## Insecta Services and Disservices

Kaylyn Flanigan

## Common Services?

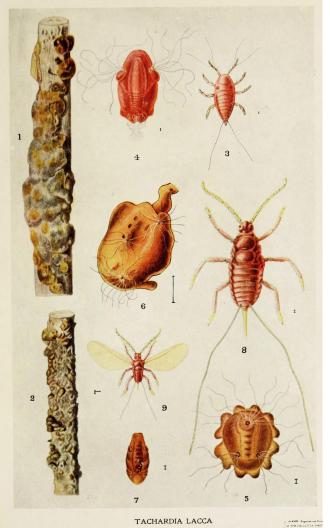
Produce useful substances











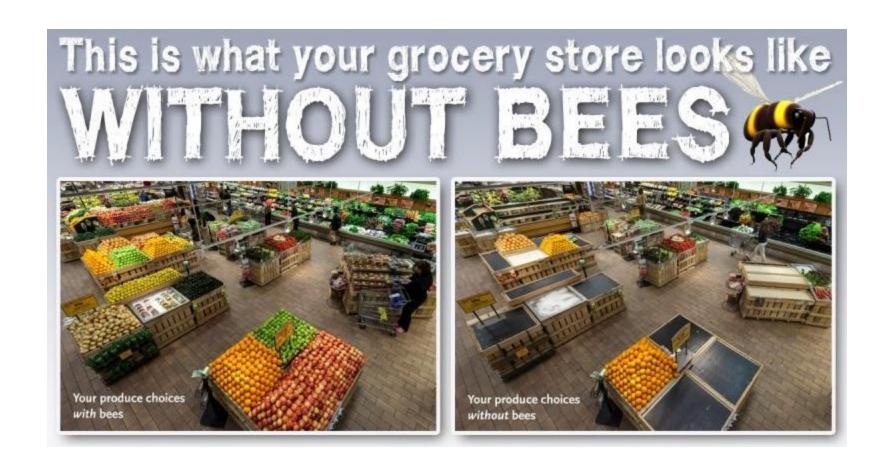


Harold Maxwell-Lefroy

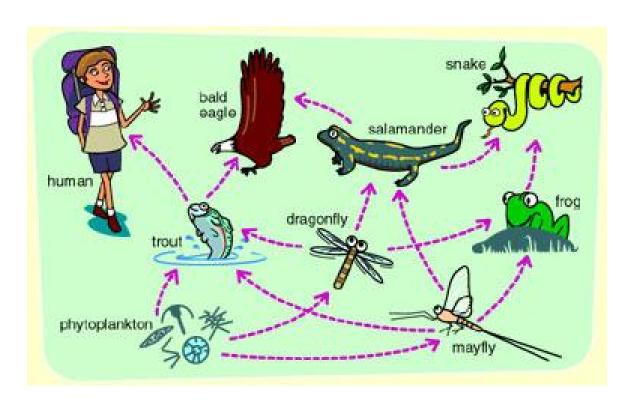


Produce useful substances

Pollinate plants - including those we eat



- Produce useful substances
- Pollinate plants including those we eat
- Integral part of the food web



- Produce useful substances
- Pollinate plants including those we eat
- Integral part of the food web
- Biocontrol for insects and weeds





Keith Weller

- Produce useful substances
- Pollinate plants including those we eat
- Integral part of the food web
- Biocontrol for insects and weeds
- Research



The insect collection of 19th century Texas naturalist Ludolph Heiligbrodt is housed at the University of Texas at Austin.

Public domain image by Alex Wild, produced as part of the Insects Unlocked project at the University of Texas at Austin.

- Produce useful substances
- Pollinate plants including those we eat
- Integral part of the food web
- Biocontrol for insects and weeds
- Research
- Aesthetic



Anderson, M.

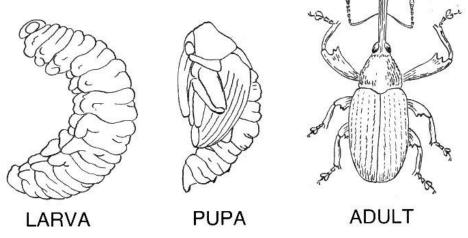
## **Common Disservices**

Pests of valuable crops









Pearson Scott Foresman

Pests of valuable crops

Pests of commercial material





- Pests of valuable crops
- Pests of commercial material
- Vectors for plant and animal disease



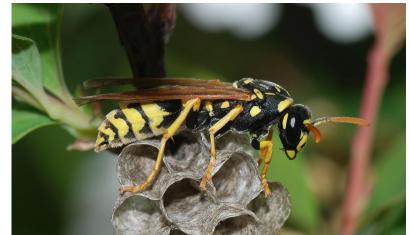




- Pests of valuable crops
- Pests of commercial material
- Vectors for plant and animal disease
- Pests that sting and bite







Alvesgaspar, 2009

- Pests of valuable crops
- Pests of commercial material
- Vectors for plant and animal disease
- Biting
- Annoyance







Ton Rulkens, 2012

## **Works Cited**

- 1 Metcalf, R.L. and R.A. Metcalf. Destructive and Useful Insects: Their Habits and Control. 5th ed., McGraw Hill, Inc., 1993.
- 2 Clausen, L.W. *Insect Fact and Folklore*. The Macmillan Company, 1954.
- 3 Dodrill, T. "Whole Foods Launches 'Human Bee-In' to Help Save the Honeybees." *Inquisitor*, 2014.
- 4 "Invading weeds are met by an offense of plant-eating insects." Allen Press Publishing, 2012.
- 5 "How to Manage Pests: Pests in Gardens and Landscapes: Scales." *University of California Agriculture and Natural Resources Statewide Integrated Pest Management Program*, 2014.
- 6 Peters, T.M. Insects and Human Society. Van Nostrand Reinhold, 1988.
- 7 Dupuy, W.A. *Our Insect Friends and Foes*. Dover Publications, 1925.
- 8 "Malaria." World Health Organization Incorporated, 2017.