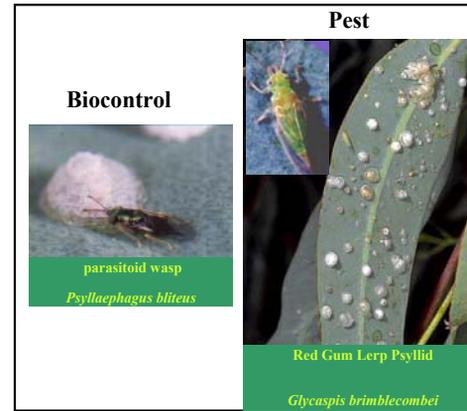
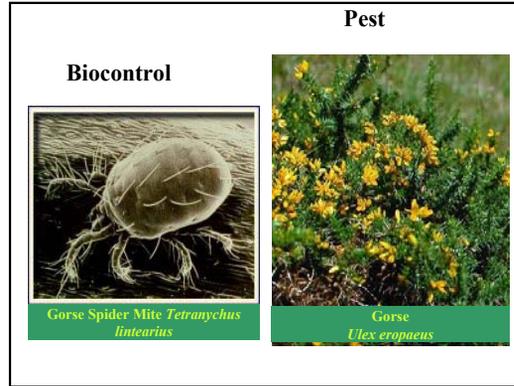


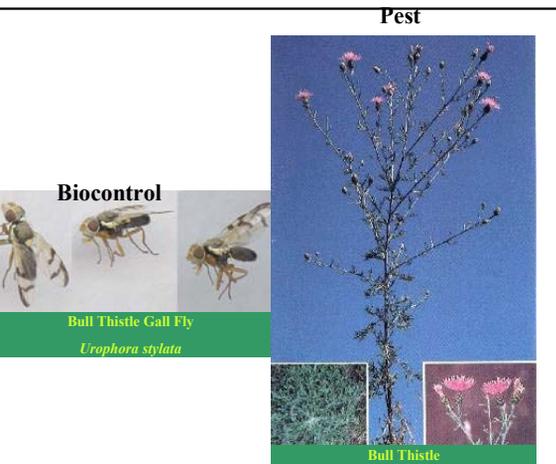
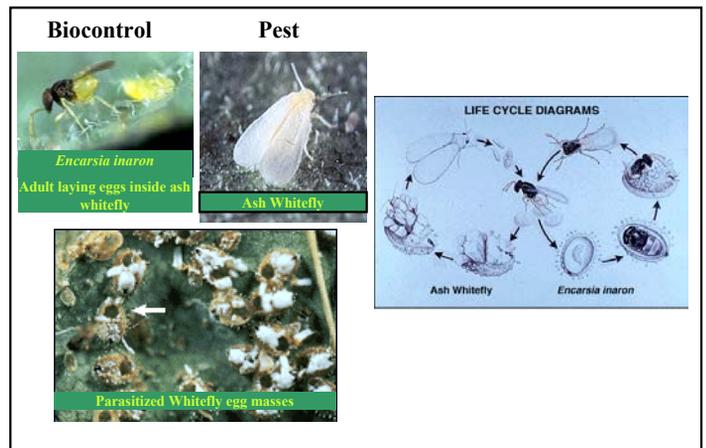
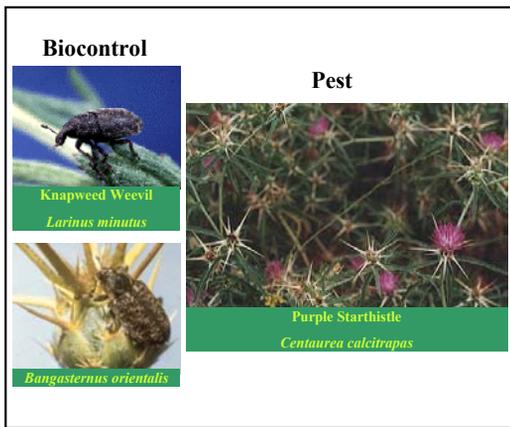
- Biological Control is the use of a specially chosen living organism (a predator, a parasite, or a disease) to control a particular pest.
- It is a type of pest management that can be thought of as using “living pesticides”.
- Often Biological Control is part of an integrated pest management approach which includes the use of chemical, mechanical, and biological means to combat pest organisms.

The Sonoma County Agricultural Commissioner’s Office has released biocontrols on the following pests:

- Yellow Star Thistle
- Purple Star Thistle
- Bull Thistle
- Musk Thistle
- Gorse
- Ash White Fly
- Scotch Broom
- Blue Gum Lerp Psyllid
- Red Gum Lerp Psyllid



## Examples of Biological Controls released in Sonoma County



### Pros:

- Attacks specific pests without disturbing other “non-target” organisms
- Can provide long-lasting or permanent suppression of pest populations
- Can be more economical than chemical pest control
- Reduces impacts on the environment

### Cons:

- Requires a greater understanding of the biology of the pest and intensive management and planning
- May not completely eradicate the pest