

Appendix I: Working List of Terrestrial Invasive Plant Species

Table 1- Invasive plant species found in forested landscapes in Wisconsin

| Scientific Name | Common Name | Growth Form | Habitats Invaded | Notes |
|--|-------------------------------------|-------------|------------------|--|
| Forest Species | | | | |
| <i>Acer platanoides</i> | Norway maple | T | FG | Some cultivars have invasive tendencies. |
| <i>Aegopodium podagraria</i> | Bishops goutweed | F | F | Spreads vegetatively only. |
| <i>Alliaria petiolata</i> | Garlic mustard | F | FR | Extremely invasive biennial; Widespread in all but northern part of WI. |
| <i>Alnus glutinosa</i> | Black alder | T | FGW | |
| <i>Arctium minus</i> | Common burdock | F | FGR | |
| <i>Berberis thunbergii</i> | Japanese barberry | S | FG | Some cultivars have invasive tendencies. |
| <i>Campanula rapunculoides</i> | Creeping bellflower | F | FGR | Widespread in urban areas. |
| <i>Caragana arborescens</i> | Siberian peashrub | S | F | Few populations in northern WI. |
| <i>Cardamine hirsuta</i> | Bittercress | F | F | Invading MN and MI woodlands. |
| <i>Celastrus orbiculatus</i> | Oriental bittersweet | V | FGR | |
| <i>Chelidonium majus</i> | Celandine | F | FG | |
| <i>Cirsium palustre</i> | European marsh thistle | F | FGRW | Many populations in northern WI; Spreading rapidly. |
| <i>Cynoglossum officinale</i> | Hound's tongue | F | FGRD | Several populations near Great Lakes. |
| <i>Elaeagnus umbellata</i> | Autumn olive | S | FGRB | Widespread in southern counties. |
| <i>Epipactis helleborine</i> | Helleborine orchid | F | FD | Beginning to spread in moist forests near Lake Superior and Lake Michigan. |
| <i>Euonymus alata</i> | Burning bush | S | FG | Some cultivars have invasive tendencies. |
| <i>Euonymus fortunei</i> | Climbing Euonymus/ Wintercreeper | V | F | Spreads vegetatively, landscape plant naturalizing uncertain. |
| <i>Galeopsis tetrahit</i> | Brittle-stem hemp-nettle | F | F | Common in northern forests. |
| <i>Glechoma hederacea</i> | Creeping Charlie | F | FR | Widespread at forest edges and openings. |
| <i>Hedra helix</i> | English ivy | V | F | Spreads vegetatively from landscaped sites. |
| <i>Hesperis matronalis</i> | Dames rocket | F | FGR | Widespread statewide. |
| <i>Hypericum perforatum</i> | Common St. John's wort | F | GRBD | Widespread in disturbed open areas. |
| <i>Leonurus cardiaca</i> | Motherwort | F | F | Widespread. |
| <i>Ligustrum</i> spp. (<i>L. ovalifolium</i> , <i>L. obtusifolium</i> , <i>L. vulgare</i> , <i>L. amurense</i> , <i>L. sinsense</i>) | Privets | S | FG | Common landscape plant; Invasive in states to South. |
| <i>Lonicera japonica</i> | Japanese honeysuckle | V | FG | Common landscape plant; Invasive in states to South. |
| <i>Lonicera morrowii</i> | Morrow honeysuckle | S | FGR | Widespread statewide. |
| <i>Lonicera tatarica</i> | Tartarian honeysuckle | S | FGR | Widespread statewide. |

KEY

Growth Form: F=Forb, G=Grass, V=Vine, T=Tree, S=Shrub

Habitats Invaded: F=Forests, G=Grasslands, R=Roadsides/Disturbed areas, B=Barrens, D=Dunes/Beaches, W=Wetlands, A=Aquatic

| | | | | |
|---|-------------------------|----|-------|--|
| <i>Lonicera x bella</i> | Bells honeysuckle | S | FGR | Widespread statewide. |
| <i>Lysimachia nummularia</i> | Moneywort | F | FW | Moist forests, mostly in southern WI. |
| <i>Morus alba</i> | White mulberry | T | FGR | Widespread. |
| <i>Myosotis sylvatica</i> | Forget me not | F | FW | Scattered populations in mesic to wet hardwood forests in northern WI. Usually found near areas of human activity. |
| <i>Ornithogalum umbellatum</i> | Star of Bethlehem | F | F | Spreads vegetatively from plantings. |
| <i>Phalaris arundinacea</i> | Reed canary grass | G | FGRBW | Widespread and abundant; Spreads into moist forests after timber harvests; Prevents tree regeneration. |
| <i>Pinus sylvestris</i> | Scotch pine | T | FGB | Locally abundant in some grasslands; Easy to contain. |
| <i>Polygonum cuspidatum</i> | Japanese knotweed | F | FGRW | Very rapid vegetative spread, especially along streams. |
| <i>Populus alba</i> | White poplar | T | GF | Extensive vegetative spread near plantings. |
| <i>Pyrus calleryana</i> | Callery pear | T | FGR | Landscape plant naturalizing in states to South. |
| <i>Ranunculus ficaria</i> | Lesser celandine | F | FG | Locally abundant. |
| <i>Rhamnus cathartica</i> | Common buckthorn | TS | FGRW | Widespread in most counties; Can be dominant in understory. |
| <i>Rhamnus frangula = Frangula alnus</i> | Glossy buckthorn | S | FW | Widespread in most counties; Can be dominant in understory. |
| <i>Robinia pseudoacacia</i> | Black locust | T | FGR | Forms large clones in canopy of forests. |
| <i>Rosa multiflora</i> | Multiflora rose | S | FGR | Locally abundant in southern WI; State Nuisance Weed. |
| <i>Scilla siberica</i> | Siberian squill | S | F | Primarily in urban settings. |
| <i>Solanum dulcamara</i> | Climbing nightshade | F | FW | Responds to disturbance. |
| <i>Torilis japonica</i> | Japanese hedgeparsley | F | FGR | Locally abundant; Spreads rapidly in forests in southern WI; Very aggressive biennial. |
| <i>Ulmus pumila</i> | Siberian elm | TS | FGR | Widespread in southern WI. |
| <i>Valeriana officinalis</i> | Garden heliotrope | F | FGW | Locally abundant. |
| <i>Veronica chamaedrys</i> | Germander speedwell | F | FGR | Shade-tolerant; Can carpet the ground in moist, open-canopy and closed-canopy forest. |
| <i>Viburnum opulus var. opulus</i> | European cranberry bush | S | F | Landscape plant naturalizing. |
| <i>Vinca minor</i> | Common periwinkle | FV | F | Spreads vegetatively from landscape plantings. |
| Grassland and Barrens Species--Could be a problem on roadsides and in forest openings. | | | | |
| <i>Agrostis stolonifera</i> | Creeping bent grass | G | GR | Not to be used for seed mixes. |
| <i>Bromus inermis</i> | Smooth brome | G | GRB | Not to be used for seed mixes. |
| <i>Calamagrostis epigeios</i> | Feathertop | G | FG | Few populations in northern WI. |
| <i>Carduus acanthoides</i> | Plumeless thistle | F | GR | |
| <i>Carduus nutans</i> | Musk thistle | F | GRB | Locally abundant in southern and eastern WI. |
| <i>Centaurea biebersteinii = Centaurea stoebe</i> | Spotted knapweed | F | GRB | Very abundant in most parts of state. |
| <i>Cirsium arvense</i> | Canada thistle | F | GRB | Very widespread; State noxious weed. |
| <i>Cirsium vulgare</i> | Bull thistle | F | GR | |

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|--|---------------------|----|-----|---|
| <i>Convolvulus arvensis</i> | Field bindweed | FV | GR | Troublesome in nurseries and Christmas trees; State noxious weed. |
| <i>Coronilla varia</i> | Crown vetch | FV | GRB | Not to be used for seed mixes. |
| <i>Crepis tectorum</i> | Hawksbeard | F | GRB | |
| <i>Dipsacus laciniatus</i> | Cut-leaved teasel | F | GRW | Generally starts at roadsides and spreads to grasslands. |
| <i>Dipsacus fullonum</i> = <i>Dipsacus sylvestris</i> | Common teasel | F | GR | Generally starts at roadsides and spreads to grasslands. |
| <i>Elaeagnus angustifolia</i> | Russian olive | TS | GR | Aggressive in western states; Locally abundant. |
| <i>Elytrigia repens</i> | Quackgrass | G | GRB | Not to be used for seed mixes. |
| <i>Euphorbia cyparissias</i> | Cypress spurge | F | GRB | Locally abundant. |
| <i>Euphorbia esula</i> | Leafy spurge | F | GRB | Widespread; State noxious weed. |
| <i>Festuca arundinacea</i> | Tall fescue | G | GR | Use cautiously in seed mixes. |
| <i>Hemerocallis fulva</i> | Orange day-lily | F | GR | Spreads vegetatively from plantings. |
| <i>Hieracium aurantiacum</i> | Orange hawkweed | F | GRB | Abundant in sandy soils. |
| <i>Hieracium caespitosum</i> | Yellow hawkweed | F | GRB | |
| <i>Linaria dalmatica</i> | Dalmation toadflax | F | GRB | Locally abundant. |
| <i>Lotus corniculatus</i> | Birds-foot trefoil | F | GRB | Very aggressive; Not to be used for seed mixes. |
| <i>Lupinus polyphyllus</i> | Big-leaf lupine | F | GRB | Around northern WI and the UP this plant is aggressive on mesic roadsides and fields on average or even clay soil. |
| <i>Lythrum salicaria</i> | Purple loosestrife | F | RWA | Widespread; Many populations contained by biocontrol. |
| <i>Melilotus alba</i> | White sweet clover | F | GRB | Not to be used for seed mixes. |
| <i>Melilotus officinalis</i> | Yellow sweet clover | F | GRB | Not to be used for seed mixes. |
| <i>Pastinaca sativa</i> | Wild parsnip | F | GR | Aggressive by seed; Causes skin burns. |
| <i>Phragmites australis</i> | Common reed grass | G | RW | Non-native ecotype very aggressive. |
| <i>Poa compressa</i> | Canada bluegrass | G | GRB | Common in remnant and restored prairies and barrens. |
| <i>Poa pratensis</i> | Kentucky bluegrass | G | GRB | Common in remnant and restored prairies and barrens. |
| <i>Rumex acetosella</i> | Sheep sorrel | F | GRB | Invasive in sunny dry or lightly shaded areas, including barrens, dry open woods, and rock outcrops. Well-established across central and northern WI. |
| <i>Saponaria officinalis</i> | Bouncing Bet | F | GR | |
| <i>Tanacetum vulgare</i> | Tansy | F | GRB | Primarily in northern WI in sandy barrens, semi-closed canopy forests and along roadsides. |
| <i>Trifolium pratense</i> | Red clover | F | G | Aggressive in native and restored prairies and barrens. |
| <i>Trifolium repens</i> | White clover | F | G | Aggressive in native and restored prairies and barrens. |

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Table 2- New invasive plant species found in forested landscapes in Wisconsin

| Scientific Name | Common Name | Growth Form | Habitats Invaded | Notes |
|--|---------------------|-------------|------------------|---|
| New species refer to those species that are not yet in Wisconsin or are here in very small populations. Otherwise known as Early Detection and Rapid Response (EDRR) Species--When found, these plants should be immediately reported, mapped, vouchered, and carefully eradicated. Report at http://dnr.wi.gov/invasives/futureplants/index.htm | | | | |
| <i>Ailanthus altissima</i> | Tree of heaven | G | FGR | Primarily limited to weedy urban areas at this time, but invasive in forests in states to South. |
| <i>Ampelopsis brevipedunculata</i> | Porcelain berry | V | F | Green variety-not the cultivar; Currently only a few populations known in southern Wisconsin, but very invasive in other states. |
| <i>Angelica sylvestris</i> | Woodland angelica | F | F | |
| <i>Anthriscus sylvestris</i> | Wild chervil | F | GR | A few populations in southern and northwestern counties. |
| <i>Bunias orientalis</i> | Hill mustard | F | G | Locally very aggressive in far southern WI. |
| <i>Butomus umbellatus</i> | Flowering rush | F | W | |
| <i>Centaurea diffusa</i> | Spreading knapweed | F | GR | Aggressive in states to West. |
| <i>Centaurea solstitialis</i> | Yellow star-thistle | F | GR | |
| <i>Conium maculatum</i> | Poison hemlock | F | GR | Abundant in states to South and a few sites in WI. |
| <i>Cytisus scoparius</i> | Scotch broom | S | G | |
| <i>Digitalis lanata</i> | Grecian foxglove | F | FGR | Invasive in northeastern MN. |
| <i>Dioscorea oppositifolia</i> | Chinese yam | V | FW | Invasive in IL. |
| <i>Epilobium hirsutum</i> | Hairy willow-herb | F | GRW | Introduced, locally established in eastern WI. |
| <i>Falcaria vulgaris</i> | Sickle-weed | F | G | |
| <i>Fallopia sachalinense</i> = <i>Polygonum sachalinensis</i> | Giant knotweed | F | FGW | A few reported populations; This plant is so far uncommon and apparently spreads only vegetatively. Giant knotweed can hybridize with Japanese knotweed producing "Bohemian knotweed" (<i>Polygonum x bohemicum</i>). |
| <i>Filipendula ulmaria</i> | Queen of the meadow | F | FW | Wet forests and edges in North. |
| <i>Galium verum</i> | Yellow bedstraw | V | GR | Not too common yet, but grows abundantly in fields, orchards, etc. where found. |
| <i>Glyceria maxima</i> | Tall mannagrass | G | W | Known from a few sites in southeastern WI; Very aggressive there. |
| <i>Gypsophila paniculata</i> | Baby's breath | F | D | Only a problem on dunes. |
| <i>Heracleum mantegazzianum</i> | Giant hogweed | F | FGRW | A federally-listed weed that is highly invasive in fields, wetlands, and along roadsides, woods edges and floodplains. |
| <i>Humulus japonicus</i> | Japanese hops | V | FRW | Two known sites in southern WI; Possibly planted elsewhere; Perennial vine that can smother forest plants. |
| <i>Lepidium latifolium</i> | Pepperweed | F | GR | |
| <i>Lespedeza cuneata</i> | Chinese lespedeza | F | GR | Not yet in WI; Not to be used for seed mixes. |
| <i>Lonicera maackii</i> | Amur honeysuckle | S | FG | Abundant in forests in IL. |

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| <i>Microstegium vimineum</i> | Japanese stiltgrass | G | F | Not yet known in WI. Very aggressive annual grass in states to South and East. |
| <i>Paulownia tomentosa</i> | Princess tree | T | F | Spreading in states to the south; Marketed to private woodland owners. |
| <i>Phellodendron amurense</i> | Amur cork tree | T | F | Spreading in states to south. |
| <i>Pimpinella saxifrage</i> | Solid-stem burnet-saxifrage | F | GR | Locally abundant in northeastern WI. |
| <i>Polygonum perfoliatum</i> | Mile-a-minute | V | FG | Not yet known in WI. Very aggressive annual vine in states to East. |
| <i>Pueria montana</i> | Kudzu | V | FR | Unknown in WI; Possibly planted somewhere; Locally abundant in IL. |
| <i>Quercus acutissima</i> | Sawtooth oak | T | FG | Landscape plant naturalizing in some states; Marketed for turkey habitat. |
| <i>Rubus phoenicolasius</i> | Wineberry | S | FGR | Unknown in WI; Spreads by seed and vegetatively. |
| <i>Torilis arvensis</i> | Spreading hedgeparsley | F | FGR | Unknown in WI; potentially very aggressive. |
| <i>Vincetoxicum nigrum</i> = <i>Cynanchum louiseae</i> | Black swallowwort | V | FG | Locally abundant and very aggressive in southwestern and southeastern WI. |
| <i>Vincetoxicum rossicum</i> = <i>Cynanchum rossicum</i> | Pale swallowwort | V | FG | Not yet in WI; Potentially very aggressive. |

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| References: |
| Invasive Plant Association of Wisconsin Working List |
| Midwest Invasive Plant Network |
| NR 40 Invasive Species Identification, Classification and Control Rule-Species Assessment Group Classification Working List |
| University of Wisconsin-Madison Herbarium |
| Wisconsin Department of Natural Resources 2006 State Forest Invasive Plant Inventory List |
| Wisconsin Department of Natural Resources Program Feasibility Study-Invasive Plants in Forests |

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