

WHAT IS AN ARBORETUM?

A living collection of trees and shrubs cultivated and labeled for educational and scientific purposes.



TREES PROVIDE MANY BENEFITS:

ECONOMIC:

- Mature trees in yards and along neighborhood streets increase residential property values by 5-15%.
- High quality landscaping increases commercial property rental rates.
- Shoppers spend more money in shopping areas with mature trees.
- Trees significantly reduce air conditioning costs in the summer.
- Trees act as windbreaks, reducing heating costs in the winter.
- The Ghertner & Company Arboretum trees have been valued at over \$400,000.

HEALTH AND WELLBEING:

- Trees improve air quality. Their leaves act as giant air filters.
- Trees reduce the amount of noise pollution.
- Trees provide beauty and a sense of tranquility.
- Walking or sitting amongst trees or seeing a tree from one's window
 - boosts the immune system,
 - reduces stress,
 - lowers blood pressure,
 - improves mood,
 - increases energy levels,
 - improves sleep, and
 - increases the ability to focus.

COMMUNITY BENEFITS:

- Trees reduce polluted stormwater runoff and flooding by absorbing rainwater and filtering pollutants.
- Trees provide important food and shelter to wildlife. By focusing on natives and eliminating pesticides, the Ghertner & Company Arboretum is providing vital habitat. Over 100 species of birds, pollinators, turtles, frogs and other wildlife have been observed, including the threatened Monarch butterfly and the American bumblebee.



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SUSTAINABILITY
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**TENNESSEE URBAN
FORESTRY COUNCIL**
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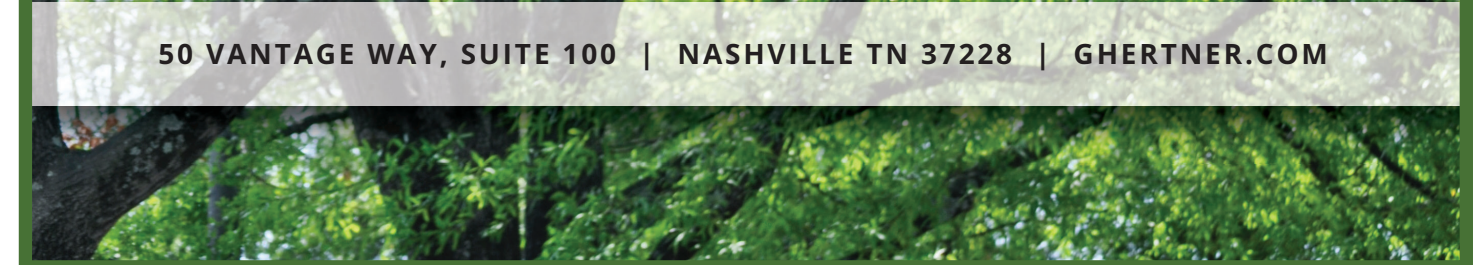


GHERTNER & COMPANY ARBORETUM

The arboretum is a demonstration project in the city of Nashville showing how trees increase property values and reduce energy costs while also providing many health and community benefits. We are a certified Level Two Arboretum through the Tennessee Urban Forestry Council.



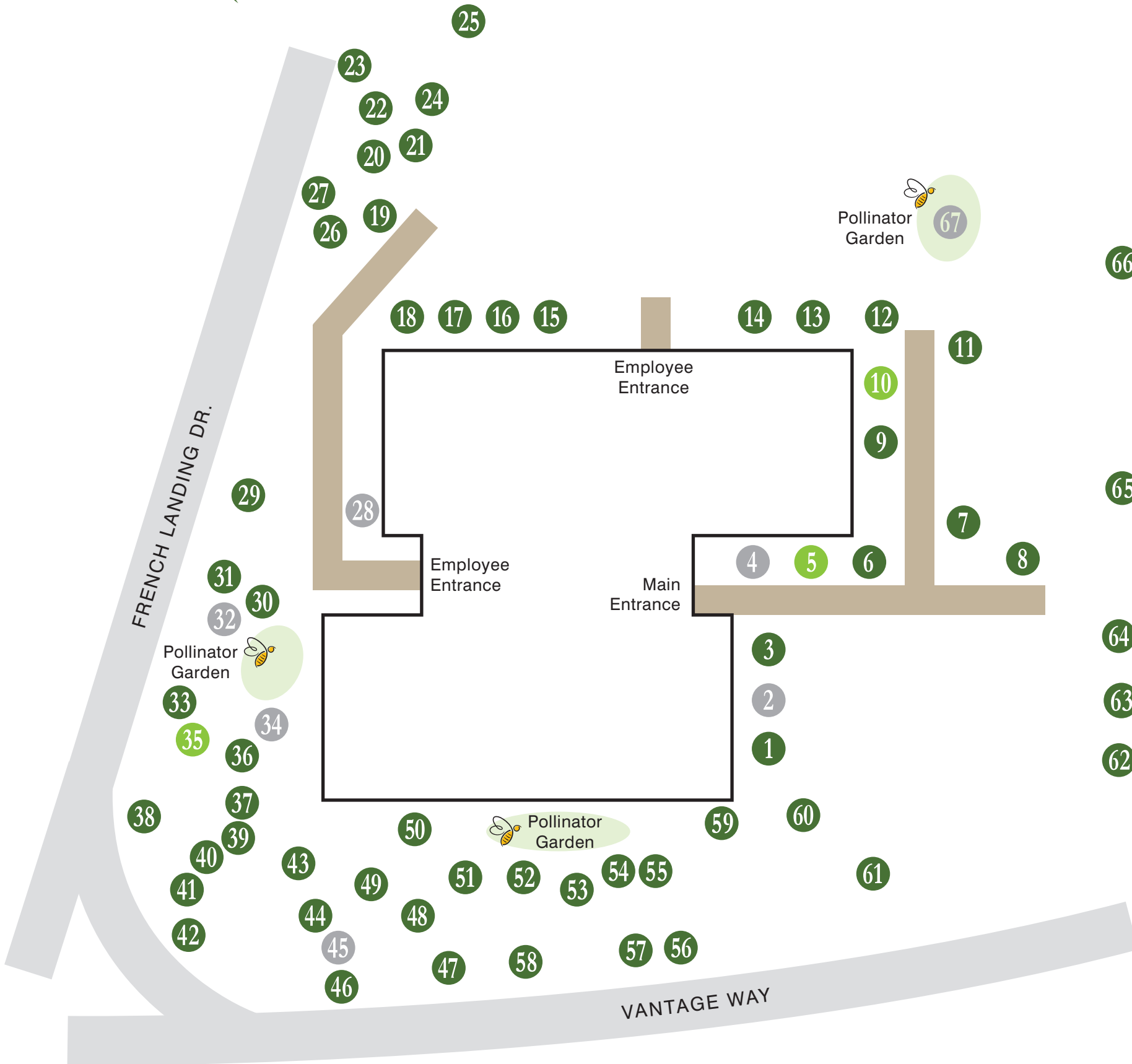
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SUSTAINABILITY INITIATIVE



■ NATIVE OF S.E. U.S. (N) ■ CULTIVAR OF NATIVE (CN) ■ NON-NATIVE (NN)

| MAP # | COMMON NAME | SCIENTIFIC NAME | STATUS |
|-------|--------------------------|--|--------|
| 01 | Sycamore | <i>Platanus occidentalis</i> | N |
| 02 | Coralbark Japanese Maple | <i>Acer palmatum</i> 'Seiryu' | NN |
| 03 | Willow Oak | <i>Quercus phellos</i> | N |
| 04 | Kousa Dogwood | <i>Cornus kousa</i> | NN |
| 05 | Serviceberry | <i>Amelanchier x grandiflora</i> 'Autumn Brilliance' | CN |
| 06 | Carolina Cherry Laurel | <i>Prunus caroliniana</i> | N |
| 07 | Pin Oak | <i>Quercus palustris</i> | N |
| 08 | American Hornbeam | <i>Carpinus caroliniana</i> | N |
| 09 | Eastern Redbud | <i>Cercis canadensis</i> | N |
| 10 | Sweetbay Magnolia | <i>Magnolia virginiana</i> 'Green Shadow' | CN |
| 11 | Red Buckeye | <i>Aesculus pavia</i> | N |
| 12 | Blackhaw Viburnum | <i>Viburnum prunifolium</i> | N |
| 13 | Bottlebrush Buckeye | <i>Aesculus parviflora</i> | N |
| 14 | Downy Serviceberry | <i>Amelanchier arborea</i> | N |
| 15 | Bladdernut | <i>Staphylea trifolia</i> | N |
| 16 | Carolina Silverbell | <i>Halesia carolina</i> | N |
| 17 | Ironwood (Hophornbeam) | <i>Ostrya virginiana</i> | N |
| 18 | Paw Paw | <i>Asimina triloba</i> | N |
| 19 | Spicebush | <i>Lindera benzoin</i> | N |
| 20 | Overcup Oak | <i>Quercus lyrata</i> | N |
| 21 | Black Gum | <i>Nyssa sylvatica</i> | N |
| 22 | Yellowwood | <i>Cladrastis lutea</i> | N |
| 23 | Bald Cypress | <i>Taxodium distichum</i> | N |
| 24 | Sugar Maple | <i>Acer saccharum</i> | N |
| 25 | White Oak | <i>Quercus alba</i> | N |
| 26 | Flowering Dogwood | <i>Cornus florida</i> | N |
| 27 | Bur Oak | <i>Quercus macrocarpa</i> | N |
| 28 | Foster Holly | <i>Ilex x attenuata</i> 'Fosteri' | NN |
| 29 | American Plum | <i>Prunus americana</i> | N |
| 30 | Chinese Chastetree | <i>Vitex negundo</i> | N |
| 31 | Shumard Oak | <i>Quercus shumardii</i> | N |
| 32 | Chestnut Hybrid | <i>Castanea dentata x mollissima</i> | NN |
| 33 | Staghorn Sumac | <i>Rhus typhina</i> | N |
| 34 | Fig | <i>Ficus carica</i> | NN |
| 35 | Southern Magnolia | <i>Magnolia grandiflora</i> 'D.D. Blanchard' | CN |
| 36 | S. Rusty Blackhaw | <i>Viburnum rufidulum</i> | N |
| 37 | Elderberry | <i>Sambucus canadensis</i> | N |
| 38 | Black Cherry | <i>Prunus serotina</i> | N |
| 39 | Gray Dogwood | <i>Cornus racemosa</i> | N |
| 40 | Eastern Red Cedar | <i>Juniperus virginiana</i> | N |
| 41 | Tuliptree | <i>Liriodendron tulipifera</i> | N |
| 42 | Washington Hawthorn | <i>Crataegus phaenopyrum</i> | N |
| 43 | Possumhaw Holly | <i>Ilex decidua</i> | N |
| 44 | Ozark Witch Hazel | <i>Hamamelis vernalis</i> | N |
| 45 | Nellie R Stevens Holly | <i>Ilex x 'Nellie R Stevens'</i> | NN |
| 46 | American Smoketree | <i>Cotinus obovatus</i> | N |
| 47 | Yaupon Holly | <i>Ilex vomitoria</i> | N |
| 48 | Red Mulberry | <i>Morus rubra</i> | N |
| 49 | Hackberry | <i>Celtis occidentalis</i> | N |
| 50 | Dwarf Chinkapin Oak | <i>Quercus prinoides</i> | N |
| 51 | Silky Dogwood | <i>Cornus amomum</i> | N |
| 52 | Wahoo | <i>Euonymus atropurpureus</i> | N |
| 53 | Wild Crabapple | <i>Malus sp.</i> | N |
| 54 | White Fringetree | <i>Chionanthus virginicus</i> | N |
| 55 | Chickasaw Plum | <i>Prunus angustifolia</i> | N |
| 56 | Hoptree | <i>Ptelea trifoliata</i> | N |
| 57 | American Holly | <i>Ilex opaca</i> | N |
| 58 | River Birch | <i>Betula nigra</i> | N |
| 59 | Mexican Plum | <i>Prunus mexicana</i> | N |
| 60 | Carolina Buckthorn | <i>Frangula (Rhamnus) caroliniana</i> | N |
| 61 | E. White Pine | <i>Pinus strobus</i> | N |
| 62 | Cherrybark Oak | <i>Quercus pagoda</i> | N |
| 63 | Kentucky Coffeetree | <i>Gymnocladus dioica</i> | N |
| 64 | Red Maple | <i>Acer rubrum</i> | N |
| 65 | Basswood | <i>Tilia americana</i> | N |
| 66 | Chinkapin Oak | <i>Quercus muehlenbergii</i> | N |
| 67 | Japanese Zelkova | <i>Zelkova serrata</i> | NN |