

Home Orchard Pest Management Suggestions

Pest Problem	Crop	Non-Chemical Management	Spray Materials to Use	Timing and Comments
Aphids, Scale & Mites	Apple, Pear, Apricot, Cherry, Peach, Nectarine, Plum		Horticultural Oil	Apply at dormant or combined with lime-sulfur or fixed copper at delayed dormant stage. Do not use lime-sulfur on Apricots.
Aphids	Apple, Pear, Apricot Cherry, Peach, Plum	Wash off with strong jet of water.	Insecticidal Soap or Horticultural Oil (Summer rate)	Apply if needed during growing season when aphids are present. For best results, apply before the leaves curl up.
Apple Maggot	Apple, Pear	Use apple maggot sticky traps. Use bags or nylon barriers on fruit. Remove infected fruit from orchard and destroy.	Kaolin	Acts as a repellent. Apply at petal fall and keep foliage and fruit coated. This may require reapplication every 7-10 days until harvest.
Bacterial Canker	Cherry, Peach, Apricots, Plums	Prune out diseased wood if possible. Prune only during dry weather.	Fixed Copper	Apply at bud break in spring. Apply again at leaf fall in autumn, before winter rains. Spray trunk, limbs, and twigs thoroughly.
Black Knot	Plum	Prune out diseased wood.	Bordeaux, Lime-Sulfur, or Wettable Sulfur	Apply at shuck fall (last blossom remains fall from developing fruit)
Brown Rot	Cherry, Plum, Apricot		Fixed Copper or Bordeaux	Apply at delayed dormant (stage 3).
Codling Moth	Apple, Pear	Remove infected fruit from orchard and destroy. Wrap cardboard around trunks to trap larvae.	Spinosad Kaolin	Use pheromone traps to indicate when male moths are present, or begin sprays late June (Whatcom County). Acts as a repellent. Apply at petal fall and keep foliage and fruit coated. This may require reapplication every 7-10 days until harvest.

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Leaf Rollers	Apple		Horticultural Oil <i>Bacillus thuringiensis</i> or Spinosad	Apply as a delayed dormant spray (stage 4-5) Apply at petal fall
Peach Leaf Curl	Peach, Nectarine		Fixed Copper or Lime Sulfur	Apply at bud swell, usually late January. Reapply in 3 weeks, then again 3 weeks later. Also, apply in late fall after leaf fall.
Pear Leaf Blister Mite	Pear		Oil, or Lime-Sulfur, or Oil+Lime-Sulfur	Apply at delayed dormant stage as buds swell. Also apply after leaf fall in late autumn.
Pear Slug	Pear, Cherry	Hand pick or wash off with water	Insecticidal Soap, Neem Oil	Apply only when present in large numbers.
Powdery Mildew	Apple	Plant resistant varieties.	Lime-Sulfur, Wettable Sulfur	Apply at pre-pink stage, before buds show color (stage 4-5). Reapply as needed during growing season.
Pseudomonas Dieback	(Asian) Pear	Plant resistant varieties. Avoid twig injury.	Fixed Copper	Apply at bud break in spring and at leaf drop in fall.
Scab	Apple, Pear	Plant resistant varieties. Rake leaves in fall and dispose of (do not compost)	Lime-Sulfur or Wettable Sulfur Maneb	Apply at pink stage, as buds show color (stage 6-7). Apply again at petal fall.

- Remember to always read and follow label directions before using. Pesticide recommendations may change from year to year.
- Sprays that are sprayed at the same time can be combined in the tank (for example, combine oil and lime-sulfur for delayed dormant sprays for many fruits.)
- For detailed information, visit WSU Extension Hortsense Page- <http://pep.wsu.edu/hortsense/> or OSU Managing Diseases and Insects in Home Orchards. - <http://leesc.orst.edu/agcomwebfile/edmat/ec631.pdf>