*-60-130	*-60-70	*-60-0	*-60-0
<b>Very High P</b>  Coast: 100+ lbs/A Pied: 75+ lbs/A	*-0-130	*-0-70	*-0-0	*-0-0

Coast = Coastal Plain    Pied = Piedmont, Mountain, and Limestone Valley

### Recommendations:

Recommended pH:	6.0 to 6.5. If the pH is less than 6.0, see Lime Table B.								
Magnesium:	If soil test Mg level is low and lime is recommended, use dolomitic limestone. <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Coastal Plain</td> <td>Low: 0 - 60 lbs/acre</td> <td>Medium: 61 - 120 lbs/acre</td> <td>High: &gt;120 lbs/acre</td> </tr> <tr> <td>Piedmont</td> <td>Low: 0 - 120 lbs/acre</td> <td>Medium: 121 - 240 lbs/acre</td> <td>High: &gt;240 lbs/acre</td> </tr> </table>	Coastal Plain	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre	Piedmont	Low: 0 - 120 lbs/acre	Medium: 121 - 240 lbs/acre	High: >240 lbs/acre
Coastal Plain	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre						
Piedmont	Low: 0 - 120 lbs/acre	Medium: 121 - 240 lbs/acre	High: >240 lbs/acre						
Boron:	Apply 0.5 pound of boron (B) per acre in the preplant fertilizer.								
Sulfur:	Apply 12 pounds sulfur (S) per acre on coarse textured soils (sands, loamy sands, sandy loams).								

## **Fact Sheet:**

### **Nitrogen**

#### **Coarse Textured Soils (sands, loamy sands, sandy loams):**

Apply a total of 110-120 pounds nitrogen(N) per acre. Higher rate of N can affect fruit quality. Broadcast 60 pounds nitrogen in the fall prior to bedding. Apply 50-60 pounds nitrogen in the spring through the drip system. Begin applications when vigorous spring growth begins. This is usually early in mid-February in south Georgia and several weeks later in middle Georgia. Apply at a rate equivalent to 0.60 pounds nitrogen per acre per day throughout the flowering and fruiting season. The nitrogen can be injected daily, weekly, or bi-weekly. On very coarse sands daily or weekly is preferable. Nitrogen can be supplied through the drip system using either nitrogen solutions or calcium nitrate (CaNO<sub>3</sub>).

#### **Heavy Textured Soils (sandy clay loams or heavier):**

Apply a total of 80-90 pounds nitrogen per acre. Broadcast 40 pounds nitrogen in the fall prior to bedding. Apply 40-50 pounds nitrogen in the spring through the drip system. Begin applications when vigorous spring growth begins. This is early to mid-February in south Georgia and several weeks later in middle Georgia. Apply at a rate equivalent to 0.50 pounds nitrogen per acre per day throughout the flowering and fruiting season. The nitrogen can be injected daily, weekly, or bi-weekly. Nitrogen can be supplied through the drip system using either nitrogen solutions or calcium nitrate (CaNO<sub>3</sub>).

### **Phosphorus and Potassium**

All of the phosphorus(P<sub>2</sub>O<sub>5</sub>) and potassium (K<sub>2</sub>O) should be applied in the fall prior to bedding. If a spring application of phosphorus is made apply in one application and limit the application rate to 10 to 15 pounds P<sub>2</sub>O<sub>5</sub> per acre. Recent research shows that all the potassium (K<sub>2</sub>O) can be applied preplant. If additional potassium is needed it can be injected into the drip system.

### **Boron**

Do not exceed 0.5 pounds boron(B) in the preplant fertilizer application. Base any spring applied boron through the drip system or foliar sprays on leaf analysis.

### **Sulfur**

Sulfur(S) is recommended on sands, loamy sands and sandy loams. Apply 12 pounds of sulfur per acre in the preplant fertilizer or 1 pound sulfur per acre per week for 12 weeks through the drip system. Nitrogen-Sulfur solutions or magnesium sulfate can be used to supply the sulfur.

### **Plant Analysis**

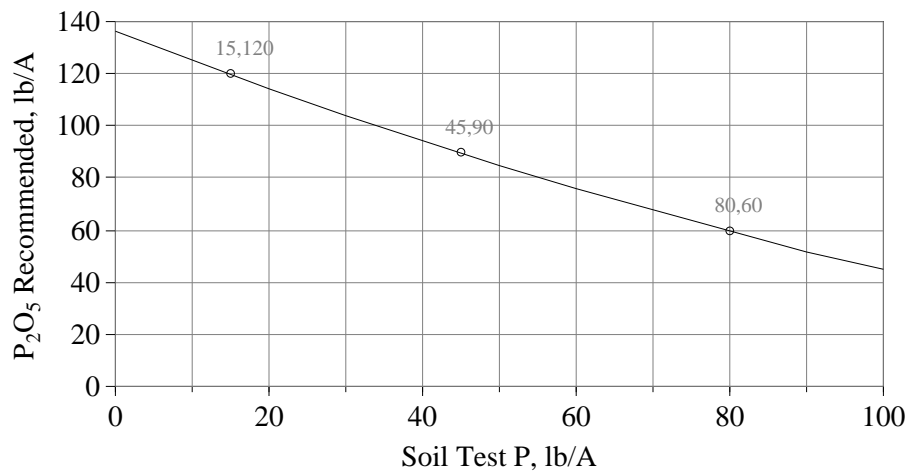
Plants should be monitored throughout the season using plant analysis. Check with your County Agent for sampling procedures.

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IV - 20B

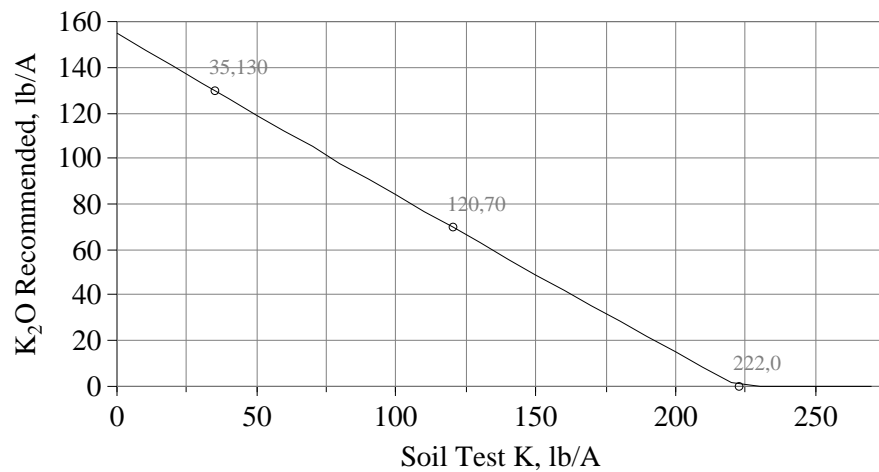
P Recommendations, Coastal Plain

$$P_2O_5 = 136 - 1.132P + 0.00220P^2$$



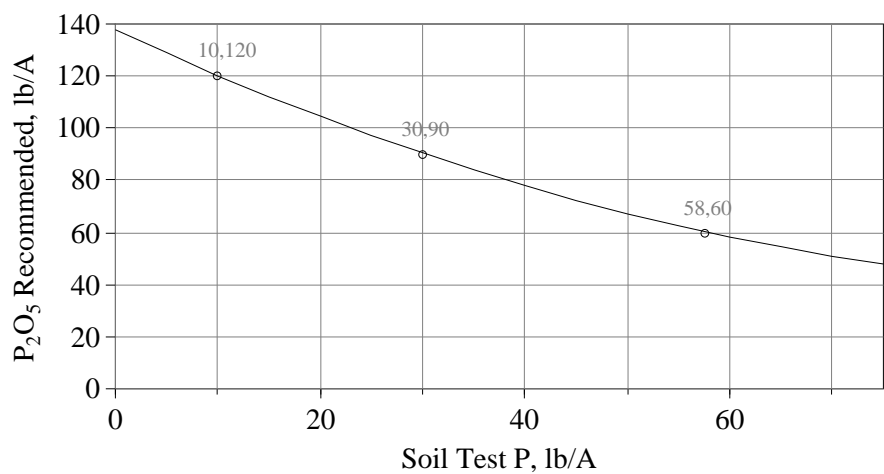
K Recommendations, Coastal Plain

$$K_2O = 155 - 0.724K + 0.00012K^2$$



P Recommendations, Piedmont

$$P_2O_5 = 138 - 1.844P + 0.00861P^2$$



K Recommendations, Piedmont

$$K_2O = 158 - 0.460K - 0.00008K^2$$

