

Entomology 101 - Insects and People

Nuisance Insects - Yellowjackets and Spiders

Problems

- stings
- bites
- entomophobia vs. delusory parasitosis

Stinging Insects

- Bees
- Wasps
- Ants
 - Some are Social
 - Ovipositor

Yellowjacket life history

- in our area, spring to fall
- foundress queen, workers, males, overwintering queens

Aerial vs. subterranean nests

Yellowjacket Concerns

Agricultural

- fruit growing
- wine and juice industry
- Christmas trees
- logging

Recreational

- nests
- scavengers

Medical concerns

Moderate Sting Reaction

Severe Sting Reaction

Shock

Treatments

Emergency Treatments

- epinephrine

Long Term Treatments

- desensitization

Yellowjacket Avoidance

- olfaction
- light clothing

- barefoot
- care
- slow and deliberate

Yellowjacket Control

- nest destruction
- poison baits
- attractants
- management

Spiders

- all spiders have toxins - not all spiders are dangerous

Black Widow Spider

- characteristic hour-glass design on underside of female
- usually associated with firewood, logs, lumber, rock piles, dry crawl spaces, etc. - not usually an indoor spider
- produces a neurotoxin - not often fatal

Brown Recluse Spider

- perhaps the most dangerous spider in United States - primarily SW and SE - not in Pacific Northwest
- characteristic fiddle design
- necrotic damage

Funnel Web Spiders

- hobo spider or aggressive house spider
- common in PNW, especially in homes
- necrotic damage

Necrotic Sequence