



Zizania latifolia

Manchurian water-rice, Manchurian wild rice, Ricegrass, Water-bamboo, Wild rice stem

Threat scores

1. Ecological impact
 - “Where it has been introduced, its dense growth can exclude almost any native species of plant, fish, or animal. It blocks drainage systems, and if not controlled can easily overgrow pasture and farmland converting productive farmland into swamp. Seriously affects the use of farmland, and freshwater and estuarine ecosystems” (Molnar 2008).
2. Invasive potential
 - Cultivated as a food crop in East Asia and is often grown as cover for wild fowl along the sides of lakes in Britain. Seed dispersal via birds & machinery, fragments dispersed by water downstream (Molnar 2008).
3. Geographic extent
 - Locally pervasive
4. Management difficulty
 - Once established, it is difficult to eradicate. Chemical treatments & mechanical removal are the most effective means on small infestations, with follow up treatments. (Molnar 2008).
 - Prohibited in New Zealand.



Geography and Habitat

1. Origin: Asia
2. Coastland, water courses, marine, lakes, riparian zones
3. Also estuaries, wetlands. Can grow in both fresh and salt water, stagnant ponds and poorly drained soils.

Invasion Pathways

1. Ballast &/or Fouling
 - Accidental probable
 - Cause- Soil ballast in ships
2. Agriculture and Forestry Species Trade
 - Intentional known
 - Cause- cultivated as food crop
3. Nurseries/Garden/Landscaping
 - Intentional known
 - Cause- "Grown as cover for wild fowl along the sides of lakes in Britain" (Molnar 2008).
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Non native locations

1. 152- Hawaiian Islands

Sources

1. Molnar, Jennifer, et al. 2008. "Assessing the global threat of invasive species to marine biodiversity." *Frontiers in Ecology and the Environment*. 6 (9), pp. 485-492.
2. <http://conserveonline.org/workspaces/global.invasive.assessment>
3. <http://www.issg.org/database/species/ecology.asp?si=866>
4. <http://plants.usda.gov/java/profile?symbol=ZILA3>