

Grain Sorghum (Code #006)

Soil Test Rating	Potassium			
	Low K	Medium K	High K	Very High K
	Coast: 0-60 lbs/A Pied: 0-100 lbs/A	Coast: 61-150 lbs/A Pied: 101-200 lbs/A	Coast: 151-250 lbs/A Pied: 201-350 lbs/A	Coast: 250+ lbs/A Pied: 350+ lbs/A
Phosphorus	<i>Recommended Pounds N-P₂O₅-K₂O per Acre</i>			
Low P Coast: 0-30 lbs/A Pied: 0-20 lbs/A	80-80-80	80-80-60	80-80-30	80-80-0
Medium P Coast: 31-60 lbs/A Pied: 21-40 lbs/A	80-60-80	80-60-60	80-60-30	80-60-0
High P Coast: 61-100 lbs/A Pied: 41-75 lbs/A	80-30-80	80-30-60	80-30-30	80-30-0
Very High P Coast: 100+ lbs/A Pied: 75+ lbs/A	80-0-80	80-0-60	80-0-30	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:	80 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.		
	Coastal Plain	Low: 0 - 30 lbs/acre	Medium: 31 - 60 lbs/acre
	Piedmont	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre
			High: >60 lbs/acre
			High: >120 lbs/acre

Fact Sheet:

Split the nitrogen (N) application, applying half prior to or at planting and the remainder before the 6th leaf stage.

For projected grain sorghum yields of 100 bushels per acre or higher increase the nitrogen (N) fertilizer rate to 125 pounds nitrogen per acre.

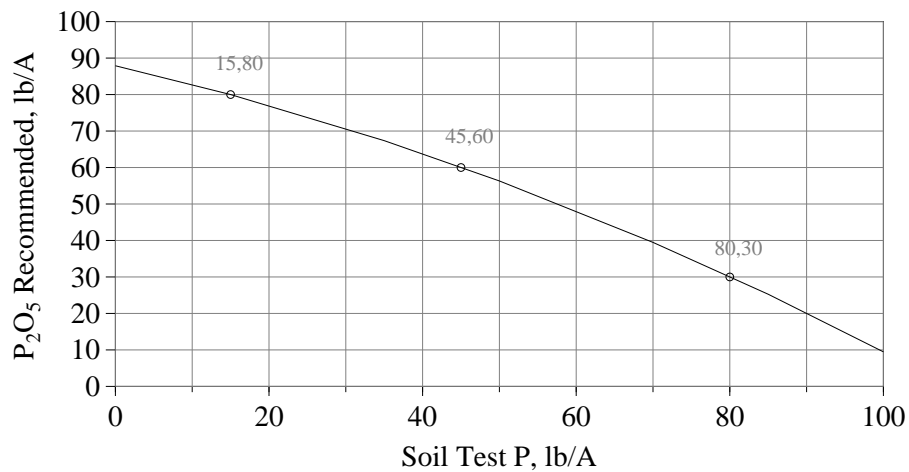
Reduce the nitrogen rate by 20 to 40 pounds per acre following peanuts and soybeans, and by 80 to 100 pounds per acre following alfalfa or a legume winter cover crop that is allowed to bloom.

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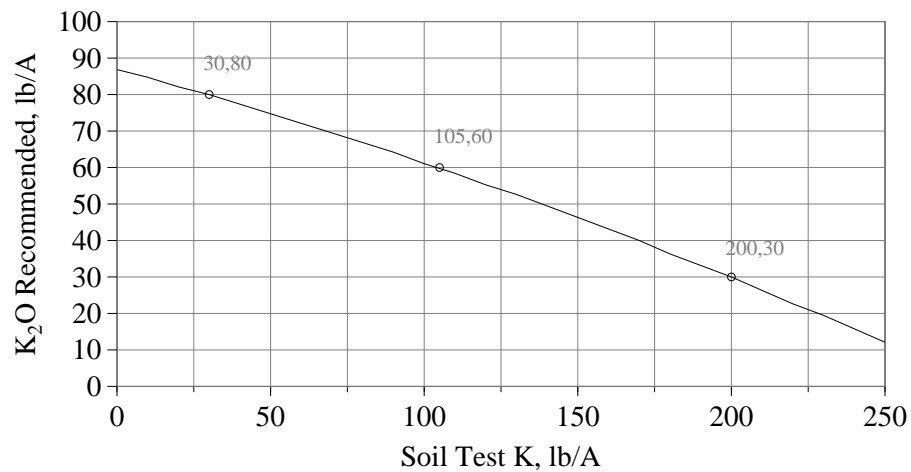
P Recommendations, Coastal Plain

$$P_2O_5 = 88 - 0.491P - 0.00293P^2$$



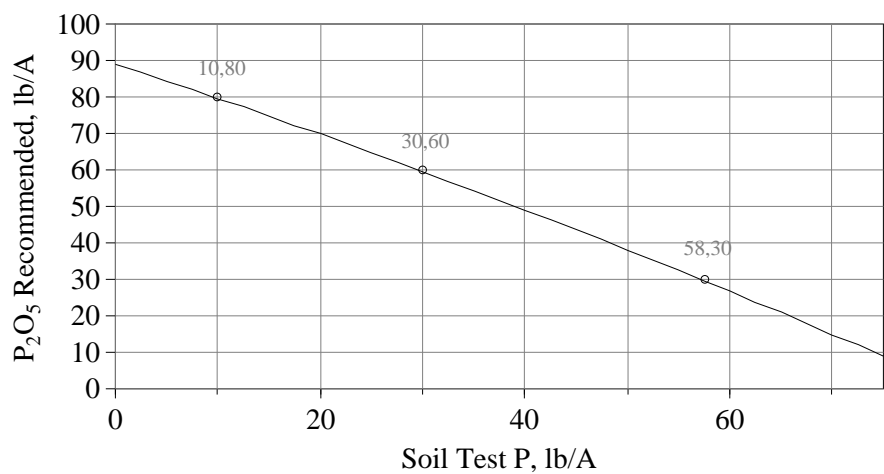
K Recommendations, Coastal Plain

$$K_2O = 87 - 0.228K - 0.00029K^2$$



P Recommendations, Piedmont

$$P_2O_5 = 89 - 0.924P - 0.00191P^2$$



K Recommendations, Piedmont

$$K_2O = 89 - 0.164K - 0.00018K^2$$

