

## Pin Oak

### *Quercus palustris*

Pin oak grows best in moist sites as it is a bottomland (river basin) tree. It is not native to NW Arkansas but it is found all around this area. See range map. This species is popular due to its attractive pyramidal shape and straight, dominate trunk. It is an excellent shade tree with dense foliage, turning a brilliant red to bronze in the fall months. Every other year in late September to November the tree produces acorns. While not favored as edible by humans, it is an excellent food source for squirrels, birds and deer.



**Height:** 50 to 75 ft. at maturity. Very old trees can be 120 ft.

**Diameter at Breast Height (DBH):** 24-36 in. average.

**Crown Shape/Spread:** This species has a pyramidal form with dense foliage and a canopy spread that can reach 35-40 ft.

**Leaf:** Leaves are deciduous, alternate, simple, ranging from 4-8 in. long and 2-4 in. wide. Fall foliage is a brilliant red to bronze.

**Flowers:** Flowering occurs in April or May just after leaf out. The flowers are brown and inconspicuous and not a showy variety.

**Fruit:** Acorns are 3/8 to 1/2 in. in length with a round to oval shape and take 16-18 months to mature.

**Landscape Requirements: Right Tree – Right Place**

**Distance from Utility Line:** 60+ ft minimum

**pH:** 5.0-7.0

**Moisture:** Grows best in moist loam to clay, loam, sand or acidic soils, but is tolerant of most soil conditions.

**Sun Light:** Full sun

**Landscape Usage:** Pin oak is an excellent landscape tree because of its dense canopy and exceptional fall foliage. Pin oak provides good cover and nesting sites or a wide variety of birds and mammals. This tree has been successfully grown in urban areas where air pollution, poor drainage, compacted soil, and/or drought are common. Many communities use pin oak as a street tree where overhead space is not limiting.



Range Map

# TREE PLANTING GUIDELINES

**1) Plan ahead: Think Right Tree - Right Place.** Choose a quality grown species of tree that fits your yard. Look for utilities above and below ground. To reduce summer air conditioning costs or to just help cool your home, plant large deciduous shade trees on the east, south or west sides of your home. Plant conifers (evergreens) on the north side or on the side with prevailing winter winds.

**2) Before digging call Arkansas One Call**



**1 (800) 482-8998 or simply 811**

**3) Gather your tools:** gloves, rounded shovel, pick axe for rocky sites, water hose or bucket, hammer to drive stake(s), heavy duty scissors to cut containers if needed, or to cut burlap, wire cutters to cut wire baskets.

**4) Gather your supplies:** stake(s), arbor tie or wire tie, B12 root simulator or mycorrhizal fungi (not needed but can be beneficial) and organic mulch (due to cypress tree devastation, cypress mulch is not recommended).

**5) Dig the planting hole no deeper than the height of the root ball and 2 to 3 times wider than the root ball.** You should have a shallow, wide planting hole. Very Important – the tree should never be planted deeper than the depth of the root ball. This is the worst mistake made in planting trees. It is best if the tree is actually planted high by 1 to 1-½ inches. This insures that after the tree settles it will still be planted at the proper depth.

**6) For containerized plants remove the tree from the container; be gentle on the trunk.** If it won't come out push in the sides of the container – a little bit. This may free the soil up enough to slip the root ball out. If that doesn't work, cut the container. If tree is ball & burlap, set tree in hole, cut away the wire basket and remove. Cut and remove all twine or other wrapping and top 1/3 of burlap.

**7) Backfill the planting hole with the soil you removed when digging the hole.** Do not add any other soil amendments or special soil mixes, they are not needed and in fact can cause future rooting problems.

**8) When the hole is half full of soil, water to help remove air pockets, then continue to fill the hole until it is full and water again.**

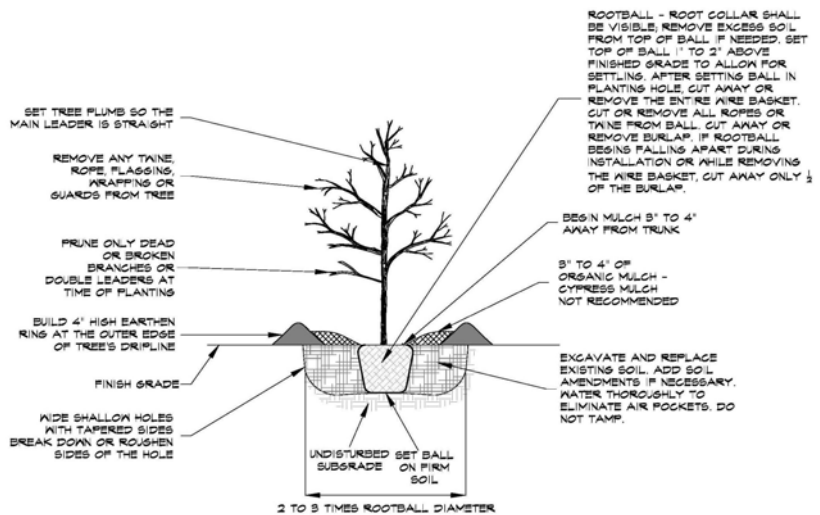
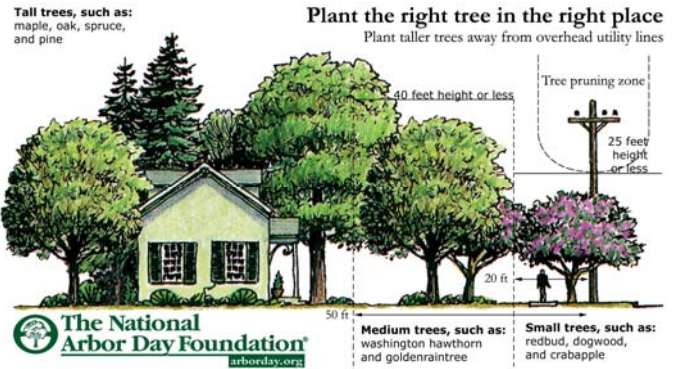
**9) Use the left over soil to build a berm around the outer edge of the planting hole.** This will direct water flow to the root ball where it is needed.

**10) Top dress the root ball and berm with organic mulch 4 inches deep.** Do not let the mulch contact the tree trunk. Taper it away from the trunk.

**11) Stake the tree only if it is needed (remove all staking after one year).**

**12) Maintain the newly planted tree on a watering schedule for the next year.** New trees should receive around an inch per week during the growing season (Spring through early Fall). Soil should remain moist, but not wet. Under and/or over watering is the worst mistake made in establishing trees.

**13) Enjoy your tree and the benefits it brings you and the community.**



The Urban Forestry Advisory Board selected native trees and shrubs to give away this year because they should be easy to grow and maintain, will reflect our town's unique setting as a city on the edge of the Ozarks and because many pollinators, birds and other wildlife depend only on the native plants they evolved with for food and habitat. We encourage residents to Google "Why Native Plants" to learn more. We also encourage residents to eliminate invasive plants like privet, bush honeysuckle and English ivy because they crowd out native plants and inhibit the seasonal transition of native plants that our wildlife depend on.