

# Insect-plant relationships

- Insects needs should go with host plant needs.
- The environmental conditions that plant required are most likely suitable to insects that attacking it.
- Insect generation should be shorter than plant duration.
  - Insects that attacking vegetables have short generation period.
  - Generation of Insect that attack trees
  - [http://www.hebron.edu/journal/Archive/M2\\_f2/01-15E.pdf](http://www.hebron.edu/journal/Archive/M2_f2/01-15E.pdf)

- [http://www.hebron.edu/journal/Archive/M2\\_f2/01-15E.pdf](http://www.hebron.edu/journal/Archive/M2_f2/01-15E.pdf)

- <http://links.jstor.org/sici?sici=0003-0147%28197411%2F12%29108%3A964%3C791%3AESAPP%3E2.0.CO%3B2-C&size=LARGE&origin=JSTOR-enlargePage>
- **Population Growth and Regulation**  
**Intrinsic Rate of Natural Increase**
- <http://www.zo.utexas.edu/courses/THOC/PopGrowth.html>

## R-vrs. k Strategists

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Body size

Dispersal

No. eggs per female

Duration of Generation

Reproductive rate

Resistances to harsh weather

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# Plant structures

## Plant structure diversity

- **Diversity and Pattern in Plants and Insects**  
[http://links.jstor.org/sici?sici=0012-9658\(197209\)53%3A5%3C819%3ADAPIPA%3E2.0.CO;2-B](http://links.jstor.org/sici?sici=0012-9658(197209)53%3A5%3C819%3ADAPIPA%3E2.0.CO;2-B)

- Influence of Host Plant Structure and Microclimate on the Abundance and Behavior of a Tephritid Fly
- <http://www.springerlink.com/content/x72285p381843645/>

- <http://www.bugwise.net.au/action/herbivory.htm>