



What are invasive plants?

Defining	1311	Federal definition (defined by Executive order 13112 and National Invasive Species Management Plan)					
invasive	1.	Non-native to the ecosystem under consideration					
species	2.	Whose introduction does or is likely to cause economic or environmental harm or harm to human health					
Invasive Species Defined in a Policy Context: Recommendations from the Federal Invasive Species Advisory Committee							
K. George Beck ^(a) , Kenneth Ziemerman ^(a2) , Jeffrey D. Schaelt ^(a) , Jeffrey Stane ^(a) — (b) DOI: https://doi.org/10.1614/PSM-06-081-1 Published online by Cambridge University Press: 20 January 2017							
Extract Promitic Executive Order (60) 13112—defines an invester species as "an alien species whose introduction does or is likely to cause economic or environmental harm or harm to human hash." In the Executive Summary of the species that is non-native to the ecosystem under consideration and whose introduction causes or is likely to cause economic or environmental harm or harm to human harbh. "In product particulation of the species that is non-native to the ecosystem under consideration and whose introduction causes or is likely to cause economic conversion harm to human harbh." To produe quadratice for the definition of the converse (EAC) capacity and provide set of procession causes or consideration of the converse (EAC) capacity as of procession under all peoples of the NUBM, their provide additional context for defining the term insinier species and states "many alien species are non-invasive and support human livelihoods or a preferred quality of life."							





Non-native Does Not Mean BAD



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Why are invasive plants a problem?

- Can take over your garden and yard
- Move into natural areas



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Ecological and economic impacts.

- Direct and indirect
- Decrease biodiversity
- Change ecosystems
- May take advantage of changing conditions & climate



Characteristics of invasive species?

- High reproduction
- Fast dispersal
- Fast growing
- Tolerate a range of habitats/ foods
- Few natural predators
- Change environment to their benefit

Autumn olive





Common KY Invasive Plants

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Callery or Bradford Pear

- Introduced from Asia in early 1900s as a rootstock for pears
- Popular ornamental, but major issues!
- Colonizes along roads, in old fields





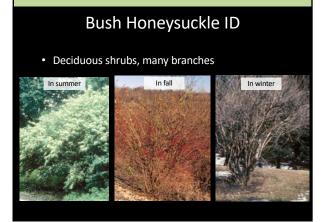




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Winged Burning Bush

- Deciduous shrub, bright red in fall
- Introduced from Asia in late 1800s, ornamental
- Crowds out other species, tons of seeds







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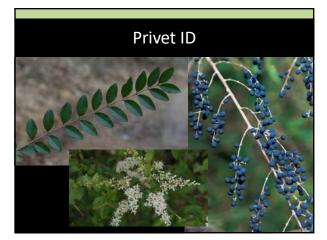


- Two different species (European and Chinese) invasive
- Huge problem further south
- Popular landscape plant, hedge



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Wintercreeper

- Evergreen shrub/ vine/ carpet
- Introduced from Asia in early 1900s, ornamental and erosion control
- Covers forest floor, crowding out other species and preventing seed regeneration

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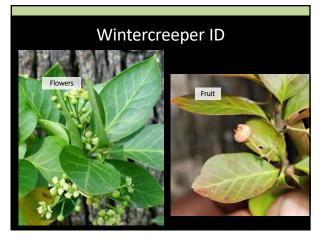




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Japanese honeysuckle

- Fragrant flowers (start white, fade to yellow)
- Black fruit
- Grows over other plants and structures







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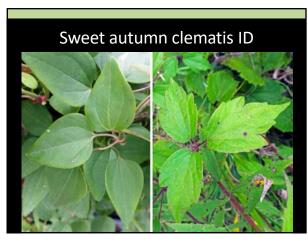
Sweet autumn clematis

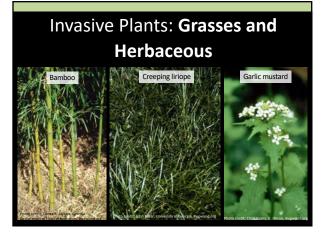
- Popular ornamental
- Grows over other
- plants and structuresOpposite, compound
- leaves with smooth margins
- Showy fragrant white flowers

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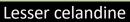




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- Fleshy and glossy dark green heart shaped leaves
 Emerge very early, before native species
- then go dormantPlant toxic
- poisonous (humans and livestock)





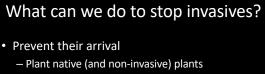




Many more! Plus, plants that are already here and are likely to increase in future... weet mock orange European buckthorn Porcelain-berry

Dealing with invasive plants in your yard & garden

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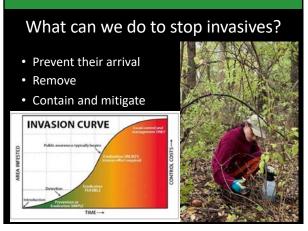
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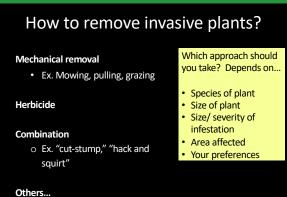






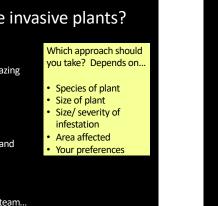
Which plants are a problem? Get familiar with most common invasives in your area Just because they are not "invasive" in your garden, doesn't mean they can still be invasive in natural areas

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o Solarization, burning, steam...

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Other things to keep in mind...

plant societies

Don't remove when fruiting, will spread seeds

Keep in plant plant life cycle/ growth form

Minimize damage to your other plants

- Herbicides toxic to plants you want to keep • Mechanical removal equipment can compact
- soil Removal can cause disturbances that invasives
- can exploit











