Beautiful Non-Invasive Plants for your Garden

A Guide for Southern Ontario

Spring 2011
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**Foreword from Landscape Ontario**

Thank you for picking up this guide and showing your support for the importance of plants in the landscape.

The alternative plants listed here match the growing conditions, site requirements and garden effect of their sometimes problematic invasive counterparts. They were chosen based on their availability at Ontario’s nurseries and garden centres. This guide will help you take full advantage of the wealth and variety of planting stock available across the province.

The issue of invasive species can be controversial and complex. A plant can be a huge problem in one area of the Province and present absolutely no risk in another area. It is hard to believe that some of our favourite plants can cause economic and environmental damage. They can.

The vast majority of horticultural species pose no threat, and can be beautiful additions to any garden. However, some species can cause serious problems if planted near natural areas where they have a tendency to out-compete native species and alter local environmental conditions. For example, some species reproduce by creeping roots, and may be perfectly suitable in built-up urban locations where spread into natural ecosystems is unlikely. Furthermore, not all plants in a certain family or genus are the same, and cultivated varieties are not necessarily as prolific as their parent species, but more research is needed.

When making your plant choices we at Landscape Ontario wish you the best success. Ontario’s green industry is on hand to provide you with a multitude of alternatives listed in this guide. We hope you make full use of the Grow Me Instead alternatives guide, and look forward to continuing our service to you in the years to come.

Sincerely,

Tony DiGiovanni  
*Executive Director, Landscape Ontario Horticultural Trades Association*

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**Gardening Best Management Practices**

- Learn to properly identify and manage invasive plants on your property and remove plants when the infestation is small, to prevent their spread. Techniques for removal include pulling, removing flowers before they seed and the application of herbicide by a licensed contractor.

- Dispose of yard waste through your local municipality or in your backyard compost. Yard waste dumped in natural areas can disturb the natural vegetation leading to erosion and the spread of invasive species. If disposing of invasive plants/plant parts, place in a garbage bag and leave it in the sun for 5 days, then throw it in the garbage or burn. Do not compost invasive plants as seeds can remain viable and flowers can produce seeds, even after the plant has been removed from the soil.

- Don’t take plants from natural areas, they may be rare or even invasive.

- Dispose of annual water plants at the end of the growing season properly. Putting them into local waterways could result in these invasive plants overwintering during mild winters and impact local native wetland and water side vegetation.

- Purchase non-invasive or native plants from reputable suppliers. Native plants will provide a variety of benefits to the plants and wildlife that also depend on them. Consider soil and light conditions when selecting native plants to ensure their success.

- Share these Best Management Practices and spread the word to friends, family and neighbours. Know what you are growing and take care when swapping plants.

- When in doubt about a plant, whether it is invasive or how it should be controlled, contact the “Invading Species Hotline” @ 1-800-563-7711 or www.invadingspecies.com or www.ontarioinvasiveplants.ca
Invasive Plant Definition

An invasive plant is an alien species whose introduction or spread negatively impacts native biodiversity, the economy and/or society, including human health. Second to habitat loss, invasive species have been identified by the International Union for Conservation of Nature as the most significant threat to biodiversity.

Impacts of Invasive Plants in Ontario

Invasive plants are spreading through our natural ecosystems, urban landscapes, and agricultural lands at an alarming rate. Invasive plants spread through several key pathways of invasion including:

- increased international, national, and regional travel and trade
- horticulture, gardening, and ornamentals
- seed mixtures (re-vegetation, birdseed, wildflower)
- transportation and utility corridors
- recreation
- wildlife, livestock, humans, and pets.

If native plant communities are replaced by invasive plant infestations, biodiversity declines and habitats change. Invasive plants are more than simply “plants out of place;” these invaders are far-reaching in their impacts, permanently altering landscapes and ecosystem functions and costing economies millions of dollars each year. Impacts associated with the introduction and spread of invasive plants are not unique to one industry, organization, or community – all citizens, regions, and industries in Ontario are affected. These unwanted invaders can negatively impact:

- rangelands by reducing forage quality and quantity
- forestry operations by competing with seedlings for light, nutrients, and water
- recreation opportunities by puncturing tires, obstructing trails, and reducing aesthetics
- water quality and quantity by increasing erosion and sedimentation
- ecosystems by disrupting photosynthesis and nutrient cycles

Impacts of invasive plants are often irreversible and restoration can be extremely difficult, if not impossible. Preventing their establishment and spread is key!

Seed Sourcing

In addition to choosing non-invasive alternatives for your garden, the geographic origin (termed “seed source”) of those alternatives is important to know to ensure they will be genetically adapted to your area and therefore healthy and strong. Look for plants that are grown from locally-sourced seed or seed from areas with similar climate conditions. By working with plants that are genetically adapted to your area, you will maximize growth and vigor, and minimize heat-stress, winterkill, frost damage, and insect and disease problems. Remember, the most expensive planting is a failed planting. Always ask your local garden supplier about the source of their plants and encourage them to provide locally-adapted material. The widely available Canada Plant Hardiness Zones www.planthardiness.gc.ca, or Ontario’s Tree Seed Zones (www.fgca.net) can help you with seed source decisions.

Grow Me Instead informs gardening enthusiasts about some of the popular invasive plants that can sometimes cause problems in the landscape. It highlights a variety of native and non-native plant alternatives found to be non-invasive in Ontario. Whether you are adding new, attractive plants to your garden, starting a landscape project, or removing invasive plants, we hope this guidebook will be a valuable resource. By working together, we can ensure that future generations will enjoy the naturally beautiful landscape of Ontario, while nourishing sustainable communities, healthy ecosystems, and vibrant gardens.
Groundcovers and Grasses

English ivy is native to Europe, western Asia and northern Africa. It has been developed into hundreds of varieties and can now be found in gardens throughout North America.

Although technically a vine, this evergreen perennial is commonly used as a groundcover in dense shade. Whether in shade or sun, English ivy will persist and spread vegetatively through its long vines that root at the nodes in almost any soil type. It is easily identified by its dark green three-lobed leaves placed alternately on its flexible woody vine.

Despite its pervasiveness in gardens and nearby natural areas, not a single North American animal uses English ivy for food. Indeed, this is one of the causes of its invasive nature, the other being its considerable adaptability.

Periwinkle is native to Europe, but can now be found in gardens throughout North America. Its popularity is based on its ease of care, dense growth, and its ability to grow in dry shade, a difficult gardening situation.

Periwinkle grows to a height of 3-6 inches and is characterized by glossy evergreen foliage and long-lasting blue-violet flowers. It has few pests or diseases outside its native range, which contributes to its persistence. It spreads via its shallow root system.

Goutweed is native to Eurasia but can now be found in gardens throughout North America.

Also referred to as Bishop’s Weed, this perennial groundcover tolerates a wide range of soil conditions including moist areas and disturbed sites. It is highly shade-tolerant and competitive once established, reproducing by seed and spreading by underground stems called rhizomes. It is most commonly found around shrubs in old gardens.

Plants grow about 12 inches high with green leaves that are divided into three leaflets. Some cultivars have variegated leaflets that are green near the centre but whitish around their margins. Umbrella-like white flowers appear in mid-summer.

Garden use: groundcover for sunny gardens

Growing conditions: sun; sand, loam or clay; dry to average soil

Size and shape: low-growing and spreading; 15 cm tall

Flower and fruit: small white flowers in late-spring; small edible red berries early-summer

Leaves: three-lobed and toothed

Additional info: spreads by runners and forms colonies

Wild Strawberry

(\textit{Fragaria virginiana})
**Groundcovers and Grasses**

**Wild Ginger** *(Asarum canadense)*
- **Garden use:** groundcover for shade; woodland garden
- **Growing conditions:** shade; average to moist, humus-rich soil
- **Size and shape:** 15-20 cm tall; clump-forming
- **Flower and fruit:** single maroon flower under leaves in late-spring
- **Leaves:** soft green heart-shaped
- **Additional info:** spreads slowly by roots to form attractive groundcover; drought-tolerant once established; deer-resistant; roots have a sweet ginger smell and taste, can be used in cooking

**Mayapple** *(Podophyllum peltatum)*
- **Garden use:** groundcover for shade; woodland garden
- **Growing conditions:** deciduous shade (needs spring sun); average to moist soil
- **Size and shape:** up to 40 cm tall with one or two leaves
- **Flower and fruit:** a single white flower under leaves in spring
- **Leaves:** large, umbrella-like, deeply lobed leaves unravel in early spring
- **Additional info:** one of the first wildflowers to emerge in spring; forms colonies; fruit is edible only when ripe (yellow and soft) in late summer

**Wintergreen** *(Gaultheria procumbens)*
- **Garden use:** shady groundcover; woodland habitat garden
- **Growing conditions:** partial shade; dry to moist; prefers acidic soil
- **Size and shape:** 10-15 cm tall
- **Flower and fruit:** fragrant white flowers in spring; bright red berries in fall
- **Leaves:** small, tough and fragrant; can be chewed for appealing minty flavour
- **Additional info:** medicinal teas made from fruit and leaves

**Bunchberry** *(Cornus canadensis)*
- **Garden use:** groundcover for shady location
- **Growing conditions:** shade; average to moist, humus-rich soil
- **Size and shape:** 15-20 cm tall; clump-forming
- **Flower and fruit:** single maroon flower under leaves in late-spring
- **Leaves:** soft green heart-shaped
- **Additional info:** spreads slowly by roots to form attractive groundcover; drought-tolerant once established; deer-resistant; roots have a sweet ginger smell and taste, can be used in cooking

**Wintergreen** *(Gaultheria procumbens)*
- **Garden use:** groundcover for shade; woodland garden
- **Growing conditions:** typically found on rich soils but can withstand nutrient poor soil in damp, cool conditions; acid soil or peat moss
- **Size and shape:** 7-20 cm tall
- **Flower and fruit:** showy cream-green flowers throughout summer followed by red berries
- **Leaves:** smooth-edged upper leaves are green above and whitish below; oblong or egg-shaped and pointed at the tip
- **Additional info:** often grows on stumps or rotting logs in coniferous forests
Groundcovers and Grasses

**Garden use:** groundcover in shade

**Growing conditions:** partial shade; rich and moist, well-drained soil

**Size and shape:** low, trailing deciduous shrub up to 45 cm tall

**Flower and fruit:** red berries in fall

**Leaves:** dense foliage turns scarlet in fall

**Additional info:** native to eastern North America; more vigorous than Euonymus fortunei

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**Garden use:** groundcover for shady woodland garden

**Growing conditions:** sun to partial shade; dry to moderate; sand or clay

**Size and shape:** 30-60 cm tall; clump-forming

**Flower and fruit:** showy pink or magenta blooms in late-spring and early-summer

**Leaves:** loose mounds of deeply-lobed leaves

**Additional info:** nectar source for hummingbirds; often forms colonies

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**Garden use:** groundcover for shady woodland or rock garden

**Growing conditions:** partial to full shade; average to moist, humus rich loam soils

**Size and shape:** 13-25 cm tall

**Flower and fruit:** small white star-like flowers on spikes in spring and early-summer

**Leaves:** maple-like leaves turn red in fall and remain throughout winter

**Additional info:** spreads by runners

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**Garden use:** rooftop, butterfly and bird gardens

**Growing conditions:** sun to partial shade; dry to medium; sand and loam

**Size and shape:** 5-15 cm tall shrub with multiple stems

**Flower and fruit:** showy white-pink flowers in spring and summer followed by showy red fruit

**Leaves:** shiny and leathery, bronze in fall

**Additional info:** drought tolerant; moderate spreader; good replacement for invasive groundcovers
Groundcovers and Grasses

Miscanthus grasses are native to Africa and Asia, but many species including these ones are used in gardens in temperate regions around the world.

It is an herbaceous perennial plant growing to 2 metres or more in height and forming dense clumps.

Flower heads change in colour from red to pink, before maturing to a silver colour. It spreads by rhizomes and seed.

Garden use: ornamental grass in border plantings; intermixed with wildflowers in prairie and meadow gardens as well as rooftop gardens

Growing conditions: full sun to partial shade; dry to moist
sand, loam and clay

Size and shape: 1-2.5 metres tall

Flower and fruit: rich gold-purple sprays of flowers and seeds in the fall

Leaves: long, flat and narrow blades are dull to dark green

Additional info: drought and compaction-tolerant; consumed by wildlife and livestock

Miscanthus (Miscanthus sinensis and M. sacchariflorus)

Indian Grass (Sorghastrum nutans)

Big Bluestem (Andropogon gerardii)

Switchgrass (Panicum virgatum)

Groundcovers and Grasses

Garden use: ornamental grass in border plantings; intermixed with wildflowers in prairie and meadow gardens as well as rooftop gardens

Growing conditions: full sun to partial shade; well-drained sand or loam

Size and shape: 1-2.5 metres tall, clumping grass

Flower and fruit: blue-red “turkey’s foot” flowers in summer

Leaves: elegant blades turn bronze in fall

Additional info: extremely drought-tolerant and useful for erosion control; attracts birds and butterflies

E. Snyder

E. Snyder

S. James

S. James
Trees and Shrubs

**Norway maple**
*(Acer platanoides)*

**Garden use:** specimen planting; edible ornamental; screen; naturalized area

**Growing conditions:** full sun to partial shade; moist to semi-dry soils; tolerant of a wide range of soil conditions

**Size and shape:** 5-8 metres tall with round, open crown

**Flower and fruit:** white flower clusters at branch tips in spring; edible fruit ripen in summer

**Leaves:** emerging leaves purplish-bronze on *A. laevis* only; both species rich green in summer, turning to yellow, orange and deep red in fall

**Additional info:** highly prized by gardeners and birds for delicious fruit

**Downy and Smooth Serviceberry**
*(Amelanchier arborea and A. laevis)*

**Garden use:** specimen planting; edible ornamental; screen; naturalized area

**Growing conditions:** full sun to partial shade; moist to semi-dry soils; tolerant of a wide range of soil conditions

**Size and shape:** 5-8 metres tall with round, open crown

**Flower and fruit:** white flower clusters at branch tips in spring; edible fruit ripen in summer

**Leaves:** emerging leaves purplish-bronze on *A. laevis* only; both species rich green in summer, turning to yellow, orange and deep red in fall

**Additional info:** highly prized by gardeners and birds for delicious fruit

**Hackberry**
*(Celtis occidentalis)*

**Garden use:** specimen planting

**Growing conditions:** full sun to moderate shade; adapted to range of soils; drought resistant; tolerates difficult urban conditions

**Size and shape:** 15 metres tall with broad, upright crown

**Flower and fruit:** small, unassuming green flowers; reddish-purple berry-like fruit maturing in fall and often persisting through winter

**Leaves:** green, elm-like leaves turning to yellow in fall

**Additional info:** long-lived (150 years) hardy tree; interesting ridged bark pattern; persistent fruits provide food for over-wintering birds

**Sugar, Silver and Freeman Maples**
*(Acer saccharum, A. saccharinum and A. x freemanii)*

**Garden use:** shade tree; specimen planting

**Growing conditions:** full sun to partial shade; moist soils for silver and Freeman maples; deep, rich soils for sugar maple

**Size and shape:** 30-35 metres tall; upright to rounded crown

**Flower and fruit:** small, yellow to red flowers emerging before leaf-out in early spring; paired, winged maple “keys” developing in spring on silver and Freeman maples, and in fall on sugar maples.

**Leaves:** medium to light green deeply lobed leaves; fall colours from brilliant yellows to reds

**Additional info:** silver maple has an aggressive root system and should not be planted near pipes and foundations; Freeman maple is a natural hybrid of red and silver maple and exhibits some of the best attributes of both species; sugar maple may have difficulty in exposed, urban situations
The hardy and adaptable Russian olive was typically planted in poor sites and along roadways due to its high drought and salt tolerance and rapid growth.

A native of southern Europe through the Himalayas, it is generally single-stemmed with a full crown reaching a height of 3-4 metres.

Russian olive is often misidentified as a willow because of its dull green-gray leaves, but is differentiated by its long fruit that matures in autumn, and thorns. It is especially problematic because of its ability to reproduce via root suckers.

Garden use: small specimen planting with edible fruit for birds and people
Growing conditions: full sun to part shade; prefers disturbed soils
Size and shape: 4-10 metres tall; multi-stemmed small tree or large shrub with 3-5 metre wide crown
Flower and fruit: small, fragrant white flowers in flat clusters in spring; small, red-purple cherries in late summer
Leaves: glossy dark green in summer; yellow in fall
Additional info: important commercial food crop used in jellies, juices, preserves and syrup; chokecherry used in many land reclamation projects and on erosion-prone and riparian areas for extensive root mass

Garden use: stand alone shrub ideal for shady areas; planted for its fall colour and fall blooming effect
Growing conditions: full sun to partial shade; prefers cool, moist acidic soils; somewhat pollution tolerant
Size and shape: 4-8 metres tall; multi-stemmed and wide-spreading
Flower and fruit: showy yellow flowers with spicy scent in fall; seedpods persist through winter and can eject seeds when touched
Leaves: bright to dark green; vibrant yellow colour in fall compliments late blooms
Additional info: the only Canadian tree or shrub to bloom in fall; common name originates from its use as divining rod material to locate subterranean water and mineral deposits

Garden use: specimen planting; naturalized areas; screen or hedge
Growing conditions: partial shade with moist soil; full sun acceptable if site is cool and moist
Size and shape: 5-6 metres tall; prominently tiered branching with loose crown
Flower and fruit: small, fragrant white flowers in flat clusters in spring; small fruit changing from green to red to blue-black in summer; fruit stalks persistent through winter with bright coral red colour
Leaves: prominently veined, alternate deep green leaves typically in whorled clusters at branch tips
Additional info: desirable for its tiered branch structure, lending to its other common name “Pagoda Dogwood”

Garden use: small specimen planting with edible fruit for birds and people
Growing conditions: full sun to part shade; prefers disturbed soils
Size and shape: 4-10 metres tall; multi-stemmed small tree or large shrub with 3-5 metre wide crown
Flower and fruit: small, fragrant white aromatic flowers in spring; small, red-purple cherries in late summer
Leaves: glossy dark green in summer; yellow in fall
Additional info: important commercial food crop used in jellies, juices, preserves and syrup; chokecherry used in many land reclamation projects and on erosion-prone and riparian areas for extensive root mass

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Trees and Shrubs

Autumn olive originated in Asia, but is now a common shrub in southwestern Ontario where it thrives on nutrient-poor soil and spreads via root suckers.

It grows to a height of 3-4 metres in a short period of time and is generally multi-stemmed.

Sometimes confused with Russian olive, autumn olive has deep green leaves with silvery undersides, deep red to purple fruit, and a more shrubby appearance than its single-stemmed cousin. Silver-white flowers produce a strong fragrance in May.

**Garden use:** naturalized area, or specimen planting

**Growing conditions:** full sun to partial shade

**Size and shape:** 2-3 metres tall and wide

**Flower and fruit:** cream-white flowers and prominent white berry clusters in late spring, with vibrant red stems persisting through winter

**Leaves:** blue-green; deep crimson-purple in fall

**Additional info:** excellent shrub for varied conditions; responds well to pruning; may spread via root suckers

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Autumn Olive (Elaeagnus umbellata)

**Garden use:** stand alone shrub, screen or hedge

**Growing conditions:** full sun to partial shade; adaptable to various soil types

**Size and shape:** 2-3 metres tall and wide; dense and rounded with age

**Flower and fruit:** white to pink domed flower clusters in spring; dry red-brown pods in fall

**Leaves:** medium green; vibrant yellow-bronze in fall

**Additional info:** very hardy and adaptable shrub offering winter appeal with exfoliating bark

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Common Ninebark (Physocarpus opulifolius)

**Garden use:** low hedge, tall groundcover

**Growing conditions:** hot, dry conditions in full sun; adaptable to varied soils

**Size and shape:** 0.5-2 metres tall; 2-3 metres wide

**Flower and fruit:** yellowish clusters of small flower “catkins” on males in spring; red, hairy clusters of fruit on female plants in late summer

**Leaves:** fragrant blue-green leaves with a glossy upper surface; vibrant orange, or red-purple in fall

**Additional info:** good shrub for naturalized areas; may grow quite thick and intertwined; important cover and food crop for birds

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Gray Dogwood (Cornus foemina ssp. recemosa)

**Garden use:** stand alone shrub, screen or hedge

**Growing conditions:** full sun to partial shade; adaptable to various soil types

**Size and shape:** 2-3 metres tall and wide; dense and rounded with age

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Fragrant Sumac (Rhus aromatic)

**Garden use:** naturalized area, or specimen planting

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Fragrant Sumac (Rhus aromatic)

**Garden use:** naturalized area, or specimen planting

**Growing conditions:** full sun to partial shade

**Size and shape:** 2-3 metres tall and wide

**Flower and fruit:** cream-white flowers and prominent white berry clusters in late spring, with vibrant red stems persisting through winter

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**Additional info:** excellent shrub for varied conditions; responds well to pruning; may spread via root suckers
**Non-native Bush Honeysuckles**

All five of these honeysuckles originally range from central Asia through the mountains of Europe. They have all shown an invasive tendency—with rapid growth and high reproduction—taking over large natural areas.

These multi-stemmed plants range from 2-5 metres tall and wide at maturity, and have simple leaves that remain green through the fall. Summer leaf colour is fairly similar among these four ranging from a blue-green to dark green. The flowers range in colour from white to pink to crimson.

**INVASIVE**

*Tartarian, Amur, Morrow, Bells, European Fly Honeysuckle (Lonicera tartarica, L. maackii, L. morrowii, L x. bella, L. xylosteum)*

**Common Ninebark (Physocarpus opulifolius)**

**Garden use:** stand alone shrub, screen or hedge  
**Growing conditions:** full sun to partial shade; adaptable to various soil types  
**Size and shape:** 2-3 metres tall and wide; dense and rounded with age  
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**Leaves:** medium green; vibrant yellow-bronze in fall  
**Additional info:** very hardy and adaptable shrub offering winter appeal with exfoliating bark

**Garden use:** shrub borders, small flowering tree, hedges  
**Growing conditions:** full sun to shade; moist to dry sites  
**Size and shape:** 4-5 metres tall; irregular to rounded form with upright branching  
**Flower and fruit:** dense, showy cream-white flower clusters 5-10 cm wide in spring; hanging clusters of edible 1 cm long fruit change from green through yellow, pink, rose and finally blue-black  
**Leaves:** light green maturing to dark, glossy green; deep maroon to red in fall  
**Additional info:** a very versatile species capable of growing in full shade or open sites; grows as a shrub or small tree if pruned; fruit are used by birds and wildlife and can be eaten off the branch

**Garden use:** low hedge, tall groundcover  
**Growing conditions:** hot, dry conditions in full sun; adaptable to varied soils  
**Size and shape:** 0.5-2 metres tall; 2-3 metres wide  
**Flower and fruit:** yellowish clusters of small flower “catkins” on males in spring; red, hairy clusters of fruit on female plants in late summer  
**Leaves:** fragrant blue-green leaves with a glossy upper surface; vibrant orange, or red-purple in fall  
**Additional info:** good shrub for naturalized areas; may grow quite thick and intertwined; important cover and food crop for birds

**Nannyberry (Viburnum lentago)**

**Fragrant Sumac (Rhus aromaticus)**

**Leaves:** fragrant blue-green leaves with a glossy upper surface; vibrant orange, or red-purple in fall  
**Additional info:** good shrub for naturalized areas; may grow quite thick and intertwined; important cover and food crop for birds
Multiflora rose is usually formed as a fountain-shaped shrub, or as a scrambling shrub climbing over other plants to a height of 3 – 5 metres.

Originally from Japan it was introduced to North America as a soil conservation measure due to its adaptability to different soil conditions, salt tolerance, and ease of transplanting.

Multiflora rose is distinguished from native North American roses by its fragrant white flowers that are arranged in clustered “inflorescences” of more than ten flowers, whereas native roses rarely exceed three per cluster.

Multiflora rose is spread by birds and is a prolific seed producer. It can re-sprout roots from stems that come in contact with soil. It readily invades open areas and forms dense thickets, replacing native vegetation.

**Garden use:** specimen planting; edible ornamental

**Growing conditions:** sun to partial shade; wide moisture and soil tolerance

**Size and shape:** 30-150 cm tall shrub

**Flower and fruit:** showy cream to pink flowers in spring and early summer; orange to red “rose hips”

**Leaves:** medium green leaves growing from small-thorned branches

**Additional info:** edible rosehips commonly used to make tea

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**Trees and Shrubs**

**Common elderberry**

**Garden use:** fast-growing specimen planting; screen or hedge; edible ornamental

**Growing conditions:** full sun; moist soils

**Size and shape:** 2-4 metres tall with rounded crown; multi-stemmed with open branching

**Flower and fruit:** large (18-26 cm wide) clusters of cream-white flowers in early summer; purple-black edible fruit in late summer

**Leaves:** bright green leaves with seven leaflets

**Additional info:** transplants easily; suitable for rough sections of garden

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**Flowering raspberry**

**Garden use:** specimen planting; edible ornamental

**Growing conditions:** sun to partial shade; wide moisture and soil tolerance

**Size and shape:** 30-150 cm tall shrub

**Flower and fruit:** showy cream to pink flowers in spring and early summer; orange to red “rose hips”

**Leaves:** medium green leaves growing from small-thorned branches

**Additional info:** edible rosehips commonly used to make tea

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**Wild roses**

**Garden use:** specimen planting; edible ornamental

**Growing conditions:** sun to partial shade; wide moisture and soil tolerance

**Size and shape:** 30-150 cm tall shrub

**Flower and fruit:** showy cream to pink flowers in spring and early summer; orange to red “rose hips”

**Leaves:** medium green leaves growing from small-thorned branches

**Additional info:** edible rosehips commonly used to make tea
Common barberry was originally brought to North America by early colonists. It grows up to 4 metres tall and is a host plant for black rust, a disease of wheat crops.

More recently, Japanese barberry has been introduced for garden use, as well as incline stabilization and erosion control.

This 1-1.5 metre tall bush grows in a rounded form and has thorns along its many branches. Barberries are prolific seed producers and have germination rates as high as ninety percent.

The seeds ripen in fall, persist on the shrub through winter, and are carried long distances by birds where they readily invade natural areas and the forest understory.

Barberries are adapted to all soil types, can survive in full sun or full shade, and have shown an ability to acidify soil thereby affecting native habitats.

**Garden use:** border shrub; screening or hedgerow

**Growing conditions:** full sun to partial shade; normal to moist soil; drought tolerant; salt tolerant; tolerant of compacted soils

**Size and shape:** 1-3 metres tall; multi-stemmed, suckering shrub

**Flower and fruit:** white to whitish pink flowers produced in clusters in early spring; bluish-black berries produced in early fall, staying on the plant through the winter

**Leaves:** glossy, bright green leaves; alternate and simple; beautiful fall foliage ranges in colour from crimson to apricot

**Additional info:** the name “chokeberry” is derived from the edible but bitter tasting berries

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**Garden use:** rock garden; border; ground cover; foundation planting; specimen planting

**Growing conditions:** full sun; dry to normal soil; drought tolerant; salt tolerant

**Size and shape:** 30-130cm tall rounded shrub; numerous upright branches

**Flower and fruit:** pale to bright yellow, buttercup-shaped flowers produced in early to late summer

**Leaves:** dense leaves divided into five or seven leaflets; foliage is covered in fine silvery, silky hair

**Additional info:** there are over 130 different cultivars of this plant in the horticultural trade; attracts butterflies; also used for erosion control

---

**Garden use:** border shrub; screening or hedgerow

**Growing conditions:** full sun to partial shade; dry to wet soil; drought tolerant; salt tolerant

**Size and shape:** 1.5-3 metres tall; rounded shrub

**Flower and fruit:** small yellowish catkins appear in spring; waxy, bluish-white berries with strong aromatic scent ripen in summer and persist on the branches

**Leaves:** leaves are dark green, waxy and fragrant with yellow resin dots on the underside; deciduous to semi-evergreen; alternate

**Additional info:** the berries were used as a source of wax for early settlers; the scent is still used in candle making

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**Garden use:** rock garden; border; ground cover; foundation planting; specimen planting

**Growing conditions:** full sun; dry to normal soil; drought tolerant; salt tolerant

**Size and shape:** 30-130cm tall rounded shrub; numerous upright branches

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**Leaves:** dense leaves divided into five or seven leaflets; foliage is covered in fine silvery, silky hair

**Additional info:** there are over 130 different cultivars of this plant in the horticultural trade; attracts butterflies; also used for erosion control
Japanese Honeysuckle Vine is native to Japan and Korea, and was introduced as a horticultural species.

It is a climbing vine that is evergreen to semi-evergreen; the vines reach lengths of 24 metres and grow either by climbing over other vegetation or trailing along the ground.

Pairs of fragrant, tubular flowers can range in colour from white to yellow and are found at leaf axils along the stem.

This vine can cover and kill trees either by toppling them from the weight of the vines, or by blocking out sunlight.

It spreads rapidly through runners and by long-range seed dispersal by birds and other animals. It out-competes native species for habitat, sunlight, and nutrients.

**Garden use:** climbing vine; can be trained into shrub form

**Growing conditions:** full sun to partial shade (will not consistently flower in full shade); moist, humus-rich, well-drained soils

**Size and shape:** up to 15 metres long; climbs by twining stems; requires trellis or other support structure

**Flower and fruit:** elongated clusters of purple-blue flowers, blooms late spring to early summer

**Leaves:** shiny, dark green divided leaves with 7-11 leaflets; foliage turns golden in the fall

**Additional info:** attractive to butterflies

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**American Wisteria**

**Garden use:** climbing vine; can be trained into shrub form

**Growing conditions:** full sun to partial shade; moist to well-drained soil

**Size and shape:** up to 15 metres long; climbs by twining stems; requires trellis or other support structure

**Flower and fruit:** large flat-topped clusters of fragrant white flowers; blooms early spring until late summer

**Leaves:** dark green glossy leaves; heart-shaped and serrated; persist until late fall

**Additional info:** attractive to birds, wildlife, and bees; new plants may take a few years to establish, but grow quickly afterwards and get large with age

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**Climbing Hydrangea**

**Garden use:** climbing vine; groundcover; can also be trained as a shrub

**Growing conditions:** partial to full shade; moist to well-drained soil

**Size and shape:** grows 9-12 metres in length, 1 metre tall when trained as a shrub; climbs by clinging with aerial roots; prominent lateral branches spread from the support structure

**Flower and fruit:** pairs of fragrant, tubular flowers can range in colour from white to yellow and are found at leaf axils along the stem.

**Additional info:** attractive to hummingbirds and butterflies

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**Climbing Japanese Honeysuckle**

**Garden use:** climbing vine; can be trained into shrub form

**Growing conditions:** full sun to partial shade; moist soil

**Size and shape:** 4-6 metres in length; climbs by twining stems

**Flower and fruit:** fragrant tubular pink-purple flowers with yellow centres; grow in terminal whorls; blooms throughout much of the growing season from late spring until early fall

**Leaves:** pairs of round, blue-green leaves

**Additional info:** attractive to hummingbirds and butterflies
Oriental Bittersweet is native to Asia and was introduced in the 1860’s as a garden ornamental. This brown, woody vine can grow up to 18 metres in length and climbs by twining around supports. The fruits turn from green to yellow and split open in the fall to reveal very attractive bright red-orange seeds, the twigs with berries are used in flower arrangements. However, when it escapes from gardens, oriental bittersweet may directly compete with the rare American bittersweet (*C. scandens*) for light and space, or may hybridize with it, jeopardizing the genetic purity of the native species. This vine can kill trees, smothering them and blocking sunlight.

Garden use: climbing vine; ground cover
Growing conditions: full sun, roots require mulch or shaded area; light loam; moist soil
Size and shape: twining vine; 3-4 metres in length
Flower and fruit: large velvety dark purple flowers; bloom late summer to early fall; other cultivars of jackman clematis may have red, white, pink or lavender flowers
Leaves: dense foliage with bright to dark green leaves 5-10 cm in length
Additional info: lightly fragrant flowers

Dutchman’s Pipe
(*Aristolochia macrophylla*)
Garden use: climbing vine; screen
Growing conditions: full sun to partial shade; average to moist soil; tolerant of urban conditions
Size and shape: perennial twining vine, growing 6-9 metres in length
Flower and fruit: unique pipe-shaped yellowish flowers; bloom late spring to early summer
Leaves: dark green heart-shaped leaves
Additional info: rapid growth once established; fragrant flowers; attractive to bees, butterflies and birds

Virgin’s Bower
(*Clematis virginiana*)
Garden use: climbing vine
Growing conditions: full sun to partial shade; average to moist soil
Size and shape: twining vine; grows up to 5 metres in length
Flower and fruit: white four-petaled flowers; bloom late summer to early fall; distinctive fluffy white seeds remain on the plant through winter
Leaves: leaves divided into three leaflets with toothed edges
Additional info: fragrant flowers attract hummingbirds, bees, and butterflies; self-sows and will root where the vine touches the ground
European frog-bit is native to Eurasia but can now be found in the St. Lawrence River to Lake Ontario, throughout the Kawartha Lakes, the Rideau and Ottawa River systems and along Lakes Erie and St. Clair.

It is also spreading northward at scattered sites throughout the southern margin of the Canadian Shield.

It grows free-floating, or as a rooted mat in shallow waters. Roots can grow up to 50 cm long with numerous root hairs.

Leaves are floating and form a rosette; white-pink flowers emerge in summer.

Water soldier is an aquatic plant commonly sold in the aquarium and water garden industry. This plant is native to Europe and Central Asia. It was recently found for the first time in Canada in the Trent Severn Waterway.

Water soldier, also known as water aloe, looks very similar to an aloe vera plant, or the top of a pineapple plant.

Water soldier grows underwater on the river bottom most of the year, and emerges in late spring and summer.

The leaves that grow once it has surfaced have air pockets enabling the plant to float. Water soldier forms dense populations with large masses of plants which out-compete other aquatic plant species.

A notable concern is that each leaf is lined with small serrated spines that can easily cut swimmers.

Native to Southern Europe and Asia, yellow floating heart was originally thought to only occur in ponds connecting to the Rideau Canal in Ottawa, but more recently an established population has been found in Georgetown.

This floating plant with heart-shaped leaves and bright yellow flowers is a rooted perennial that prefers slow moving rivers and lakes, ponds and canals.

It can establish in mud and in water up to 4 metres deep. When it grows in thick floating mats, it can create stagnant water with low oxygen levels, thus degrading fish habitat and limiting recreational activities.

Yellow Pond Lily is native to Southern Europe and Asia, yellow floating heart was originally thought to only occur in ponds connecting to the Rideau Canal in Ottawa, but more recently an established population has been found in Georgetown.

This floating plant with heart-shaped leaves and bright yellow flowers is a rooted perennial that prefers slow moving rivers and lakes, ponds and canals.

It can establish in mud and in water up to 4 metres deep. When it grows in thick floating mats, it can create stagnant water with low oxygen levels, thus degrading fish habitat and limiting recreational activities.

Yellow Floating Heart

(Nymphoides peltata)

Water soldier

(Stratoides aloides)

Garden use: ornamental in ponds and water gardens; provides shade for fish and habitat for invertebrates

Growing conditions: found in lakes, ponds, quiet streams and rivers; can grow in sun or shade, but flowers more readily in sun

Size and shape: floating leaved perennial with thick and elastic leaf stalks; grows in water depths up to 2 metres

Flower and fruit: flowers: showy, yellow 4–6 cm wide with 6 showy petals; fruit: 2–4.5 cm long; green to red oval berries occurring in fall

Leaves: heart shaped leaves with rounded lobes 10-25cm long, submerged when young, floating when mature

Additional info: waterfowl and marsh birds eat seeds; mammals eat rhizomes and leaves
| **Fragrant Water Lily**  
* (Nymphaea odorata)  
| **Water Smartweed**  
* (Polygonum amphibium)  

**Garden use**: ornamental in ponds and water gardens; provides shade for fish and habitat for invertebrates, oxygenator.

**Growing conditions**: shallow ponds, lakes, rivers, streams and marshes and wet shorelines; full sun.

**Size and shape**: single stems emerge from rhizomes; up to 1 metre tall with erect stalk emerging from the water surface; stems are floating and hairless.

**Flower and fruit**: bright pink elongated flower clusters at stem tips; leathery berries with many seeds ripening underwater in mid to late summer.

**Leaves**: often reddish floating oval leaves; rounded or heart-shaped at the base.

**Additional info**: hot pepper-flavoured leaves can be used in salads or cooked like spinach; seeds consumed by waterfowl in fall.
Fanwort, also called cabomba, is native to the sub-tropic and temperate regions of South America. This submerged perennial plant is very popular in the aquarium industry and is widely available through pet stores across Ontario.

The first report of an established population of fanwort in Ontario was in Kasshabog Lake in 1991 and is suspected to originate from the dumping of aquarium contents into natural waterways.

Fanwort has finely dissected, fan-shaped submerged leaves and small inconspicuous linear or rounded floating leaves. The flowers are small, white to pale yellow and have three petals. Rooted in substrate, this plant flourishes in slow flowing waters in streams, small rivers, ponds and lakes. Fanwort is extremely persistent once established and can form dense stands, displacing native vegetation, and clogging drainage in canals and streams.

**Garden use:** oxygenation, habitat enhancement for ponds and water gardens

**Growing conditions:** submerged aquatic found in lakes, ponds, marshes and rivers; overwinters as an evergreen under ice; tolerant to low light and cool water

**Size and shape:** coarse, branching stems and no roots; may drift and become loosely anchored in sediment

**Flower and fruit:** very small, stalk-less solitary flowers on submerged leaves; fruit is dark olive green, elliptic

**Leaves:** split into 2 equal, thread-like segments; sharply toothed; in whorls of 5-12; leaves get denser at the end of the stem and look like a raccoon’s tail

**Additional info:** provides food and shelter for invertebrates; can become abundant in shallow ponds and form large beds; also known as hornwort; reproduce through fragmentation

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**Common Waterweed**

**Garden use:** oxygenation, habitat enhancement for ponds and water gardens

**Growing conditions:** submerged aquatic found in lakes, ponds, marshes and rivers, sometimes common in lakes with low nutrient availability

**Size and shape:** grow in depths of up to several metres; leaves are directly attached to slender stems; stems are anchored in sediment by shallow roots; stems branch profusely and form dense, tangled stands

**Flower and fruit:** white flower up to 9 mm wide, raised to the surface of the water by stalks 3 – 20 cm long; oval beaked fruit 6 mm long, narrow and cylindrical occurring mid-to late summer

**Leaves:** small and lance-shaped; bright green when young 6–17 mm long, in whorls of 3 in middle and upper part of stem

**Additional info:** one of the few plants found at depths greater than 10 metres

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**Common Mare’s Tail**

**Garden use:** oxygenation, habitat enhancement for ponds and water gardens

**Growing conditions:** submerged or above surface, aquatic found in lakes, ponds, marshes, streams and rivers, sometimes on peat in fens; muddy substrate; prefers non-acidic conditions

**Size and shape:** stems thick, soft, erect, 10-50 cm tall, from spongy roots

**Flower and fruit:** flower: very small, lacking sepals and petals in axils of upper leaves, rare and occur in the summer; Fruit: nutlet, ellipsoidal, 1.7–2.5 mm long occurring mid-to late summer.

**Leaves:** when breaking water surface, 1-2 cm long thick, firm and spiky whorls of 6-12; when submerged, 1-3 cm long thin and weakly attached, dropping when removed from water

**Additional info:** marsh birds occasionally feed on the leaves and stems of common mare’s tail; Hippuris means “horse’s tail”
Hydrilla, also called water thyme, water weed, and Florida elodea is native to Asia and can be found in rivers, lakes, ponds, streams and wet ditches.

This invasive plant resembles Ontario’s native waterweeds (Elodea canadensis and E. nuttallii) but can be distinguished by the presence of prickles on lower leaf surfaces.

Although there are no documented populations of hydrilla in Ontario, it presents a significant threat to aquatic ecosystems and navigation.

Hydrilla is another popular aquarium plant sold in pet stores throughout Ontario.

Garden use: oxygenation, habitat enhancement for ponds and water gardens

Growing conditions: submerged aquatic found in lakes, ponds, marshes and rivers, sometimes common in lakes with low nutrient availability

Size and shape: Grow in depths of up to several metres; leaves are directly attached to slender stems; stems are anchored in sediment by shallow roots; stems branch profusely and form dense, tangled stands

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Additional info: marsh birds occasionally feed on the leaves and stems of common mare’s tail; Hippuris means “horse’s tail”
### Garden use: ornamental in ponds and water gardens, used for shoreline enhancement

### Growing conditions: shallow water (rarely more than 1 metre deep) along muddy or sandy shores of lakes, ponds, marshes, rivers and streams

### Size and shape: stems erect, stout, 30-60 cm tall growing from thick spreading root system often forming dense colonies in still waters

### Flower and fruit: flowers violet-blue with 2 yellow dots on upper lip, funnel-like, about 8 mm long; 1-seeded bladder-like fruit

### Leaves: lance to egg shaped, heart shaped at base, 5-25 cm long, 2-5 cm wide

### Additional info: young stems and leaves of pickerelweed can be eaten in salads or boiled and served with butter; seeds can also be eaten raw; pollinated by bees and butterflies

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### Northern Blueflag Iris (Iris versicolor)

### Garden use: ornamental in ponds and water gardens, used for shoreline enhancement

### Growing conditions: along shores and in marshes, swamps, wet meadows and occasionally fens; in water up to 2 metres deep

### Size and shape: stems 20-80 cm tall, growing in small colonies

### Flower and fruit: showy, blue-purple flowers with yellowish veins separated into 3 petals; fruit capsules 2-3 cm long with flat seeds stacked inside, turning brown in autumn

### Leaves: elongated, with parallel veins, up to 3 cm wide

### Additional info: root stocks are poisonous; flowers are pollinated by bees; muskrats, beavers and birds feed on flower nectar

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### Yellow Flag Iris (Iris pseudacorus)

### Garden use: habitat and shoreline enhancement of ponds and water gardens

### Growing conditions: Prefers medium to moist soils, found in moist fields and meadows; once established can be found in drier garden soils

### Size and shape: ranging from 30-180 cm tall with square, grooved stem

### Flower and fruit: Flowers: blue-violet flowers, blooming from summer to fall

### Leaves: oppositely arranged, 5-15 cm long lance-shaped leaves, narrowed at base

### Additional info: useful for shoreline restoration or in a rain garden; attractive to birds, butterflies and pollinating bees; young plants are often confused with mint

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### Blue Vervain (Verbena hastata)

Yellow iris is native to Eurasia but can now be found throughout southern Ontario. Occurring in shallow water along streams, rivers, ponds and lakes, it was likely introduced as an ornamental garden plant in ponds and outdoor water gardens. This riparian perennial has erect leaves and brightly coloured showy flowers. Yellow iris can easily be spread between water bodies by boats and other recreational vehicles, as well as by plant pieces and seeds. Once established, yellow iris can form a dense stand which displaces native shoreline vegetation and converts wet habitat to drier environments. Plant juices may cause skin blistering.
Native to Eurasia, flowering rush can now be found in Ontario throughout Lakes Erie, St. Clair, and Ontario, as well as in the western St. Lawrence River, Severn River and Winnipeg River systems.

This perennial aquatic rush may grow submerged or emerge above the surface, with triangular leaves and multiple pink flowers on the end of a stalk.

Flowering rush can grow in lakes, rivers, marshes, ponds and wet ditches. It is used as an ornamental plant for ponds and outdoor water gardens, or intentionally planted along shorelines where it may escape and invade new areas.

Once established, flowering rush can displace native shoreline vegetation and hinder recreational use.

Flowering Rush (Butomus umbellatus)

Flower and fruit: showy, blue-purple flowers with yellowish veins separated into 3 petals; fruit capsules 2-3 cm long with flat seeds stacked inside, turning brown in autumn

Leaves: elongated, with parallel veins, up to 3 cm wide

Additional info: root stocks are poisonous; flowers are pollinated by bees; muskrats, beavers and birds feed on flower nectar

Garden use: ornamental in ponds and water gardens, used for shoreline enhancement

Growing conditions: along shores and in marshes, swamps, wet meadows and occasionally fens; in water up to 2 metres deep

Size and shape: stems 20-80 cm tall, growing in small colonies

Blue Vervain (Verbena hastata)

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Additional info: useful for shoreline restoration or in a rain garden; attractive to birds, butterflies and pollinating bees; young plants are often confused with mint

Garden use: ornamental in ponds and water gardens

Growing conditions: shallow water (rarely more than 1 metre deep) along muddy or sandy shores of lakes, ponds, marshes, rivers and streams

Size and shape: stems erect, stout, 30-60 cm tall growing from thick spreading root system often forming dense colonies in still waters

Flower and fruit: flowers violet-blue with 2 yellow dots on upper lip, funnel-like, about 8 mm long; 1-seeded bladder-like fruit

Leaves: lance to egg shaped, heart shaped at base, 5-25 cm long, 2-5 cm wide

Additional info: young stems and leaves of pickerelweed can be eaten in salads or boiled and served with butter; seeds can also be eaten raw; pollinated by bees and butterflies

Pickerelweed (Pontederia cordata)

Northern Blueflag Iris (Iris versicolor)

Flower and fruit: showy, blue-purple flowers with yellowish veins separated into 3 petals; fruit capsules 2-3 cm long with flat seeds stacked inside, turning brown in autumn

Leaves: elongated, with parallel veins, up to 3 cm wide

Additional info: root stocks are poisonous; flowers are pollinated by bees; muskrats, beavers and birds feed on flower nectar

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Garden use: habitat and shoreline enhancement of ponds and water gardens

Growing conditions: Prefers medium to moist soils, found in moist fields and meadows; once established can be found in drier garden soils

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Native to Eurasia, flowering rush can now be found in Ontario throughout Lakes Erie, St. Clair, and Ontario, as well as in the western St. Lawrence River, Severn River and Winnipeg River systems.

This perennial aquatic rush may grow submerged or emerge above the surface, with triangular leaves and multiple pink flowers on the end of a stalk.

Flowering rush can grow in lakes, rivers, marshes, ponds and wet ditches. It is used as an ornamental plant for ponds and outdoor water gardens, or intentionally planted along shorelines where it may escape and invade new areas.

Once established, flowering rush can displace native shoreline vegetation and hinder recreational use.
Common Reed is native to Eurasia and can now be found scattered throughout much of southern Ontario, and as far north as Georgian Bay, Lake Superior and northwestern Ontario.

This extremely tall (2-4 metres), perennial grass grows in dense stands in shallow waters in wetlands, streambanks, lakeshores, wet fields and ditches. It was commonly used in site restoration and slope stabilization, and is sold as an ornamental plant.

Common Reed can spread very aggressively by both seed and underground tubers. Also, plant pieces carried by water or wind can regenerate easily, displacing native wetland vegetation and threatening habitat of rare species, species at risk and other wetland species.

**Garden use:** habitat and shoreline enhancement of ponds and water gardens

**Growing conditions:** Found in shallow marshes, beaver meadows and swamps; quickly colonizes disturbed soils, wet cutovers and ditches

**Size and shape:** up to 2 metres tall, prominently triangular stems with thick short roots

**Flower and fruit:** flowers in loose, 15-30 cm long clusters of many rounded clusters of spikelets; whitish 3-sided seeds, 0.7-1.0 mm long with 6 long white to rust-coloured bristles at the top

**Leaves:** ridged, very rough, 3-10 mm wide leaves over 30cm long

**Additional info:** favored by geese during migration as the tubers are an important food source; seeds are eaten by a variety of waterfowl including black duck, mallard, and pintail

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**European Common Reed**  
*Phragmites australis subsp. australis*

**Common Cattail**  
*Typha latifolia*

**River Bulrush**  
*Scirpus fluviatilis*

**Hardstem Bulrush**  
*Scirpus acutus*
### Species List

#### Invasive Plants (by Common Name)

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<tr>
<td>Goutweed (Aegopodium podagraria)</td>
<td>7</td>
</tr>
<tr>
<td>Hydriella (Hydriella verticillata)</td>
<td>37</td>
</tr>
<tr>
<td>Japanese Honeysuckle Vine (Lonicera japonica)</td>
<td>27</td>
</tr>
<tr>
<td>Miscanthus (Miscanthus sinensis, M. Sacchiflorus)</td>
<td>13</td>
</tr>
<tr>
<td>Morrow’s Honeysuckle (Lonicera morrowii)</td>
<td>21</td>
</tr>
<tr>
<td>Multiflora Rose (Rosa multiflora)</td>
<td>23</td>
</tr>
<tr>
<td>Norway Maple (Acer platanoides)</td>
<td>15</td>
</tr>
<tr>
<td>Oriental Bittersweet (Celastrus orbiculatus)</td>
<td>29</td>
</tr>
<tr>
<td>Periwinkle (Vinca minor)</td>
<td>8</td>
</tr>
<tr>
<td>Russian Olive (Eleagnus angustifolia)</td>
<td>17</td>
</tr>
<tr>
<td>Tartarian Honeysuckle (Lonicera tatarica)</td>
<td>21</td>
</tr>
<tr>
<td>Water Soldier (Stratiotes aloides)</td>
<td>32</td>
</tr>
<tr>
<td>Yellow Flag Iris (Iris pseudacorus)</td>
<td>39</td>
</tr>
<tr>
<td>Yellow Floating Heart (Nymphoides peltata)</td>
<td>31</td>
</tr>
</tbody>
</table>

#### Grow Me Instead Alternatives (by Common Name)

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternate leaf (pagoda) dogwood (Cornus alternifolia)</td>
<td>18</td>
</tr>
<tr>
<td>American wisteria (Wisteria frutescens)</td>
<td>28</td>
</tr>
<tr>
<td>Bayberry (Morella (syn. Myrica) pensylvanica)</td>
<td>26</td>
</tr>
<tr>
<td>Bearberry (Arctostaphylos uva-ursi)</td>
<td>13</td>
</tr>
<tr>
<td>Big blue stem (Andropogon gerardii)</td>
<td>13</td>
</tr>
<tr>
<td>Blue vervain (Verbena hastata)</td>
<td>40</td>
</tr>
<tr>
<td>Bunchberry (Cornus canadensis)</td>
<td>10</td>
</tr>
<tr>
<td>Canada Waterweed (Elodea canadensis)</td>
<td>36</td>
</tr>
<tr>
<td>Chokeberry (Aronia melanocarpa)</td>
<td>26</td>
</tr>
<tr>
<td>Chokecherry (Prunus virginiana)</td>
<td>18</td>
</tr>
<tr>
<td>Climbing hydrangea (Hydrangea anomala subsp. petiolaris)</td>
<td>27</td>
</tr>
<tr>
<td>Common cattail (Typha latifolia)</td>
<td>43</td>
</tr>
<tr>
<td>Common elderberry (Sambucus canadensis)</td>
<td>23</td>
</tr>
<tr>
<td>Common mare’s tail (Hippurus vulgaris)</td>
<td>26</td>
</tr>
<tr>
<td>Common ninebark (Physocarpus opulifolius)</td>
<td>25</td>
</tr>
<tr>
<td>Coontail (Ceratophyllum demersum)</td>
<td>35</td>
</tr>
<tr>
<td>Dutchman’s pipe or Pipevine (Aristolochia macrophylla)</td>
<td>29</td>
</tr>
<tr>
<td>Flowering raspberry (Rubus odoratus)</td>
<td>24</td>
</tr>
<tr>
<td>Foamflower (Tiarella cordifolia)</td>
<td>11</td>
</tr>
<tr>
<td>Fragrant (white) water lily (Nymphaea odorata)</td>
<td>33</td>
</tr>
<tr>
<td>Fragrant sumac (Rhus aromatica)</td>
<td>20</td>
</tr>
<tr>
<td>Freeman maple (Acer x freemanii)</td>
<td>16</td>
</tr>
<tr>
<td>Goldflame honeysuckle (Lonicera x heckrotti)</td>
<td>28</td>
</tr>
<tr>
<td>Gray dogwood (Cornus racemosa)</td>
<td>20</td>
</tr>
<tr>
<td>Hackberry (Celtis occidentalis)</td>
<td>15</td>
</tr>
<tr>
<td>Hardstem bulrush (Scirpus acutus or Schoenoplectus acutus)</td>
<td>45</td>
</tr>
<tr>
<td>Indian grass (Sorghastrum nutans)</td>
<td>15</td>
</tr>
<tr>
<td>Jackman clematis (Clematis x jackmanii)</td>
<td>30</td>
</tr>
<tr>
<td>Mayapple (Podophyllum peltatum)</td>
<td>10</td>
</tr>
<tr>
<td>Nannyberry (Viburnum lentago)</td>
<td>21</td>
</tr>
<tr>
<td>Northern blue flag iris (Iris versicolor)</td>
<td>39</td>
</tr>
<tr>
<td>Pickerelweed (Pontederia cordata)</td>
<td>40</td>
</tr>
<tr>
<td>River bulrush (Scirpus fluviatilis or Bolboschoenus fluviatilis)</td>
<td>44</td>
</tr>
<tr>
<td>Running euonymus (Euonymus obovatus)</td>
<td>11</td>
</tr>
<tr>
<td>Serviceberry spp. (Amelanchier arborea, A. laevis)</td>
<td>16</td>
</tr>
<tr>
<td>Shrubby cinquefoil (Dasiphora fruticosa or Potentilla fruticosa)</td>
<td>25</td>
</tr>
<tr>
<td>Silver maple (Acer saccharinum)</td>
<td>16</td>
</tr>
<tr>
<td>Sugar maple (Acer saccharum)</td>
<td>16</td>
</tr>
<tr>
<td>Switchgrass (Panicum virgatum)</td>
<td>14</td>
</tr>
<tr>
<td>Virgin’s bower (Clematis virginiana)</td>
<td>30</td>
</tr>
<tr>
<td>Water smartweed (Polygonum amphibium)</td>
<td>34</td>
</tr>
<tr>
<td>Wild geranium (Geranium maculatum)</td>
<td>12</td>
</tr>
<tr>
<td>Wild ginger (Asarum canadense)</td>
<td>9</td>
</tr>
<tr>
<td>Wild roses (Rosa acicularis, R. blanda)</td>
<td>21</td>
</tr>
<tr>
<td>Wild strawberry (Fragaria virginiana)</td>
<td>8</td>
</tr>
<tr>
<td>Wintergreen (Gaultheria procumbens)</td>
<td>9</td>
</tr>
<tr>
<td>Witch-hazel (Hamamelis virginiana)</td>
<td>17</td>
</tr>
<tr>
<td>Yellow pond lily (Nuphur variegatum)</td>
<td>32</td>
</tr>
</tbody>
</table>

#### Alert Species

The following species are additional horticulture plants to be on alert for in Ontario. Gardeners should be aware that these species can be invasive in natural areas:

- Bohemian Knotweed (Polygonum x bohemicum)
- Giant Knotweed (Polygonum sachalinense)
- Japanese Knotweed (Polygonum cuspidatum)
- Lily-of-the-valley (Convallaria majalis)
- Parrot Feather (Myriophyllum aquaticum)
- Reed Canarygrass (Phalaris arundinacea var. picta)
- Saltcedar/Tamarisk (Tamarix ramosissima)
- Tree of Heaven (Ailanthus altissima)
- Winged Euonymus/Burning Bush (Euonymus alata)
Additional Resources

Invasive Species:
Credit Valley Conservation
www.creditvalley.ca/invasives/

O.F.A.H./OMNR Invading Species Awareness Program
www.invadingspecies.com
Invading Species Hotline: 1-800-563-7711

Ontario Invasive Plant Council
www.ontarioinvasiveplants.ca

Native Plant Gardening:
Canadian Wildlife Federation
www.wildaboutgardening.org

Evergreen
www.evergreen.ca

Landscape Ontario
www.landscapeontario.com

North American Native Plant Society
www.nanps.org

Toronto and Region Conservation
www.trca.on.ca/yards

Publications

Garden Wise: Non-Invasive Plants for Your Garden
This booklet is designed to help Washington gardeners and nursery professionals identify invasive garden plants and replace them with non-invasive alternatives. http://www.nwcb.wa.gov/education/education.htm

Garden Smart Oregon: A Guide to Non-Invasive Plants
This guide identifies more than 25 of Oregon’s invasive plants, along with alternatives and tips for gardeners on how to select noninvasive replacement plants. www.nature.org/wherewework/northamerica/states/oregon/about/art24578.html

Native Alternatives to Invasive Plants
This book by the Brooklyn Botanical Garden lists hundreds of native plants for every region, chosen as alternatives to invasive species.

The Landowners Guide to Controlling Invasive Woodland Plants
A resource describing ecology and control methods of common invasive woodland species. Available through the Invading Species Awareness Program website at www.invadingspecies.com