Where to find more information

In your own backyard Learn about the plants on your property. Do you have invasive plants? Do the invasive plants overwhelm the native plants? Consider removing invasive plants from your yard and garden, and replace them with non-invasive and native plants in your landscaped areas. Don't feel like you have to do it all at once; remove and replace invasive plants as your time and budget allow. Every little bit helps.

Volunteer your time Local groups and park managers

host year-round volunteer work

parties, so consider lending a few

hours to help protect and restore

healthy form of outdoor exercise

suitable for all ages, and it's

rewarding work.

areas. Removing invasive plants is a

your favorite parks and natural

What you can do At home and in your parks

Terrestrial Invasive Plants

Stnald svisavni na si tanW

biological pollution. been referred to as a form of communities. Invasive plants have natural areas and altering biological spread aggressively, taking over ranges, they reproduce rapidly and keep them in check in their native

the plant-eaters and parasites that environment or health. Free from negative effects to our economy. settings into natural areas with accident and spread from human introduced intentionally or by native species that have been -non ylleuzu are usually non-

Why should you be concerned?

and controlling the spread of make a difference by preventing and climate change, we can each biodiversity as habitat destruction of such global threats to likely to be a problem. In the face natural area, invasive plants are property, a local park, or a far away acting as a steward for your own immeasurable. Whether you are

invasive species.

straive plants Learn how to identify

local groups. walks, weed control workdays, and invasive species trainings offered by in our region and how to control them. You can also participate in plant how to identify 10 of the most prevalent and problematic invasive plants For a start, unfold this brochure to the inside section, where you will learn

Illustrations by Rachel Rogge © 2008 The Nature Conservancy

inflict on our natural heritage is

sgemeb ni yllennne noillid 0218

alone, invasive species cost over

cycling in soils, and inhibit native

natural fire regimes and nutrient

food and habitat for wildlife, alter

displace native species, eliminate

degradation. Invasive plants can

threats to our natural heritage,

Invasive species are one of the top

along with habitat loss and

plant regeneration. In the U.S.

and control, and the cost they

Spread the word, not the weed

vehicles that may be driven into natural areas. prevent new invasions by cleaning soil from your shoes and the tires of to stop erosion or feed animals, or even on your pant legs. Please help shoe or tire treads, in the soil of transplanted plants, in hay or straw used hike" to new environments. Weed seeds can be carried in soil trapped in Seeds of invasive plants are well adapted to spreading and easily "hitch-

Become an educated consumer

from this brochure with you to your nurseries and show them some examples. the "Recommended Landscape Alternatives to Invasive Plants" wallet guide be sure the plant you want is not invasive, and ask for alternatives if it is. Take Don't purchase or transplant invasive plants. Ask plant sellers before you buy, to

organisms in the area Other types of invasive

invaded our forests, fields and waters. A variety of plants and animals has

and other recreation. ponds, interfering with boating salvinia choke our lakes and water chestnut and giant Invasive aquatic plants like

sity and health of our rivers and tive species, harming the divercompete with and displace nahead fish and virile crayfish Invasive animals like the snake-

streams.

lions of native trees each year. hemlock woolly adelgid kill milash borer, Japanese beetle, and Invasive insects like the emerald

Plants AVISAVIL ot souther Alternatives to Recommended

anipage Bribnuomus Watershed and of the Potomac River

nature.org/maryland "Recommended Landscape Alternatives to Invasive Plants wallet guide, please visit

Many states, counties and university extension services can help you gather more information, and regional non-profit groups offer excellent resources and post their volunteer opportunities. Visit these organizations online:

- The Nature Conservancy of MD/DC www.nature.org/maryland/invasives
- National Park Service www.nps.gov/plants/alien
- Mid-Atlantic Exotic Pest Plant Council

www.ma-eppc.org

- The Nature Conservancy's Global Invasive Species Team tncweeds.ucdavis.edu
- Maryland Native Plant Society www.mdflora.org

This brochure produced through the dedication and cooperation of the following partners:





- Virginia Native Plant Society www.vnps.org
- USDA Invasive Species Information Center

www.invasivespeciesinfo.gov

Maryland DNR Invasive Species Resource Center

www.dnr.state.md.us/invasives

- Virginia DCR Natural Heritage www.dcr.virginia.gov/natural_ heritage/invspinfo.shtml
- West Virginia DNR Wildlife Resources www.wvdnr.gov/Wildlife/

InvasiveWV.shtm



of the **Potomac River Watershed**



Garlic Mustard

Alliaria petiolata

Garlic mustard has a two-year life cycle, and one plant can produce more than 7,000 seeds before dying. The plants smother spring wildflowers and produce toxins to prevent the growth of native plants.
The leaves and habit of 1st and 2nd year plants are dif-

ferent, but the scalloped-edge leaves, white four-petaled flowers in the 2nd year, and

bent white taproot are easy to identify. To remove, pull gently to dislodge the root, preferably when the soil is moist. Discard flowering and seeding plants with your garbage.

Japanese Stiltgrass

This annual grass shows up in the summer and rapidly forms a dense monoculture along roads, woods and streams, choking out groundcovers and tree seedlings. Each plant can

form 1,000 seeds. Stiltgrass leaves are divided into unequal halves by a silvery line. The plant gets its name by the aboveground roots that hold it up, like stilts on a boardwalk.

' Its shallow roots make stiltgrass easy to pull up. Remove several times each summer to encourage new seeds to grow and thus exhaust the seed supply.

Japanese Barberry Berberis thunbergii

- [•] This plant can form dense thickets and alters the pH, nitrogen and biological activity levels in the soil, preventing native forest species from growing.
- The Japanese barberry's spoonshaped leaves have smooth edges, distinctive solitary spines by the buds and red berries that may persist through the winter.

In natural areas, cut the plants close to the ground. In garden settings, pull or dig up plants, removing all root fragments to prevent regrowth.

Japanese Honeysuckle

Lonicera japonica

This twining vine can strangle and overwhelm small trees, carpet forest floors and alter the structure of a forest.

• The evergreen leaves of Japanese honeysuckle grow opposite one another, and the bark shreds off in long brown and tan strips. Fragrant flowers emerge in the spring, and black berries may persist through the winter.

• In natural areas, cut the vines at the ground and again at eye level. Untwine the cutaway sec-



English Ivy

Hedera helix

 This evergreen vine can kill large trees, or weigh them down to the point of collapse. On the ground, it can rapidly smother native vegetation, even the toughest weeds.

- English ivy leaves stay dark green year round, but as the ivy climbs trees, its leaves change shape and vines grow hairy. The vines produce blue-black berries in the fall.
- On trees, cut a section of vine near the base and pry from the tree to leave a gap. In gardens, pull or dig up all root fragments of groundcover.

Exotic Wisteria

Wisteria japonica, W. sinensis

- This twining vine can strangle and overtop tall trees, carpet forest floors, and alter the structure of a forest.
 - Wisteria's crinkled leaves are composed of many small leaflets (compound), and the bark is gray and
 - tightly stretched. Short-lived fragrant purple flowers emerge in
 - early summer and yield long fuzzy seed pods.
 - In natural areas, cut the vines at the ground and again at eye level. Untwine the cutaway section, and leave the remainder above to dry out and die.

Wineberry Rubus phoenicolasius

- This bush can form dense thickets and displaces native plants that provide food and shelter for birds and mammals.
- Wineberry leaves are comprised of three leaflets—the middle one larger than the other two—and the underside of the leaves is white. Arching stems with red hairs and red
- thorns and red fruit in summer are distinctive.
- In natural areas, cut the plants close to the ground and cut rooting tips. In gardens, pull or dig up plants, removing all root fragments to prevent regrowth.

Oriental Bittersweet

Celastrus orbiculatus

- This twining vine can strangle and overtop tall trees, form dense thickets, and alter the structure of a forest.
 - The glossy leaves have small teeth, and leaf tips are rounded, or may narrow to a point. Young vines have small white dots and very sharp buds. Older bark is rough and furrowed
 - sharp buds. Older bark is rough and furrowed. In natural areas, cut the vines at the ground and



hite. rs and red mer are distinctive. nts close to the ground and cut re up plants, removing all root fragi



tion, and leave the remainder above to dry out and die.

Bush Honeysuckle

Lonicera maackii, L. morrowii, L. tartarica

- This bush forms dense thickets, competes with native species for soil nutrients and casts dense shade from early spring to late fall, preventing the growth of species beneath.
- The bush honeysuckle's leaves grow opposite one another, and the bark looks like it has been scratched by a cat. Fragrant flowers emerge in the spring, and the multi-branched shrubs can reach 20 feet in height.
 - Red berries persist through the fall into early winter.
 - In natural areas, cut the plants close to the ground. In gardens, pull or dig up plants, removing all root fragments.

VEN

again at eye level. Untwine the cutaway section, and leave the remainder above to dry out and die.

Multiflora Rose

This bush crowds out native vegetation, depletes soil nutrients, climbs trees, and displaces the native plants that provide food and shelter for birds and mammals.



• The toothed leaves of multiflora rose have bases that resemble eyelashes. Curved thorns, white flowers in early summer and red fruits in the fall are distinctive features..

• In natural areas, cut stems of the plants close to the ground and cut rooting tips. In gardens, pull or dig up plants, removing all root fragments.