

## Small Grain Silage (Code #711)

| Soil Test Rating   | Potassium  |  |   |                                       |
|--|--|--|---|---------------------------------------|
|  | Low K  | Medium K                                   | High K                                      | Very High K                           |
|  | Coast: 0-60 lbs/A<br>Pied: 0-100 lbs/A   | Coast: 61-150 lbs/A<br>Pied: 101-200 lbs/A | Coast: 151-250 lbs/A<br>Pied: 201-350 lbs/A | Coast: 250+ lbs/A<br>Pied: 350+ 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><br><br>Coast: 0-30 lbs/A<br>Pied: 0-20 lbs/A      | *-100-160  | *-100-120                                  | *-100-80                                    | *-100-0                               |
| <b>Medium P</b><br><br>Coast: 31-60 lbs/A<br>Pied: 21-40 lbs/A | *-65-160   | *-65-120                                   | *-65-80                                     | *-65-0                                |
| <b>High P</b><br><br>Coast: 61-100 lbs/A<br>Pied: 41-75 lbs/A  | *-40-160   | *-40-120                                   | *-40-80                                     | *-40-0                                |
| <b>Very High P</b><br><br>Coast: 100+ lbs/A<br>Pied: 75+ lbs/A | *-0-160  | *-0-120                                    | *-0-80                                      | *-0-0                                 |

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

### Recommendations:

|                 |   |                            |                      |                           |                     |          |                       |                            |                     |
|-----------------|---|----------------------------|----------------------|---------------------------|---------------------|----------|-----------------------|----------------------------|---------------------|
| Recommended pH: | 6.0. If the pH is less than 6.0, see Lime Table C.  |                            |                      |                           |                     |          |                       |                            |                     |
| Nitrogen:       | 120-160 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.<br><br><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  |                           |                     |          |                       |                            |                     |
| Other:          | See sulfur (S) recommendations below.   |                            |                      |                           |                     |          |                       |                            |                     |

### Fact Sheet:

\*For small grain following a legume apply 120 pounds nitrogen (N) per acre; for small grain following cotton, corn, etc. apply 140 pounds nitrogen per acre; for small grain following grain sorghum apply 160 pounds nitrogen per acre. Apply 20 to 40 pounds of the recommended nitrogen per acre in the fall and the remainder in February.

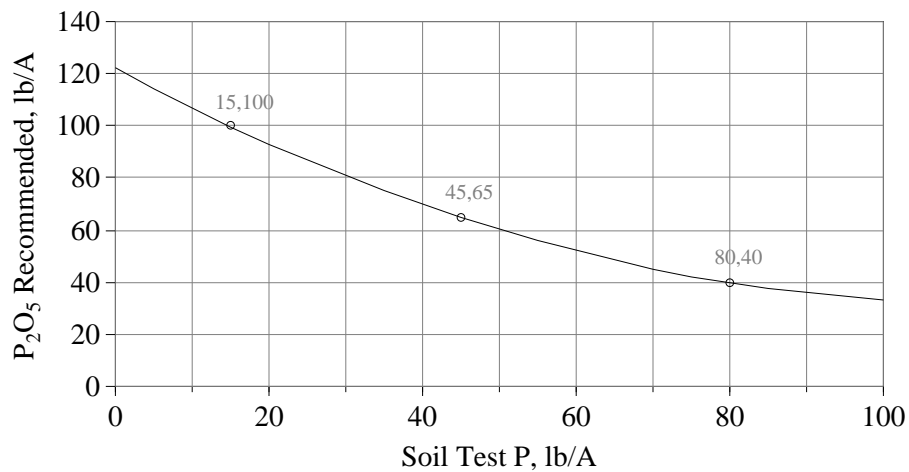
On deep sandy soils, apply 10 pounds of sulfur (S) per acre. The sulfur should be applied when the topdress nitrogen application is made.

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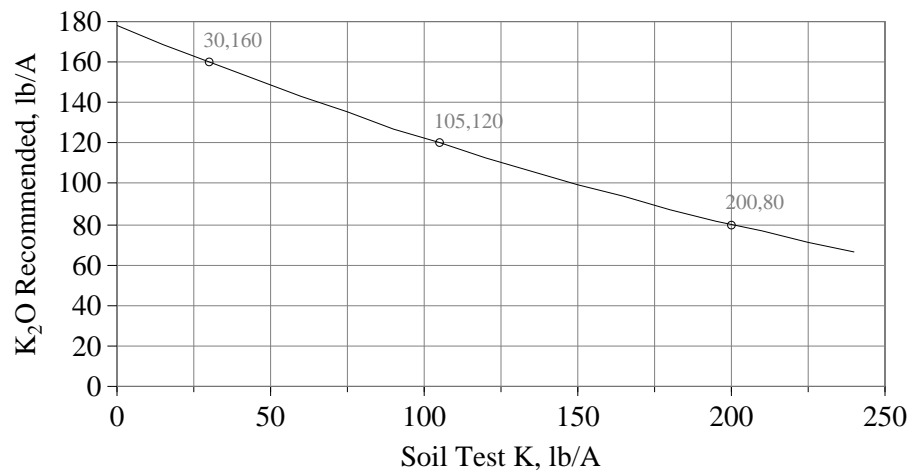
P Recommendations, Coastal Plain

$$P_2O_5 = 122 - 1.584P + 0.00696P^2$$



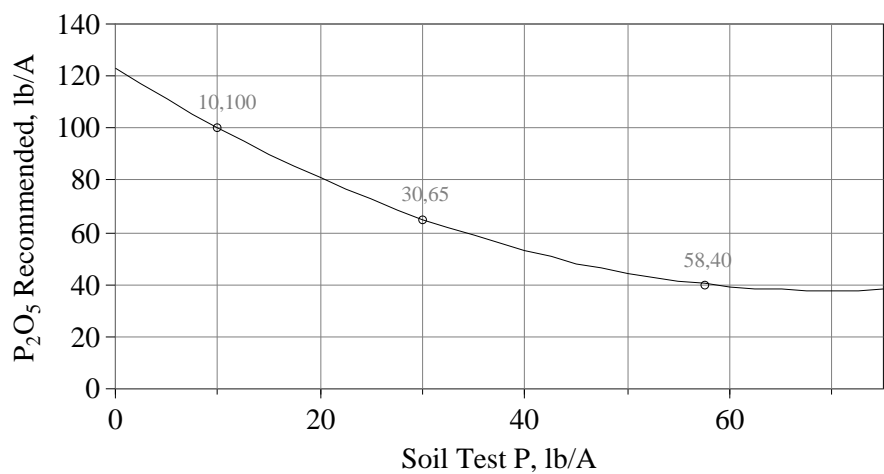
K Recommendations, Coastal Plain

$$K_2O = 178 - 0.622K + 0.00066K^2$$



P Recommendations, Piedmont

$$P_2O_5 = 123 - 2.458P + 0.01770P^2$$



K Recommendations, Piedmont

$$K_2O = 183 - 0.472K + 0.00036K^2$$

