

Invasiveness Assessment Scores and Ranks for 183 Nonnative Plant Species in NYS

Assessments by the Brooklyn Botanic Garden

Reviewed by the Scientific Review Committee of the Long Island Invasive Species Management Area
(LIISMA SRC)

Funded by The Nature Conservancy

Submitted to the New York State Office of Invasive Species Coordination

March 2013

VH (Very High) and H (High) Invasiveness Ranks = Recommend Do Not Sell

M (Moderately invasive) = Recommend agencies do not plant and remove if found, especially in natural areas

L=Low; I=Insignificant; U=Unknown; NA=Not Assessable (Not persistent outside of cultivation)

Species assessments are available on <http://nyis.info/?action=israt>

SCIENTIFIC NAME WITH AUTHORSHIP AND SYNONYMS	COMMON NAME	NYS RANK	REL MAX SCORE	PRESENT IN NATURAL AREAS IN NYS?
<i>Acer ginnala</i> Maxim.	Amur maple	M	66.22	yes
<i>Acer palmatum</i> Thunb.	Japanese maple	M	50.00	yes
<i>Acer platanoides</i> L.	Norway maple	VH	82.00	yes
<i>Acer pseudoplatanus</i> L.	sycamore maple	H	71.11	yes
<i>Achyranthes japonica</i> (Miq.) Nakai	Japanese chaff flower	H	71.08	no
<i>Aegopodium podagraria</i> L.	goutweed	M	63.75	yes
<i>Agrostis gigantea</i> Roth	redtop, black bentgrass	M	67.50	yes
<i>Agrostis stolonifera</i> L. (<i>A. stolonifera</i> ssp. <i>gigantea</i>)	creeping bentgrass	M	67.50	yes
<i>Ailanthus altissima</i> (Miller) Swingle	tree-of-Heaven, ailanthus	M	68.00	yes
<i>Akebia quinata</i> (Houtt.) Dcne.	chocolate vine	M	52.38	yes
<i>Albizia julibrissin</i> Durazz.	silk tree	L	40.00	yes
<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande	garlic mustard	VH	84.00	yes
<i>Alnus glutinosa</i> (L.) Gaertner	European(black) alder	M	64.44	yes
<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.	porcelain berry	H	71.26	yes
<i>Anthriscus sylvestris</i> (L.) Hoffmann	wild chervil	H	78.75	yes
<i>Aralia elata</i> (Miq.) Seem.	Japanese angelica tree	VH	80.46	yes
<i>Artemisia vulgaris</i> L. var. <i>vulgaris</i>	mugwort, common wormwood	H	79.31	yes
<i>Arthraxon hispidus</i> (Thunberg) Makino	arthraxon	H	75.68	yes
<i>Arundinaria gigantea</i> (Walt.) Muhl. (including ssp. <i>gigantea</i> and	bamboo, canebreak, giant cane	NA	59.74	yes
<i>Berberis thunbergii</i> de Candolle (includes all hybrids with other <i>Berberis</i> species)	Japanese barberry	VH	91.00	yes
<i>Berberis vulgaris</i> L.	common barberry	M	68.75	yes
<i>Brachypodium sylvaticum</i> (Huds.) P. Beauv. ssp. <i>sylvaticum</i>	slender false brome	VH	86.60	Yes
<i>Bromus tectorum</i> L.	cheat grass	M	50.00	yes
<i>Buddleja davidii</i> Franch.	orange-eye Butterfly-bush	L	45.45	yes
<i>Butomus umbellatus</i> L.	flowering rush	M	63.75	yes
<i>Cabomba caroliniana</i> A. Gray, Ann	fanwort, Carolina water-shield	H	72.34	yes
<i>Callitriche stagnalis</i> Scop.	pond water starwort	L	48.75	yes
<i>Caragana arborescens</i> Lam.	Siberian peashrub	U	--	no
<i>Cardamine impatiens</i> L.	narrowleaf bittercress	H	76.32	yes
<i>Carex kobomugi</i> Ohwi	Japanese sedge, Asiatic sand sedge	M	68.60	no
<i>Caulerpa taxifolia</i> (Vahl) C. Agardh	killer alga	NA	--	no
<i>Celastrus orbiculatus</i> Thunberg	Oriental bittersweet	VH	86.67	yes
<i>Centaurea jacea</i> s.l. (<i>C. nigra</i> , <i>C. nigrescens</i> , <i>C. xmoncktonii</i>)	black knapweed, black star-thistle, tyrol	M	62.34	yes
<i>Centaurea stoebe</i> ssp. <i>micranthos</i> s.l. (<i>C. biebersteinii</i> , <i>C.</i> <i>diffusa</i> , <i>C. maculosa</i> misapplied, <i>C. xpsammogena</i>)	spotted knapweed, spotted star-thistle	H	78.89	yes

SCIENTIFIC NAME WITH AUTHORSHIP AND SYNONYMS	COMMON NAME	NYS RANK	REL MAX SCORE	PRESENT IN NATURAL AREAS IN NYS?
<i>Cirsium arvense</i> (L.) Scop. (C. setosum, C. incanum, Carduus arvensis, Serratula arvensis)	Canada thistle	H	71.00	yes
<i>Cirsium palustre</i> (L.) Scop (Carduus palustris)	marsh thistle, European swamp thistle	M	67.90	yes
<i>Clematis terniflora</i> de Candolle	Japanese virgin's bower; yam-leaf clematis	H	72.60	yes
<i>Coronilla varia</i> L. Coronilla varia (Securigera varia)	crown vetch	M	62.07	yes
<i>Cynanchum louiseae</i> Kartsch & Gandhi (C. nigrum,	black Swallow-wort	VH	89.69	yes
<i>Cynanchum rossicum</i> (Kleop.) Borh. (C. medium, Vincetoxicum medium, V.rossicum)	pale Swallow-wort	VH	87.63	yes
<i>Cyperus difformis</i> L.	variable flatsedge	M	51.95	yes
<i>Datura stramonium</i> L.	jimsonweed, common thorn-apple, Jamestown	M	50.00	yes
<i>Digitalis lanata</i> Ehrh.	Grecian foxglove	I	36.78	yes
<i>Digitalis purpurea</i> L.	purple foxglove	M	53.33	yes
<i>Dioscorea polystachya</i> Turczaninow (D. batatas)	Chinese yam; cinnamon vine	H	77.50	yes
<i>Dipsacus laciniatus</i> L.	cut-leaf Teasel	H	75.56	yes
<i>Egeria densa</i> Planchon	Brazilian waterweed	H	74.71	yes
<i>Eichornia crassipes</i> (Martius) Solms-Laubach	common water-hyacinth	NA	--	no
<i>Elaeagnus angustifolia</i> L.	Russian olive	M	68.00	yes
<i>Elaeagnus umbellata</i> Thunberg	autumn olive	VH	94.00	yes
<i>Eleutherococcus pentaphyllus</i> (Siebold & Zucc.) Nakai	five-leaved aralia	NA	--	no
<i>Epilobium hirsutum</i> L.	hairy willow herb; codlins & cream	M	62.50	yes
<i>Eragrostis curvula</i> (Schrader) Nees von Esenbeck	weeping lovegrass	M	57.14	yes
<i>Euonymus alatus</i> (Thunberg) Siebold	winged euonymus	VH	81.25	yes
<i>Euonymus europaeus</i> L.	European spindletree	M	60.00	yes
<i>Euonymus fortunei</i> (Turcz.) Hand. var. radicans (Siebold ex	winter creeper	H	77.78	yes
<i>Euphorbia cyparissias</i> L.	cypress spurge	H	75.32	yes
<i>Euphorbia esula</i> L.	leafy spurge	H	75.90	yes
<i>Euphorbia lathyris</i> L.	caper spurge	M	56.98	yes
<i>Fallopia baldschuanica</i> (Regel) Holub (F. aubertii; Polygonum	China fleece vine; silver lace vine	M	50.60	yes
<i>Fallopia japonica</i> (Hout.) Dcne. var. <i>japonica</i> (F. sachalinensis/ xbohemica)(<i>Polygonum cuspidatum</i>	Japanese knotweed, giant knotweed	VH	97.94	yes
<i>Festuca filiformis</i> Pourret (F. brachyphylla, F. capillata, F. tenuifolia, F. ovina ssp. tenuifolia, F. ovina var. capillata/tenuifolia)	hair fescue; fineleaf sheep fescue	M	60.27	yes
<i>Frangula alnus</i> P. Mill. (<i>Rhamnus frangula</i>)	smooth buckthorn	H	72.73	yes
<i>Froelichia gracilis</i> (Hooker) Moq.	slender cottonweed	M	53.25	yes
<i>Galega officinalis</i> L.	professor Weed; Goat's rue	M	59.72	yes
<i>Galium odoratum</i> (L.) Scop. (<i>Asperula odorata</i> L.)	sweet bedstraw (woodruff)	L	47.78	yes
<i>Glaucium flavum</i> Crantz	yellow hornpoppy	M	65.75	yes
<i>Glossostigma cleistanthum</i> (G. diandrum (L.) Kunze)	mudmats	I	34.88	no
<i>Glyceria maxima</i> (Hartman) Holmberg	tall Glyceria, English Watergrass, Reed	H	79.52	no
<i>Hedera helix</i> L.	English ivy	M	66.00	yes
<i>Hemerocallis fulva</i> (L.) L.	day lily	L	46.25	yes
<i>Heraclium mantegazzianum</i> Sommier & Levier	giant hogweed	H	72.00	yes
<i>Hesperis matronalis</i> L.	dame's rocket	M	56.98	yes
<i>Hordeum murinum</i> L. ssp. leporinum (Link) Arcang.	leporinum barley	NA	--	no
<i>Humulus japonicus</i> Sieb. & Zucc.	Japanese hops	H	74.03	yes
<i>Hydrilla verticillata</i> (L. f.) Royle	water thyme	VH	91.40	yes
<i>Hydrocharis morsus-ranae</i> L.	frogbit	VH	85.57	yes

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<i>Hypericum perforatum</i> L.	St. John's Wort	L	46.75	yes
<i>Ilex crenata</i> Thunb.	Japanese holly	L	46.67	yes
<i>Impatiens glandulifera</i> Royle	ornamental jewelweed	M	66.67	yes
<i>Imperata cylindrica</i> (L.) P. Beauv. (<i>I. arundinacea</i> , <i>Lagurus</i>)	cogon grass	H	79.00	no
<i>Iris pseudacorus</i> L.	yellow iris	H	76.00	yes
<i>Kochia scoparia</i> (L.) Schrader ssp. <i>scoparia</i>	Mexican Summer-cypress	M	68.75	yes
<i>Lepidium latifolium</i> L.	broad-leaf Pepper-grass	H	79.38	yes
<i>Lespedeza bicolor</i> Turcz.	shrubby bush clover	M	63.33	yes
<i>Lespedeza cuneata</i> (Dum.-Cours.) G. Don	Chinese lespedeza	H	74.44	yes
<i>Ligustrum amurense</i> Caar.	Amur privet	NA	--	no
<i>Ligustrum obtusifolium</i> Siebold & Zuccarini	border privet	H	76.67	yes
<i>Ligustrum ovalifolium</i> Hassk.	California privet	L	44.83	yes
<i>Ligustrum sinense</i> Lour	Chinese privet	NA	--	no
<i>Ligustrum vulgare</i> L.	European privet	M	67.82	yes
<i>Lobelia chinensis</i> Lour.	Chinese lobelia	I	36.99	no
<i>Lonicera japonica</i> Thunberg	Japanese honeysuckle	VH	83.51	yes
<i>Lonicera maackii</i> (Rupr.) Maxim.	Amur honeysuckle	VH	84.44	yes
<i>Lonicera morrowii</i> A. Gray (including <i>L. tatarica</i> ; <i>L. xbella</i>)	morrow's honeysuckle	VH	85.54	yes
<i>Lonicera xylosteum</i> L.	European fly honeysuckle	U	--	yes
<i>Lotus corniculatus</i> L.	bird's Foot Trefoil	M	59.00	yes
<i>Ludwigia grandiflora</i> (Michx.) Greuter & Burdet ssp.	Uruguayan primrose willow	VH	88.30	yes
<i>Ludwigia peploides</i> (Kunth) Raven ssp. <i>glabrescens</i> (Kuntze) Raven	floating primrose willow	VH	89.36	yes
<i>Lysimachia clethroides</i> Duby	gooseneck yellow loosestrife	NA	--	no
<i>Lysimachia nummularia</i> L.	moneywort	M	64.29	yes
<i>Lysimachia punctata</i> L. var. <i>verticillata</i> (Bieb.) Klatt	spotted Loosestrife	M	57.14	yes
<i>Lysimachia vulgaris</i> L.	garden loosestrife	H	72.73	yes
<i>Lythrum salicaria</i> L.	purple loosestrife	VH	91.00	yes
<i>Marsilea quadrifolia</i> L.	European water fern	U	--	yes
<i>Microstegium vimineum</i> (Trinius) A. Camus	Japanese stilt grass	VH	85.00	yes
<i>Miscanthus sacchariflorus</i> (Maxim.) Hack.	Japanese silvergrass	NA	--	no
<i>Miscanthus sinensis</i> Anderss.	Chinese silver grass; eulalia	H	77.78	yes
<i>Morus alba</i> L.	white mulberry	M	68.67	yes
<i>Murdannia keisak</i> (Hassk.) Hand.-Maz.	marsh dewflower, wart-removing herb	H	78.16	no
<i>Myosotis scorpioides</i> L.	true forget-me-not	U	--	yes
<i>Myriophyllum aquaticum</i> (Vellozo) Verdcourt	parrot-feather	H	76.67	yes
<i>Myriophyllum heterophyllum</i> Michx. (<i>includes X pinnatum</i>)	broadleaf water-milfoil	VH	93.62	yes
<i>Myriophyllum spicatum</i> L.	Eurasian water-milfoil	VH	100.00	yes
<i>Najas minor</i> Allioni	brittle water nymph	M	64.84	yes
<i>Nasturtium officinale</i> R. Br. ex Aiton (<i>Rorippa nasturtium-</i> <i>Nelumbo nucifera</i> Gaertner)	watercress	M	65.75	yes
	sacred lotus	M	64.38	yes
<i>Nymphoides peltata</i> (Walt. ex Gmel.) Kuntze	yellow floating heart	H	74.47	yes
<i>Oplismenus hirtellus</i> (L.) P. Beauv. ssp. <i>undulatifolius</i> (Ard.) U.	wavyleaf basketgrass	H	70.27	no
<i>Paulownia tomentosa</i> (Thunberg) Siebold & Zuccarini ex Steudel	princess tree	M	51.11	yes
<i>Persicaria longiseta</i> (Brujin) Kitagawa (<i>Polygonum</i> <i>caespitosum</i> var. <i>longiseta</i>)	creeping smartweed	M	60.27	yes

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<i>Persicaria nepalensis</i> (Meisn.) H. Gross (=Polygonum nepalens)	Nepal smartweed	U	--	yes
<i>Persicaria perfoliata</i> (L.) H. Gross (<i>Polygonum perfoliatum</i>)	mile a minute weed	VH	91.11	yes
<i>Phalaris arundinacea</i> L. (Eurasian genotype)	reed canary-grass	H	77.78	yes
<i>Phellodendron amurense</i> Rupr./ <i>P. japonicum</i> Maxim.	Amur cork tree	H	74.00	yes
<i>Phleum pratense</i> L.	timothy	M	63.75	yes
<i>Phragmites australis</i> (Cav.) Trin. ex Steud. ssp. Australis	common reed grass (subsp. Indicates	VH	92.00	yes
<i>Phyllostachys aureosulcata</i> -and- <i>P. aurea</i> [§]	yellow groove bamboo and golden bamboo	NA	(71.43 [§])	no
<i>Pinellia ternata</i> (Thunb.) Makino ex Breitenbach	crowdipper, green dragon	I	39.73	yes
<i>Pinus thunbergii</i> Parl.	Japanese black pine	M	58.62	yes
<i>Pistia stratiotes</i> L.	water lettuce	NA	--	no
<i>Poa bulbosa</i> L.	bulbous bluegrass	L	48.75	yes
<i>Poa compressa</i> L.	Canada Bluegrass	M	68.75	yes
<i>Poa pratensis</i> L.	Kentucky bluegrass	M	67.78	yes
<i>Populus alba</i> L.	white Poplar	M	55.95	yes
<i>Potamogeton crispus</i> L.	curly pondweed	H	79.79	yes
<i>Prunus avium</i> L.	sweet cherry	M	55.00	yes
<i>Prunus cerasus</i> L.	sour red cherry	M	55.00	yes
<i>Prunus padus</i> L.	European Bird Cherry	M	51.11	yes
<i>Pseudosasa japonica</i> (Siebold & Zucc. ex Steud.) Makino ex	arrow bamboo	NA	55.17	no
<i>Pueraria montana</i> (Lour.) Merr. var. lobata (Willdenow)	kudzu	VH	84.44	yes
<i>Pyrus calleryana</i> Decne.	Bradford Pear	M	65.06	yes
<i>Ranunculus ficaria</i> L. var. bulbifera Marsden-Jones	lesser celandine	VH	85.56	yes
<i>Ranunculus repens</i> L.	creeping buttercup	M	63.22	yes
<i>Rhamnus cathartica</i> L.	common buckthorn	VH	81.00	yes
<i>Rhodotypos scandens</i> (Thunberg) Makino	jetbead	M	69.33	yes
<i>Robinia hispida</i> L. (var. fertilis & hispida)	bristly locust	L	48.28	yes
<i>Robinia pseudoacacia</i> L.	black locust	VH	81.11	yes
<i>Rorippa amphibia</i> (L.) Besser (<i>Nasturtium amphibia</i> (L.) W.T.	water yellowcress; great yellowcress	U	--	yes
<i>Rosa multiflora</i> Thunberg	multiflora rose	VH	89.00	yes
<i>Rosa rugosa</i> Thunberg	Japanese (rugosa) rose	M	63.44	yes
<i>Rubus bifrons</i> Vest. ex Tratt. (<i>R. armeniacus</i> Focke; <i>R.</i>	Himalyan blackberry usda.plants.gov	M	56.67	yes
<i>Rubus laciniatus</i> Willdenow	evergreen Blackberry	M	63.22	yes
<i>Rubus phoenicolasius</i> Maxim.	wineberry	VH	85.56	yes
<i>Rumex acetosella</i> L. ssp. <i>pyrenaicus</i> (Pourret ex Lapeyr.)	sheep sorrel	M	66.25	yes
<i>Salix atrocinerea</i> Brotero	gray florist's willow	VH	84.44	yes
<i>Salvinia molesta</i> Mitchell	water fern	NA	--	no
<i>Saponaria officinalis</i> L.	bouncing-bet	M	52.50	yes
<i>Schedonorus arundinaceus</i> (Schreb.) Dumort (<i>Lolium</i>	tall fescue, Kentucky fescue, Reed Fescue,	M	65.00	yes

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<i>Senecio jacobaea</i> L.	tansy ragwort	M	60.00	yes
<i>Silphium perfoliatum</i> L. var. <i>perfoliatum</i>	cup-plant	H	77.78	yes
<i>Solanum dulcamara</i> L. var. <i>dulcamara</i>	trailing nightshade	M	50.52	yes
<i>Sorbaria sorbifolia</i> (L.) A. Braun	false spirea	U	--	yes
<i>Spiraea japonica</i> L. f.	Japanese spirea	M	62.34	yes
<i>Stratiotes aloides</i> L.	water soldiers	NA	--	no
<i>Syringa reticulata</i> (Blume) H.Hara[(=S. amurensis (Rupr.) Rupr	tree lilac	U	--	no
<i>Tanacetum vulgare</i> L.	common tansy	M	52.38	yes
<i>Trapa natans</i> L.	water chestnut	VH	82.00	yes
<i>Tussilago farfara</i> L.	coltsfoot	M	57.50	yes
<i>Ulmus pumila</i> L.	Siberian elm	M	52.50	yes
<i>Valeriana officinalis</i> L.	common Valerian	M	62.16	yes
<i>Verbena bonariensis</i> L. var. <i>bonariensis</i>	purpletop vervain	NA	--	no
<i>Veronica beccabunga</i> L.	European Speedwell	M	61.84	yes
<i>Veronica officinalis</i> L.	speedwell, gypsy-weed	M	51.95	yes
<i>Viburnum dilatatum</i> Thunb.	linden arrowwood	M	57.14	yes
<i>Viburnum lantana</i> L.	wayfaring-tree	M	53.75	yes
<i>Viburnum opulus</i> var. <i>opulus</i> (nonnative variety)	European Cranberry Bush	M	67.09	yes
<i>Viburnum setigerum</i> Hance	tea viburnum	L	41.25	yes
<i>Viburnum sieboldii</i> Miq.	siebold Viburnum	M	62.50	yes
<i>Vicia cracca</i> L. s.l.	cow vetch	M	54.44	yes
<i>Vinca minor</i> L.	periwinkle	M	57.14	yes
<i>Vitex rotundifolia</i> L. f.	beach vitex; roundleaf chastetree	H	73.00	no
<i>Wisteria sinensis</i> (Sims) Sweet/ <i>W. floribunda</i> (Willdenow) DC.	Chinese wisteria	M	56.70	yes

§*Phyllostachys aureosulcata* and *P. aurea* do not appear to escape cultivation and establish new occurrences in natural/minimally managed areas; hence species are ranked "Not Assessable." The Relative Maximum Score is retained to document the significant impacts this species may have in natural and cultivated areas resulting from aggressive vegetative spread.

VH species = 32
#H species = 37
M species = 76
L species= 11
I species = 4
NA species = 15
U species = 8
SUM = 183