NORTHWEST MICHIGAN
INVASIVE SPECIES NETWORK

Recommended Planting Guidelines for Municipalities

Many plants originally introduced for use in ornamental landscapes have since become invasive. Invasive plants increase management costs for local government, land managers, and farmers, while also restricting recreational activities like hunting, fishing, mushrooming, hiking, and birding that are key both to the lifestyle and economy in northern Michigan. To address these challenges, the Northwest Michigan Invasive Species Network (ISN) recommends the following planting guidelines for municipalities, homeowners associations, and other interested groups. ISN partners developed the lists of recommended and prohibited plants below based on their collective experience managing natural areas across the region, as well as with input from the City of Ann Arbor's invasive plant list and with Michigan Natural Features Inventory. For more information about ISN, including a list of partner organizations, visit HabitatMatters.org.

Partners in the Invasive Species Network recommend prohibiting the use of invasive plants, while also strongly encouraging the use of native plants.

Class 1 List: Many locally uncommon plants that cause serious problems in other regions have the potential to arrive through ornamental landscaping activities.

Class 2 List: Roughly half of northwest lower Michigan's Top 20 Least Wanted Invasive Species are still planted in ornamental landscapes.

Class 3 List: Provides a catch-all for plants that pose any recognized invasive threat to the region.

Class 4 List: Covers grass species that, although problematic, have less of an impact when regularly mowed.

For identification assistance or to report a species occurrence, visit the Midwest Invasive Species Information Network at MISIN.msu.edu. For management advice, visit the Michigan Department of Natural Resources' invasive species website (Michigan.gov/invasivespecies), or Midwest Invasive Plant Network's control database (MIPNcontroldatabase.wisc.edu). Find out about what's going on in northwest lower Michigan on our website, HabitatMatters.org.

Native plants are strongly encouraged for all community landscapes. Native plants pose no threat of becoming invasive and provide a host of critical ecological benefits for which literally no other plants will suffice. Since invasive plants do not respect political boundaries, ISN encourages local municipalities not only to accept these recommended planting guidelines but also to encourage neighboring communities to adopt similar guidelines.

NORTHWEST MICHIGAN INVASIVE SPECIES NETWORK

Major Partners:

Leelanau Conservation District
Leelanau Conservancy
The Watershed Center Grand Traverse Bay
Grand Traverse Conservation District
Grand Traverse Regional Land Conservancy
The Great Lakes Schoolship Inland Seas Education Association
Forest Service U.S. Department of Agriculture
Benzie Conservation District
Manistee Conservation District
Michigan Natural Features Inventory
Department of Natural Resources Michigan DNR

Funding Provided By:
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Great Lakes Restoration

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Definitions

This document references "native," "non-native," and "invasive" categories of plant species. The definitions for these categories, listed below, derive from Executive Order 13112 issued on February 3, 1999.

- "Native species" means, with respect to a particular ecosystem, a species that, other than as a result of an introduction, historically occurred or currently occurs in that ecosystem.

- "Non-native species" means, with respect to a particular ecosystem, any species, including its seeds, eggs, spores, or other biological material capable of propagating that species, that is not native to that ecosystem.

- "Invasive species" means a non-native species whose introduction does or is likely to cause economic or environmental harm or harm to human health.

Native Plant Recommendations

Recommended Plants for Ornamental Landscapes

Native plants bring beauty and life to landscapes. Sporting a wide variety of colors, shapes, and textures, native plants can meet most landscaping needs. Over 400 species of native plants are available commercially in Michigan. Native plants create habitat for birds and butterflies, adding a living dimension of beauty to the landscape. Living landscapes allow children the opportunity for natural exploration at home, which encourages lifelong learners. Native plants are also part of our natural heritage. Communities that preserve, enhance, and showcase their natural and cultural heritages have economies that consistently outperform those of other communities.[1] Planting native is planting nature; re-connecting our home landscapes with the natural world carries enduring benefits for the entire region.

For more information regarding native plants for use in ornamental landscapes, visit HabitatMatters.org/other-information. Suggested plants listed below, with a few additions, are borrowed from Ann Arbor's Natural Areas Preservation program:

Native Trees

Common Name	Scientific Name	Class
fir, balsam **	*Abies balsamea*	large>40'
maple, black *	*Acer nigrum*	large>40'
maple, striped	*Acer pensylvanicum*	small<30'
maple, red **	*Acer rubrum*	large>40'
maple, sugar	*Acer saccharum*	large>40'
maple, mountain	*Acer spicatum*	small<30'
serviceberry, shadblow * / **	*Amelanchier arborea*	small<30'
serviceberry, allegheny * / **	*Amelanchier laevis*	small<30'
birch, yellow * / **	*Betula alleghaniensis*	large>40'
birch, river */ **	*Betula nigra*	large>40'
birch, paper * / **	*Betula papyrifera*	large>40'
musclewood **	*Carpinus caroliniana*	small<30'
hawthorn, dotted	*Crataegeus punctata*	small<30'
beech, American	*Fagus grandifolia*	large>40'
tamarack; eastern larch * / **	*Larix laricina*	large>40'
ironwood; hop-hornbeam	*Ostrya virginiana*	medium 30-40'
spruce, black **	*Picea mariana*	medium 30-40'
pine, jack *	*Pinus banksiana*	large>40'
pine, red	*Pinus resinosa*	large>40'

[1] Howe, Jim, Ed McMahon, and Luther Propst. Balancing Nature and Commerce in Gateway Communities. Washington D.C.: Island Press, 1997.

pine, white	*Pinus strobus*	large>40'
aspen, bigtooth * / **	*Populus grandidentata*	large>40'
aspen, trembling * / **	*Populus tremuloides*	large>40'
cherry, black *	*Prunus serotina*	large>40'
oak, white *	*Quercus alba*	large>40'
oak, northern pin	*Quercus ellipsoidalis*	large>40'
oak, northern red *	*Quercus rubra*	large>40'
cedar, northern white * / **	*Thuja occidentalis*	medium 30-40'
basswood	*Tilia americana*	large>40'
hemlock, eastern	*Tsuga canadensis*	large>40'

*Above average salt tolerance
**Suitable for runoff areas

Native Shrubs

Common Name	Scientific Name
alder, speckled * / **	*Alnus rugosa*
serviceberry, round-leaved	*Amelanchier sanguinea*
leadplant	*Amorpha canescens*
bearberry *	*Arctostaphylos uva-ursi*
chokecherry, black *	*Aronia prunifolia*
new jersey tea	*Ceanothus americanus*
buttonbush * / **	*Cephalanthus occidentalis*
sweet-fern *	*Comptonia peregrina*
dogwood, alternate-leaf	*Cornus alternifolia*
dogwood, silky **	*Cornus amomum*
dogwood, roundleaf	*Cornus rugosa*
dogwood, red-osier * / **	*Cornus sericea*
hazelnut, beaked	*Corylus cornuta*
honeysuckle, bush *	*Diervilla lonicera*
Leatherwood	*Dirca palustris*
trailing arbutus	*Epigaea repens*
Wintergreen	*Gaultheria procumbens*
witch-hazel *	*Hamamelis virginiana*
holly, Michigan *	*Ilex verticillata*
juniper, ground *	*Juniperus communis*
juniper, creeping *	*Juniperus horizontalis*
sheep-laurel	*Kalmia angustifolia*
honeysuckle, American fly	*Lonicera canadensis*
partridge berry	*Mitchella repens*
sweet gale *	*Myrica gale*
holly, mountain	*Ilex mucronata*
ninebark	*Physocarpus opulifolius*
cinquefoil, shrubby *	*Potentilla fruticosa*
chokecherry * / **	*Prunus virginiana*
sumac, staghorn *	*Rhus typhina*
currant, wild black	*Ribes americanum*
gooseberry, prickly	*Ribes cynosbati*
currant, swamp red	*Ribes triste*
rose, wild	*Rosa blanda*
rose, swamp **	*Rosa palustris*
blackberry, highbush	*Rubus allegheniensis*
dewberry, northern	*Rubus flagellaris*
raspberry, wild red	*Rubus strigosus*
willow, pussy * / **	*Salix discolor*
willow, sandbar **	*Salix exigua*
elderberry, American *	*Sambucus canadensis*
elder, red-berried	*Sambucus racemosa*
meadowsweet * / **	*Spiraea alba*
snowberry *	*Symphoricarpos albus*
yew	*Taxus canadensis*
blueberry *	*Vaccinium angustifolium*

blueberry, velvetleaf *	*Vaccinium myrtilloides*
viburnum, mapleleaf	*Viburnum acerifolium*
withe-rod, wild raisin	*Viburnum cassinoides*
nannyberry * / **	*Viburnum lentago*

* Above average salt tolerance
**Suitable for runoff areas

Native Wildflowers

Common Name	Scientific Name
anenome, Canada **	*Anemone canadensis*
anenome, wood	*Anemone quinquefolia*
aster, big-leaved #	*Aster macrophyllus*
aster, smooth #	*Aster laevis*
baneberry, red #	*Actaea rubra*
baneberry, white #	*Actaea pachypodia*
bee balm #	*Monarda fistulosa*
bellwort	*Uvularia grandiflora*
black-eyed susan #	*Rudbeckia hirta*
blazing star, dwarf #	*Liatris cylindracea*
bloodroot #	*Sanguinaria canadensis*
blue cohosh **	*Caulophyllum thalictroides*
bluebead-lily	*Clintonia borealis*
blue-eyed grass	*Sisyrinchium angustifolium*
boneset # / **	*Eupatorium perfoliatum*
bunchberry	*Cornus canadensis*
canada mayflower	*Mainthemum canadense*
cardinal flower # / **	*Lobelia cardinalis*
columbine, wild #	*Aquilegia canadensis*
coneflower, cut-leaved **	*Rudbeckia laciniata*
coneflower, purple	*Echinacea purpurea*
coreopsis, sand # / *	*Coreopsis lanceolata*
culver's root	*Veronicastrum virginicum*
dutchman's breeches	*Dicentra cucullaria*
evening primrose	*Oenothera biennis*
foam flower #	*Tiarella cordifolia*
foxglove beard-tongue	*Penstemon digitalis*
gay-wings	*Polygala paucifolia*
gentian, closed **	*Gentiana andrewsii*
golden ragwort **	*Senecio aureus*
goldenrod, early	*Solidago juncea*
goldenrod, grass-leaved #	*Euthamia graminifolia*
goldenrod, gray	*Solidago nemoralis*
goldthread	*Coptis trifolia*
hairy beardstongue *	*Penstemon hirsutus*
harebell	*Campanula rotundifolia*
hepatica, round-lobed #	*Hepatica americana*
hepatica, sharp-lobed #	*Hepatica acutiloba*
herb robert	*Geranium robertianum*
iris, wild blue flag # / * / **	*Iris versicolor*
jack-in-the-pulpit # / **	*Arisaema triphyllum*
jewelweed **	*Impatiens capensis*
joe-pye weed # / **	*Eupatorium maculatum*
leek, wild **	*Allium tricoccum*
lobelia, great blue # / **	*Lobelia siphilitica*
loosestrife, fringed # / **	*Lysimachia ciliata*
lupine	*Lupinus perennis*
marsh marigold **	*Caltha palustris*
meadow-rue	*Thalictrum dioicum*
meadow-rue, purple **	*Thalictrum dasycarpum*
michigan lily	*Lilium michiganense*
milkweed, butterfly #	*Asclepias tuberosa*
milkweed, common	*Asclepias syriaca*
milkweed, poke	*Asclepias exaltata*
milkweed, swamp # / **	*Asclepias incarnata*
miterwort; bishop's cap **	*Mitella diphylla*
miterwort, naked **	*Mitella nuda*
monkey-flower **	*Mimulus ringens*
rattlesnake weed	*Hieracium venosum*
sarsaparilla, wild **	*Aralia nudicaulis*
skullcap, mad-dog **	*Scutellaria lateriflora*

sneezeweed	*Helenium autumnale*
solomon's seal, downy #	*Polygonatum pubescens*
solomon's seal, false #	*Smilacina racemosa*
solomon's seal, starry false #	*Smilacina stellata*
spiderwort	*Tradescantia ohiensis*
spikenard	*Aralia racemosa*
spring beauty, carolina #	*Claytonia caroliniana*
squirrel corn	*Dicentra canadensis*
starflower	*Trientalis borealis*
strawberry, wild #	*Fragaria virginiana*
sunflower, maximillian	*Helianthus maximiliani*
sunflower, woodland	*Helianthus divaricatus*
sweet-cicely, hairy	*Osmorhiza claytonii*
thimbleweed #	*Anemone virginiana*
trillium, large-flowered	*Trillium grandiflorum*
trout lily, yellow **	*Erythronium americanum*
turtlehead **	*Chelone glabra*
twinflower	*Linnaea borealis*
twisted-stalk, rose	*Streptopus roseus*
vervain, blue # / **	*Verbena hastata*
violet, downy yellow	*Viola pubescens*
violet, long spurred	*Viola rostrata*

* Above average salt tolerance. Salt tolerance data not available for the majority of native herbaceous plants.
**Suitable for runoff areas
Recommended for beginning gardeners because of their ease of propagation and season-long attractiveness

Native Vines, Grasses, Rushes, Sedges, and Ferns

Vines

Common Name	Scientific Name
moonseed	*Menispermum canadensis*
grape, riverbank **	*Vitis riparia*
thicket creeper	*Parthenocissus inserta*
virgin's bower **	*Clematis virginiana*

Grasses, Rushes, and Sedges

Common Name	Scientific Name
bluestem, big	*Andropogon gerardii*
bluestem, little *	*Schizachyrium scoparium*
bottlebrush grass	*Hystrix patula*
bulrush, hardstem **	*Scirpus acutus*
bulrush, softstem **	*Scirpus validus*
June grass	*Koeleria macrantha*
rush, path	*Juncus tenuis*
rush, soft-stemmed **	*Juncus effusus*
sedge **	*Carex comosa*
sedge **	*Carex crinita*
sedge	*Carex intumescens*
sedge, Pennsylvania	*Carex pensylvanica*
sedge, tussock **	*Carex stricta*
wild-rye, Canada	*Elymus canadensis*
wild-rye, Virginia **	*Elymus virginicus*
wood grass, long-awned	*Brachyelytrum erectum*
wool-grass **	*Scirpus cyperinus*

Ferns

Common Name	Scientific Name
bracken fern	*Pteridium aquilinum*
christmas fern	*Polystichum acrosichoides*
cinnamon fern **	*Osmunda cinnamomea*
interrupted fern	*Osmunda claytoniana*
lady fern, northern **	*Athyrium filix-femina*
maidenhair fern	*Adiantum pedatum*
oak fern	*gymnocarpium dryopteris*
ostrich fern	*Matteuccia struthiopteris*

rattlesnake fern	*Botrychium virginianum*
royal fern **	*Osmunda regalis*
sensitive fern **	*Onoclea sensibilis*
woodfern; crested shield fern **	*Dryopteris cristata*
woodfern, clinton's **	*Dryopteris clintoniana*
woodfern, evergreen **	*Dryopteris intermedia*
woodfern, goldie's	*Dryopteris goldiana*
Fern Ally	
horsetail, water **	*Equisetum fluviatile*

* Above average salt tolerance. Salt tolerance data not available for the majority of native vines, grasses, rushes, sedges, and ferns.
**Suitable for runoff areas

Suggested Invasive Plant Guidelines

Class 1 Plants – Planting Prohibited; Management required

The plants below are not yet common in our region, but have proven highly invasive in similar regions. Although plants like kudzu or water hyacinth might be surprising, populations of both species now overwinter in Michigan. Preventing new introductions and managing existing populations while small is the most affordable approach to safeguarding natural resources.

Common Name	Scientific Name	Type
black alder *	*Alnus glutinosa*	Tree
flowering rush ^ *	*Butomus umbellatus*	Forb
plumeless thistle ^	*Carduus acanthoides*	Forb
musk thistle ^	*Carduus nutans*	Forb
brazilian water-weed *	*Egeria densa*	Aquatic
water-hyacinth *	*Eichhornia crassipes*	Aquatic
reed manna grass *	*Glyceria maxima*	Grass
giant hogweed ^ *	*Heracleum mantegazzianum*	Forb
Japanese hops *	*Humulus japonicus*	Vine
hydrilla *	*Hydrilla verticillata*	Aquatic
European frog-bit *	*Hydrocharis morsus-ranae*	Aquatic
Himalayan balsam*	*Impatiens glandulifera* or *Balsamina glandulifera*	Forb
Indian balsam *	*Lagarosiphon major*	Aquatic
dotted duck-weed *	*Landoltia punctata*	Aquatic
moneywort *	*Lysimachia nummularia*	Forb
European water-clover *	*Marsilea quadrifolia*	Aquatic
Japanese stiltgrass	*Microstegium vimineum*	Grass
parrot feather *	*Myriophyllum aquaticum*	Aquatic
lesser naiad *	*Najas minor*	Aquatic

sacred lotus *	*Nelumbo nucifera*	Aquatic
yellow floating heart *	*Nymphoides peltata*	Aquatic
cotton thistle *	*Onopordon acanthium*	Forb
coltsfoot *	*Petasites hybridus*	Forb
amur cork-tree *	*Phellodendron amurense*	Tree
phragmites (non-native) ^	*Phragmites australis*	Grass
water lettuce *	*Pistea stratioides*	Aquatic
Japanese knotweed ^ *	*Polygonum cuspidatum*	Forb
mile-a-minute-weed	*Polygonum perfoliatum*	Forb
giant knotweed ^ *	*Polygonum sachalinense*	Forb
kudzu	*Pueraria lobata*	Vine
giant salvinia *	*Salvinia spp.*	Aquatic
water chestnut *	*Trapa natans*	Aquatic
coltsfoot	*Tussilago farfara*	Forb
black swallow-wort *	*Vincetoxicum nigrum*	Vine
pale swallow-wort *	*Vincetoxicum rossicum*	Vine

* Ornamental plant.

^ Planting, growing, or transporting this species is prohibited by the Michigan Natural Resources and Environmental Protection Act (Act 451 of 1994, as amended), available online at http://www.michigan.gov/mdard/0,4610,7-125-1568_2390_36653-11250--,00.html

Class 2 Plants – Planting Prohibited; Management Recommended

The plants below are all on the Top 20 list of the most serious threats to natural areas in northwest Michigan. Management is strongly recommended but not required due to the potential costs involved. If complete removal is not realistic for the site, a plan should be developed to minimize the potential for spread to natural areas.

Common Name	**Scientific Name**	**Type**
tree-of-heaven *	*Ailanthus altissima*	Tree
garlic mustard	*Alliaria petiolata*	Forb
Japanese barberry *	*Berberis thunbergii*	Shrub
common barberry	*Berberis vulgaris* or *B. sylvestris*	Shrub
Oriental bittersweet *	*Celastrus orbiculatus*	Vine
Canada thistle ^	*Cirsium arvense*	Forb
European swamp thistle	*Cirsium palustre*	Forb
bull thistle ^ *	*Cirsium vulgare*	Forb

Russian olive *	*Elaeagnus angustifolia*	Shrub
autumn olive *	*Elaeagnus umbellata*	Shrub
leafy spurge ^	*Euphorbia esula*	Forb
glossy buckthorn	*Frangula alnus* or *Rhamnus frangula*	Shrub
baby's breath *	*Gypsophila paniculata*	Forb
dame's rocket *	*Hesperis matronalis*	Forb
lyme grass *	*Leymus arenarius*	Grass
honeysuckle(s) (non-native) *	*Lonicera fragrantissima, L. maackii, L. morrowii, L. tatarica, L. xbella, L. xylosteum, L. japonica*	Shrub
moneywort/creeping Jenny*	*Lysimachia nummularia*	Forb
purple loosestrife ^ *	*Lythrum salicaria*	Forb
wild parsnip	*Pastinaca sativa*	Forb
Ribbon grass (aka reed canary grass) *	*Phalaris arundinacea*	Grass
Callery/Bradford/Cleveland pear*	*Pyrus calleryana*	Tree
common buckthorn *	*Rhamnus cathartica*	Shrub
multiflora rose *	*Rosa multiflora*	Shrub
narrow-leaved cattail	*Typha angustifolia*	Forb

* Ornamental plant.

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Class 3 Plants – Planting Prohibited

The plants listed below are all either invasive in the region or are showing signs of becoming invasive in this or in similar regions, and should not be planted. Alternative should be explored

Common Name	Scientific Name	Type
velvetleaf ^	*Abutilon theophrasti*	Forb
amur maple *	*Acer ginnala*	Tree
Norway maple *	*Acer platanoides*	Tree
Snow-on-the-mountain (aka goutweed) *	*Aegopodium podagraria*	Forb
quack grass ^	*Agropyron repens*	Grass
chocolate-vine *	*Akebia quinata*	Vine
amaranth species	*Amaranthus spp.*	Forb

Turquoise/porcelain berry *	*Ampelopsis brevipedunculata*	Vine
common burdock	*Arctium minus*	Forb
yellow rocket	*Barbarea vulgaris*	Forb
smooth brome *	*Bromus inermis*	Grass
butterfly bush *	*Buddleja spp.*	Shrub
roving bellflower	*Campanula rapunculoides*	Forb
bitter cress	*Cardamine impatiens*	Forb
spotted knapweed ^	*Centaurea maculosa*	Forb
mouse-ear chickweed	*Cerastium fontanum*	Forb
celandine *	*Chelidonium majus*	Forb
lamb's quarters	*Chenopodium album*	Forb
chicory	*Cichorium intybus*	Forb
lily of the valley *	*Convallaria majalis*	Forb
field bindweed ^	*Convolvulus arvensis*	Forb
crown vetch	*Coronilla varia*	Forb
orchard grass	*Dactylis glomerata*	Grass
Jimsonweed ^	*Datura stramonium*	Forb
queen-anne's-lace ^ *	*Daucus carota*	Forb
chinese yam	*Dioscorea oppositifolia*	Vine
common teasel	*Dipsacus fullonum/sylvestris*	Forb
cut-leaved teasel	*Dipsacus laciniatus*	Forb
indian strawberry	*Duchesnea indica*	Forb
barnyard grass	*Echinochloa crusgalli*	Grass
great hairy willow-herb *	*Epilobium hirsutum*	Forb
hellebore orchid	*Epipactis helleborine*	Forb
winged wahoo/burning bush *	*Euonymus alatus (including 'compacta')*	Shrub
spindle tree *	*Euonymus europaea*	Shrub
wintercreeper *	*Euonymus fortunei*	Vine
cypress spurge *	*Euphorbia cyparissias*	Forb
tall fescue *	*Festuca arundinacea*	Grass
meadow fescue *	*Festuca pratensis*	Grass
white bedstraw	*Galium mullugo*	Forb
sweet woodruff *	*Galium odoratum*	Forb
avens	*Geum urbanum*	Forb
ground ivy	*Glechoma hederacea*	Forb
English ivy *	*Hedera helix*	Vine
orange day lily *	*Hemerocallis fulva*	Forb
common St. John's-wort *	*Hypericum perforatum*	Forb

yellow flag *	*Iris pseudacorus*	Forb
kalopanax *	*Kalopanax septemlobus*	Tree
golden archangel *	*Lamiastrum galeobdolon*	Forb
everlasting pea *	*Lathyrus latifolius*	Forb
motherwort	*Leonurus cardiaca*	Forb
silky bush-clover	*Lespedeza cuneata*	Forb
border privet *	*Ligustrum obtusifolium*	Shrub
common privet *	*Ligustrum vulgare*	Shrub
butter-and-eggs	*Linaria vulgaris*	Forb
european fly honeysuckle *	*Lonicera xylosteum*	Shrub
birdfoot trefoil *	*Lotus corniculatus*	Forb
money plant *	*Lunaria annua*	Forb
white sweet clover	*Melilotus alba*	Forb
yellow sweet clover	*Melilotus officinalis*	Forb
white mulberry *	*Morus alba*	Tree
forget-me-not *	*Myosotis scorpioides*	Forb
perilla mint *	*Perilla fructescens*	Forb
timothy	*Phleum pratense*	Grass
Austrian pine *	*Pinus nigra*	Tree
Scotch pine *	*Pinus sylvestris*	Tree
English plantain ^	*Plantago lanceolata*	Forb
common plantain	*Plantago major*	Forb
Canada bluegrass	*Poa compressa*	Grass
lady's thumb *	*Polygonum persicaria*	Forb
white poplar *	*Populus alba*	Tree
Lombardy poplar *	*Populus nigra var. italica*	Tree
rough-fruited cinquefoil *	*Potentilla recta*	Forb
sawtooth oak *	*Quercus acutissima*	Tree
tall or common buttercup	*Ranunculus acris*	Forb
lesser-celandine *	*Ranunculus ficaria*	Forb
buckthorn	*Rhamnus utilis*	Shrub
black jetbead *	*Rhodotypos scandens*	Shrub
bristly locust	*Robinia hispida*	Shrub
black locust *	*Robinia pseudoacacia*	Tree
Himalayan blackberry	*Rubus bifrons*	Shrub
Japanese wine raspberry	*Rubus phoenicolasius*	Shrub
curly dock ^	*Rumex crispus*	Forb
white willow *	*Salix alba*	Tree

crack willow *	*Salix fragilis*	Tree
basket willow *	*Salix purpurea*	Shrub
bouncing bet *	*Saponaria officinalis*	Forb
bladder campion	*Silene cucubalus*	Forb
white catchfly	*Silene pratensis (lychnis alba)*	Forb
bittersweet nightshade ^	*Solanum dulcamara*	Forb
perennial sow thistle ^	*Sonchus arvensis (s. Uliginosus)*	Forb
common chickweed	*Stellaria media*	Forb
common tansy *	*Tanacetum vulgare*	Forb
common dandelion	*Taraxacum officinale*	Forb
field hedge parsley	*Torilis arvensis*	Forb
Japanese hedge parsley	*Torilis japonica*	Forb
red clover	*Trifolium pratense*	Forb
white clover *	*Trifolium repens*	Forb
Chinese elm, lace bark elm *	*Ulmus parvifolia*	Tree
Siberian elm *	*Ulmus pumila*	Tree
mullein *	*Verbascum thapsus*	Forb
wayfaring tree *	*Viburnum lantana*	Shrub
European highbush cranberry *	*Viburnum opulus*	Shrub
cow-vetch	*Vicia villosa*	Forb
bigleaf periwinkle *	*Vinca major*	Vine
periwinkle *	*Vinca minor*	Shrub

* Ornamental plant.

^ Planting, growing, or transporting this species is prohibited by the Michigan Natural Resources and Environmental Protection Act (Act 451 of 1994, as amended), available online at http://www.michigan.gov/mdard/0,4610,7-125-1568_2390_36653-11250--,00.html

Class 4 Plants – Mowing Recommended

These species should only be planted in areas that will be mowed on a regular basis to prevent the plants from reseeding, and should only be planted outside of wetland areas, natural feature open space, or other natural areas.

Common Name	Scientific Name	Type
See agrostis gigantea	*Agrostis alba*	Grass
Redtop	*Agrostis gigantea*	Grass
See agrostis stolonifera	*Agrostis palustris*	Grass

Creeping bent	*Agrostis stolonifera*	Grass
Velvet grass	*Holcus lanatus*	Grass
Perennial rye grass	*Lolium perenne*	Grass
Kentucky bluegrass	*Poa pratensis*	Grass
Bluegrass	*Poa trivialis*	Grass