

Michigan Bee Plants  
Plants that provide nectar or pollen  
(or both) to honey bees  
  
Zachary Huang  
Dept Entomology  
Michigan State University

---

---

---

---

---

---

---

---

1

Basics of animal nutrition:

1. Energy source (carbohydrates): nectar
2. Protein source: (essential amino acids): pollen
3. Minerals: Na, Ca, Mg, etc: nectar and pollen
4. Vitamins/sterols: pollen

---

---

---

---

---

---

---

---

2



---

---

---

---

---

---

---

---

3



4

---

---

---

---

---

---

---

---



5

---

---

---

---

---

---

---

---



6

---

---

---

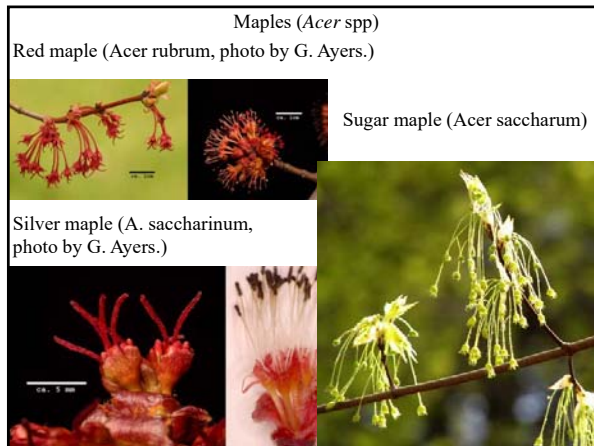
---

---

---

---

---



7

---

---

---

---

---

---

---

---



8

---

---

---

---

---

---

---

---



9

---

---

---

---

---

---

---

---



10

---

---

---

---

---

---

---

---



11

---

---

---

---

---

---

---

---



12

---

---

---

---

---

---

---

---

Pears (*Pyrus* spp)



13

13

---

---

---

---

---

---

---

---

Peach



14

14

---

---

---

---

---

---

---

---



Blueberry (mid May)

15

---

---

---

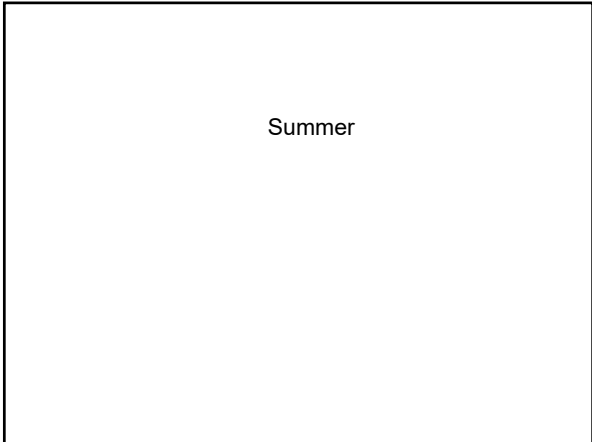
---

---

---

---

---



16

---

---

---

---

---

---

---

---



17

---

---

---

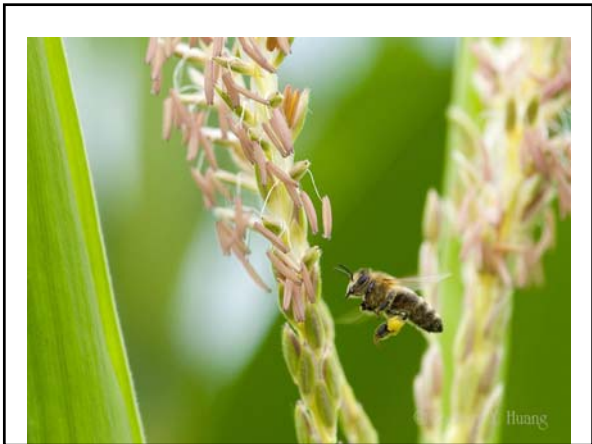
---

---

---

---

---



18

---

---

---

---

---

---

---

---

Kentucky yellowwoods (*Cladrastis kentukea*) May 25



19

---

---

---

---

---

---

---

---

Black locust (*Robinia pseudoacacia*, Fabaceae)



20

---

---

---

---

---

---

---

---

Kentucky coffee tree (*Gymnocladus dioica*), May 25



21

---

---

---

---

---

---

---

---



22

---

---

---

---

---

---

---

---



23

---

---

---

---

---

---

---

---



24

---

---

---

---

---

---

---

---



Sweet clovers (white: *Melilotus alba*)



25

---

---

---

---

---

---

---

---

Sweet clovers (yellow: *M. officinali*)



26

---

---

---

---

---

---

---

---

A bee on bird's foot trefoil, 6/18/05



27

---

---

---

---

---

---

---

---

Alsike Clover (*Trifolium hybridum*)



28

---

---

---

---

---

---

---

---

Crimson clover (*Trifolium incarnatum*)

[www.beetography.com](http://www.beetography.com)



29

---

---

---

---

---

---

---

---

Red clover (*Trifolium pratense*)

[www.beetography.com](http://www.beetography.com)



30

---

---

---

---

---

---

---

---

Alfalfa (*Medicago sativa*)



31

---

---

---

---

---

---

---

---

Simpson's honey plant (*Scrophularia vernalis*)



32

---

---

---

---

---

---

---

---

Buckwheat (*Fagopyrum esculentum*)



33

---

---

---

---

---

---

---

---



34

---

---

---

---

---

---

---

---



35

---

---

---

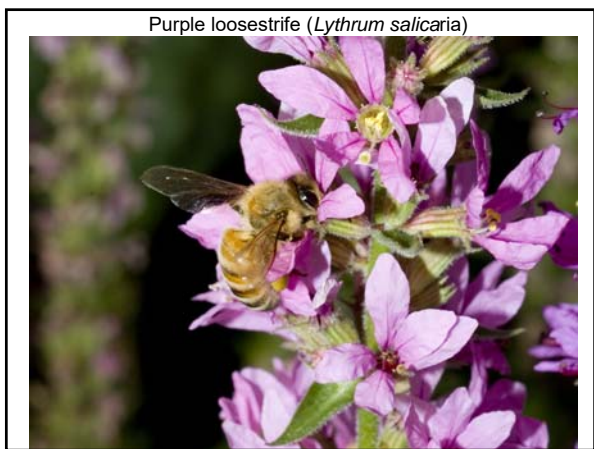
---

---

---

---

---



36

---

---

---

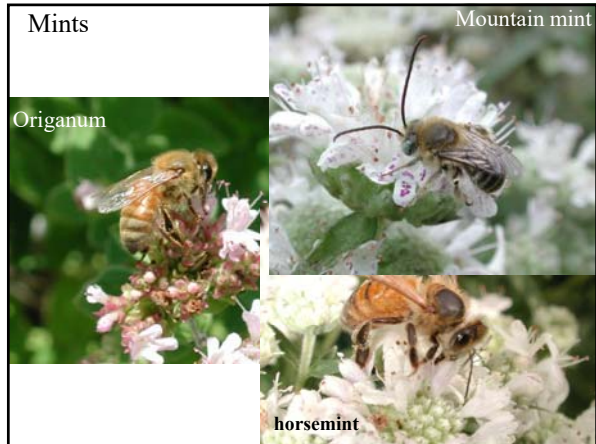
---

---

---

---

---



37

---

---

---

---

---

---

---

---



38

---

---

---

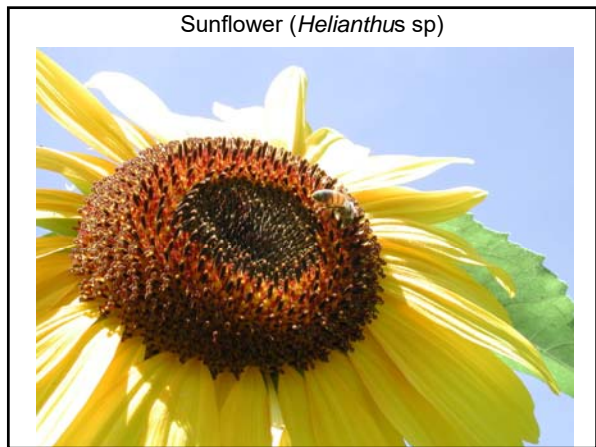
---

---

---

---

---



39

---

---

---

---

---

---

---

---

Melons (cukes, pumpkin, squash etc)



40

---

---

---

---

---

---

---

---

Canadian thistle (*Cirsium arvense*)



41

---

---

---

---

---

---

---

---



42

---

---

---

---

---

---

---

---

Catalpa speciosa



43

---

---

---

---

---

---

---

---

Fall

44

---

---

---

---

---

---

---

---

Star thistle, Knapweed (*Centaurea* sp)



45

---

---

---

---

---

---

---

---



46

---

---

---

---

---

---

---

---



47

---

---

---

---

---

---

---

---



48

---

---

---

---

---

---

---

---





49

---

---

---

---

---

---

---

---



50

---

---

---

---

---

---

---

---



51

---

---

---

---

---

---

---

---



52

---

---

---

---

---

---

---

---



53

---

---

---

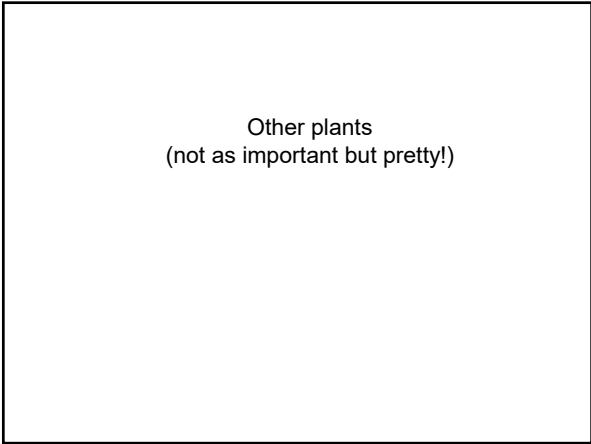
---

---

---

---

---



54

---

---

---

---

---

---

---

---



55

---

---

---

---

---

---

---

---



56

---

---

---

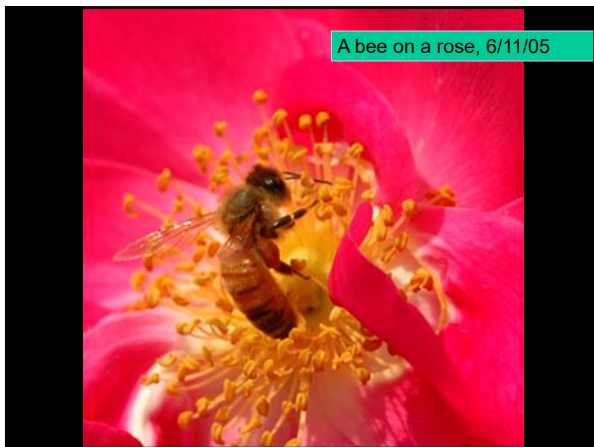
---

---

---

---

---



57

---

---

---

---

---

---

---

---



58

---

---

---

---

---

---

---

---



59

---

---

---

---

---

---

---

---

Most of pictures are from:  
<http://cyberbee.net/gallery>  
<http://ww2.beetography.com>  
<http://bees.msu.edu/honey-plants/>  
<http://bees.msu.edu/flowers/>

60

---

---

---

---

---

---

---

---