

Plants That Can Grow Under A Black Walnut Tree

Only certain plants can tolerate the chemical produced by the black walnut, called juglone.



What is Juglone?

Black walnut trees produce a chemical called juglone which seep into the soil below the tree, which can be highly toxic to certain plant species.



PERENNIALS & GROUNDCOVERS

Ajuga	Barrenwort (Epimedium)	Coneflower
Anemone	Bee Balm	Coralbells
Aster	Bell Flower	
Astilbe	Beeding Heart	

Juglone 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.

PERENNIALS & GROUNDCOVERS

Cranesbill	Jacob's Ladder	Spider Wort
Daylily	Joe Pye Weed	Sedum
Evening Primrose	Lamb's Ear	Sweet Woodruff
Lady Fern	Lobelia	Yarrow
Hosta	Lungwort	Yucca
Iris	Phlox	

SHRUBS

Barberry	Forsythia	Ninebark
Currant	Hydrangea	
Dogwood	Honeysuckle	

How Far Does Juglone Reach?

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.

SHRUBS

Rhododendron	Sumac	Willow
St. Johns Wort	Viburnum	Witch Hazel

TREES

River Birch	Oak (All varieties)
Dogwood	Redbud
Hawthorn	Serviceberry
Honeylocust	Willow
Maple (All varieties expect for Silver)	

EVERGREENS

Arborvitae
Juniper

Because decaying roots can release juglone, toxicity may occur for several years after a tree has been removed.



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