

## Apples - Home Garden (Code #095)

Soil Test Rating	Potassium			
	Low K Coast: 0-70 lbs/A Pied: 0-120 lbs/A	Medium K Coast: 71-170 lbs/A Pied: 121-250 lbs/A	High K Coast: 171-275 lbs/A Pied: 251-400 lbs/A	Very High K Coast: 275+ lbs/A Pied: 400+ lbs/A
<b>Phosphorus</b>	<i>See Comments</i>			
<b>Low P</b> Coast: 0-30 lbs/A Pied: 0-20 lbs/A	210	210	210	210
<b>Medium P</b> Coast: 31-60 lbs/A Pied: 21-40 lbs/A	210	210	210	210
<b>High P</b> Coast: 61-100 lbs/A Pied: 41-75 lbs/A	210	210	210	210
<b>Very High P</b> Coast: 100+ lbs/A Pied: 75+ lbs/A	210	210	210	210

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

### Recommendations:

Recommended pH:	6.0 to 6.5. If the pH is less than 6.0, see Lime Table B and the soil depth adjustment table that immediately follows the lime tables.								
Magnesium:	<p>If soil test Mg level is low and lime is recommended, use dolomitic limestone.</p> <table border="1" style="margin-left: 20px;"> <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
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Piedmont	Low: 0 - 120 lbs/acre	Medium: 121 - 240 lbs/acre	High: >240 lbs/acre						

**Comments:**

210. To fertilize apple trees the year they are planted, broadcast over a two-foot circle one cup of 10-10-10 fertilizer about one month after planting. In June following planting, broadcast another cup of 10-10-10 fertilizer around the tree.

Fertilization schedules in the first and subsequent years are summarized in the table below.

<b>Fertilizer Application Rates for Apple Trees in Home Gardens</b>						
	<b>Standard (full size) Trees</b>		<b>Semi-dwarf Trees</b>		<b>Dwarf Trees</b>	
<b>Tree Age</b>	<b>cups 10-10-10 per tree</b>	<b>Area of application</b>	<b>cups 10-10-10 per tree</b>	<b>Area of application</b>	<b>cups 10-10-10 per tree</b>	<b>Area of application</b>
Planting (Year 1)	1 cup 1 month after planting	2 ft. circle around tree	1 cup 1 month after planting	2 ft. circle around tree	½ cup 1 month after planting	2 ft. circle around tree
	1 cup in June	2 ft. circle	1 cup in June	2 ft. circle	½ cup in June	2 ft. circle
2	2 cups in early spring	3 ft. circle	2 cups in early spring	3 ft. circle	1 cup in early spring	3 ft. circle
	2 cups in June	3 ft. circle	2 cups in June	3 ft. circle	1 cup in June	3 ft. circle
3	5 cups in spring	4 ft. circle	5 cups in spring	4 ft. circle	2 cups in spring	4 ft. circle
4	6 cups in spring	5 ft. circle	6 cups in spring	5 ft. circle	2 cups in spring	4 ft. circle
5	7 cups in spring	6 ft. circle	7 cups in spring	6 ft. circle	3 cups in spring	5 ft. circle
6	8 cups in spring	7 ft. circle	8 cups in spring	7 ft. circle		
7	9 cups in spring	8 ft. circle				
*8+	10 cups in spring	9 ft. circle				

\*In year 8 and later, if soil test results indicate that both P and K are high or very high, substitute 34-0-0 at six cups for standard trees, four cups for semi-dwarf trees, and two cups for dwarf trees; or 46-0-0 at four cups for standard trees, three cups for semi-dwarf trees, and two cups for dwarf trees.

Once the trees begin to bear, use shoot growth as a measure to determine if you need to reduce or supplement the fertilization rates previously suggested. Ten to 14 inches of growth are ideal for bearing trees. If growth is more than this, reduce the rate of fertilization. If growth is less, apply a little extra fertilizer the next season.

**CAUTION:** When fertilizing, never dump large amounts in a small area. Root burn may result. Also, keep fertilizer six inches or more away from the trunk. Always broadcast the fertilizer evenly over the recommended area.

If in any given year you severely prune the tree, do not apply any fertilizer that year. Likewise, if growth is excessive, omit fertilizer for a year or two until growth is reduced to a desirable amount (terminal growth on bearing trees averaging 10 to 16 inches per year).

NOTE: A pint of 10-10-10 fertilizer weighs approximately 1 pound; ¾ pint of limestone weighs approximately 1 pound.