New Invaders Watch Program

A Volunteer-Based Program to Identify, Map and Control New Exotic Invasive Species

www.NewInvaders.org
New Invaders Watch Program Goals:

- Identify and report populations of target exotic invasive species*.
- Eliminate or contain those populations before they spread.
- Collect and share location and population information about these potentially invasive exotic species.

*Target species are known to be invasive in other states or regions and they only exist in small populations in our region or they are not known to be here...YET...but are likely to thrive in our region.
Target Species: Plants and Insects

INVASIVE TERRESTRIAL PLANTS
Celastrus orbiculatus - Asian Bittersweet
Centaurea maculosa - Spotted Knapweed
Cynanchum louiseae - Black Swallow-wort
Cynanchum rossicum - Pale Swallow-wort
Dioscorea oppositifolia - Chinese Yam or Air potato
Euphorbia eslua - Leafy Spurge
Glyceria maxima - Giant Manna Grass
Gypsophila sp. – Baby’s breath
Heracleum mantegazzianum – Giant Hogweed
Humulus japonicus – Japanese Hops
Lespedeza cuneata – Silky bush clover
Microstegium vimineum – Japanese Stilt Grass
Miscanthus sinensis - Japanese Silvergrass
M. sacchariflorus - Chinese Silvergrass
Polygonum cuspidatum – Japanese knotweed
Polygonum perfoliatum – Mile-a-minute weed
Pueraria lobata - Kudzu
Pyrus calleryana – Bradford Pear
Quercus acutissima– Sawtooth oak

INVASIVE AQUATIC PLANTS
Hydrilla verticillata – Hydrilla
Egeria densa - Brazilian Elodea
Butomus umbellatus - Flowering Rush

INVASIVE FOREST INSECT PESTS
Anoplophora glabripennis - Asian Longhormed Beetle
Agrilus planipennis - Emerald Ash Borer
A strategy of education, documentation, communication and action

1. Training

2. Identify new populations

3. Online reporting w/ image or mail-in voucher

4. Verification

5. Confirmation and mapping

6. Automatic alert to Rapid Responder

7. Eradication, control, or management plan

www.NewInvaders.org
Who Are Our Partners?

- Plants of Concern
- Citizens for Conservation
- Save the Dunes
- Bull Creek Watershed Group
- The Nature Conservancy, Indiana
- The Nature Conservancy, Illinois
- Shirley Heinz Environmental Fund
- The Land Conservancy of McHenry County
- Liberty Prairie Conservancy
- The Morton Arboretum
- Natural Resource Conservation District
- US Forest Service
- National Park Service
- US Geological Survey
- US Fish and Wildlife Service, IN
- Indiana Department of Natural Resources
- Illinois Department of Natural Resources
- Forest Preserve District of DuPage
- McHenry County Conservation District
- Lake County Forest Preserve District, IL
- Forest Preserve District of Will County
- Forest Preserve District Cook County
- Kendall County Forest Preserve District
- McHenry County Conservation District
- Kane County Forest Preserve District
- McHenry County Division of Transportation
- Lake County Stormwater Management Commission, IL
- Lake County Soil and Water Conservation District, IL
- Lake County Parks, IN
- Palatine Park District
- Highland Park District
- Downers Grove Park District
- Valparaiso Department of Parks
- Tallgrass Restoration, LLC
- Liberty Prairie Restorations
- Bloom Consultants
- Land Resources Management Group

Volunteer Groups

NGO’s & Land Trusts

Arboretum

Federal Agencies

State Agencies

Forest Preserves

Conservation Districts

County Agencies

County Parks

Private Business

Local Training
Identification and Data Collection Tools

- Target Species ID Card Set
- Standard data collection protocol (online)
- Field Form (online)
- Data Dictionary (online)
- Vouchering instructions (online)
New Invaders Watch Website:

- Additional Species Information
- Training Opportunities
- New Sightings
- Online reporting form w/instructions

NIWP web address: http://www.NewInvaders.org
Data entry screen (is identical to the field (paper) form)

<table>
<thead>
<tr>
<th><strong>Species ID Information</strong></th>
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</thead>
<tbody>
<tr>
<td>* Common Name:</td>
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<tr>
<td>Scientific Name:</td>
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<tr>
<td>Genus:</td>
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<tr>
<td>Species:</td>
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<tr>
<td>Date Seen:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Species Location Information</strong></th>
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</thead>
<tbody>
<tr>
<td>Place Name / Town Name (as in 5 mi or km NE Palos Park)</td>
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<tr>
<td>State:</td>
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<td>County:</td>
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<td>Principle Meridian:</td>
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<td>Township:</td>
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<td>Range:</td>
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<td>Section:</td>
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<td>Longitude:</td>
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<td>Datum:</td>
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<td>Other Datum:</td>
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<tr>
<td>How did you determine your location?</td>
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<td>Other technique to determine your location:</td>
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<tr>
<td>Walking directions to location / Best access:</td>
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<tr>
<td>Location landmarks (roadways, buildings, lakes, etc.)</td>
</tr>
</tbody>
</table>

Note – the “Web Entry Number” is the unique number automatically assigned to your data record by the database.

To learn how to get Township, Range and Section go to http://www.dnr.state.wi.us/org/land/forestry/Private/PLSSTut/plsstut1.htm
Verification

• Professional botanists will verify photos and specimens
• Field visit by verifier or local botanist may be required

Giant Hogweed

OR.... Cow Parsnip?

Please send a Specimen or....

an Image with your report!
Please provide a photo or voucher, otherwise your report cannot be verified by herbarium staff.

If you provide image(s), please complete the information below. If you provide specimen, please send your vouchers to:
New Invader Watch List
c/o Dr. R. Edward Dewalt, Illinois Natural History Survey
1816 South Oak Street
Champaign, Illinois 61820

Upload Image(s):

Image Credit1: 

Description1:

File 1: Browse...

Image Credit2:

Description2:

File 2: Browse...
Our Rapid Response Network

A network of land managers and licensed, trained volunteers that can eradicate or contain new populations or that can assist private landowners, Townships, Municipalities, and Highway Departments in control efforts.

Developing an electronic alert system that alert primary responders of new population found on their property.

Currently includes, state, county, national park service, some county parks, and some private landowners.
Early Successes

- County record for Giant Hogweed reported through the program
- Japanese Knotweed populations identified and controlled in Lake Michigan ravines
- County DOT’s control leafy spurge in Lake and McHenry Counties
- Local NIWP partner assists with State-wide Kudzu Eradication Program to implement herbicide treatment
- Lespedeza cuneata identified and controlled in State Natural Area
- Increased awareness, over 400 volunteer citizens and staff trained and over 14 agencies are a part of the Rapid Response network
- Local consultants are requesting training