



Proud to be 100% New York Native!

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# New York Natives for Black Walnuts

Planting near a black walnut tree (*Juglans nigra*) requires special precautions in the home landscape. 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. The following New York Native Plants are tolerant of the juglone produced by the walnut.

## Perennials/Wildflowers

EUPATORIUM PURPUREUM Sweetscented Joe-pye Weed  
EUTROCHIUM FISTULOSUM Hollow-stemmed Joe-pye Weed  
EUTROCHIUM MACULATUM Spotted Joe-pye Weed  
HELENIUM AUTUMNALE Sneezeweed  
HELIANTHUS DIVARICATUS Woodland Sunflower  
LOBELIA CARDINALIS Cardinal Flower  
LOBELIA SIPHILITICA Blue Lobelia  
MONARDA DIDYMA Beebalm  
MONARDA FISTULOSA Wild Bergamot  
OENOTHERA FRUTICOSA Shrubby Sundrops  
PHYSOSTEGIA VIRGINIANA False Dragonhead  
RUDBECKIA HIRTA Black-eyed Susan  
SENNA HEBECARPA Wild Senna  
SOLIDAGO FLEXICAULIS Zig-zag Goldenrod  
VERNONIA NOVEBORACENSIS New York Ironweed

## Groundcovers

ANEMONE CANADENSIS Canada Anemone  
ASARUM CANADENSE Wild Ginger  
CAMPANULA ROTUNDIFOLIA Harbell  
GERANIUM MACULATUM Wild Geranium  
HEUCHERA AMERICANA Alumroot  
RHUS AROMATICA 'GRO-LOW' Fragrant Sumac 'Gro-low'  
SEDUM TELEPHOIDES Allegheny Stonecrop  
SISYRINCHIUM ANGUSTIFOLIUM Blue-eyed Grass  
VIOLA LABRADORICA Labrador Violet

## Ferns

ATHYRIUM FILIX-FEMINA Lady Fern  
DENNSTAEDTIA PUNCTILOBULA Hay-Scented Fern  
DRYOPTERIS MARGINALIS Marginal Wood Fern  
DRYOPTERIS CELSA Log Fern  
DRYOPTERIS CLINTONIANA Clinton's Wood Fern  
DRYOPTERIS GOLDIANA Goldie's Wood Fern  
ONOCLEA SENSIBILIS Sensitive Fern  
OSMUNDA CINNAMONEA Cinnamon Fern  
POLYSTICHUM ACROSTICHOIDES Christmas Fern

## Vines

CLEMATIS VIRGINIANA Virgin's Bower  
LONICERA SEMPERVIRENS Trumpet Honeysuckle

## Woodland Garden/Deep Shade

ARISAEMA TRIPHYLLUM Jack-in-the-pulpit  
EURYBIA DIVARICATA White Wood Aster  
PODOPHYLLUM PELTATUM Mayapple  
POLEMONIUM REPTANS Jacob's Ladder  
SANGUINARIA CANADENSIS Bloodroot  
SOLIDAGO CAESIA Blue-stemmed Goldenrod  
SYMPHYOTRICHUM CORDIFOLIUM Heart-leaved Aster  
TRILLIUM GRANDIFLORUM White Trillium  
TRILLIUM ERECTUM Red Trillium  
UVULARIA GRANDIFLORA Large-flowered Bellwort

## Shrubs

AMELANCHIER CANADENSIS Serviceberry  
CEANOTHUS AMERICANUS New Jersey Tea  
CORYLUS AMERICANA American Hazelnut  
CORNUS ALTERNIFOLIA Alternate-leaf Dogwood  
CORNUS AMOMUM Silky Dogwood  
HAMAMELIS VIRGINIANA Witchhazel  
HYPERICUM KALMIANUM Kalm's St. John's Wort  
JUNIPERIS COMMUNIS Common Juniper  
LINDERA BENZOIN Spicebush  
PHYSOCARPUS OPULIFOLIUS Eastern Ninebark  
RHODODENDRON PERICLYMENOIDES Pinxterbloom  
RHUS AROMATICA LowRhus aromatica  
ROSA PALUSTRIS Swamp Rose  
ROSA VIRGINIANA Virginia Rose  
RUBUS ODORATUS Purple-flowering Raspberry  
SAMBUCUS CANADENSIS Common Elderberry  
THUJA OCCIDENTALIS Northern White Cedar  
VIBURNUM ACERIFOLIUM Mapleleaf Viburnum  
VIBURNUM DENTATUM Arrowwood

Plants sensitive to juglone show signs of wilting, yellow leaves, stunted or slow growth, and eventually death. Many highly sensitive plants cannot tolerate even a small concentration of juglone and die within a few months. Unless one is aware of the toxicity problem, it is easy to blame these symptoms on other disease or nutritional problems. Unfortunately, there is no cure once plants are affected. Veggies such as tomatoes, potatoes, asparagus, and peppers are very sensitive as well as many common landscaping plants such as columbine, peonies, baptisia, hydrangeas, lilacs, blueberries, potentilla, rhododendron, yew, and red chokeberries.

**Fiddlehead Creek Farm and Native Plant Nursery**

**518-632-5505**

**www.fiddleheadcreek.com**

**7381 St. Rte 40, Hartford, NY**