

Black Walnut Toxicity / Sensitivity

Black Walnuts contain juglone, which is a phytotoxin to many plants, causing wilting, stunted growth and death in certain plants located nearby. Juglone is present in the roots, leaves, nut, nut casings, and wood of the plant.

The average distance plants are affected from a mature tree is 50 to 60 feet; however plants 80 feet away can be affected. If parts of the Black Walnut tree are used in compost this will also have a toxic affect on plants, especially on very sensitive plants like the tomato.

If a tree was grafted to walnut root stock, it will have the same toxic affect in the surrounding area due to the roots.

SENSITIVE PLANTS Others may apply

TREES	SHRUBS	PERENNIALS	FRUITS / VEGTABLES
Box Elder	Red Chokecherry	Peonies	Huckleberry
White Birch	Azalea	Mums	Blackberry
Russian Olive	Hydrangea	Lilies	Blueberry
Michigan Holly	Mountain Laurel	Daffodils	Asparagus
Saucer Magnolia	Privet	Narcissus	Sugar Beets
Hopa Crabapple	Rhododendron	Tulips	Tomato
Apples	Lilac	Some Columbines	Potato
Pine Red & White	Viburnum Cranberry	Forget-me-nots	Cabbage
Higan Cherry	Viburnum Double file		Peppers
Common Elderberry	Yews		Eggplant
Siebold Viburnum	Cotoneaster	ANNUALS	
Silver Maple		Flowering Tobacco	
Hackberry		Petunia	
Norway Spruce			
Mugo Pine			
Basswood			

RESISTANT TO BLACK WALNUT

TREES	SHRUBS	PERENNIALS	FRUITS / VEGTABLES
Dogwood (Alternate leaved)	American Barberry*	Clematis*	Carrot
American Elm	Euonymus*	Multiflora Rose*	Bean
Beech*	Burning Bush*	Korean Viburnum*	Black Raspberry
Black Birch	Forsythia*	Ajuga*	Corn
Black Cherry	Spice Shrub	Hollyhock	Onions
Black Gum*	Rose of Sharon*	Astilbe*	Oats
Black Locust	Tartarian Honeysuckle	Leopards Bane*	Wax Beans
Dwarf Sumac*	Virginia Creeper	Sweet Woodruff*	Peas
Flowering Dogwood	Exbury Rhods*	Daylily*	Parsley
Hawthorne*	Arborvitae*	Hosta*	Melon
Hickory	Currant*	Siberian Iris*	Squash
Hazelnut	Witch Hazel*	Beebalm*	
Honey Locust*	Willow*	Cinnamon Fern*	* Plant material that we usually
Red Oak*	Daphne*	Garden Phlox*	carry
Sassafrass		Jacob's Ladder*	
Staghorn Sumac		Lambs Ear	
Sycamore*		Spiderwort*	
Tree of Heaven		Trillium	
Tulip Tree		Canada Violet	
White Oak*		Pachysandra*	
Japanese Maple*		Wild Ginger*	
Common Catalpa		Most Grasses*	
Redbud*			
Red Cedar & Canadian Hemlock			