Corn (for Grain) Irrigated 250 bu/a (*Code* #C02)

Soil Test Rating	Potassium			
	Low K Coast: 0-60 lbs/A Pied: 0-100 lbs/A	**Medium K** Coast: 61-150 lbs/A Pied: 101-200 lbs/A	**High K** Coast: 151-250 lbs/A Pied: 201-350 lbs/A	**Very High K** Coast: 250+ lbs/A Pied: 350+ lbs/A
Phosphorus	*Recommended Pounds N-$P_2 0_5$-$K_2 0$ per Acre*			
Low P Coast: 0-30 lbs/A Pied: 0-20 lbs/A	300-170-230	300-170-190	300-170-170	300-170-0
Medium P Coast: 31-60 lbs/A Pied: 21-40 lbs/A	300-120-230	300-120-190	300-120-170	300-120-0
High P Coast: 61-100 lbs/A Pied: 41-75 lbs/A	300-75-230	300-75-190	300-75-170	300-75-0
Very High P Coast: 100+ lbs/A Pied: 75+ lbs/A	300-0-230	300-0-190	300-0-170	300-0-0

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:	300 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.
Zinc:	If the Zn soil test level is low, apply 3 pounds of zinc per acre.
Other:	See sulfur (S) recommendations below.

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

continued -»

Fact Sheet:

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.

Split the nitrogen applications, applying one-fourth to one-third of the nitrogen prior to or at planting and the remainder as a sidedress application when the corn is 18 to 24 inches high; or apply the remainder of the nitrogen through the irrigation system in 3 to 4 equal applications at 7 to 10 day intervals, beginning at the 6 leaf stage.

For new ground testing low in phosphorus (P), increase the phosphate rate by 25%.

For early planted corn, apply a starter fertilizer at a rate to supply 10 to 20 pounds nitrogen per acre and 30 to 60 pounds phosphate per acre.

The applied fertilizer should contain sufficient sulfur (S) to supply 25 pounds sulfur per acre. Since sulfur is highly leachable, especially on deep sands, application of sulfur with post plant nitrogen applications may improve efficiency.

Use plant analysis to monitor the nutrient status of the plants. If any are found to be low they can be applied to the crop as a sidedress, foliar application or through the irrigation system. Contact your local county agent for additional information.

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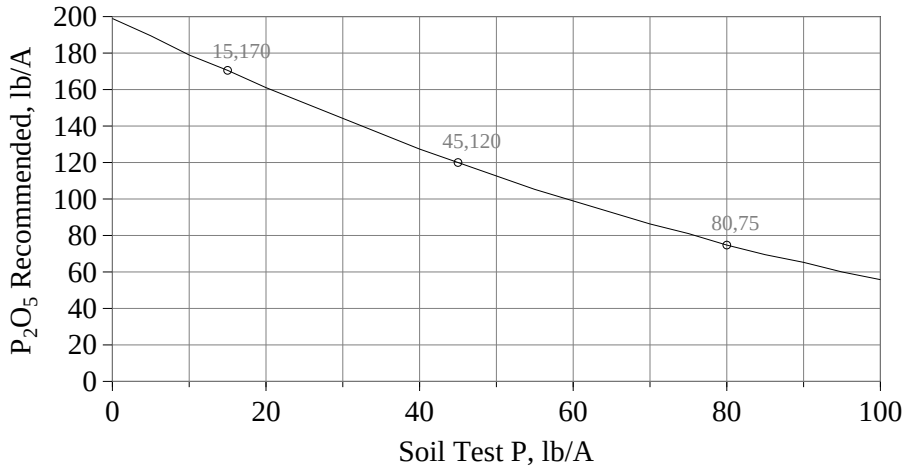
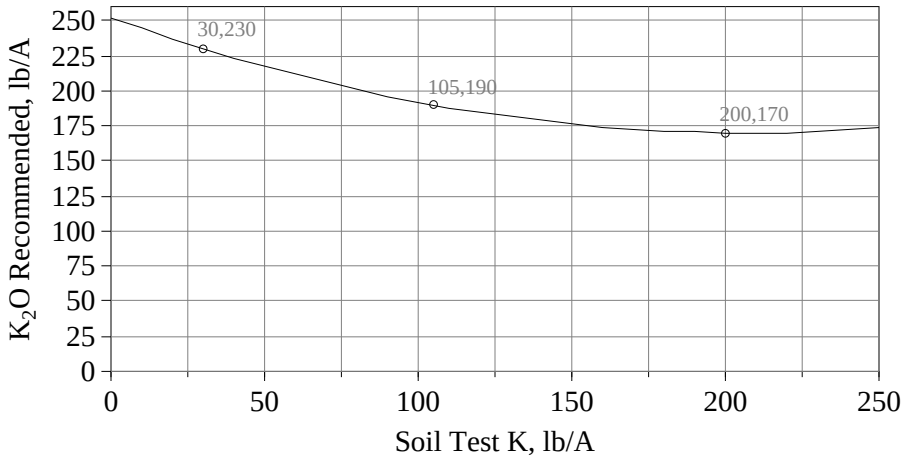
P Recommendations, Coastal Plain

$P_2O_5 = 199 - 2.018P + 0.00586P^2$



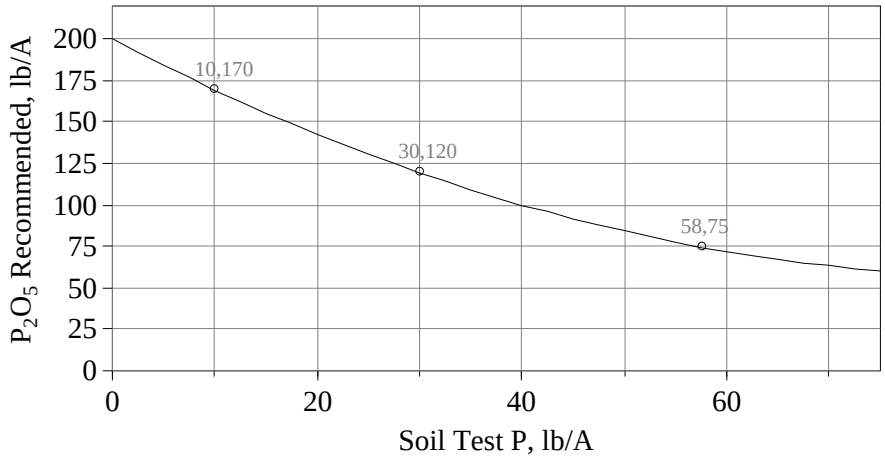
K Recommendations, Coastal Plain

$K_2O = 252 - 0.790K + 0.00190K^2$



P Recommendations, Piedmont

$P_2O_5 = 200 - 3.227P + 0.01818P^2$



K Recommendations, Piedmont

$K_2O = 258 - 0.614K + 0.00107K^2$