

Appendix to Policy Directive 2004-02 Invasive Nonindigenous Plant Species

October, 2004

The following trees, shrubs, vines and herbaceous plants as well as their cultivars are known or believed to be invasive to natural ecosystems in New Jersey. With the exception of common reed (*Phragmites australis*), which is cosmopolitan but may include nonindigenous lineages known to aggressively invade and dominate diverse wetland habitats, all species listed are nonindigenous. While many of these species may be available at commercial nurseries for landscaping, because of their invasive nature, they are not suitable for landscaping of capital improvements, replanting of facilities, or ecological restorations administered by the Department. For each species the common name, scientific name and authority (the person or persons who formally described the plant) are provided. Scientific names should be consulted for accuracy in identifying species. Note that several species may be included under a single common name. The list will be periodically updated based on new information.

This list is intended to provide guidance for planting, landscaping and restorations on Department lands, and does not constitute an official list of invasive nonindigenous plant species for New Jersey. No legislation currently exists mandating the creation of such an official list. In addition to enabling legislation, the creation of an official list of invasive nonindigenous plant species will require additional research, a thorough review by the scientific community and governmental agencies, and an opportunity for public comment.

Trees

Black locust	<i>Robinia pseudoacacia</i> L.
Callery pear	<i>Pyrus calleryana</i>
Catalpa	<i>Catalpa bignonioides</i> Walter.
Chinese elm	<i>Ulmus parvifolia</i>
Crack willow	<i>Salix fragilis</i> L.
Devil's walking stick	<i>Aralia spinosa</i> L.
Empress tree	<i>Paulownia tomentosa</i> (Thunb.) Steudel.
Japanese cork tree	<i>Phellodendron japonicum</i> Maxim.
Mimosa	<i>Albizia julibrissin</i> Durazz.
Norway maple	<i>Acer platanoides</i> L.
Paper-mulberry	<i>Broussonetia papyrifera</i> (L.) Vent.
Scotch pine	<i>Pinus sylvestris</i> L.
Siberian elm	<i>Ulmus pumila</i> L.
Sweet cherry	<i>Prunus avium</i> L.
Tree of heaven	<i>Ailanthus altissima</i> (Miller) Swingle.
Umbrella tree	<i>Magnolia tripetala</i> (L.) L.
White mulberry	<i>Morus alba</i> L.
White poplar	<i>Populus alba</i> L.
White willow	<i>Salix alba</i> L.
Yellow buckeye	<i>Aesculus flava</i> Ait.

Shrubs

Amur honeysuckle	<i>Lonicera maackii</i> (Rupr.) Herder
Autumn olive	<i>Elaeagnus umbellata</i> Thunb.
Black alder	<i>Alnus glutinosa</i> (L.) Gaertner.
Bramble	<i>Rubus discolor</i> Weihe & Nees., <i>R. laciniatus</i> Willd., <i>R. phoenicolasius</i> Maxim.
Bush honeysuckles	<i>Lonicera morrowii</i> A. Gray., <i>L. maackii</i> (Rupr.) Maxim.
Butterfly-bush	<i>Buddleja davidii</i> Franchet.
Clammy locust	<i>Robinia viscosa</i> Vent.
Common buckthorn	<i>Rhamnum cathartica</i> L.
Coral-berry	<i>Symphoricarpos orbiculatus</i> Moench
Dog rose	<i>Rosa canina</i> L.
European barberry	<i>Berberis vulgaris</i> L.
European spindle-tree	<i>Euonymus europaeus</i> L.
False indigo-bush	<i>Amorpha fruticosa</i> L.
Fragrant sumac	<i>Rhus aromatica</i> Aiton.
Garden red currant	<i>Ribes sativum</i> Syme.
Japanese barberry	<i>Berberis thunbergii</i> DC.
Japanese holly	<i>Ilex crenata</i> Thunb.
Jetbead	<i>Rhodotypos scandens</i> (Thunb.) Makino
Linden arrow-wood	<i>Viburnum dilatatum</i> Thunb.
Morrow's bush honeysuckle	<i>Lonicera morrowii</i> Gray
Multiflora rose	<i>Rosa multiflora</i> Thunb.
Oriental redbtip	<i>Photinia villosa</i> (Thunb.) DC.
Privet	<i>Ligustrum obtusifolium</i> , <i>L. ovalifolium</i> , <i>L. vulgare</i> L.
Rose acacia	<i>Robinia hispida</i> L.
Rugosa rose	<i>Rosa rugosa</i> Thunb.
Russian olive	<i>Elaeagnus angustifolia</i> L.
Scotch broom	<i>Cytisus scoparius</i> (L.) Link.
Shrub lespedeza	<i>Lespedeza thunbergii</i> (DC.) Nakai
Siebold viburnum	<i>Viburnum sieboldii</i> Miq.
Smooth buckthorn	<i>Rhamnus frangula</i> L.
Snowberry	<i>Symphoricarpos albus</i> var. <i>laevigatus</i> (Fern.) S.F. Blake
Sweetbrier	<i>Rosa micrantha</i> J.E. Smith
Tartarian honeysuckle	<i>Lonicera tatarica</i> L.
Winged burning bush	<i>Euonymus alatus</i> (Thunb.) Siebold.
Winter creeper	<i>Euonymus fortunei</i> (Turcz.) Hand.-Maz.

Vines

Akebia	<i>Akebia quinata</i> (Houtt.) Decne.
Black swallow-wort	<i>Cynanchum louiseae</i> Kartesz & Gandhi
English ivy	<i>Hedera helix</i> L.

Japanese honeysuckle	<i>Lonicera japonica</i> var. <i>chinensis</i> , <i>L. japonica</i> var. <i>japonica</i>
Kudzu	<i>Pueraria lobata</i> (Willd.) Ohwi.
Mile-a-minute	<i>Polygonum perfoliatum</i> L.
Matrimony vine	<i>Lycium barbarum</i> L.
Oriental bittersweet	<i>Celastrus orbiculatus</i> Thunb.
Periwinkle	<i>Vinca minor</i> L.
Porcelain-berry	<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.
Wisteria	<i>Wisteria floribunda</i> (Willd.) DC., <i>W. frutescens</i> (L.) Poiret., <i>W. sinensis</i> (Sims)
Yam-leaved clematis	<i>Clematis terniflora</i> DC.

Herbs

Bedstraw	<i>Galium mollugo</i> L., <i>G. verum</i> L.
Bitter-cress	<i>Cardamine impatiens</i> L.
Black-eyed Susan	<i>Rudbeckia hirta</i> var. <i>pulcherrima</i> Farw.
Bull thistle	<i>Cirsium vulgare</i> (Savi) Tenore.
Bush clover	<i>Lespedeza cuneata</i> (Dum. Cours.) G. Don.
Butter and eggs	<i>Linaria vulgaris</i> Miller.
Canada thistle	<i>Cirsium arvense</i> (L.) Scop.
Chickweed	<i>Cerastium biebersteinii</i> DC.
Chicory	<i>Cichorium intybus</i> L.
Coltsfoot	<i>Tussilago farfara</i> L.
Cottonweed	<i>Froelichia gracilis</i> (Hook.) Moq.
Creeping primrose-willow	<i>Ludwigia peploides</i> var. <i>glabrescens</i> (Kuntze) Shinnars.
Crown-vetch	<i>Coronilla varia</i> L.
Curly dock	<i>Rumex crispus</i> L.
Cypress spurge	<i>Euphorbia cyparissias</i> L.
Dame' rocket	<i>Hesperis matronalis</i> L.
Dusty miller	<i>Artemisia stelleriana</i> Besser.
Eurasian water-milfoil	<i>Myriophyllum spicatum</i> L.
Field garlic	<i>Allium vineale</i> L.
Garlic mustard	<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande.
Giant chickweed	<i>Myosoton aquaticum</i> (L.) Scop.
Giant knotweed	<i>Polygonum sachalinense</i> F. Schmidt ex Maxim.
Goosefoot	<i>Chenopodium ambrosioides</i> L.
Goutweed	<i>Aegopodium podagraria</i> L.
Ground-ivy	<i>Glechoma hederacae</i> L.
Hawkweed	<i>Hieracium caespitosum</i> Dumont., <i>H. lachenalii</i> C. Gmelin., <i>H. pilosella</i> L., <i>H. piloselloides</i> Villars.
Indian strawberry	<i>Duchesnea indica</i> (Andrews) Focke.
Japanese hops	<i>Humulus japonicus</i> Siebold & Zucc.
Japanese knotweed	<i>Polygonum cuspidatum</i> Sieb. & Zucc.
Leafy spurge	<i>Euphorbia escula</i> L.

Lesser celandine	<i>Ranunculus ficaria</i> L.
Lobelia	<i>Lobelia chinensis</i>
Moneywort	<i>Lysimachia nummularia</i> L.
Mullein	<i>Verbascum blattaria</i> L., <i>V. thapsus</i> L.
Mugwort	<i>Artemisia vulgaris</i> L.
Orange daylily	<i>Hemerocallis fulva</i> (L.) L.
Ox-eye daisy	<i>Leucanthemum vulgare</i> L.
Bearded beggarticks	<i>Bidens aristosa</i> (Michx.) Britt. (including <i>B. polylepis</i> S.F. Blake)
Pondweed	<i>Potamogeton crispus</i> L.
Prince's feather	<i>Polygonum orientale</i> L.
Purple loosestrife	<i>Lythrum salicaria</i> L.
Queen Anne's-lace	<i>Daucus carota</i> L.
Ragged-robin	<i>Lychnis flos-cuculi</i> L.
Skeleton-weed	<i>Chondrilla juncea</i> L.
Speedwell	<i>Veronica beccabunga</i> L., <i>V. hederifolia</i> L.
Spotted knapweed	<i>Centaurea maculosa</i> Lam.
Sweet clover	<i>Melilotus officinalis</i> (L.) Lam., (including <i>M. albus</i> Medik.)
Teasel	<i>Dipsacus fullonum</i> L., <i>D. laciniatus</i> L.
Thistle	<i>Carduus acanthoides</i> L., <i>C. crispus</i> L., <i>C. nutans</i> L., <i>Carlina vulgaris</i> L.
Water-chesnut	<i>Trapa natans</i> L.
Water starwort	<i>Callitriche stagnalis</i> Scop.
Water-thyme	<i>Hydrilla verticillata</i> (L. f.) Royle
White mullein	<i>Verbascum lychnitis</i> L.
Wild chervil	<i>Anthriscus sylvestris</i> (L.) Hoffmann
Winter-cress	<i>Barbarea verna</i> (Miller) Aschers., <i>B. vulgaris</i> R. Br.

Graminoid

African weeping love grass	<i>Eragrostis curvula</i> (Schrud.) Nees
Brome	<i>Bromus japonicus</i> Thunb. ex Murr., <i>B. tectorum</i> L.
Cane	<i>Arundinaria gigantea</i> (Walter) Chapman.
Canary grass	<i>Phalaris canariensis</i> L.

Chinese silver grass
Common reed

Japanese sedge
Japanese stiltgrass
Meadow fescue
Small carp grass
Sweet vernal grass
Umbrella-sedge

Miscanthus sinensis Anderss.
Phragmites australis (Cav.) Trin. (nonindigenous strains only)
Carex kobomugi Ohwi.
Microstegium vimineum (Trin.) A. Camus.
Festuca pratensis Hudson., *F. elatior* L.
Arthraxon hispidus (Thunb.) Makino
Anthoxanthum odoratum L.
Cyperus amuricus Steudel., *C. brevifolioides* Thieret & Delahoussaye., *C. iria* L.