

Go to this link to participate in the poll: https://www.menti.com/w38wb3ycwv







Eastern Wild Turkey Diet

Diet = 90% plant matter; 10% animal matter

Hens consume > 2 lbs/ week

Adult gobblers consume 3.5-7 lbs/ week

Adult gobblers consume 3.5-7 lbs/ week

4 Main Food categories

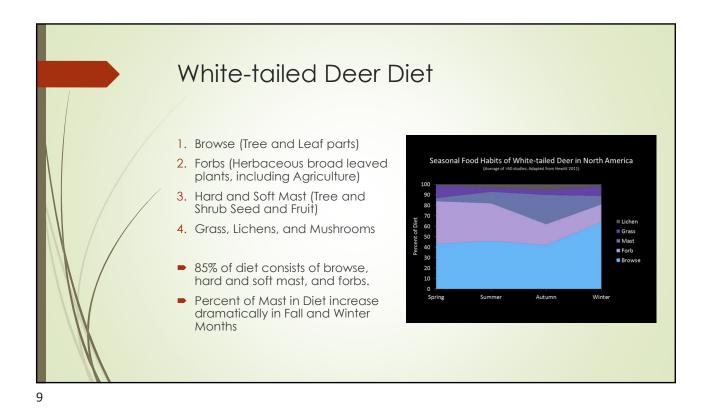
1. Hard and Soft Mast (Fruits and nuts)

2. Vegetation

3. Seeds

4. Insects

Photo Credit: Tes Randle Jolly

















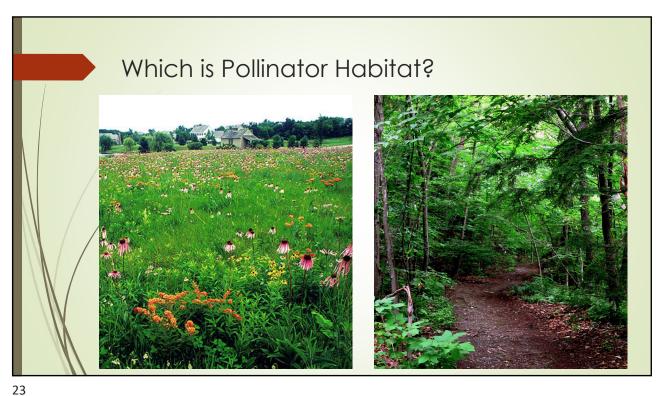


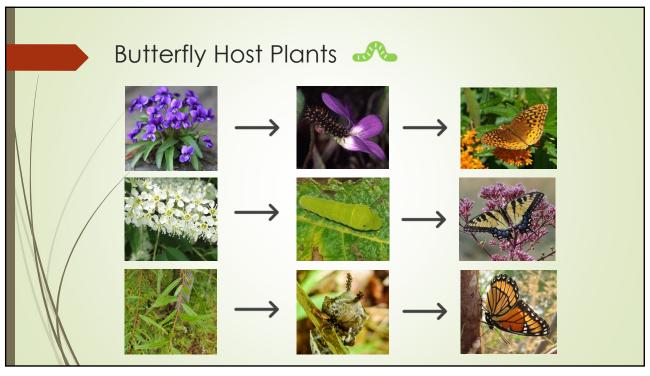




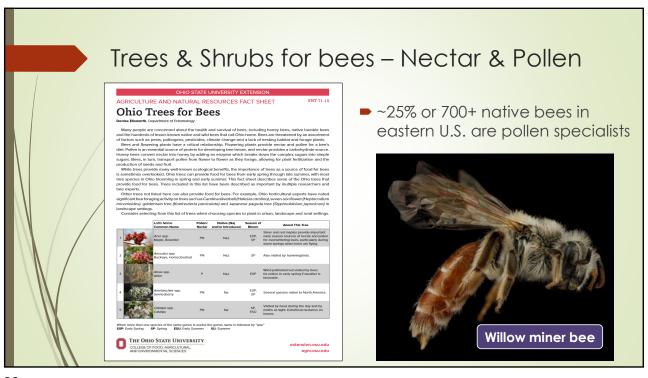


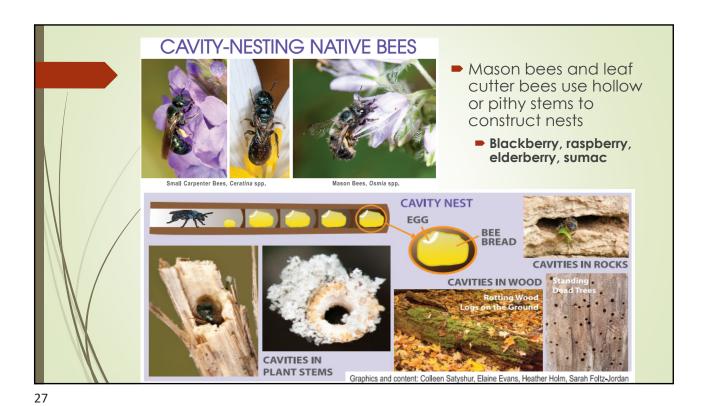






	Woody Plants for Lepidopterans					
	Common Name	Family	Plant Genus	Species Supported		
	Oak	Fagaceae	Quercus	557		
	Willow	Salicaceae	Salix	456		
	Cherry, plum	Rosaceae	Prunus	455		
	Birch	Betulaceae	Betula	411		
	Poplar, cottonwood	Salicaceae	Populus	367		
	Crabapple	Rosaceae	Malus	308		
	Tallamy, Douglas. Bringing Nature Home: How You Can Sustain Wildlife with Native Plants. Timber Press, London. 2007.					



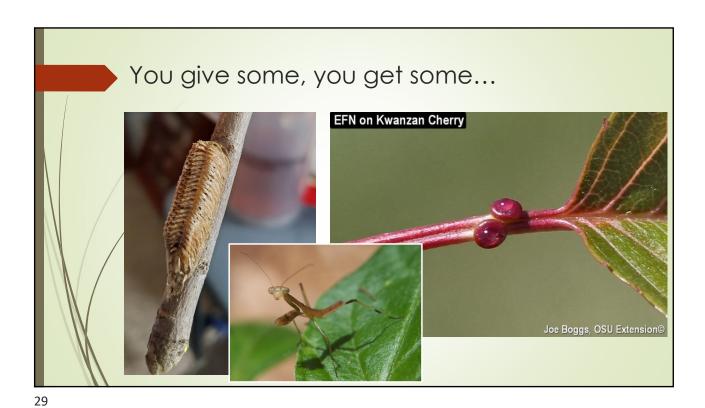


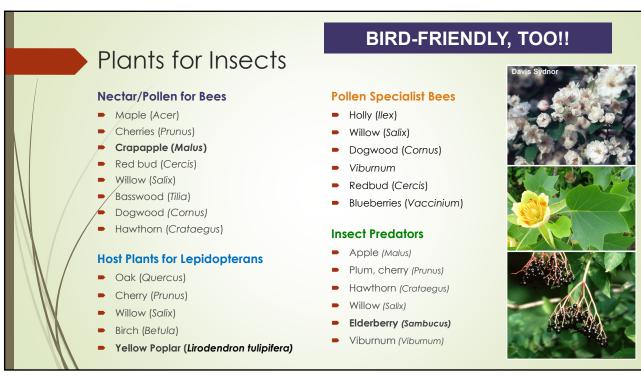
Native Plant & Diversity BONUS

Soldier beetle

Seven-spotted lady beetle

Landscapes with high native plant diversity are more stable (i.e. less pest outbreaks).





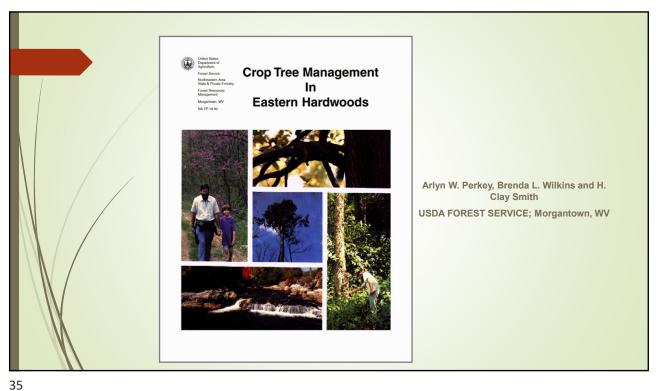




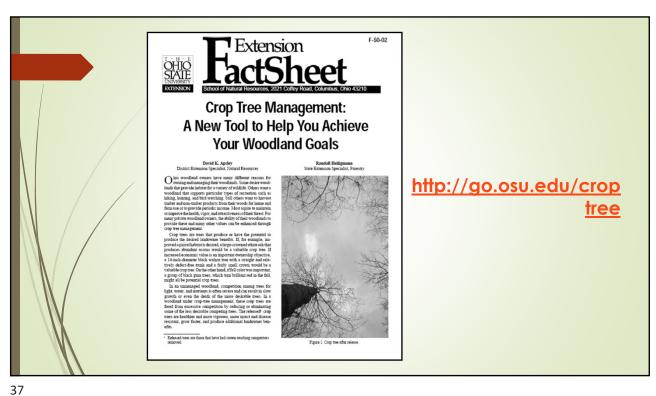


Fact Sheet Focuses on
Three Ways to Enhance Mast

Crop Tree Release
Planting
Mowing or Cutting



Crop Tree Field Guide NA-TP-10-01 Selecting and Managing Crop Trees in the Central Appalachians



Crop Tree
Tree which has the potential to produce desired landowner benefits
A wildlife crop tree is a tree that is capable of producing mast or cover for desired wildlife species

## Things to look for in mast producing trees

- Prefer trees in the main canopy Healthy large crown
   Few dead branches in upper crown
- Hard-mast producers preferred over Soft-mast
- Species Variety
- Favor trees that have produced in past years
- Expected longevity of 20+ years
- Cavities and large, broken branches acceptable, provide shelter

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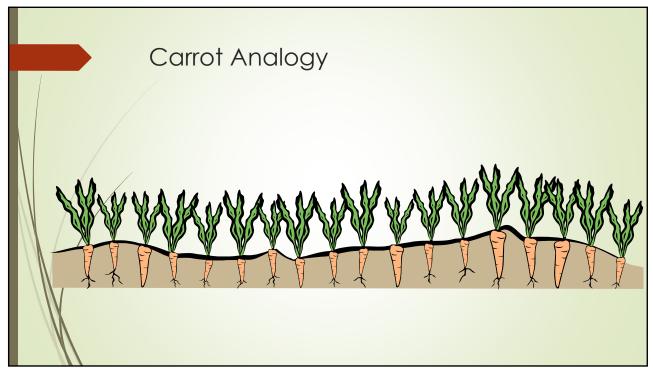
### Diversity is Key

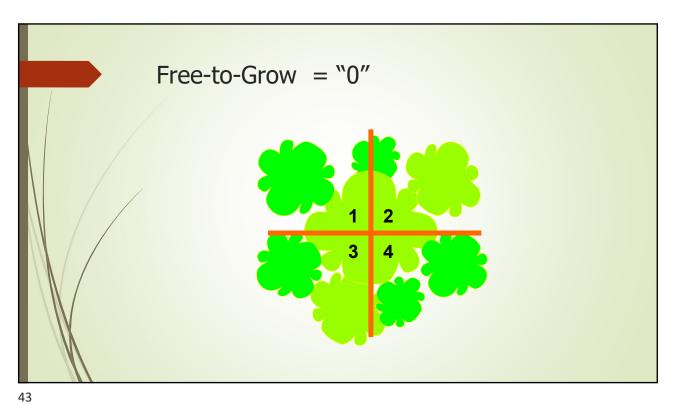
- Mast is consumed in all seasons
- Mast crops are cyclic
- Nutritional content varies by mast species
- Wildlife species favor different food sources
- Disease and insect impacts lessened by diversity

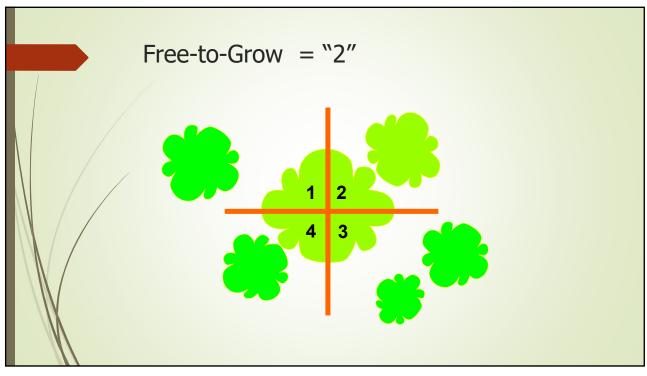
## Crop Tree Management

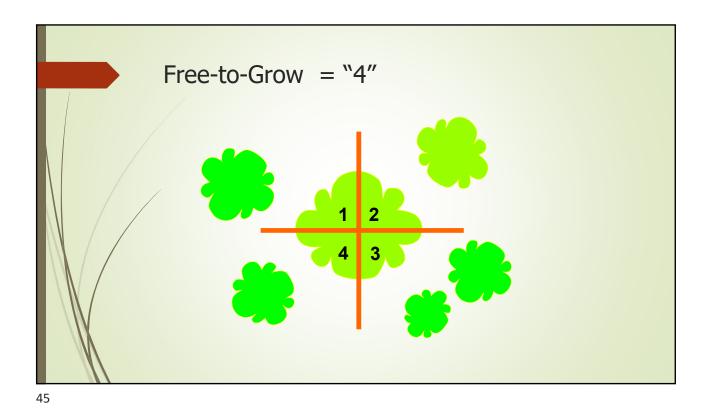
- System that provides a means for accomplishing single or multiple stewardship goals
- Focuses on release of individual trees to produce benefits consistent with specific objectives
- Based on crown touching release

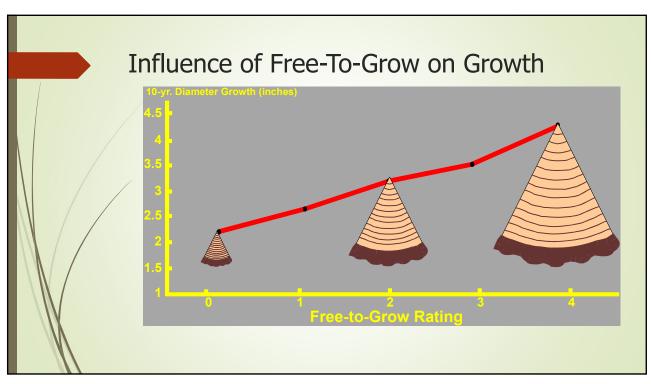
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#### Vigor and Light Effect Flowering and Seed Production

Vigorous, dominant trees often produce more seed

- Trees have sufficient energy reserves to reproduce
- Light is sufficient to stimulate flowers and fruit
- Vigorous trees have larger crowns with more surface to produce fruit

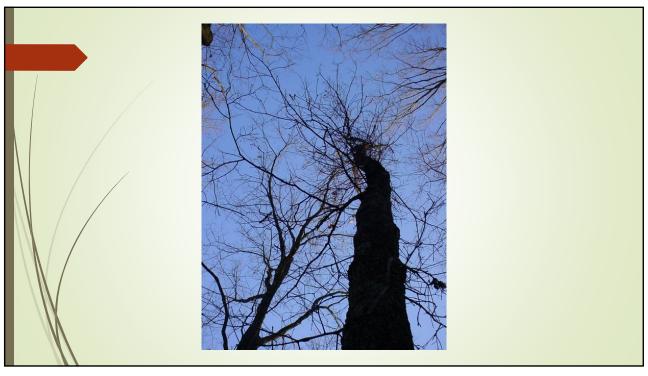
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#### Vigor and Light Effect Flowering and Seed Production

When competition is severe, trees may not produce any flowers or seed

- Barely enough food reserves to survive
- Not enough light to stimulate flower production
- Small crowns little surface area for flower and fruit production

Sha	ading and Flow	er Production	
	Light Intensity of Outer Crown	Number of Flower Buds	
	100	150	
	37	96	
	25	69	
	11	33	
	From Apple Research Koslowski, 1979	Kramer and	





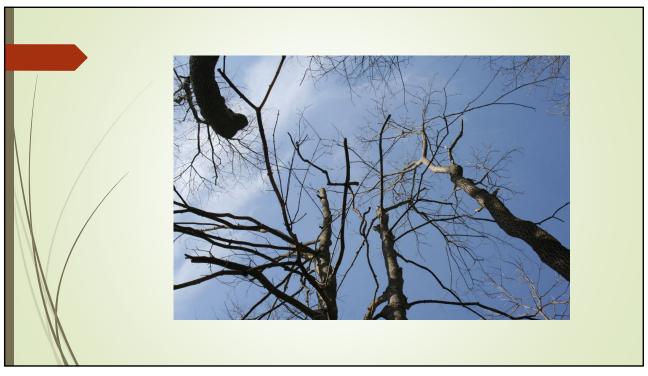




How Do I Release a Crop Tree?

• Directional felling with a chainsaw
• Girdling
• Girdling and herbicides
Use caution: Herbicides can move
through root systems





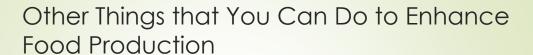
## Crop Tree Management -Keys to Points

- Start on your most productive sites
- Releasing crop trees will increase undergrowth
  Browse
  Shrub fruit production
  Invasive species
- Species Diversity is very important
- Standing dead and downed trees also have wildlife value
- Be realistic about what you can accomplish
- Each tree that you release can make a difference!!!!

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Other Things that You Can Do to Enhance Food Production

- Inventory your woodlands to determine number, diversity and productivity of mast producers
- Strive to maintain as many hard-mast producers as practical



Maintain 2-3 Fruit-producing wild grape vines per acre

- Keep vines on edges on trees that are less desirable
- Grape vines also provide great nesting sites for squirrels and nesting materials for many species of wildlife

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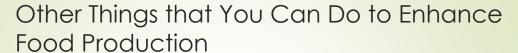
# Other Things that You Can Do to Enhance Food Production

- Plant a variety of native mast-producing shrubs and trees in areas where natural regeneration is not likely to occur where diversity is lacking
- Consult with a professional forester on wildlife biologist
- Select tree or shrub species adapted to soil and light conditions on your site
- Select the tree or shrub species fulfill the biggest needs
- Tend to your newly planted trees and shrubs, weed competition is the biggest reason for mortality

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## Other Things that You Can Do to Enhance Food Production

- Mow or cut Approximately 1/4 to 1/5 of shrubby vegetation along woodland edges annually
- This helps to maintain a health population of species like blackberry, raspberry, sumac, and other species that provide valuable soft mast and cover for wildlife



Control non-native Invasive Plants.

Non-native species:

- Decrease diversity of native plants
- Often provide mast that is often consumed by wildlife, but it is usually not nearly as nutritious as native species

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### Finally!

Consult with a professional for specific recommendations for your woodlot:

- State Division of Forestry Service Forester
- Consulting Forester
- State Division of Wildlife Private Lands Biologist
- Cooperative Extension Natural Resources Educators and Specialists

