

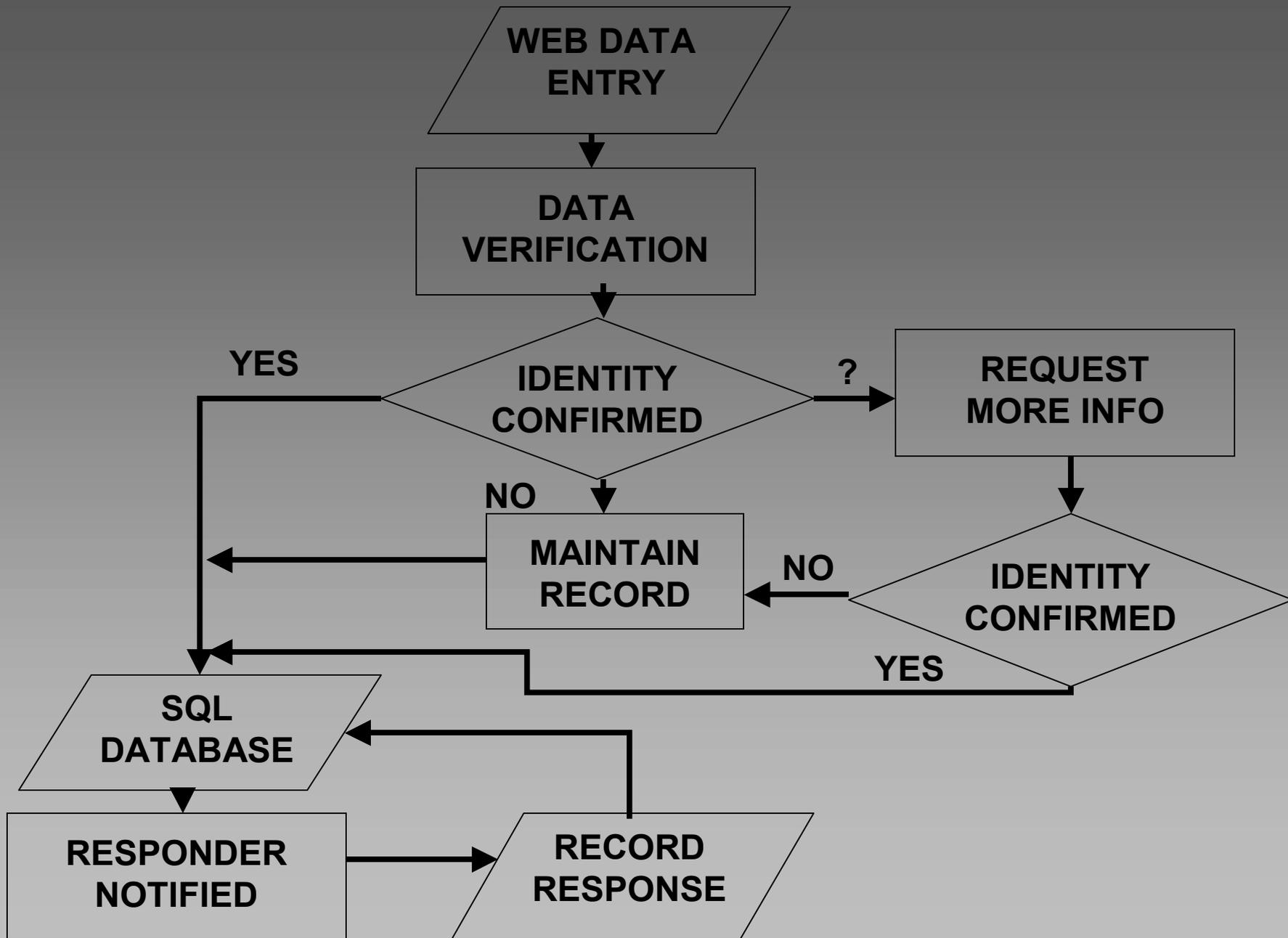
# **NEW INVADERS WATCH LIST DATA AND WEB STRUCTURE**

**<http://www.newinvaders.org>**

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# INTRODUCTION

- **An Early Detection, Rapid Response system**
- **Partners: INHS, Lake Co. For. Pres. Dist., TNC**
- **Funding began March 2003**
- **20 plant and two insect invaders**
- **Chicago Area Because**
  - **Hub of transportation and commerce**
  - **Contains highly prized natural areas**
  - **Large volunteer base--boots on the ground**
  - **Lots of professional support—educators, verifiers, responders**
  - **Funding: Chicago Wilderness, British Petroleum**



# New Invaders Watch List

## Early Detection and Rapid Response Network



### About Us

[Integrating Invasive Plant Species Data in the Midwest: Solutions for Data Collection and Management](#)

[National Invasive Weed Awareness Week](#)

We are a partnership of government, non-profit, and volunteer organizations dedicated to the early detection and control of new exotic invasive plant and insect species in the [Chicago Wilderness \(CW\)](#) region, an area of globally threatened natural communities. This region is a global transportation hub, providing access for plant and animal invasions. Our target species are known to be invasive in the Midwest or regions of similar climate, and are not currently known from CW or are relatively rare here.

#### Our goals are to:

- Increase understanding of invasive species impacts, their modes of invasion, and control measures to limit their spread
- Provide mechanisms to collect and share information on 15 plant and 2 insect target species to improve management strategies

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## New Invaders



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Lake County



Forest Preserves

Chicago  
Wilderness

INHS

### NIWL Target Species

This list was produced in consultation with many representatives of federal, state, and local government agencies and non-profit organizations.

Forbs	Vines
<a href="#">Baby's Breath</a> - <i>Gypsophila</i> spp.	<a href="#">Oriental Bittersweet</a> - <i>Celastrus orbiculatus</i>
<a href="#">Spotted Knapweed</a> - <i>Centaurea maculosa</i>	<a href="#">Chinese Yam, Air Potato</a> - <i>Dioscorea oppositifolia</i>
<a href="#">Leafy Spurge</a> - <i>Euphorbia esula</i>	<a href="#">Japanese Hops</a> - <i>Humulus japonicus</i>
<a href="#">Sericea Lespedeza, Chinese Lespedeza</a> - <i>Lespedeza cuneata</i>	<a href="#">Mile-a-minute Weed</a> - <i>Polygonum perfoliatum</i>
<a href="#">Giant Howeed</a> - <i>Heracleum</i>	<a href="#">Kudzu</a> - <i>Pueraria lobata</i>

## New Invaders



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# New Invaders Watch List

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### NIWL Target Species

#### Oriental Bittersweet

**Family:** *Celastraceae*; **Genus:** *Celastrus*; **Species:** *orbiculatus*; **Synonyms:**

**Growth Form:** Vine

**General:** Perennial, woody, climbing vine, plants are male or female, flower from May to June and fruit in the fall.

**Flowers:** Blooms in May, 5 petals, orange-yellow, tiny-branched clusters at leaf bases with 3-7 blooms.

**Fruits and Seeds:** Fruits are greenish-yellow to dull-yellow/tan when ripe and grow on short stalks in groups of 2-3. Seeds are covered with a bright red, fleshy coating and are revealed after the coating splits open.

**Leaves:** Leaves are grayish, hairy, deeply cut with narrow lobes.

**Stems or Branches:** Woody vine to 4 inches (10 cm) diameter, twining and arbor forming, with many



Leaves and vine twining on tree  
James H. Miller, USDA Forest Service



[Primary Collaborators](#)

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**Fruits and Seeds:** Fruits are greenish-yellow to dull-yellow/tan when ripe and grow on short stalks in groups of 2-3. Seeds are covered with a bright red, fleshy coating and are revealed after the coating splits open.

**Leaves:** Leaves are grayish, hairy, deeply cut with narrow lobes.

**Stems or Branches:** Woody vine to 4 inches (10 cm) diameter, twining and arbor forming, with many alternate drooping branches growing at angles and eventually becoming straight.

**Threatens:** Most upland community types and well-drained floodplain and riparian corridors, open and shaded.

**Look-Alikes:** American Bittersweet (*C. scandens*) which grow >3 fruits at ends of branches, leaves twice as long as wide. Oriental Bittersweet has been reported to hybridize with American Bittersweet.

**Distribution:** Native to Japan, Korea, and N China. Presently distributed throughout NE and SE U.S., extending to the AR and IA.

**Other Links:**

[Nonnative Invasive Plants of Southern Forests - USDA Forest Service](#)

[Plant Invaders of Mid-Atlantic Natural Areas - National Park Service and U.S. Fish and Wildlife Service](#)

[Southeast Exotic Pest Plant Council Invasive Plant Manual - SE-EPPC](#)



Mature fruit  
Leslie J. Mehrhoff, University of Connecticut



Infestation  
Leslie J. Mehrhoff, University of Connecticut



US Map, in map folder  
USDA NRCS, PLANTS DB, Sept., 2003

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Lake County



Forest Preserves



Chicago Wilderness



INHS

### Sign-In

- To report an invader through NIWL, volunteers must be registered with the program.
- If you have already registered and have been notified of your activation, sign-in now.
- If you have not registered, use the ["Please Sign Up Now"](#) link below.

UserName:

Password:

New User: [Please Sign Up Now](#) | [Forgot Password ?](#)

Submit

Reset

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INHS

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## Early Detection and Rapid Response Network



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### Volunteers' Report New Invaders

[Main](#)

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**Observer / Collector Information** (**Note:** Contact information will not be distributed)

if your information has changed, please update your record!

\* [Go back to Main Page to update your record](#)

First Name	Last Name	Address	City	State	Zip	Email
DeWalt	R Edward	607 E. Peabody Dr.	Champaign	IL	61820	edewalt@inhs.uiuc.edu

Choose one only. If you have a sighting of an additional species. You must indicate this with an new record.

Those with asterisk (\*) are required fields

Species ID Information

**Related Links**

**Sponsors and Acknowledgements**

Those with asterisk (\*) are required fields

**Species ID Information**

\* Common Name:

- Choose a Common Name -

Scientific Name:

Genus:

Species:

Date Seen:

**Species Location Information**

Place Name / Town Name (as in 5 mi or km NE Palos Park)

\* State: - Choose a State -

\* County:

Principle Meridian:

Township:

Range:

Section:

QrtSection: - Select -

QrtQrtSection: - Select -

Latitude:

Longitude:

Datum: - Select -

Other Datum:

How did you determine your location? - Select -

Other technique to determine your location:

**Walking directions to location / Best access:**

**Location landmarks (roadways, buildings, lakes, etc.)**

**Land Ownership Information: (Do not enter private property without permission)**

If you can't find public land owner on the list, please provide us, in 'Other Land Owner', the name of the land owner, address, and email. Also provide 'Other Public Land Name' that coincides with this new land owner. Spell out words fully.

**Land Owner Type:**

**Public Land Owner:**

**Other Land Owner:**

**Public Land Name:**

**Other Land Name:**

**Status of Occurrence**

### Status of Occurrence

Area Affected / Gross area of infestation: (ft<sup>2</sup> or m<sup>2</sup>)

Value:

Unit:

Distribution of Plant Population:

Plant Growth Stage:

- In flower
- Seedings
- Vegetative reproduction occurring
- In fruit
- Seeds present
- Dormant/Dead

### Site Information

Community Type(s):

Other Community Type:

Habitat Description (associated species, topography, slope, aspect, soil type/moisture)

Land use(s):

- Agriculture
- Residential
- Tree Farm
- Park/Natural Area
- Roadway
- Other
- Pasture
- Trail

**Disturbance factor(s):**

- Development  Flooding  Mowing
- Erosion  Logging  Other
- Grazing

**Other disturbance factor(s):**

**Additional Comments:**

**Vouchers, Photograph, and Sketches**

**Vouchers Provided:**

**If Yes, how do you plan to voucher specimens?**

- Type of Voucher:**
- Digital Images
  - Insect in alcohol or dry
  - Herbarium Sheet

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):**

### Upload Image(s):

**Image Credit1:**

**Description1:**

**File 1:**

---

**Image Credit2:**

**Description2:**

**File 2:**

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**Image Credit3:**

**Description3:**

## Responder Reports

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Please record the information below:

**Name of Responder :**

Please enter your full name!

**Date Visited :**



Please click on the calendar's icon to select a date or manually enter a date as the format below

(MM/DD/YYYY)

**Was invader found?**

No



**Area Infected:**

single plant



**Response Occurred:**

visited to determine options



**Other Response Occurred:**

**If no control effort was performed, why?**

**What type of control effort was performed?**

pesticide



**Effort used**

(number of persons & hours expended)

If no control effort was performed, why?

What type of control effort was performed?

Effort used - (number of persons & hours expended)

**Number of persons:**

i.e. (2)

**Hours expended:**

i.e. (4)

Comment:

**Will you record more information in the future about this record?**

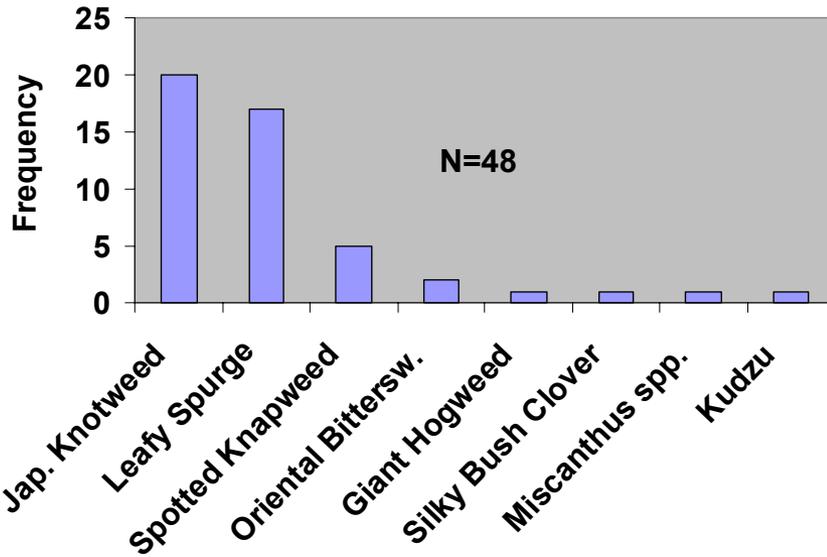
Submit to Save

Reset

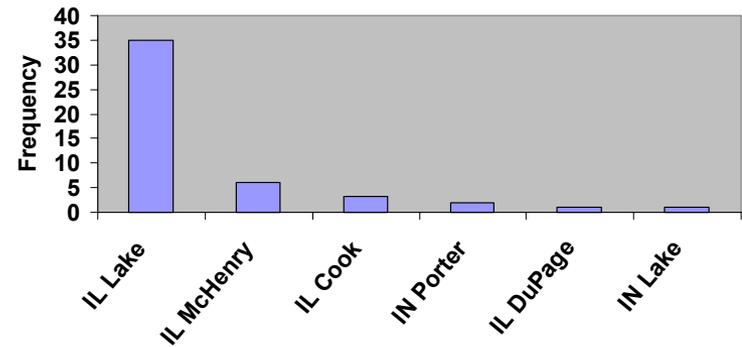
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# RECORDS OBTAINED

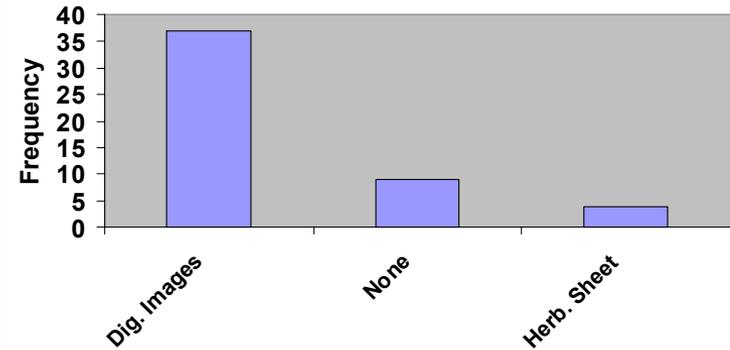
## Species Reported



## State and County Records



## Vouchers Deposited



# SPECIES BEING ADDED

<b>CommonName</b>
<b>Black Swallow-wort</b>
<b>Pale Swallow-wort</b>
<b>Flowering Rush</b>
<b>Hydrilla</b>
<b>Brazilian Elodea</b>
<b>Giant Manna Grass</b>

**Note our step into aquatic and wetland plants**

## **FEATURES TO ADD**

- **Map INHS, vPlants, county records, & records for new invaders**
- **Produce connectivity with other data bases**
- **Build search page for records**
- **Construct automated qrtly. & ann. rpts.**
- **Expand stakeholders to IL DNR & others**

**<http://www.newinvaders.org>**