



The Dawes Arboretum

Trees ∞ History ∞ Nature

Black Walnut Toxicity

Many plants are injured or killed by the toxic substance Juglone produced in some trees in the walnut family *Juglandaceae*, particularly black walnut, *Juglans nigra*.

Below a list of established trees and shrubs growing at The Dawes Arboretum and elsewhere beneath the canopy of mature black walnut trees:

- *Acer negundo* - boxelder (syn. ashleaf maple)
- *Acer nigrum* - black maple
- *Acer saccharum* - sugar maple
- *Asimina triloba* - pawpaw
- *Betula nigra* 'Heritage' - Heritage river birch
- *Celtis occidentalis* - common hackberry
- *Cercis canadensis* - eastern redbud
- *Clematis terniflora*, (syn. *C. maximowicziana*) - sweet autumn clematis
- *Cornus florida* - flowering dogwood
- *Euonymus europaea* - European spindletree (syn. European euonymus)
- *Euonymus hamiltoniana* - Hamilton euonymus
- *Gleditsia triacanthos* f. *inermis* - thornless honey locust
- *Halesia carolina* - Carolina silverbell
- *Ilex opaca* - American holly*
- *Juniperus chinensis* 'Pfitzeriana' - Pfitzer Chinese juniper
- *Juniperus virginiana* - eastern redcedar
- *Kerria japonica* - kerria
- *Kerria japonica* 'Pleniflora' - double-flower kerria
- *Koelreuteria paniculata* - goldenrain-tree
- *Lindera benzoin* - spicebush
- *Liquidambar styraciflua* - sweetgum
- *Lonicera maackia* - Amur honeysuckle
- *Lonicera tatarica* - Tatarian honeysuckle
- *Lonicera xylosteum* - European fly honeysuckle
- *Morus alba* - white mulberry
- *Picea abies* - Norway spruce
- *Pinus jeffreyi* - Jeffrey pine
- *Platanus occidentalis* - sycamore (syn. American planetree)
- *Populus* sp. - poplar
- *Prunus serotina* - black cherry
- *Pyrus calleryana* - callery pear
- *Quercus alba* - white oak

- *Quercus imbricaria* - shingle oak
- *Quercus rubra* - northern red oak
- *Sambucus canadensis* - American elder (syn. American elderberry)
- *Thuja occidentalis* - American arborvitae
- *Tilia platyphyllos* - bigleaf linden
- *Tsuga canadensis* - Canadian hemlock
- *Viburnum lantana* - wayfaring-tree viburnum

* This is an observation of several plants - many others have failed.