

# Black Walnut-Tolerant Plants

Black Walnuts produce a chemical called juglone, which occurs naturally in all parts of the tree, especially in the buds, nut hulls, and roots. The leaves and stems contain smaller quantities of juglone, which is leached into the soil after they fall. The highest concentration of juglone occurs in the soil directly under the tree's canopy. Other trees that are closely related to black walnut, such as butternut, pecan, shagbark hickory, and English walnut also produce juglone, but at concentrations lower than 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*)

# Black Walnut-Tolerant Plants

## 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 sibirica*)  
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 sibirica*)  
Tulip (*Tulipa*)

## Vines

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