

**Fall Deer - Alfalfa (Code #W09)**

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	0-160-200	0-160-125	0-160-60	0-160-0
<b>Medium P</b> Coast: 31-60 lbs/A Pied: 21-40 lbs/A	0-120-200	0-120-125	0-120-60	0-120-0
<b>High P</b> Coast: 61-100 lbs/A Pied: 41-75 lbs/A	0-50-200	0-50-125	0-50-60	0-50-0
<b>Very High P</b> Coast: 100+ lbs/A Pied: 75+ lbs/A	0-0-200	0-0-125	0-0-60	0-0-0

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

**Recommendations:**

Recommended pH:	6.5 to 7.0. If the pH is less than 6.5, see Lime Table A.								
Nitrogen:	0 pounds nitrogen (N) per acre								
Magnesium:	If soil test Mg level is low and lime is recommended, use dolomitic limestone.								
	<table border="1"> <tr> <td>Coastal Plain</td> <td>Low: 0 - 30 lbs/acre</td> <td>Medium: 31 - 60 lbs/acre</td> <td>High: &gt;60 lbs/acre</td> </tr> <tr> <td>Piedmont</td> <td>Low: 0 - 60 lbs/acre</td> <td>Medium: 61 - 120 lbs/acre</td> <td>High: &gt;120 lbs/acre</td> </tr> </table>	Coastal Plain	Low: 0 - 30 lbs/acre	Medium: 31 - 60 lbs/acre	High: >60 lbs/acre	Piedmont	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre
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**Fact Sheet:**

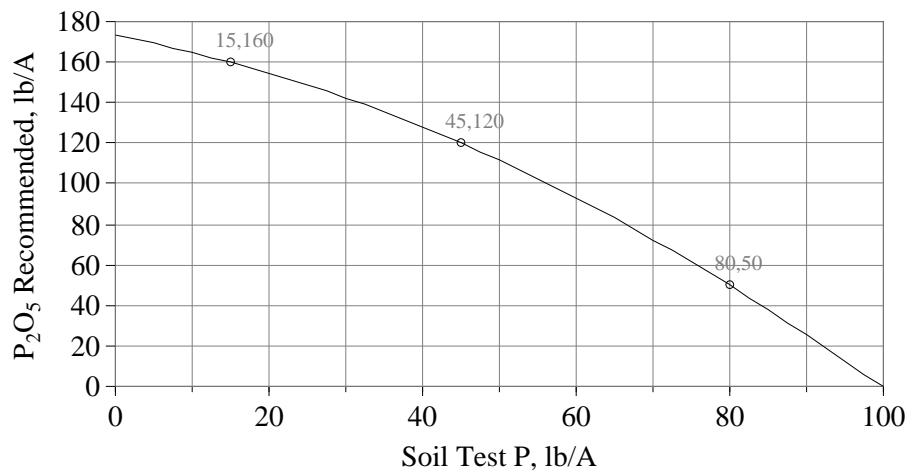
When establishing alfalfa: Per 60 pounds of seed, apply 1/4 ounce of molybdenum (2/3 ounce of sodium molybdate) in just enough water to slightly moisten the seed. (CAUTION: DO NOT EXCEED THE RECOMMENDED AMOUNT OF MOLYBDENUM.)

**For maintenance**, apply 3 pounds of boron (B) per acre annually. Apply 3 ounces of molybdenum (Mo) (8 ounces of sodium molybdate) in 25 gallons of water per acre every two years. Apply the foliar application of Mo in late winter or in spring before new shoots reach 2 to 3 inches in height. To extend the life of alfalfa stands, apply half of the potash (K<sub>2</sub>O) in spring and half in late summer.

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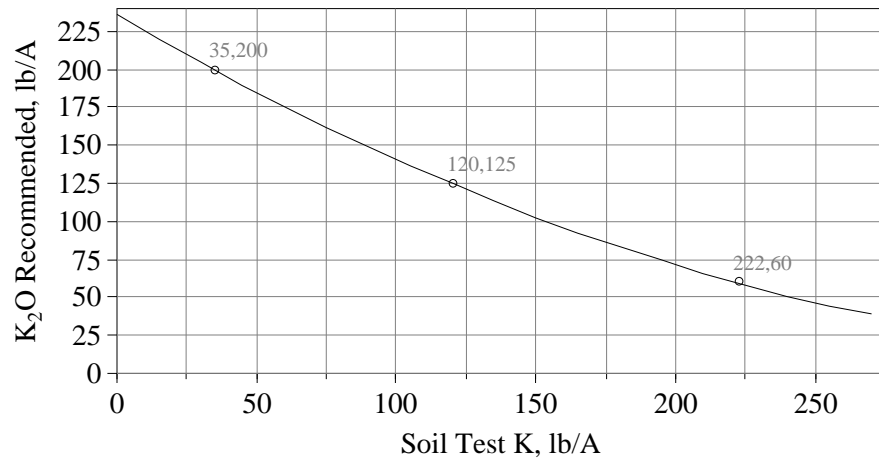
P Recommendations, Coastal Plain

$$P_2O_5 = 173 - 0.718P - 0.01026P^2$$



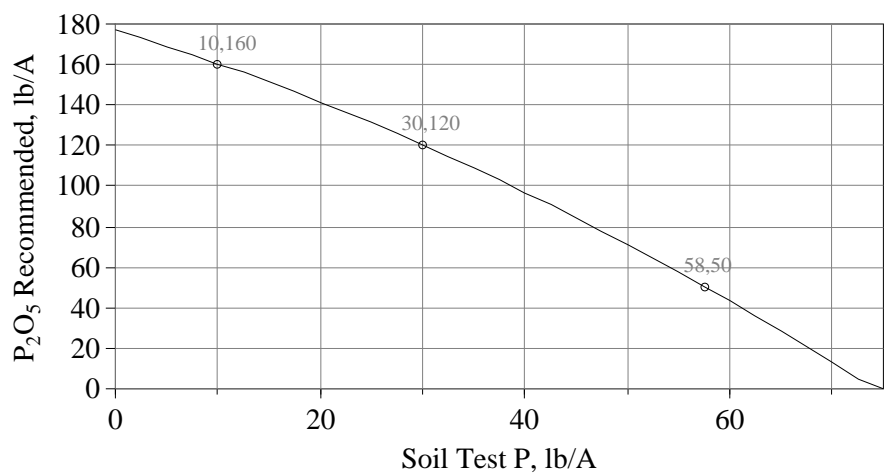
K Recommendations, Coastal Plain

$$K_2O = 236 - 1.087K + 0.00132K^2$$



P Recommendations, Piedmont

$$P_2O_5 = 177 - 1.541P - 0.01148P^2$$



K Recommendations, Piedmont

$$K_2O = 242 - 0.725K + 0.00051K^2$$

