

## About This Plant

Shade Trees are known primarily for their outstanding ability to produce shade for the home landscape. Many shade trees offer unique texture or stunning fall color. Use them around patios or in backyards to protect the family from the mid-day sun and enhance your outdoor lifestyle. Evergreen Shade trees maintain their leaves year round while deciduous varieties lose their leaves in the fall and re-leaf in the spring. Consider a tree's mature size when making your selection; leaving plenty of room between the tree and house. Do not plant tall trees under power lines. Properly placed around your home, trees can reduce air conditioning needs in the summer and energy used for heating in the winter.

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## How to Plant

- Prepare the area for planting by conditioning the soil. Loosen the soil and incorporate an organic soil conditioner according to directions.
  - Dig a hole 2 times the width of the root ball and a depth slightly less than the height of the root ball. Allow the top surface of the root ball to rest 1/2 inch higher than the soil line.
  - For container grown plants, carefully remove plant by squeezing container and slowly removing the root ball. Never pull on the plant trunk. Instead let the root ball slide out by tipping the container. If the plant is heavily rooted, loosen roots by gently pulling a few away from the root ball. This encourages stronger root growth. Set root ball in hole making sure the top of the root ball is slightly higher (1/2 inch) than ground level. Place soil mix under root ball if too low. Backfill soil mix around plant to ground level and tamp lightly removing all air pockets.
  - For biodegradable pots, follow the directions on the container.
  - For bare root plants, trim any broken, twisted or discolored tips. Determine the original soil line by the change in color on the plant trunk. Set the plant in the hole so the soil line is above the surrounding soil. Space the roots evenly. Backfill soil mix around and between the roots and tamp lightly removing all air.
  - Water thoroughly to settle the soil around the plant. Add more soil mix around plant if necessary after watering. Apply root stimulator to encourage new root growth and fast establishment.
  - If a large plant; build a soil ring around the plant, 6" beyond the edge of the hole, to use as water reservoir to assist in watering until established.
  - Add a 2-3" layer of mulch around plant to conserve soil moisture and eliminate future weeds.
  - For large shrubs, it may be necessary to secure the trunk by using three stakes placed at equal distances around the plant.
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## How to Water

- New plants require more frequent watering than established plants. After planting check for water regularly until fully rooted and established.
- For large plants; build a soil ring around the plant to use as a water reservoir. This will assist in watering until the plant is established.

- Always water slowly and deeply making sure the root ball is completely saturated.
  - Don't water at night if possible. Watering in the morning helps prevent disease.
  - If new plant wilts between watering, increase the frequency of watering.
  - Plants in hot, humid or sunny areas need more frequent watering than plants in cool climates.
  - Plants in containers may require more frequent watering than plants in the ground. This will depend on plant variety, pot size and soil.
  - Add a 2-3" layer of organic mulch around plant to maintain and conserve soil moisture. Mulch will reduce watering frequency and speed root establishment.
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## How to Fertilize

- Fertilize just before and during the plants active growing cycle. Fertilization should begin just prior to new growth and end three or four weeks before the first frost.
  - Choose a fertilizer recommended for trees or shrubs. Frequency will depend on the type of fertilizer. Liquid (water soluble) and granular quick release fertilizer require more frequent application; slow release granular types require less.
  - When using granular fertilizer be sure to sprinkle fertilizer pellets away from the plant stems or trunk to prevent possible burning. Also, make sure the fertilizer application extends to the drip line of the tree. Water thoroughly after application. This dissolves or releases the fertilizer into the soil. Apply water soluble fertilizer by thoroughly drenching the leaves and soil.
  - Always follow fertilizer package directions.
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## How to Prune

- Prune trees to encourage growth, increase flowers or enhance a natural form.
- When pruning, make angled cuts just above the bud.
- Reduce disease and pests by pruning crossing or rubbing branches. This will help to increase air flow through the tree canopy.
- Remove damaged or dead limbs back to live wood.
- Prune branches that could easily fall and cause damage to people or property. Have a professional remove any limbs located near power lines.
- Use proper tools such as shears, hand pruners, pole pruners and pruning saws. Make sure all equipment is clean and sharp.
- Fertilize after pruning to help speed new growth.