What Not to Plant in Manitoba
Invasive Ornamental Plants in Our Region

Invasive plants are those that have been introduced to an ecosystem from somewhere else and, lacking natural checks on their spread, outcompete the local species. This can have a ripple effect on the entire ecosystem and biodiversity generally. Invasive *ornamental* plants are ones that have been introduced for decorative landscape purposes, usually via nurseries.

This list is drawn from various regional lists of weeds and invasive plants, with an emphasis on plants of landscape use or origin. The main sources were the online lists of the Invasive Species Council of Manitoba and the Manitoba government's "Declaration of Noxious Weeds in Manitoba" and "Aquatic Invasive Species Regulation" (web links below).

Unfortunately, Manitoba's Invasive Species Council has been inactive since about 2018, and the Manitoba noxious weed list is oriented mainly toward agriculture. Therefore the Manitoba lists were checked against lists from neighbouring provinces and states with similar Zone 3 or 4 climates, and any ornamental plants not already in the Manitoba lists were included here. The list for North Dakota did not yield any additional species. Invasive species lists for Alberta, Saskatchewan, Northern Ontario, Minnesota, and Wisconsin did contain some species that should also be of concern to Manitobans, and these were included. At the end, a supplemental list of plants flagged as invasive in Southern Ontario (Zone 5) is also given, as they may become a concern with climate change.

Sources of information are noted in the table and documented at the end.

Common Name	**Botanical Name**	**Source of information***
Norway maple	*Acer platanoides*	OIPC Northern ON
Bishop's goutweed	*Aegopodium podagraria*	OIPC Northern ON WI invasive plant
Tree of heaven	*Ailanthus altissima*	MN invasive plant
Common barberry	*Berberis vulgaris*	MB Tier 3 noxious weed
Barberry hybrids 'Concorde' and 'Royal Cloak'; 'Tara' Emerald Carousel	*Berberis thunbergia* x *B. vulgaris*; *B. thunbergia* x *B. koreana*	Canada Food Inspection Agency notice RMD-2102 (2022-06-03)
Smooth brome grass, incl. 'Skinner's Golden Brome'	*Bromus inermis*	MN invasive plant
Flowering rush	*Butomus umbellatus*	ISCM MB aquatic invasive
Carolina fanwort	*Cabomba caroliniana*	MB aquatic invasive
Creeping bellflower	*Campanula rapunculoides*	ISCM MB Tier 3 noxious weed
Siberian peashrub or common caragana	*Caragana arborescens*	OIPC Northern ON MN invasive plant
Oriental bittersweet	*Celastrus orbiculatus*	OIPC Northern ON
Bighead knapweed	*Centaurea macrocephala*	AB prohibited noxious weed
Greater celandine	*Chelidonium majus*	WI invasive plant

Yellow clematis	*Clematis tangutica*	AB noxious weed
Queen Anne's lace	*Daucus carota*	MN invasive plant
Blueweed	*Echium vulgare*	ISCM
Brazilian waterweed	*Egeria densa*	MB aquatic invasive
Water hyacinth	*Eichhornia crassipes*	ISCM MB aquatic invasive
Autumn olive	*Eleagnus umbellata*	AB prohibited noxious weed
Cypress spurge	*Euphorbia cyparissias*	MB Tier 2 noxious weed
Leafy spurge	*Euphorbia esula*	ISCM MB Tier 2 noxious weed
Creeping charlie	*Glechoma hederacea*	MN invasive plant
Common baby's breath	*Gypsophila paniculata*	ISCM MB Tier 2 noxious weed
Giant hogweed	*Heracleum mantegazzianum*	ISCM
Dame's rocket	*Hesperis matronalis*	ISCM AB & SK noxious weed
Hydrilla (water thyme)	*Hydrilla verticillata*	ISCM MB aquatic invasive
European frog-bit	*Hydrocharis morsus-ranae*	ISCM MB aquatic invasive
St. John's wort	*Hypericum perforatum*	MB Tier 2 noxious weed
Himalayan balsam	*Impatiens glandulifera*	ISCM MB aquatic invasive
Yellow flag iris	*Iris pseudacorus*	ISCM MB aquatic invasive
Field scabious	*Knautia arvensis*	ISCM
Kochia	*Kochia scoparia*	MB Tier 3 noxious weed
African oxygenweed	*Lagarosiphon major*	MB aquatic invasive
Ox-eye daisy	*Leucanthemum vulgare*	ISCM MB Tier 2 noxious weed
Dalmation toadflax or butter and eggs	*Linaria dalmatica*	ISCM MB Tier 2 noxious weed
Yellow toadflax or butter and eggs	*Linaria vulgaris*	ISCM MB Tier 3 noxious weed
Non-native bush honeysuckles (European fly, Morrow's, Tatarian)	*Lonicera xylosteum, L. morrowii, L. tatarica*	OIPC Northern ON
Purple loosestrife	*Lythrum salicaria, L.virgatum*	ISCM MB aquatic invasive
Scentless chamomile	*Matricaria perforata*	ISCM MB Tier 2 noxious weed
Miscanthus or Chinese silvergrass	*Miscanthus sinensis, M. sacchariflorus*	OIPC Northern ON
Parrot feather (Brazilian watermilfoil)	*Myriophyllum aquaticum*	MB aquatic invasive
Eurasian watermilfoil	*Myriophyllum spicatum*	ISCM MB aquatic invasive
Yellow floatingheart	*Nymphoides peltata*	MB aquatic invasive
Ribbon grass	*Phalaris arundinacea* var. *picta*	WI invasive plant
Amur cork tree	*Phellodendron amurense*	MN invasive plant

Orange hawkweed	*Pilosella aurantiaca*, syn. *Hieracium hierantiacum*	ISCM MB Tier 1 noxious weed
Water lettuce	*Pistia stratiotes*	MB aquatic invasive
Curly-leaf pond weed	*Potamogeton crispus*	ISCM MB aquatic invasive
Japanese knotweed	*Reynoutria japonica*, syn. *Fallopia japonica*	ISCM MB Tier 1 noxious weed
European buckthorn	*Rhamnus cathartica*	ISCM MB Tier 3 noxious weed
Soapwort or bouncing bet	*Saponaria officinalis*	ISCM MB Tier 2 noxious weed
Siberian squill	*Scilla siberica*	MN Wildflowers
Ural false spirea	*Sorbaria sorbifolia*	OIPC Northern ON
Water soldier	*Stratiotes aloides*	MB aquatic invasive
Tamarisk or salt cedar	*Tamarix* species	ISCM MB Tier 1 noxious weed
Common tansy	*Tanacetum vulgare*	ISCM MB Tier 2 noxious weed
Water chestnut	*Trapa natans*	MB aquatic invasive
Siberian elm	*Ulmus pumila*	MN invasive plant
Valerian	*Valeriana officinalis*	WI invasive plant
Common mullein	*Verbascum thapsus*	AB noxious weed
Periwinkle or vinca	*Vinca minor*	OIPC Northern ON
Wildflower seed mixes		ISCM

Supplement: Invasive Plants in Canadian Climate Zone 5

The Ontario Invasive Plant Council (OIPC) has flagged the following species as invasive in Southern Ontario (Zone 5). With climate change, they may become a concern in Manitoba.

Common Name	Botanical Name	Source of information*
Amur maple	*Acer ginnala*	OIPC Southern ON
Bugleweed	*Ajuga reptans*	OIPC Southern ON
Japanese barberry	*Berberis thunbergii*	OIPC Southern ON
Lily-of-the-valley	*Convallaria majus*	OIPC Southern ON
Russian olive	*Elaeagnus angustifolia*	OIPC Southern ON
Winged euonymus	*Euonymus alatus*	OIPC Southern ON
Wintercreeper	*Euonymus fortunei*	OIPC Southern ON
English ivy	*Hedera helix*	OIPC Southern ON
Orange daylily	*Hemerocallis fulva*	OIPC Southern ON
Sea buckthorn	*Hippophae rhamnoides*	OIPC Southern ON
Yellow archangel	*Lamium* syn. *Lamiastrum galeobdolon*	OIPC Southern ON
Japanese honeysuckle	*Lonicera japonica*	OIPC Southern ON
Creeping jenny	*Lysimachia nummularia*	OIPC Southern ON
Multiflora rose	*Rosa multiflora*	OIPC Southern ON

*Sources of information

ISCM: Plant of landscape use or origin listed on the website of the Invasive Species Council of Manitoba (ISCM): https://invasivespeciesmanitoba.com. Information is based on provincial surveys from 2009-2011. A "Grow Me Instead" brochure listing some of these

invasive species and non-invasive alternatives can be found at https://invasivespeciesmanitoba.com/site/uploads/pdf/Posters/grow%20me%20instead.pdf.

MB aquatic invasive: Plant of landscape or aquarium use or origin listed in the Manitoba "Aquatic Invasive Species Regulation," https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=173/2015.

MB Tier 1/2/3 noxious weed: Plant of landscape use or origin listed in the "Declaration of Noxious Weeds in Manitoba" at https://www.gov.mb.ca/agriculture/crops/Weeds/declaration-of-noxious-Weeds-in-mb.html. The Manitoba Noxious Weeds Act "requires that Tier 1 weeds, considered a significant threat, must be eradicated without conditions. Tier 2 weeds must be managed according to the size of the infestation. Tier 3 weeds have to be controlled if the weed's uncontrolled growth or spread would have a negative impact on the economy, the environment or the well-being of residents near-by." https://www.gov.mb.ca/agriculture/crops/weeds/pubs/controlling-noxious-weeds.pdf.

AB noxious or prohibited noxious weed: Plant of landscape use or origin listed under Alberta's "Provincially Regulated Weeds" at https://www.alberta.ca/provincially-regulated-weeds.aspx and in the *Identification Guide for Alberta Invasive Plants* at https://abinvasives.ca/wp-content/uploads/2020/09/Identification-Guide-for-Alberta-Invasive-Plants.pdf.

MN invasive plant: Plant listed in Minnesota's Invasive Plants list at https://www.dnr.state.mn.us/invasives/terrestrialplants/index.html.

MN Wildflowers: Siberian squill (*Scilla siberica*) is flagged as invasive on the Minnesota Wildflowers website, https://minnesotawildflowers.info.

OIPC Northern ON: Plant listed in the "Grow Me Instead" brochure for Northern Ontario, Ontario Invasive Plant Council (OIPC), https://www.ontarioinvasiveplants.ca/wp-content/uploads/2016/07/NorthernGMI_2014_FINAL.compressed.pdf.

OIPC Southern ON: Supplemental list of invasive ornamentals listed in the "Grow Me Instead" brochure for Southern Ontario, Ontario Invasive Plant Council, https://www.ontarioinvasiveplants.ca/wp-content/uploads/2020/04/Southern-Grow-Me-Instead-1.pdf.

SK noxious weed: https://publications.saskatchewan.ca/#/products/75172.

WI invasive plant: Plant listed in Wisconsin's Invasive Plants list at https://dnr.wi.gov/topic/Invasives/species.asp?filterBy=Terrestrial&filterVal=Y&catVal=PlantsReg.

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