European Water Chestnut

(Trapa natans)







Description

European water chestnut is a distinct floating plant that can be recognized water chestnut can survive free of the substrate for long periods of time.

green, but once free of the plant they quickly harden and become dark nutlets, but three spiked nutlets have also been observed and are likely the result of confounding species or biotypes.

Native Range and Original Use

European water chestnut is indeed native to Europe but can also be found natively in Africa and Asia. Water chestnut was initially introduced to the U.S. in the early 1870s as part of the Asa Gray's Botanical Gardens at Harvard University and was intentionally released into surrounding ponds. It has since spread to many water bodies in the Northeast.

Habitat and Dispersion

Like many floating plants, water chestnut prefers slow-moving waters and thrives in high-nutrient, eutrophic water bodies. It is primarily spread by the nutlets, either by waterfowl or attached to boats and trailers. Nutlets can persist in the seed bank for up to 5 years.



the World,

Best Management Practice

The best way to deal with water chestnut is by hand pulling all visible plants, making sure to include the roots as well. This is best done before June when the plants begin flowering and producing nutlets. For large infestations, mechanical harvest is best. Nutlets can persist in the substrate for up to 5 years and can be transported by waterfowl and geese, so continued monitoring and periodic removals are necessary.

Source: https://nas.er.usgs.gov/