

In addition to the National Science Olympiad list of Invasive Species found at

https://www.soinc.org/sites/default/files/uploaded_files/InvasiveSpeciesOfficialList2016.pdf

Michigan will include the following invasive species for the Division B and C Invasive Species event at the state tournament.

1. Balsam woodly adelgid (*Adelges piceae*)
2. Thousand cankers disease (*Geosmithia morbida*)
3. Asiatic sand sedge (*Carex kobomugi* Ohwi)
4. Chinese yam (*Dioscorea oppositifolia* L.)
5. Himalayan balsam (*Impatiens glandulifera*)
6. Parrot feather (*Myriophyllum aquaticum*)
7. Yellow Floating Heart (*Nymphoides peltata*)
8. European frog-bit (*Hydrocharis morsus-ranae*)
9. European Water-clover (*Marsilea quadrifolia*) - Brazilian elodea (*Egeria densa*)
10. Water chestnut (*Trapa natans*)
11. Asian carps (also on the National List)
 - a. Silver carp (*Hypophthalmichthys molitrix*)
 - b. Bighead carp (*Hypophthalmichthys nobilis*)
 - c. Grass carp (*Ctenopharyngodon idella*)
 - d. Black carp (*Mylopharyngodon piceus*)
12. Red swamp crayfish (*Procambarus clarkii*)