

12 Invasive Plants that Threaten our Environment, Economy, and Human Health



Japanese Knotweed



Mile-a-Minute Vine



Japanese Barberry



Oriental Bittersweet



Winged Burning bush



Japanese Stiltgrass



Japanese Knotweed (*Polygonum cuspidatum*) is a shrub-like, upright herbaceous perennial that grows to 10 feet. It spreads vigorously from long, stout rhizomes and forms dense stands. It also produces winged seeds that are carried to new areas. A significant threat to riparian areas.

Control: Cut plants three times per year at ground level during growing season to starve roots and rhizomes.

Mile-a-Minute (*Persicaria perfoliata*) is an annual vine that can grow six inches per day, smothering other vegetation. Seed persists in soil for six years. Seeds are dispersed by birds, mammals and water.

Control: Hand pull plants and roots before fruiting in August. Repeated mowing or weed-whacking will reduce the plants reserves and prevent or decrease flowering. Weevils are effective for bio-control.

Japanese Barberry (*Berberis thunbergii*) is a thorny shrub with a dense twiggy form, growing to five feet. Tolerant of a broad range of soil, moisture and light conditions. Seeds dispersed by birds. Barberry leaf litter changes the chemistry of the soil, displacing many native herbaceous and woody plants. Provides optimum tick habitat. **DO NOT BUY or PLANT**

Control: Pull or dig young plants, making sure to get the roots. Repeated cutting of large plants. Weed wrench[®] is effective for uprooting.

Oriental Bittersweet (*Celastrus orbiculatus*) is a very aggressive vine that smothers other vegetation. It has twining stems that strangle shrub and tree limbs and the weight of the vine can uproot and topple trees. Birds are attracted to the berries and spread seed. The vine also spreads by root suckering. **DO NOT BUY OR PLANT**

Control: Pull small plants including roots. Cut larger vines close to the ground every two weeks to prevent resprouting and to deplete the root system. Properly dispose of seeds.

Winged Burning Bush (*Euonymus alatus*) is a deciduous shrub that tolerates a wide variety of soil, moisture and light conditions. The plant produces hundreds of seedlings that are spread by wildlife. This shrub forms dense thickets, displacing native wood and herbaceous species in many habitats including forests and coastal shrublands. **DO NOT PLANT**

Control: Pull or dig small plants, making sure to remove the entire root. Large plants can be cut at ground level but repeated cutting will be necessary.

Japanese Stiltgrass (*Microstegium vimineum*) is an annual grass that forms dense stands and is very shade tolerant. Spread by seed and by rooting at joints along the stem. A single plant can produce as many as 1,000 seeds and are viable in the soil for three years.

Control: Cut, pull, or mow at end of July. Dispose of roots and shoots.

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Norway Maple



Norway Maple (*Acer platanoides*) is a large tree that spreads by numerous, germinating seeds. Tree can dominate a forest by creating canopy of dense shade that prevents regeneration of native seedlings. Tolerates hot dry conditions and poor soils. **DO NOT BUY OR PLANT**
Control: Pull seedlings when soil is moist and dig out larger plants with roots. Cut down large trees and grind stumps or girdle tree in spring.



Mugwort



Mugwort (*Artemisia vulgaris*) is a perennial weed that spreads aggressively through extensive rhizomes and by seed. It forms mono-specific stands anywhere soil is disturbed. Thrives in sun but tolerates shade.
Control: Mow or cut to ground every 2-3 weeks for 2 years. Pulling may result in more plants since it regenerates from its extensive rhizomes. Cut to prevent seedheads from forming.



Autumn Olive



Autumn Olive (*Elaeagnus umbellata*) is a fast-growing woody shrub or tree that produces abundant fruits. Wildlife spread the seed after eating the fruits. This plant grows in disturbed areas such as clearings, open fields and forest borders.
Control: Pull or dig young plants, making sure to get roots. Cut large plants at ground level when in flower to prevent seed production. Repeated cutting will be required.



Multiflora Rose



Multiflora Rose (*Rosa multiflora*) is a thorny shrub that can form dense thickets and can also climb like a vine. It spreads by root suckering, tip layering, and by seed dispersal when wildlife consume its fruits. Often found along roadsides and fields. **DO NOT PLANT**
Control: Hand pull or dig, removing entire root to prevent resprout. Repeated mowings during growing season for 2-4 years can be effective.



Porcelainberry Vine



Porcelainberry (*Ampelopsis brevipedunculata*) is a vigorous climbing vine that blankets shrubs and small trees, weakening and killing them by blocking sunlight. Fast growing with prolific seeds, it prefers moist habitats and disturbed areas, thriving in a variety of light conditions. Seeds are spread by birds and mammals. **DO NOT PLANT**
Control: Hand pull vines in the fall or spring. Cut large vines at ground level and cut regrowth as needed.



Black Swallow-wort



Black Swallow-wort (*Cynanchum louiseae*) is a perennial trailing vine. It spreads through rhizomes and wind dispersal of seeds. It is tolerant of a wide range of moisture and light conditions. A threat to Monarch butterflies when eggs are deposited on its leaves since caterpillars cannot eat this plant and perish. **DO NOT PLANT SWALLOW-WORTS**
Control: Pull or Dig up large root masses, April to July. Bag and dispose of roots and seed pods.