

GEORGIA TREE LIST FOR 2012 SCIENCE OLYMPIAD FORESTRY EVENT

This has been set up by plant families for the students and coaches convenience. Participants are not expected to know family names for the actual event. Classification follows that of the National Audubon Society Field Guide to North American Trees. This list is not as extensive as the official National Science Olympiad tree list that can be found at NSO website. This list emphasizes trees native to Georgia but does include a few widely recognized species, which have key characteristics with which the students should be familiar. Many universities have extensive herbariums which students can use to test their skills. Please make arrangements in advance as some collections have restricted, or appointment only, public hours. Other sources of information are the state forestry commission, the US Forest Service and some of the private timber companies.

Distribution indicated by letters following scientific names:

E=Eastern distribution

W=Western

MW= Midwestern

SE= Southeastern

NE= Northeastern

N= Northern

SW=Southwestern

FAMILY Aceraceae- Maple Family

Boxelder- *Acer negundo*-E&MW

Maple, Red- *Acer rubrum*-E (RI STATE TREE)

Maple, Sugar-*Acer saccharum*-E (NY, VT, WI, WV STATE TREE)

FAMILY Anacardiaceae- Cashew Family

Sumac, Smooth- *Rhus glabra*- E&MW

FAMILY Aquifoliaceae- Holly Family

Holly, American- *Ilex opaca*-E (DE STATE TREE)

Yaupon- *Ilex vomitoria*- SE

FAMILY Betulaceae- Birch Family

Hornbeam, American- *Carpinus caroliniana*-E

Birch, Sweet- *Betula lenta*-E

Birch, Water- *Betula occidentalis*-W

Hophornbeam, Eastern-*Ostrya virginiana*- E&MW

FAMILY Bignoniaceae- Bignonia Family

Southern Catalpa- *Catalpa bignonioides*-E &SE

FAMILY Caprifoliaceae- Honeysuckle Family

Elderberry (American Elder)-*Sambucus canadensis*- E & MW

FAMILY Cornaceae- Dogwood Family

Blackgum- *Nyssa sylvatica*-E

Dogwood, Flowering- *Cornus florida*-E (MO, VA STATE TREE)

FAMILY Cupressaceae- Cypress Family

Cedar, Eastern Red- *Juniperus virginiana*-E

FAMILY Ebenaceae- Ebony Family

Persimmon- *Diosypros virginiana*-E

FAMILY Fagaceae- Beech Family

Beech, American- *Fagus grandifolia*-E

Oak, Black- *Quercus velutina*-E

Oak, Chestnut- *Quercus prinus*-E

Oak, Chinquapin- *Quercus muhlenbergii*-E&MW

Oak, Live- *Quercus virginiana*-E (GA STATE TREE)

Oak, Northern Red- *Quercus rubra*-E (NJ, Prince Edward Island STATE/Provincial TREE)

Oak, Southern Red- *Quercus falcata*-E

Oak, Pin- *Quercus palustris*-E

Oak, White- *Quercus alba*-E (CT, IL, MD STATE TREE) ,(IA, oak is state tree but no species designated)

FAMILY Ginkgoaceae- Ginkgo Family

Ginkgo- *Ginkgo biloba*- (Introduced widely E & W)

FAMILY Hamamelidaceae- Witch-hazel Family

Sweetgum- *Liquidambar styraciflua*-E

Witchhazel- *Hamamelis virginiana*- E

FAMILY Hippocastanaceae- Buckeye Family

Chestnut, American- *Castanea dentata*- E

FAMILY Juglandaceae- Walnut Family

Butternut- *Juglans cinerea*-E &MW

Hickory, Bitternut- *Carya cordiformis*-E&MW

Hickory, Pignut- *Carya glabra*-E&MW

Hickory, Shagbark- *Carya ovata*-E& MW

Hickory, Mockernut- *Carya tomentosa*- E

Pecan- *Carya illinoensis*- MW (TEXAS STATE TREE)

Walnut, Black- *Juglans nigra*- E

FAMILY Lauraceae- Laurel Family

Sassafras- *Sassafras albidum*- E

FAMILY Leguminosae (Fabaceae)- Legume or bean family

Locust, Black-*Robinia pseudoacacia*-E

Locust, Honey- *Gleditsia triacanthos*- E&MW

Redbud- *Cercis canadensis*-E (OK STATE TREE)

FAMILY Magnoliaceae- Magnolia Family

Magnolia, Southern- *Magnolia grandiflora* E (MS STATE TREE)

Magnolia, Bigleaf- *Magnolia macrophylla*-SE

Yellow-Poplar- *Liriodendron tulipifera*- E (IN, KY, TN STATE TREE)

FAMILY Moraceae- Mulberry Family

Mulberry, Red- *Morus rubra*-E

Mulberry, White- *Morus alba*- E

Osage-Orange- *Maclura pomifera*-W & E

FAMILY Myrtaceae- Myrtle Family

Eucalyptus, Bluegum- *Eucalyptus globulus*- (Introduced widely in W)

FAMILY Oleaceae- Olive Family

Ash, White- *Fraxinus americana*-E

FAMILY Palmae- Palm Family

Palmetto, Cabbage- *Sabal palmetto*-SE (FL,SC STATE TREE)

FAMILY Pinaceae- Pine Family

Hemlock, Eastern- *Tsuga canadensis*-N & E (PA STATE TREE)

Larch,Tamarack- *Larix laricina*-N

Pine, Bristlecone- *Pinus aristata*- W

Pine, Loblolly- *Pinus taeda*-SE (AR STATE TREE)

Pine, Longleaf- *Pinus palustris*-E (AL,NC STATE TREE)

Pine, Pitch- *Pinus rigida*-NE

Pine, Shortleaf- *Pinus echinata*- E & SE

Pine, Virginia- *Pinus virginiana*-E

Pine, White- *Pinus strobus*-E (ME, MI, Ontario STATE/Provincial TREE)

Spruce, Blue- *Picea pungens*-W (CO, UT STATE TREE)

FAMILY Platanaceae- Sycamore Family

Sycamore-*Platanus occidentalis*-E

FAMILY Rosaceae- Rose Family

Mountain Ash, American- *Sorbus americana*-E

Cherry, Black- *Prunus serotina*-E

Hawthorn, Biltmore- *Crataegus pruinosa*-E

Serviceberry, Western- *Amelanchier alnifolia*-W

FAMILY Rutaceae- Rue Family

Hercules-club (Toothache Tree)- *Zanthoxylum clava-herculis*-E

FAMILY Salicaceae- Willow Family

Cottonwood, Black- *Populus trichocarpa*-W

Cottonwood, Eastern- *Populus deltoides*- E (KS, NE, WY STATE TREE)

Willow, Bebb- *Salix besbbiana*-N

Willow, Black- *Salix nigra*- E

FAMILY Simaroubaceae- Quassia Family

Ailanthus (Tree-of-heaven)- *Ailanthus altissima* (Introduced)

FAMILY Taxodiaceae- Redwood Family

Baldcypress- *Taxodium distichum*-E (LA STATE TREE)

Redwood-*Sequoia sempervirens*- W (CA STATE TREE)

Sequoia, Giant- *Sequoiadendron giganteum*-W

FAMILY Tiliaceae- Basswood Family

Basswood, American- *Tilia americana*-E

FAMILY Ulmaceae- Elm Family

Elm, American- *Ulmus americana* E & MW (MA, ND STATE TREE)

Elm, Slippery- *Ulmus rubra*- E

Hackberry- *Celtis occidentalis*-E