

A RESOURCE BOOK FOR THE PACIFIC NORTHWEST

Edited by Elizabeth H. Beers, Jay F. Brunner, Michael J. Willet, and Geraldine M. Warner. Original publication by Good Fruit Grower, Yakima, WA. 1993.

Orchard Pest Management provides a practical reference on tree fruit IPM. Insect hosts, life stages, life histories, damage, monitoring, biological control, and management are described for most major

and minor pests in orchards as well as major natural enemies. This information is designed to be used in combination with the WSU Crop Protection Guide and WSU Decision Aid System to inform integrated pest management decisions.

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beneficial insects and natural enemies are listed below.

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Indirect Pests

Borers (beetles)

- Pacific flatheaded borer
- Shothole borer, Ambrosia beetle

Borers (moths)

- Cherry bark tortrix
- Carpenterworm
- Peachtree borer

Other moths

- Apple ermine moth
- Fall webworm
- Redhumped caterpillar
- Tent caterpillar
- Yellownecked caterpillar

Leafhoppers

- Rose leafhopper
- White apple leafhopper

Leafminers

- Western tentiform leafminer

Mites

- In general
- Eriophyid (rust) mites
- Apple rust mite
- Eriophyes inaequalis
- Pear rust mite
- Pearleaf and appleleaf blister mite
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- Tetranychid (spider) mites
- Brown mite
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- Pome fruit aphids
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- Other indirect pests
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