

## Plants that Can Grow Under a Black Walnut

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, but highly sensitive plants may exhibit toxicity symptoms beyond the canopy drip line. Because decaying roots can release juglone, toxicity may occur for several years after a tree has been removed. This is a list of plants that have proven to tolerate the juglone chemical.

### Trees:

- Birch (River)
- Dogwood
- Hawthorn
- Honeylocust
- Maple (All Varieties except Silver)
- Oak (All Varieties)
- Redbud
- Serviceberry
- Willow

### Evergreens:

- Arborvitae
- Hemlock
- Juniper

### Shrubs:

- Barberry
- Burning Bush
- Currant
- Dogwood
- Forsythia
- Hydrangea
- Honeysuckle
- Ninebark
- Rhododendron
- St. John's Wort
- Sumac
- Viburnum
- Willow
- Witchhazel

### Perennials, Ornamental Grasses, and Ground Covers:

- Ajuga
- Anemone
- Aster
- Astilbe
- Barrenwort (Epimedium)
- Bee Balm
- Bell Flower
- Bleeding heart
- Coneflower
- Coralbells
- Cranesbill (Geranium)
- Daylily
- Evening Primrose (Oenothera)
- Fern (Christmas, Cinnamon, Fragile, Lady, Wood)
- Hosta
- Iris (Bearded and Siberian)
- Jacob's Ladder
- Joe Pye Weed
- Lamb's Ear
- Lobelia
- Lungwort
- Phlox
- Spiderwort
- Sedum
- Sweet Woodruff
- Yarrow
- Yucca