

## How to Plant a Tree

Did you know that the planting of trees is a very real consideration for rebalancing the global carbon cycle? Trees reduce atmospheric carbon dioxide levels. They are natural filters, by utilizing their limbs and leaves, they absorb air pollutants. The shade the trees provide creates cooler air temperatures which results in the reduction of smog levels in some areas. In addition, trees assist in the reduction of offensive odors and reduce airborne dust. Trees continue to grow until they die and for centuries they have provided mankind with oxygen, food, wood, medicines, rubber, erosion control and shelter. In addition, trees are useful to wildlife because they provide homes, nesting areas, food, shelter, territory and roosts.

If you decide to plant a tree, selecting the right tree for the right place is a good first step in any landscape design. Proper planting is also important for getting your tree off to a good start. Trees are like all living creatures. They require more attention in the beginning to promote a long, healthy life.

Carefully choose the planting site. Trees are difficult to move once they are established. Check with local authorities for regulations on placement of trees. Some communities have ordinances restricting placement of trees within a specified distance of a street, sidewalk, streetlight, or other utilities. BEFORE DIGGING, make sure that all underground utilities are clearly marked. You wouldn't want to cut off the electric power to your community or risk injury.

Carefully follow the planting instructions that come with your tree. If specific instructions are not available, follow these tips:

- Dig a hole about twice the size of the tree's root ball, or about one foot wider than the root system. The hole should be slightly shallower than the root ball. If the soil is especially heavy or wet, consider planting the tree slightly higher.
- Remove all materials from the root mass. This includes wires, string, burlap, and biodegradable containers. Neglecting this will hinder proper root growth. Gently place the tree in the center of the hole and position it to grow straight. If the tree has a prettier side, place it in the direction most frequently viewed. If planting a bare root tree, carefully spread the roots. Crumble the soil removed from the hole and cover the roots with it. As you add soil to fill in around the tree, lightly tamp the soil to collapse air pockets, or add water to help settle the soil. Air pockets around the roots can be devastating to a newly planted tree.
- Add about four inches of mulch--wood chips, shredded bark, or grass clippings--around the base of the tree, extending out to the tips of the outermost branches. A 3-foot diameter circle of mulch is common. Mulching will retain moisture, reduce weeds, maintain a more even soil temperature, and eliminate mowing next to the delicate bark. Be sure to pull the mulch away from the tree trunk because decomposing mulch can cause rot problems.
- Finally, give the tree a thorough watering. If the root ball is extremely dry, allow water to trickle into the soil by placing the hose at the trunk of the tree. Young trees need protection against rodents, frost cracks, sunscald, lawnmowers, and weed whackers. Plastic guards are an inexpensive and easy control method. Light colored tree wraps can be used to protect the trunk from sunscald. Usually, staking trees is not necessary unless you live in an area with high winds.

A properly planted and maintained tree will grow much faster and live much longer than one that is incorrectly planted. Trees can be planted almost anytime of the year as long as the soil is not frozen. However, early fall is the optimum time to plant trees. For the first year or two, especially after a week or so of extremely hot or dry weather, watch your tree closely for signs of moisture stress. If you see leaf wilting or hard, caked soil, water the tree well and slowly enough so the water soaks in rather than runs off.

Take the time to give your tree a good start on life. You and the next generation will enjoy the benefits of your backyard tree for years to come.