

**General Ornamental Shrubs (commercial) (Code #883)**

Soil Test Rating <i>All Soils</i>	Potassium			
	Low K 0-150 lbs/A	Medium K 151-250 lbs/A	High K 251-450 lbs/A	Very High K 450+ lbs/A
<b>Phosphorus</b>	<i>See Comments</i>			
<b>Low P</b> 0-50 lbs/A	866	866	867	867
<b>Medium P</b> 51-100 lbs/A	866	866	867	867
<b>High P</b> 101-200 lbs/A	868	868	169	169
<b>Very High P</b> 200+ lbs/A	868	868	169	169

**Recommendations:**

Recommended pH:	5.5 to 6.0. If the pH is less than 5.5, see Lime Table C and the soil depth adjustment table that immediately follows the lime tables.			
Magnesium:	If soil test Mg level is low and lime is recommended, use dolomitic limestone.			
	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

**Comments:**

Fifty pounds of limestone per 1000 square feet is equivalent to 5 pounds (6½ cups) per 100 square feet. (If lime recommendation is greater than 50 pounds per 1000 square feet, increase the per cup rate proportionately.)

- 169. Additional phosphorus and potassium fertilizer is not recommended at the present time since soil levels of both phosphorus and potassium are high. If plants are abnormally light green, nitrogen may be needed at the following suggested rates and times. Per 100 square feet, apply 5 ounces of 34-0-0 (2/3 cup), or 4 ounces of 46-0-0 (1/2 cup), or 8 ounces of 21-0-0 (1 cup) during early to mid growing season (up to August 1). Fertilizers with similar analysis may be substituted for these. Uniformly spread fertilizer over an area extending well beyond the end of branch spread. Be careful not to exceed the recommended rate because foliar scorching may occur. Apply fertilizer to the soil and avoid getting it on the leaves. Nitrogen fertilizer is most efficiently used and poses less risk of environmental contamination if applied to dry soil and watered into the soil the same day.
- 866. Apply 16-4-8 or 12-4-8 analysis at a rate of 1/2 pound per 100 square feet (5 pounds per 1,000 square feet) when spring growth begins and repeat in May and again in July. If these analyses are not available apply 8-8-8 or 10-10-10 at a rate of 3/4 pound per 100 square feet (7½ pounds per 1,000 square feet) when spring growth begins and repeat in May and again in July. Uniformly spread fertilizer on the soil surface extending it well beyond the end of branch spread. It is not necessary to remove the mulch before applying the fertilizer. Brush or rinse the fertilizer from the leaves and stems.

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867. Apply superphosphate (20% P<sub>2</sub>O<sub>5</sub>) at a rate of 1/2 pound per 100 square feet (5 pounds per 1,000 square feet) and 34-0-0 at a rate of 5 ounces (2/3 cup) per 100 square feet (3 pounds per 1,000 square feet) (or alternatively, the superphosphate rate plus 3¾ ounces of 46-0-0 (1/2 cup) per 100 square feet (2¼ pounds per 1,000 square feet)) when spring growth begins. Uniformly spread fertilizer on the soil surface extending it well beyond the end of branch spread. It is not necessary to remove the mulch before applying the fertilizer. Brush or rinse the fertilizer from the leaves and stems.
  
868. Apply 15-0-15 or 14-0-14 analysis fertilizer at a rate of 1/2 pound per 100 square feet (5 pounds per 1,000 square feet) in March and again in May and July. If these analyses are not available, substitute 16-4-8 or 12-4-8 at the same rate. Uniformly spread fertilizer on the soil surface extending it well beyond the end of branch spread. It is not necessary to remove the mulch before applying the fertilizer. Brush or rinse the fertilizer from the leaves and stems.