

Truffles (Code #TRU)

Soil Test Rating	Potassium			
	Low K	Medium K	High K	Very High K
	Coast: 0-30 lbs/A Pied: 0-50 lbs/A	Coast: 31-60 lbs/A Pied: 51-100 lbs/A	Coast: 61-150 lbs/A Pied: 101-200 lbs/A	Coast: 150+ lbs/A Pied: 200+ lbs/A
Phosphorus	<i>Recommended Pounds N-P₂O₅-K₂O per Acre</i>			
Low P Coast: 0-10 lbs/A Pied: 0-10 lbs/A	*-80-80	*-80-50	*-80-0	*-80-0
Medium, High, Very High P >10 lbs/A	*-0-80	*-0-50	*-0-0	*-0-0

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

Recommendations:

Recommended pH:	7.5 to 8.0			
Nitrogen:	30-50 pounds nitrogen (N) per acre to the host tree			
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	High: >60 lbs/acre
	Piedmont	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre

Fact Sheet:

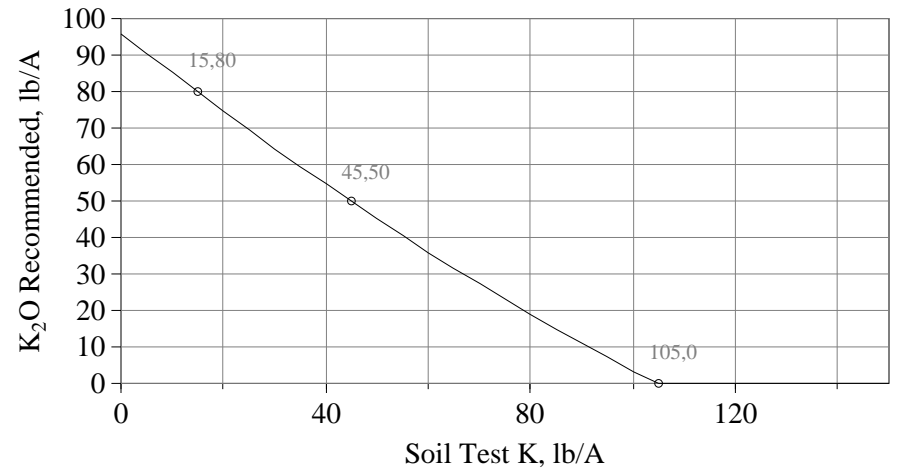
The recommended pH for truffles is 7.5 to 8.0. The soil should contain an excess of lime to maintain this pH level. Dolomitic lime is recommended to maintain an adequate magnesium level in the soil. Soil test phosphorus should be less than 10 pounds available P per acre for truffle production. Truffle production is a symbiotic relationship between the fungus and the tree. The more that soil test P exceeds 10 pounds per acre, the less chance there is for success in truffle production. Potassium fertilizer applications should be those needed by the host trees. Apply 30 to 50 pounds N per acre to the host tree after new leaves appear in the spring.

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At phosphorus soil test values in the traditional medium, high, and very high ranges, production of truffles may not be successful.

K Recommendations, Coastal Plain

$$K_2O = 96 - 1.111K + 0.00185K^2$$



K Recommendations, Piedmont

$$K_2O = 94 - 0.547K - 0.00053K^2$$

