


GARDENING FOR HONEYBEES




Dr. Holly Scoggins
Associate Professor,
Department of Horticulture

All photos by H. Scoggins unless otherwise noted


BEES NEED:

Nectar = carbohydrates for immediate consumption; dehydration and storage for winter sustenance

Pollen = proteins and fats; combined with nectar and secretions from nurse bees [bee bread!]; fed to larvae and queen



IGNORE THE BEES? HOPE YOU LIKE LETTUCE AND ORANGES!!

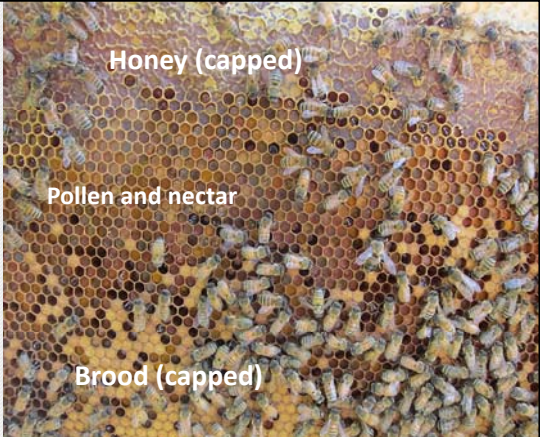


Your produce choices with bees

Your produce choices without bees

Photo Courtesy: Pflanz/istockphoto/Whole Foods Market

Photo: Whole Foods Market





Honey (capped)

Pollen and nectar


Brood (capped)

BEE-FRIENDLY GARDEN STRATEGIES

- ✓ Diverse flower types and species Wide range of bloom time
 - "shoulder seasons" especially important – early spring and late fall
 - weather has to cooperate
- ✓ Minimal use of pesticides
- ✓ Diverse habitat (not all lawn + mulch)
- ✓ "We are all beekeepers!"

HONEYBEES ARE NOT NATIVE AND HOSTAS ARE NOT INVASIVE




1622
First colonies of *Apis mellifera* imported to E. North America

4000
Species of bees native to North America, not to mention other pollinators



GARDENING FOR BEES: PERFECT DOES NOT EQUAL BETTER

- Clover in your lawn
- Tolerate some early weeds, maybe?




- *Lepidium sativum* (Garden Cress)

Virginia Tech Weed ID Guide





Lamium amplexicaulis
Henbit





Lamium purpureum
Purple [Red] Deadnettle


SANGUINARIA CANADENSIS



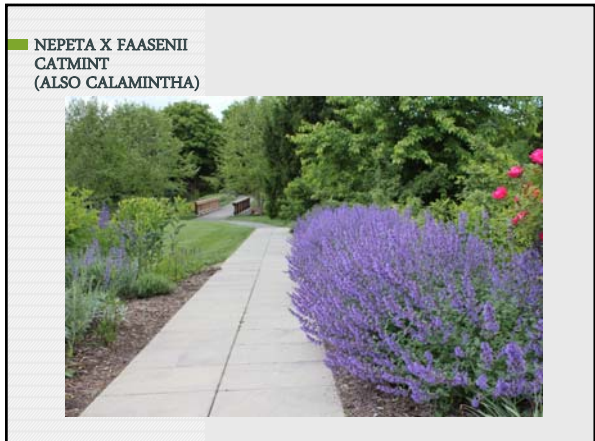
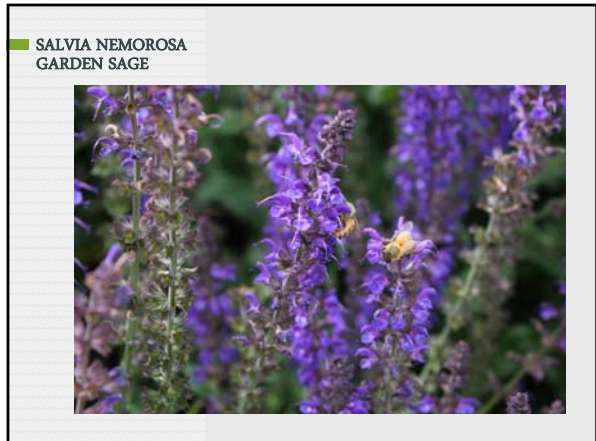
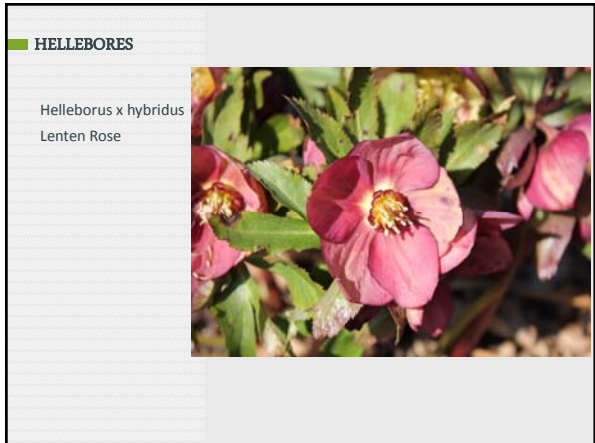
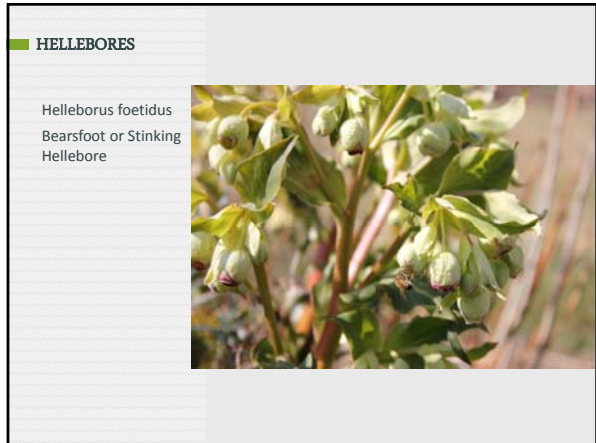
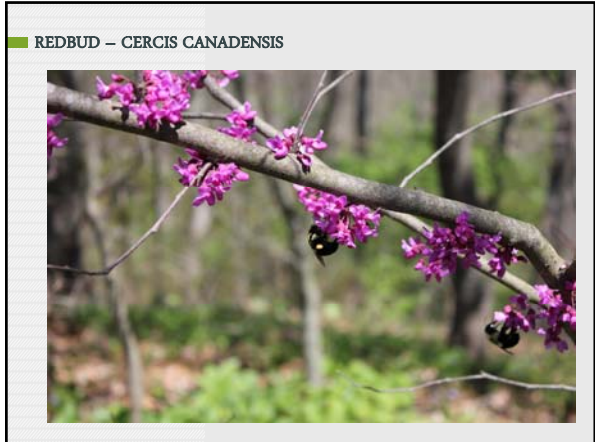
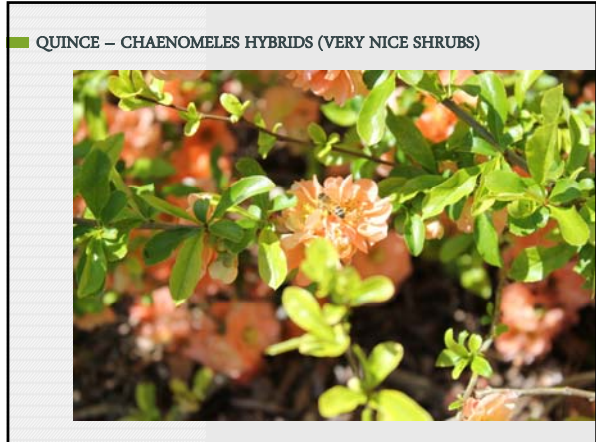
PRUNUS SPECIES
CHERRIES, PLUM, PEACHES, ALMOND

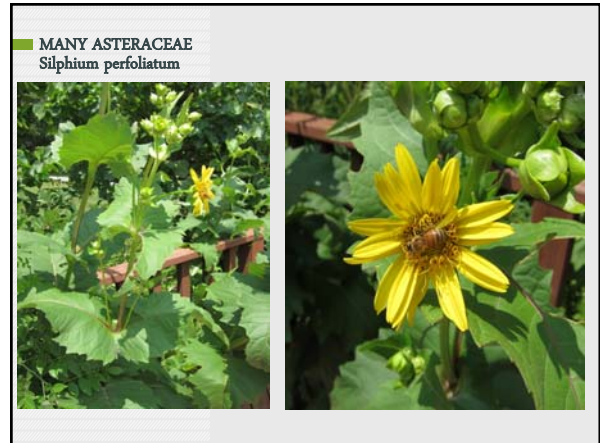
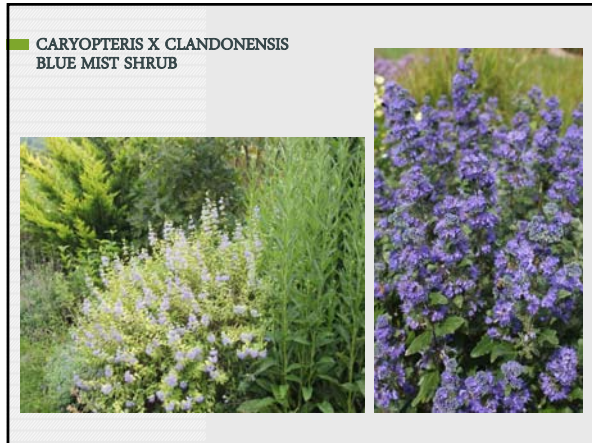
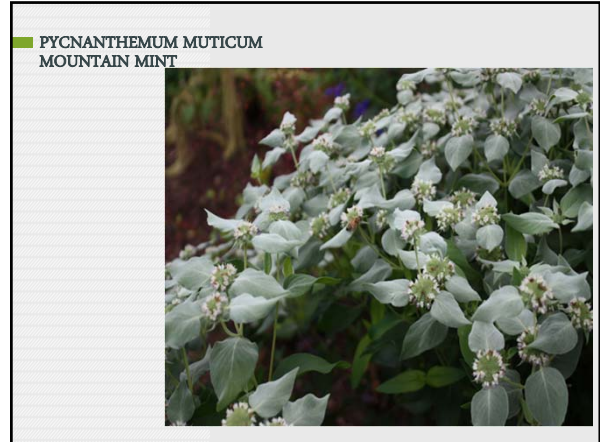



Yoshino




Kwanzan






GOLDENROD
Solidago rugosa 'Fireworks'



FEAST!
Eupatorium purpureum
Heliopsis helianthoides
Rubeckia triloba



ASTERS!!!
Symphyotrichum oblongifolium
Aromatic Aster



ASTERS!!!
Symphyotrichum novae-angliae
New England Aster



ASTERS!!
ASTER TARTARICUS
Tartarian Aster



BEE SOURCES, ER, RESOURCES

