

Nymphoides cristata

CRESTED FLOATINGHEART

Menyanthaceae

Common Synonyms: *none*

FLEPPC Category: 1

FDACS Listed Noxious Weed: No

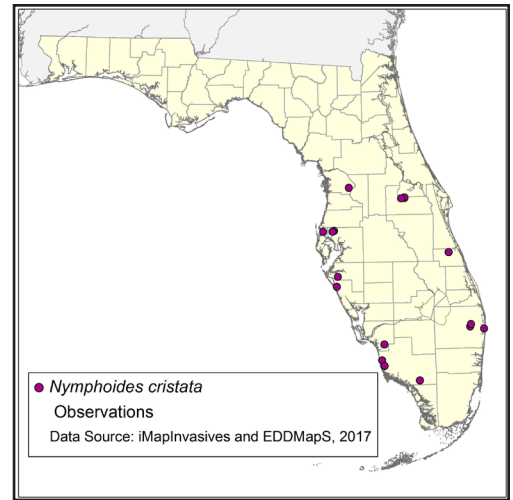
IFAS Assessment

North	PROHIBITED
Central	PROHIBITED
South	PROHIBITED

USDA Hardiness Zone: 8-13

Growth Habit: Rooted aquatic

Origin: Eastern India, Vietnam, and southern China



Description: A rooted, floating-leaved aquatic plant with slender, tapered clusters of tuberous roots on the underside of its floating leaves. Flowers are held on stalks above the leaves and are white with five petals. Each petal bears an erect fold of tissue that runs the length the upper side. Fruits are capsules to 6 mm long, each containing up to 20 seeds. Also forms bulbils on the underside of the leaves.

Note: Similar to native *Nymphoides* species, but the erect fold of tissue along each petal is unique to *N. cristata*.

Habitat: Ponds, lakes, and canals

Comments: Introduced for the aquatic plant nursery trade and currently still available for purchase. Spreads extremely fast. In South Carolina, an infestation was reported to grow from 20 acres to 2,000 acres in 5 years.

Florida Introduction Date: Late 1900s

Control Methods:

No known insect herbivores, and grass carp are ineffective. Drawdowns and mechanical harvest are not effective. Although more testing is needed, it appears that foliar treatments of flumioxazin+glyphosate mixtures are the most effective.

Useful Resources:

Texasinvasive.org.; Invasives Database: http://www.texasinvasives.org/plant_database/detail.php?symbol=NYCR. Accessed on 04 January 2017

Glomski, L.M., L.N. Willey, M.D. Netherland. 2014. The efficacy of protox-inhibiting herbicides alone and in combination with glyphosate to control crested floating heart. *J Aquat. Plant Manage.* 52: 90-92

University of Florida IFAS Extension. 2015. Aquatic Weeds: Crested Floating Heart (*Nymphoides cristata*). [http://edis.ifas.ufl.edu/ag354#FIGURE 9](http://edis.ifas.ufl.edu/ag354#FIGURE_9). Accessed on 04 January 2017