

# Terrestrial weeds, training, detection, reporting

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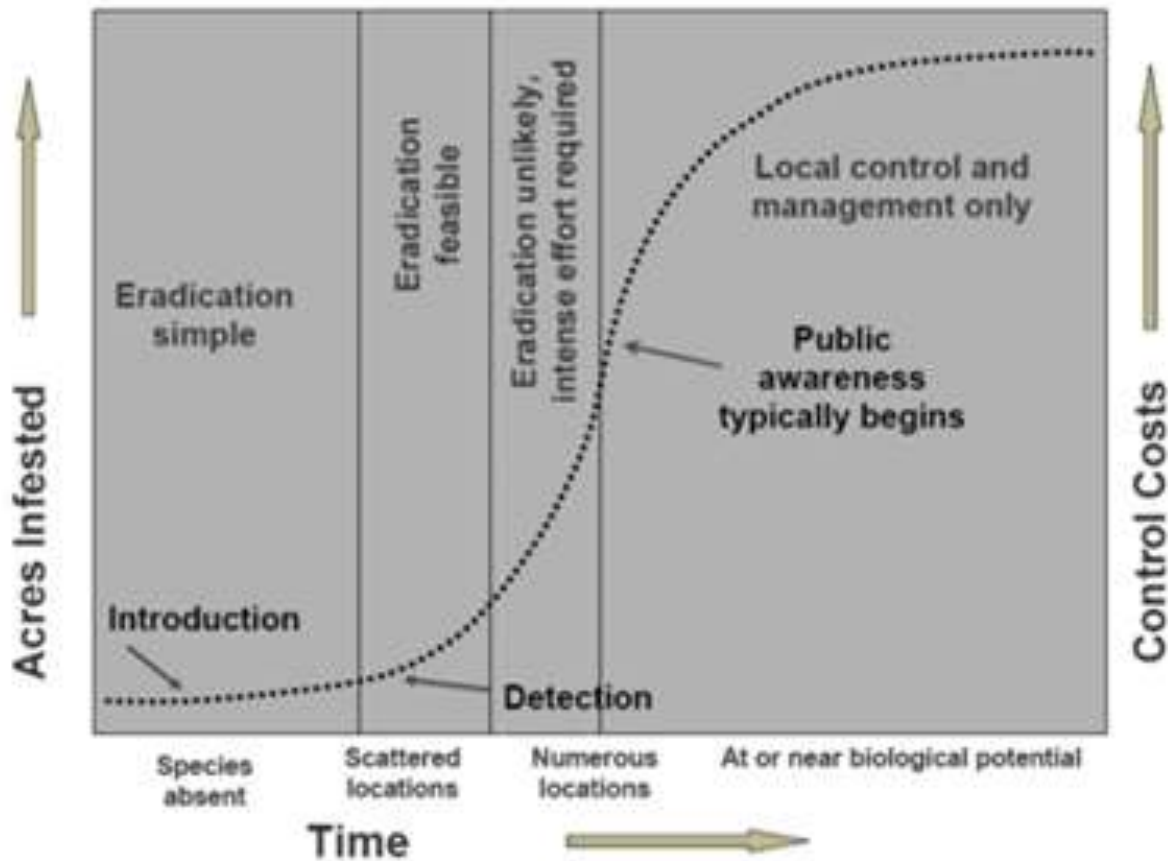
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THE UNIVERSITY OF GEORGIA  
CENTER FOR INVASIVE SPECIES  
AND  
ECOSYSTEM HEALTH  
WARREN SCHOOL OF FORESTRY AND NATURAL RESOURCES  
COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

# What's an invasive species?

Invasive species are non-indigenous species that spread and causes harm to resources we care about.



*Adapted from Hobbs and Humphries 1995*

# Online training opportunities

## CONTROLLING INVASIVE PLANTS IN ALASKA

Self-Paced Certification Course

[Home](#) [About](#) [Units](#) [Links](#) [Login](#) 



UNIT 1 —  
INTRODUCTION TO  
INVASIVE PLANTS



UNIT 2 — BEST  
MANAGEMENT  
PRACTICES



UNIT 3 — PLANNING  
TO AVOID & REPORT  
NEW INFESTATIONS



UNIT 4 — INTEGRATED  
VEGETATION  
MANAGEMENT

<https://weedcontrol.open.uaf.edu/>  
[www.alaskainvasives.org](http://www.alaskainvasives.org)

# Online training opportunities



*Giant hogweed grows 10-15 feet tall. Photo courtesy Alaska Division of Agriculture*

<https://weedcontrol.open.uaf.edu/lessons/unit4/>  
[www.alaskainvasives.org](http://www.alaskainvasives.org)



# Online training opportunities

## FOREST PESTS



Module 1 - introduction



Module 2 - Wood-boring insects



Module 4 - Defoliating Moths

<https://forestpests.open.uaf.edu/>  
[www.alaskainvasives.org](http://www.alaskainvasives.org)

# In person training

- CES offers
  - Work shops
    - Identification
    - Inventory/reporting
    - Management
    - Providing outreach
    - Data management
    - Developing projects/planning
  - One on one support
    - For any item in workshops



# Alaska Weeds ID Mobile Application


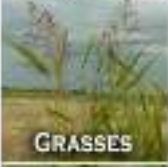




- Created by the UAF Cooperative Extension Service, partnering with University of Georgia, with funding from Western Alaska LCC
- Available on IOS and Android
- Works when without coverage



# The Key




Verizon LTE 10:35 AM 87%

Alaska Weeds ID Categories

-  Aquatic >
-  Grass >
-  Herbs/Forbs >
-  Shrub >
-  Tree >
-  Vine >





Verizon LTE 10:36 AM 86%

Leaf Type Leaf Position

-  Opposite (1) >
-  Alternate (10) >
-  Whorled (0) >

Verizon LTE 10:36 AM 86%

Leaf Position Leaf Margin

-  Entire/Smooth (5) >
-  Serrated/Toothed (4) >
-  Spiny (1) >
-  Hairy (1) >





Flower

Photo By: Loke T. Kok, Bugwood.org



[Report](#)

*Cirsium vulgare*  
bull thistle

**Family**

Asteraceae

**Known in Alaska?**

Yes (uncommon, but locally abundant where present)

**Native Species Look-alikes**

3 native *Cirsium* species are found in meadows and woods in Southeast Alaska, Yukon Territory, and the Aleutian Islands. These native plants have stems that are not winged

[Report](#)

**Ecological Impact**

Competes with native plants for soil moisture and nutrients; decreases forage quality for grazing animals through displacement of native plant species;

**Distribution and Abundance**

Most commonly found in disturbed areas such as pastures, rangelands, roadsides, and ditches but can also move into undisturbed grasslands, meadows, and forest openings; Currently known in Alaska from Southeast, Southcentral, and Kodiak; Native to Europe, Western Asia, and Northern Africa;

**Management**

Hand pulling and mowing has been shown to be effective if maintained for at least 4 years:

# Reporting weeds


Verizon LTE 10:26 AM 89%


Alaska Weeds ID

2015-10-26 10:26 AM

Study Type\*\*

Site Area\*\* (Acres)

 Tap Here to Add Photo






Latitude 58.29942  
Longitude -134.416  
Accuracy 50.0 m 

Any Extra Information Goes Here

Add Species Save

Verizon LTE 10:27 AM 89%

Cancel

-  Aquatic >
-  Grass >
-  Herbs/Forbs >
-  Shrub >
-  Tree >

Categories All Species Favorites Recent

# Thanks!

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