LITERATURE COMPLITATION
PROBLEMATIC PLANT SPECIES FOR WILDFLOWER ESTABLISHMENT

Seed sowing is often the most economical means of establishing wildflower plantings in landscape and natural settings. However, competition from noxious weeds or aggressive native species that co-exist on a site can present major limitations to wildflower seedling establishment in restoration and landscaping settings. Wildflower planting failure is sometimes expressed as decreased aesthetic value in commercial landscapes or limited establishment of desired species in restoration projects. Such failures can be linked to a lack of information regarding weed seed biology and requirements for weed management. Furthermore, wildflower planting failure can cast doubt on continued use of native wildflowers. Therefore, a critical need exists to disseminate information related to the germination, establishment and control measures for species affecting wildflower plantings.

The bibliographic citations in this document relate to the ecology, germination, establishment, and control measures of selected weed species that interfere with Florida native wildflower establishment. A steering-committee, composed of Florida native wildflower stakeholders and the PI, Hector Perez, University of Florida[1], developed a list of thirteen primary and nine secondary weed species of interest. We focused our attention on the primary species and collected citations for secondary species as time permitted.

Primary species	Secondary species
Ambrosia artemesiifolia (ragweed)	*Chenopodium ambrosioides* (Mexican tea)
Cynodon dactylon (Bermuda grass)	*Dactyloctenium aegyptium* (crowsfoot grass)
Cyperus esculentus (yellow nut sedge)	*Echinochloa crus-gallii* (barnyard grass)
Cyperus rotundus (purple nut sedge)	*Eleusine indica* (goose grass)
Digitaria ciliaris (southern crabgrass)	*Eupatorium capillifolium* (dog fennel)
Imperata cylindrica (Cogon grass)	*Macroptillium lathyroides* (wild bushbean)
Indigofera hirsuta (hairy indigo)	*Paspalum urvillei* (Vasey grass)
Panicum maximum (Guinea grass)	*Sphagneticola trilobata* (wedelia)
Panicum repens (Torpedo grass)	*Urochloa plantaginea* (creeping signal grass)
Paspalum notatum (Bahia grass)	*Chenopodium ambrosioides* (Mexican tea)
Richardia brasiliensis (Mexican clover)	*Dactyloctenium aegyptium* (crowsfoot grass)
Rhynchelytrrum repens (Natal grass)	*Echinochloa crus-gallii* (barnyard grass)
Sporobulus indicus (smut grass)	

[1] *Literature Compendium: Problematic Plant Species for Florida Wildflower Establishment.* (2015) Pérez, H. Department of Environmental Horticulture, University of Florida. Produced through a grant from the Florida Wildflower Foundation.

Primary Species

***Ambrosia artemesiifolia* (ragweed) – 28 citations**

Anon. (2008) *Ambrosia artemisiifolia*. *EPPO Bulletin*. 38, 414-418.

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***Cynodon dactylon* (Bermuda grass) – 28 citations**

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***Cyperus esculentus* (yellow nutsedge) – 58 citations**

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***Cyperus rotundus* (purple nutsedge) – 53 citations**

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