



## ***The Bay Area Early Detection Network's Early Detection and Rapid Response List***

This Early Detection & Rapid Response (EDRR) Target Species List presents 73 plant species that are the current focus of detection and eradication efforts for Bay Area Early Detection Network (BAEDN) partners. These species are known to be invasive but are thought to occur only in limited locations throughout the nine-county San Francisco Bay Area. Eradication of these species from the region is possible through coordinated early detection and removal. Eradication will obviate the large and costly threats these species can grow into if left to establish.

### ***Developing the List***

The process of listing species combined quantitative analysis of distribution and invasiveness with supplemental expert opinion. California occurrence records for non-native plant species were downloaded from the Calflora and California Consortium of Herbaria databases. All species were then evaluated for their level of documented invasiveness from a broad set of publications and rankings. Non-native species shown to be invasive and have limited Bay Area occurrence records were reviewed as candidate early detection species. Invasive plant experts from across the region then reviewed candidate species to verify distribution and invasiveness. Experts also reviewed species not documented as invasive by our consulted sources, so that invasive species not well studied or understood in the literature were not overlooked by our analysis. From over 1400 species considered, 73 taxa remained. These highly invasive species of limited San Francisco Bay Area distribution represent a high threat if left unchecked, but also offer a high feasibility of eradication success if acted upon promptly.

### ***Future Listings***

This list will be revised periodically. Future updates will also address aquatic species, which are not yet included. New species of highly invasive plants will be added as they are detected within the San Francisco Bay Area. Species without San Francisco Bay Area records since 2000 are not included.

### ***Get Involved!***

Here are just a few of the many ways to help out:

- Report infestations of priority species to the Calflora occurrence database, accessible through links from [BAEDN.org](http://BAEDN.org).
- Report your invasive plant treatment and monitoring efforts to BAEDN so we can track progress toward eradication.
- We are recruiting invasive plant species experts to serve on a BAEDN Priority Species list committee which would evaluate species for Priority Species list updates. Committee members should possess good on-the ground knowledge of invasive plants in their county, and ideally throughout other parts of the San Francisco Bay Area. Serving on the committee offers a chance to provide high impact service through only relatively short and infrequent time commitments.
- Sign-up your organization as a BAEDN partner.
- Subscribe to the BAEDN listserv for periodic updates and announcements.

Learn more at [www.baedn.org](http://www.baedn.org).

Please contact BAEDN staff at [coordinator@BAEDN.org](mailto:coordinator@BAEDN.org) for more information.

## Bay Area Early Detection Network's Early Detection & Rapid Response Target Species

Species Name	Common Name	Family	U.S. Department of Agriculture Code	California Department of Food and Agriculture (CDFA) or Federal Noxious Weed Rating
<i>Acacia paradoxa</i>	kangaroo thorn	Fabaceae	ACPA8	CDFA B
<i>Acaena novae-zelandiae</i>	biddy-biddy	Rosaceae	ACNO7	CDFA A
<i>Achnatherum brachychaetum</i>	punagrass	Poaceae	ACBR5	CDFA A
<i>Aegilops triuncialis</i>	barbed goatgrass	Poaceae	AETR	CDFA B
<i>Ambrosia trifida</i>	giant or great ragweed	Asteraceae	AMTR	CDFA B
<i>Araujia sericifera</i>	bladderflower	Asclepiadaceae	ARSE8	CDFA B
<i>Arctotheca calendula</i>	Capweed (fertile only)	Asteraceae	ARCA45	CDFA A
<i>Arrhenatherum elatius</i>	tall oatgrass	Poaceae	AREL3	not rated
<i>Asparagus asparagoides</i>	African asparagus fern	Liliaceae	ASAS4	not rated
<i>Asphodelus fistulosus</i>	onionweed	Liliaceae	ASFI2	federal noxious
<i>Brachypodium sylvaticum</i>	slender false brome	Poaceae	BRSY	CDFA A
<i>Buddleja davidii</i>	orange eye butterflybush	Buddlejaceae	BUDA2	not rated
<i>Cardaria pubescens</i>	globe-podded hoary cress	Brassicaceae	CAPU6	CDFA B
<i>Carduus acanthoides</i>	spiny plumeless thistle	Asteraceae	CAAC	CDFA A
<i>Carex pendula</i>	hanging sedge	Cyperaceae	CAPE45	not rated
<i>Carthamus leucocaulos</i>	whitestem distaff thistle	Asteraceae	CALE52	CDFA A
<i>Centaurea diffusa</i>	diffuse knapweed	Asteraceae	CEDI3	CDFA A
<i>Centaurea iberica</i>	Iberian knapweed	Asteraceae	CEIB	CDFA A
<i>Centaurea maculosa</i>	spotted knapweed	Asteraceae	CESTM	CDFA A
<i>Centaurea repens</i>	Russian knapweed	Asteraceae	ACRE3	CDFA B
<i>Centaurea sulphurea</i>	sulphur knapweed; Sicilian starthistle	Asteraceae	CESU	CDFA B
<i>Cestrum parqui</i>	Chilean jessamine	Solanaceae	CEPA9	not rated
<i>Chondrilla juncea</i>	rush skeletonweed	Asteraceae	CHJU	CDFA A
<i>Cirsium undulatum</i>	wavyleaf thistle	Asteraceae	CIUN	CDFA A
<i>Coprosma repens</i>	creeping mirrorplant	Rubiaceae	CORE4	not rated
<i>Crupina vulgaris</i>	common crupina	Asteraceae	CRVU2	CDFA A
<i>Cuscuta japonica</i>	Japanese dodder	Cuscutaceae	CUJA	CDFA A
<i>Cytisus striatus</i>	striated broom	Fabaceae	CYST7	not rated
<i>Danthonia pilosa</i>	hairy wallaby grass	Poaceae	RYPI	not rated
<i>Echium plantagineum</i>	salvation jane	Boraginaceae	ECPL	not rated
<i>Euphorbia esula</i>	leafy spurge	Euphorbiaceae	EUES	CDFA A
<i>Euphorbia terracina</i>	Geraldton carnation weed	Euphorbiaceae	EUTE10	CDFA Q
<i>Festuca pratensis</i>	meadow fescue	Poaceae	SCPR4	not rated
<i>Gaura drummondii</i>	Drummond's beeblossom	Onagraceae	GADR	CDFA B
<i>Gaura sinuata</i>	wavyleaf beeblossom	Onagraceae	GASI	CDFA B
<i>Gazania linearis</i>	treasureflower	Asteraceae	GALI4	not rated
<i>Gunnera tinctoria</i>	Chilean gunnera	Gunneraceae	GUTI	not rated
<i>Halimodendron halodendron</i>	common salttree	Fabaceae	HAHA8	CDFA A
<i>Helichrysum petiolare</i>	licorice-plant	Asteraceae	HEPE8	not rated
<i>Hypericum canariense</i>	Canary Island St. Johnswort	Hypericaceae	HYCA11	CDFA B

List Updated: 9/23/2010

**BAEDN EDRR Species list (continued)**

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<i>Isatis tinctoria</i>	Dyer's woad	Brassicaceae	ISTI	CDFA B
<i>Lepidium campestre</i>	field pepperweed	Brassicaceae	LECA5	not rated
<i>Ligustrum lucidum</i>	glossy privet	Oleaceae	LILU2	not rated
<i>Ligustrum ovalifolium</i>	California privet	Oleaceae	LIOV	not rated
<i>Limonium ramosissimum</i>	Algerian sea lavender	Plumbaginaceae	LIRA2	not rated
<i>Linaria genistifolia</i> ssp. <i>dalmatica</i>	Dalmatian toadflax	Scrophulariaceae	LIDAD	CDFA A
<i>Linaria vulgaris</i>	butter and eggs	Scrophulariaceae	LIVU2	not rated
<i>Lonicera japonica</i>	Japanese honeysuckle	Caprifoliaceae	LOJA	not rated
<i>Lythrum salicaria</i>	purple loosestrife	Lythraceae	LYSA2	CDFA B
<i>Nassella formicarum/manicata</i>	tropical needlegrass	Poaceae	NAMA7	not rated
<i>Nassella tenuissima</i>	finestem needlegrass	Poaceae	NATE3	CDFA C
<i>Onopordum acanthium</i>	Scotch thistle	Asteraceae	ONAC	CDFA A
<i>Onopordum illyricum</i>	Illyrian thistle	Asteraceae	ONIL	CDFA A
<i>Paspalum urvillei</i>	Vasey's grass	Poaceae	PAUR2	not rated
<i>Polygonum aubertii</i>	Bukhara fleecflower	Polygonaceae	POBA3	not rated
<i>Polygonum cuspidatum</i>	Japanese knotweed	Polygonaceae	POCU6	CDFA B
<i>Polygonum polystachyum</i>	cultivated knotweed	Polygonaceae	POPO5	CDFA B
<i>Pyracantha coccinea</i>	scarlet firethorn	Rosaceae	PYCO2	not rated
<i>Pyracantha crenulata</i>	Nepalese firethorn	Rosaceae	PYCR7	not rated
<i>Ricinus communis</i>	castorbean	Euphorbiaceae	RICO3	not rated
<i>Rubus laciniatus</i>	cutleaf blackberry	Rosaceae	RULA	not rated
<i>Rumex dentatus</i>	toothed dock	Polygonaceae	RUDE3	not rated
<i>Saccharum ravennae</i>	ravennagrass	Poaceae	SARA3	not rated
<i>Sapium sebiferum</i>	Chinese tallowtree	Euphorbiaceae	TRSE6	not rated
<i>Scolymus hispanicus</i>	goldenthistle	Asteraceae	SCHI	CDFA A
<i>Senecio jacobaea</i>	tansy ragwort; stinking willie	Asteraceae	SEJA	CDFA B
<i>Senna multiglandulosa</i>	glandular senna	Fabaceae	SEMU14	not rated
<i>Sesbania punicea</i>	red sesbania; rattlebox	Fabaceae	SEPU7	CDFA B
<i>Solanum carolinense</i>	Carolina horsenettle	Solanaceae	SOCA3	CDFA B
<i>Solanum rostratum</i>	buffalobur nightshade	Solanaceae	SORO	not rated
<i>Spartina alterniflora</i> (hybrids)	hybrid smooth cord grass	Poaceae	SPAL	CDFA B
<i>Spartina densiflora</i>	denseflower cordgrass	Poaceae	SPDE2	CDFA B
<i>Spartina patens</i>	saltmeadow cordgrass	Poaceae	SPPA	CDFA B

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If you see an infestation of one of these species, please report it to the Calflora occurrence database, accessible through links from [BAEDN.org](http://BAEDN.org). If you are a BAEDN partner managing lands or treating invasive plants, we ask that you please report your treatment and monitoring efforts so that BAEDN can track progress toward eradication.

BAEDN is a collaborative initiative that coordinates early detection and rapid response to harmful invasive plants. This list was developed using a rigorous framework to identify those species which are still uncommon but are likely to be cause harm if allowed to spread. Accuracy of these models depends on good data, so please report your observations and suggestions to BAEDN staff at [coordinator@BAEDN.org](mailto:coordinator@BAEDN.org).

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