

## BLACK WALNUT TOLERANT

Black walnuts produce a chemical called juglone, which is naturally present in all parts of the tree, with the highest concentrations found in the buds, nut hulls, and roots. Although the leaves and stems contain smaller amounts of juglone, they still contribute to the soil's juglone content as they decompose. The soil directly beneath a black walnut tree's canopy contains the highest levels of this chemical. Other trees closely related to the black walnut—such as butternut, pecan, shagbark hickory, and English walnut—also produce juglone, but in lower concentrations compared to black walnut.

### Trees

Japanese Maple (*Acer palmatum*)  
Red Maple (*Acer rubrum*)  
Sugar Maple (*Acer saccharum*)  
Ohio Buckeye (*Aesculus glabra*)  
Serviceberry (*Amelanchier*)  
River Birch (*Betula nigra*)  
American Hornbeam (*Carpinus caroliniana*)  
Redbud (*Cercis canadensis*)  
Fringe Tree (*Chionanthus*)  
Flowering Dogwood (*Cornus florida*)  
Sweetgum (*Liquidambar*)  
Tulip Tree (*Liriodendron*)  
Tupelo (*Nyssa sylvatica*)  
Sycamore (*Platanus*)  
White Oak (*Quercus alba*)  
Northern Red Oak (*Quercus rubra*)  
Willow (*Salix*)

### Evergreens

Chinese Juniper (*Juniperus chinensis*)  
Common Juniper (*Juniperus communis*)  
Eastern Red Cedar (*Juniperus virginiana*)  
Arborvitae (*Thuja*)  
Eastern Hemlock (*Tsuga Canadensis*)

### Shrubs

New Jersey Tea (*Ceanothus*)  
Pagoda Dogwood (*Cornus alternifolia*)  
Forsythia (*Forsythia*)  
Rose-of-Sharon (*Hibiscus syriacus*)  
Smooth Hydrangea (*Hydrangea arborescens*)  
Shrubby St. John's Wort (*Hypericum prolificum*)  
Juniper (*Juniperus*)  
Beauty Bush (*Kolkwitzia amabilis*)  
Spicebush (*Lindera benzoin*)  
Mockorange (*Philadelphus*)  
Ninebark (*Physocarpus opulifolius*)  
Exbury Rhododendron (*Rhododendron* hybrids)  
Fragrant Sumac (*Rhus aromatic*)  
Elderberry (*Sambucus*)  
Korean Spice Viburnum (*Viburnum carlesii*)  
Southern Arrowwood Viburnum (*Viburnum dentatum*)  
Blackhaw Viburnum (*Viburnum prunifolium*)  
Yucca (*Yucca*)

## **Perennials**

Yarrow (Achillea)  
Windflower (Anemone)  
Aster (Aster)  
Astilbe (Astilbe)  
Lady Fern (Athyrium)  
Bellflower (Campanula)  
Chrysanthemum (Chrysanthemum)  
Wood Fern (Dryopteris)  
Purple Coneflower (Echinacea purpurea)  
Epimedium (Epimedium)  
Joe-Pye Weed (Eupatorium)  
Cranesbill (Geranium)  
Perennial Sunflower (Helianthus)  
Hellebore (Helleborus)  
Daylily (Hemerocallis)  
Coral Bell (Heuchera)  
Hosta (Hosta)  
Siberian Iris (Iris siberica)  
Bleeding Heart (Lamprocapnos spectabilis)  
Lobelia (Lobelia)  
Bee Balm (Monarda)  
Evening Primrose (Oenothera)  
Sensitive Fern (Onoclea sensibilis)  
Cinnamon Fern (Osmunda cinnamomea)  
Summer Phlox (Phlox paniculata)  
Jacob's Ladder (Polemonium reptans)  
Solomon's Seal (Polygonatum)  
Christmas Fern (Polystichum)  
Primrose (Primula)  
Lungwort (Pulmonaria)  
Black-eyed Susan (Rudbeckia)  
Stonecrop (Sedum)  
Goldenrod (Solidago)  
Lamb's Ears (Stachys byzantine)  
Spiderwort (Tradescantia)  
Speedwell (Veronica)

## **Groundcover**

Bugleweed (Ajuga)  
Sweet Woodruff (Galium odoratum)  
Lilyturf (Liriope)

## **Bulbs**

Grape Hyacinth (Muscari)  
Daffodil (Narcissus)  
Siberian Squill (Scilla siberica)  
Tulip (Tulipa)

## **Vines**

Clematis (Clematis)  
Honeysuckle (Lonicera)  
Virginia Creeper (Parthenocissus)  
Wisteria (Wisteria)