

Pepper (Bell and Pimento) (Code #175)

| 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-P₂O₅-K₂O per Acre</i> | | | |
| Low P Coast: 0-30 lbs/A Pied: 0-20 lbs/A | *-120-120 | *-120-90 | *-120-60 | *-120-45 |
| Medium P Coast: 31-60 lbs/A Pied: 21-40 lbs/A | *-80-120 | *-80-90 | *-80-60 | *-80-45 |
| High P Coast: 61-100 lbs/A Pied: 41-75 lbs/A | *-40-120 | *-40-90 | *-40-60 | *-40-45 |
| Very High P Coast: 100+ lbs/A Pied: 75+ lbs/A | *-0-120 | *-0-90 | *-0-60 | *-0-45 |

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

Recommendations:

| | | | | | | | | | |
|-----------------|---|----------------------------|----------------------|---------------------------|---------------------|----------|-----------------------|----------------------------|---------------------|
| Recommended pH: | 6.3 to 6.8. If the pH is less than 6.3, see Lime Table B. | | | | | | | | |
| Nitrogen: | Coastal Plain 150-200 pounds nitrogen (N) per acre. Piedmont, Mountain, Limestone Valley 100-150 pounds nitrogen (N) per acre. | | | | | | | | |
| Magnesium: | If soil test Mg level is low and lime is recommended, use dolomitic limestone; if soil test Mg is low and lime is not recommended, apply 25 pounds of Mg/Acre. <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: >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: >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 | | | | | | |
| Zinc: | If the Zn soil test level is low, apply 5 pounds of zinc per acre. | | | | | | | | |
| Sulfur: | Apply 10 pounds of sulfur (S) per acre. | | | | | | | | |
| Boron: | Apply 1 pound of boron (B) per acre. | | | | | | | | |
| Calcium: | If soil test calcium is less than 800 pounds/acre and pH is 6.5 or greater, apply 1,000 pounds gypsum per acre. | | | | | | | | |

Fact Sheet:

Approximately one-third to one-half of the recommended rate of nitrogen (N) should be applied after fruit set as follows:

Sidedress with 25 pounds nitrogen per acre when first fruits are the size of a quarter. Three weeks later, sidedress with an additional 25 pounds nitrogen per acre.

Nitrogen rates will vary depending on rainfall, soil type, irrigation, plant population and method and timing of applications.

For transplants, apply a starter solution using 3 pounds of 10-34-0 per 50 gallons of water.

For early growth stimulation apply a pop-up fertilizer using 100 to 150 pounds of 10-34-0 or similar material per acre. Apply the fertilizer 2 to 3 inches to the side of the seeds or plants and 2 to 3 inches below the seeds or roots.

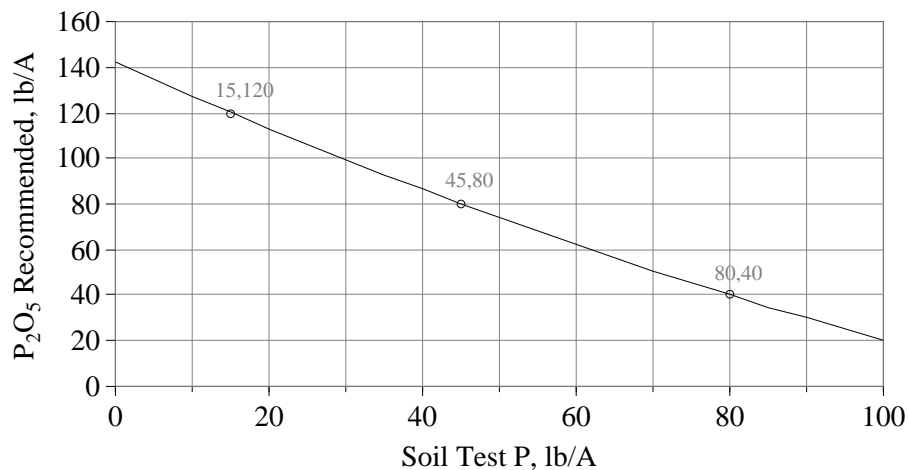
Sulfate of potash magnesia may be used to supply a portion of the recommended potash (K_2O) and to also supply magnesium (Mg) and sulfur (S).

For more efficient use of fertilizer split the applications, applying one-third to one-half down (banded or incorporated in the bed) and the remainder in 1 to 3 applications. If the fertilizer is broadcast, increase the application rates of phosphate (P_2O_5) and potash (K_2O) 1½ to 2 times.

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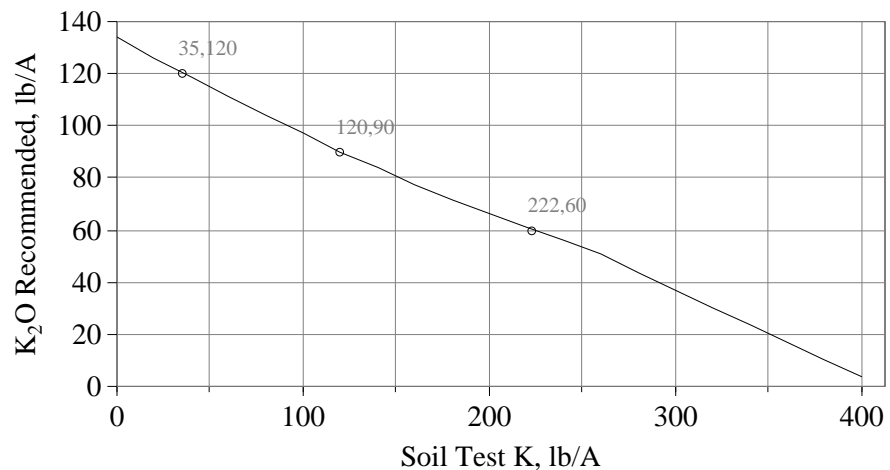
P Recommendations, Coastal Plain

$$P_2O_5 = 142 - 1.509P + 0.00293P^2$$



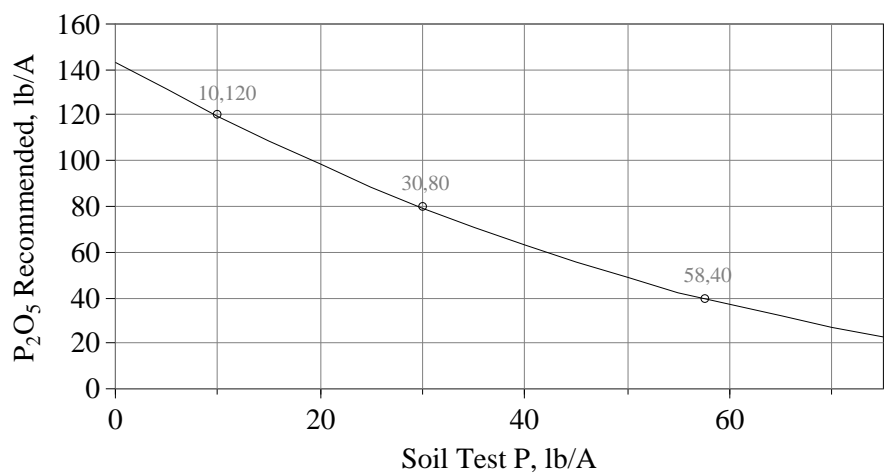
K Recommendations, Coastal Plain

$$\begin{aligned} \text{if } (K < 275) \text{ K}_2\text{O} &= 134 - 0.403K + 0.00032K^2 \\ \text{if } (K \geq 275) \text{ K}_2\text{O} &= 136 - 0.33K \end{aligned}$$



P Recommendations, Piedmont

$$P_2O_5 = 143 - 2.459P + 0.01148P^2$$



K Recommendations, Piedmont

$$\begin{aligned} \text{if } (K < 400) \text{ K}_2\text{O} &= 136 - 0.265K + 0.00010K^2 \\ \text{if } (K \geq 400) \text{ K}_2\text{O} &= 138 - 0.23K \end{aligned}$$

