

Forestry Study Resource Cove Sheet
5th - 6th Grade & Middle School

Testing Resources:

1. Identification Pages for Native Plant Species List
2. Identification Pages for Invasive Plant Species List
3. Identification Pages for Invasive Pests & Diseases Species List
4. Leaf Characteristics
5. Tree Identification Basics
6. Summer Key for Pennsylvania Trees
7. ENA & ELPA
8. Why are Native Plants Important?
9. What is an Invasive Plant?
10. Forest Insect Pests & Diseases

Native Plant Species List

American chestnut*
 American elm*
 red oak
 Eastern hemlock
 paper birch
 white ash*
 tulip tree

Invasive Plant Species List

tree-of-heaven*
 Norway maple*
 callery pear*
 multiflora rose
 bush honeysuckle
 Oriental bittersweet*
 mile-a-minute
 paper mulberry*

Invasive Pests & Diseases Species List

emerald ash borer
 Asian longhorned beetle
 spongy moth
 birch leafminer
 hemlock woolly adelgid
 chestnut blight
 Dutch elm disease
 spotted lanternfly

* Students should be able to identify the fruits for these 8 plant species as well as the leaf.

Focus:

- Identify the native plants on the species list.
- Identify & learn about the invasive plants on the species list.
- Identify the 8 fruits of the plants noted above on the native & invasive plant species lists.
- Identify and learn about the invasive pests and diseases on the list.
- Learn about forest pests & diseases and how to manage them.
- Learn vocabulary in Leaf Characteristics and Tree Identification Basics.
- Be able to key any Pennsylvania tree using the Summer Tree Key.
- Understand insect life cycles.
- Learn the importance of native plant species.
- Understand what makes a plant invasive.

Sample Questions:

Write the COMPLETE tree species name on your answer sheet.

Eastern hemlock

What insect pest larva can be identified by five pairs of blue spots and six pairs of red spots on its back?

- A. Asian longhorned beetle
- B. spongy moth**
- C. birch leafminer
- D. emerald ash borer