

## Pruning Calendar\*

**Jan/Feb** (when dormant)

### Shade Trees

- Ash
- Elm
- Maple
- Oak
- Pecan
- Pistache
- Sycamore

### Summer Flowering Trees

- Crape Myrtle
- Desert Willow
- Vitex\*

### Summer Flowering Shrubs

- Abelia
- Butterfly Bush
- Kidneywood
- Mexican Oregano
- Pavonia
- Possumhaw Holly
- Texas Sage
- Roses (repeat bloomers)

**April/May/June** (after spring flowering)

### Spring Flowering Trees

(light trimming if needed)

- Anacacho Orchid Tree
- Saucer Magnolia\*
- Roughleaf Dogwood
- Fringe Tree
- Mountain Laurel
- Mexican Buckeye
- Redbud

### Spring Flowering Shrubs

- Flowering Quince
- Mock Orange
- Viburnum
- Wisteria
- Roses (one-time bloomers)

### All Year

(Shear or trim anytime to maintain form and size)

### Broadleaf and Needleleaf Evergreens

- Cherry Laurel
- Euonymus
- Holly
- Juniper
- Ligustrum\*
- Photinia\*
- Pittisporum\*
- Yaupon
- Yew
- Southern Wax Myrtle
- Evergreen Sumac

\*plants included because commonly found in landscapes; not necessarily recommended

## Trees Susceptible to Oak Wilt

### Red Oaks

(die within months of infection)

- Spanish
- Blackjack
- Shumard
- Water Oaks

### Live Oaks:

(highly susceptible but experience a slower death than Red Oaks)

- When cutting back to an intersecting branch, choose one that forms an angle no more than 45 degrees with the one being removed
- For more side branching, remove the tips of shoots; the bud or branch nearest to the cut usually produces rapid new growth
- Make cuts ½" above the bud or branch you want to flourish
- Select buds that point to the outside of the plant to avoid criss-crossing of branches through the plant's interior

### Pruning large trees

- Cut branches without removing the branch collar (raised bark ridge) at the base of the branch. Avoid leaving stubs or making flush cuts
- When cutting branches more than 1 ½" in diameter, use a three-part cut:

### Pruning oak trees

- Prune trees susceptible to oak wilt during the heat of the summer or the cold of winter when the beetles that transmit the disease are less likely to be active
- Immediately after pruning, apply pruning or latex paint to the wounds on trees susceptible to oak wilt

### Less is more

- Avoid excessive pruning which only results in vigorous, unnatural regrowth and poorly oriented branches
- Thin, don't top; thinning creates a more natural looking, stronger tree
- With young trees, leave branches on the main trunk to develop a thicker trunk more quickly; remove these branches when they reach 1" in diameter

### Pruning perennials

- Many perennials require regular pruning to maintain desired shape; refer to the maintenance tips in the Native and Adapted Landscape Plants Guide for specifics
- Cut perennials back in late winter to early spring before they start to put on new growth
- If freezing temperatures cause perennials to die back, don't worry because they have extensive root systems that help them survive from year to year
- If perennials have a nice shape and no damage to their foliage, pruning should be unnecessary

## Tips for Maintaining a Least Toxic Yard

- Monitor often for insect and disease damage to keep small problems from becoming large ones
- Do not use routine pest and fertilizer treatments -- identify pests and diseases before choosing treatment options
- Call the Texas Agrilife Extension Office at 512-854-9600 for help identifying problems or see the Grow Green Diagnostics fact sheet
- Don't spray pesticides when it's windy
- Never use chemicals before a rain -- they can run off to harm our creeks rather than helping your yard

## Avoid Weed and Feed products

- Applying herbicides over the entire lawn is usually excessive
- The best time to use an herbicide is usually not the best time to fertilize

## why grow green?

The Grow Green program is based on Integrated Pest Management (IPM) principles that encourage the LEAST TOXIC approach to pesticide and fertilizer use. The goal is to reduce the amount of landscape chemicals that degrade water quality when they run off into waterways or leach into our groundwater.

Grow Green is a partnership between the City of Austin Watershed Protection Department and Texas A&M AgriLife Extension. Call 512-974-2550 or 512-854-9600 for more information or visit our website at [www.growgreen.org](http://www.growgreen.org)



earth-wise guide to

# Installation and Maintenance



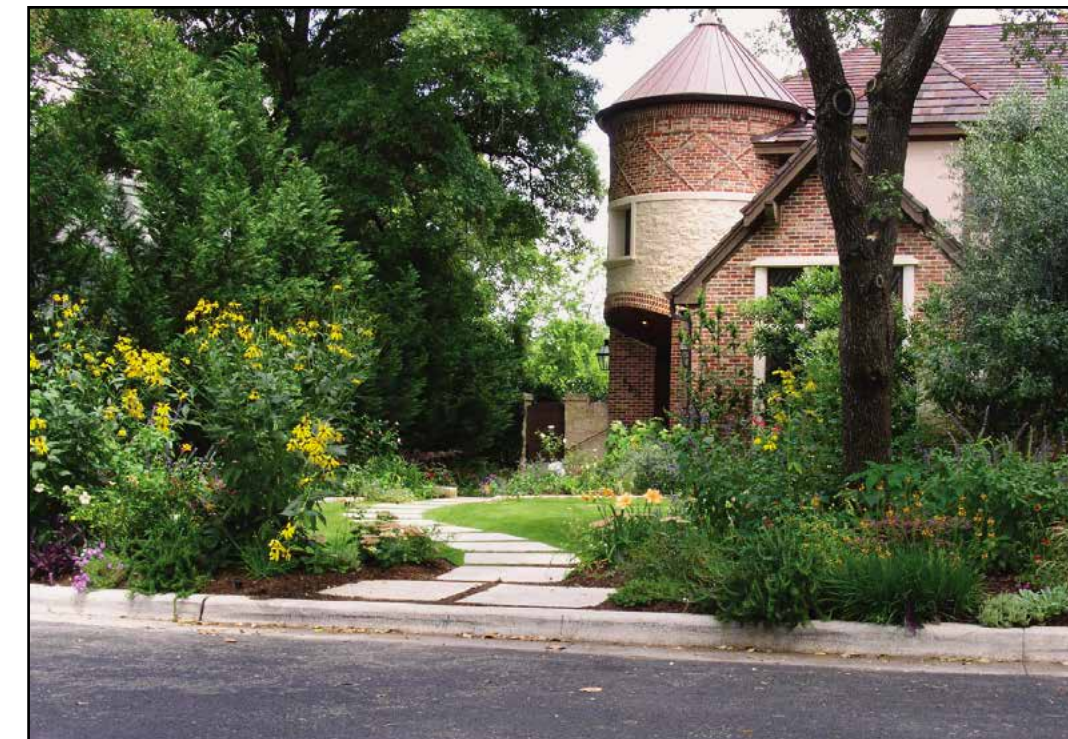
### installation:

- Bed Preparation
- Solarization
- Hardscapes
- Soil Preparation
- Planting Tips
- Mulch

### maintenance:

- Fertilizing Tips
- Tree Care
- Pruning

It is possible to have an attractive, healthy, low maintenance landscape that is also sustainable. The amount and frequency of care largely depends on utilizing earth-wise principles throughout the entire project. Proper preparation and installation greatly reduce many common landscape maintenance problems while also helping conserve resources and reduce water pollution.



## INSTALLATION

### Bed Preparation

- Once you finish your landscape design, lay out a garden hose following the contours of the beds to help you visualize the space
- Once the beds are shaped the way you like, use landscape paint or small flags to outline where to dig
- Install edging (rock, brick, metal or plastic) to define beds
- Clear new planting areas completely of existing plants and grass
- Kill the roots of stubborn perennial weeds like Bermuda grass completely:
  - Dig the roots out
  - Solarize the area to kill the roots with steam (see bubble inside)
  - See the Grow Green Weeds fact sheet for more information on prevention and treatment



512-974-2550



512-854-9600



### How to Solarize

**Solarization works to to reduce or eliminate weed seeds. This process works in sunny areas when temperatures exceed 80°F**

1. Moisten soil thoroughly
2. For stubborn weeds, first spray with a 20% vinegar and orange oil solution
3. Cover with 2-4 millimeter thick clear or semi-transparent plastic (clear is more effective than black in creating steam underneath)
4. Securely seal edges with rocks or bricks to create a mini-greenhouse
5. Leave in place for four-six weeks
6. Remove plastic and till the area to expose roots
7. Repeat steps 1-4 if necessary

### Hardscapes

- For pathways and patios, use materials such as gravel, crushed granite, tumbled glass or wood chips which allow water to soak into the ground rather than run off the land
- If using lumber, consider sustainably-produced wood or wood alternatives like recycled plastic; avoid railroad ties that contain creosote
- Include weed barriers – see the Grow Green Weeds fact sheet for options
- When having materials delivered, use a drop cloth or tarp on pavement for easier clean-up

### Soil Preparation

- Amend existing soils with 2-3" of organic compost, well-rotted manure or Dillo Dirt to help improve drainage, hold moisture, and boost beneficial microbial activity
- Before installing plants or a lawn, be sure that the depth of soil is a

minimum of 4", though 6-8" for turf and most plants is preferred (some native plants require less)

- If your soil is not deep enough, purchase a good quality soil mix from a reputable company that has an approximate ratio of 25% compost, 65% loam and 10% sand blend
- The soil mix should not contain any subsoil, large rocks, weed seeds, plant parts or anything else that would be harmful to plants

**For more information on composting visit:**  
[www.austintexas.gov/departments/composting](http://www.austintexas.gov/departments/composting)

### Planting Tips

- The best time to plant in Central Texas is the fall so that plants are well-established before summer heat; winter and spring are acceptable choices, but avoid planting under extreme conditions of heat or cold
- When choosing plants, check them for signs of disease, insect or physical damage; be sure to look under the leaves where insects hide
- Watch out for plants that are pot-bound; their roots start growing in a circle inside the container
- When planting shrubs and trees:
  - Dig the hole twice as wide as the rootball and no deeper than its height
  - Check planting holes to ensure water will drain, not puddle
  - For non-native plants, till 1-2" of compost into the soil
  - In spring, water newly planted shrubs and flowering perennials every other day (cool season plantings and trees require less)
- When planting trees:
  - Don't pick up trees by their trunk; always pick up by the container or root ball
  - Eliminate vegetation under the canopy; create a tree well
  - Add 1" of compost to the soil under the canopy
  - Cover the soil with 4" of mulch; ensure mulch is 6" away from the trunk
  - Deeply water the soil under the canopy once a week
  - Remove wires on branches to avoid stifling growth

Purchase Texas-grown plants and locally-produced mulches if possible. This supports our regional economy and cuts down on transportation costs, natural resources and air pollution.

## MAINTENANCE

### Fertilizing Tips

- If plant fertilization is necessary, use natural or organic products – they break down slowly, releasing nitrogen throughout the growing season
- If choosing a synthetic fertilizer, use one with a high percentage of slow release components to lower leaf burn potential and excessive new shoot growth – this can prevent environmental stress and disease and insect problems
- For best results apply fertilizer when the soil is between 75 and 85 degrees
- In general, do not fertilize native trees and shrubs
- To test soil, visit <http://soiltesting.tamu.edu/>
- Use a compost tea or seaweed solution on new plantings, stressed plants or to promote general plant health
- For chlorotic (yellowing) plants, use chelated iron or soil-acidifying supplements such as sulfur

### Tree Care

- Maintain 1" of compost under the canopy
- Do not use weed eaters around tree trunks
- See the Tree Care fact sheet for more information on trees

### Pruning

**Prune at the appropriate time of year**

- In general, prune in late winter, when most plants are dormant (see pruning calendar)
- Avoid pruning immediately after new growth develops in spring; allow the plant time to regain the energy it spent growing
- Prune spring flowering shrubs soon after they bloom and summer flowering shrubs by late winter
- Avoid pruning in late summer to early fall - it can encourage new growth which is susceptible to winter damage

### Maintain pruning equipment

- Store equipment in a dry room and apply oil after each use to inhibit rust
- Maintain sharp cutting edges to allow cuts to heal faster
- When pruning diseased plants, disinfect all blades after each cut with alcohol, spray disinfectant, or a mixture of one part bleach to nine parts water to avoid spreading disease; rinse and oil tools after bleach treatment to inhibit rust

### Mulch

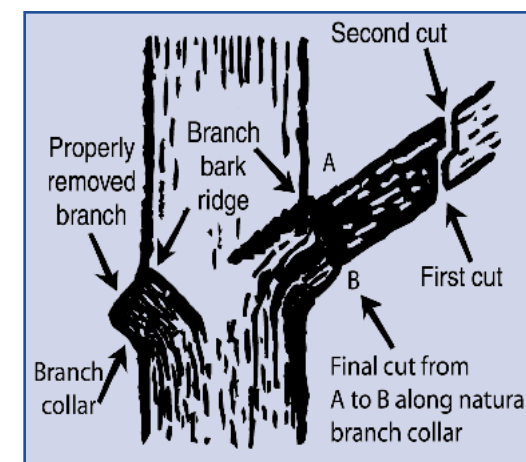
- Use organic mulch (shredded hardwood, straw, bark chips, or newspaper) or inorganic (crushed granite, river rock or processed glass);
  - Inorganic mulches are best used for plants that prefer hot, rocky, dry conditions
  - Once established, ground-covers provide a "green", organic mulch
- Mulch your planting beds with at least 2" of mulch at establishment, and add another inch once a year or as needed to maintain a constant covering over soil

### Steps for pruning

1. Remove all dead, broken or diseased limbs by cutting them back at the point of origin or back to a strong lateral branch
2. Remove weak or narrow angled branches and eliminate undesirable trunks in multi-trunk plants
3. Make any needed cuts, keeping in mind the plant's natural growth habit
4. Look at your work; if a lot of additional pruning is necessary, you may want to do it in stages over several months to a year to prevent excessive re-growth and allow the plant time to recover

### Make cuts correctly

- Prune evergreen hedges so that the base is wide and the top narrow to allow light to reach the lower branches and maintain dense foliage in lower sections



**Check out the Irrigation fact sheet for your watering needs**