

Fruit & Ornamental Spray Schedules

Regular seasonal spraying is very important for fruit production in Western Oregon. Timed sprays help to control fungal diseases, insects and some bacterial diseases.

In Fall, Winter, and Early Spring sprays should evenly coat all branches and the trunk. Late Spring and Summer sprays should be applied according to label instructions. Bloom stages are used to time spray applications: **Pre-Pink** – buds are swelling but not showing any color; **Pink** – first show of color, but flowers are not open; **Petal Fall** – last flowers have fallen. Please note that these stages vary from year-to-year based on weather, so it is important to watch your trees during critical times.

FRUIT TREES

APPLE

WINTER - Use SPRAY OIL at Winter (Dormant) Dilution for control of aphids, scale insects and mites. Use COPPER in late January/early February for disease control.

SPRING - Use SERENADE at Summer Dilution at Pre-Pink, Pink, and Petal Fall stages. Check OSU Extension Office (<http://extension.oregonstate.edu/gardening/calendar/>) for when to use control methods for Codling Moth. PHEREMONE TRAPS or sprays are generally used three weeks after bloom, however timing is critical. SPINOSAD, NEEM, MALATHION or ROTENONE are all Codling Moth control methods.

SUMMER - For Apple Maggot treatment in July. Use SEVIN, PYRETHRIN, MALATHION, or ROTENONE according to package instructions.

FALL - Use COPPER after harvest for disease control.

APRICOT

WINTER - Use SPRAY OIL (Dormant) Dilution for control of aphids, scale insects and mites. Use COPPER in winter for disease control; it can be applied multiple times from mid-December to late January

SPRING - Use CAPTAN sprayed at Pink and Petal fall.

SUMMER - Apply PERMETHRIN or SPINOSAD on tree trunk in early July and again in Late July/Early August for borer control. DO NOT SPRAY ON FRUIT.

FALL - Use CAPTAN spray two weeks before harvest (if rainy). Use COPPER after harvest for disease control, before heavy rains set-in.

CHERRY

WINTER - Use SPRAY OIL (Dormant Dilution) for control of aphids, scale insects and mites. Use COPPER in winter for disease control; it can be applied multiple times from mid-December to Late January. Use SERENADE in late January or early February for disease control.

SPRING - CAPTAN or SERENADE sprayed at Pink and Petal fall.

SUMMER - Cherry Fruit Fly – spray about Memorial Day with SEVIN, NEEM, MALATHION, or SPINOSAD.

FALL - Use COPPER after harvest for disease control, before heavy rains set-in.



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PEACHES & NECTARINE

WINTER - Use SPRAY OIL at Winter (Dormant) Dilution for control of aphids, scale insects and mites. Use COPPER in winter for disease control; apply in mid-December and again in early January. Use SERENADE in mid-to-late February for disease control.

SPRING - Use SERENADE sprayed at Pink and Petal fall.

SUMMER - Apply PERMETHRIN or SPINOSAD on tree trunk in early July and again in Late July/Early August for borer control. DO NOT SPRAY ON FRUIT.

FALL - Use COPPER after harvest for disease control, before heavy rains set-in.

PEAR

WINTER - Use SPRAY OIL at Winter (Dormant) Dilution for control of aphids, scale insects and mites. Use COPPER or SERENADE in winter for disease control; it can be applied multiple times from mid December to late January.

SPRING - Use SERENADE sprayed at Pink and Petal fall. Check OSU Extension Office (<http://extension.oregonstate.edu/gardening/calendar/>) for when to use control methods for Codling Moth. PHEROMONE TRAPS or sprays are generally used three weeks after bloom, however timing is critical. SPINOSAD, NEEM, MALATHION or ROTENONE are all Codling Moth control methods.

FALL - Use COPPER or SERENADE after harvest for disease control, before heavy rains set-in.

PLUMS (PRUNES)

WINTER - Use SPRAY OIL at Winter (Dormant) Dilution for control of aphids, scale insects and mites.

SPRING - Use SERENADE sprayed at Pink and Petal fall.

SUMMER - Apply PERMETHRIN or SPINOSAD on tree trunk in early July and again in Late July/Early August for borer control. DO NOT SPRAY ON FRUIT.

FALL - Use COPPER or SERENADE after harvest for disease control, before heavy rains set-in.

NUT TREES

HAZELNUT (FILBERT)

WINTER - Use COPPER for disease control.

SUMMER - Use SEVIN or PERMETHRIN in early July for Filbert Worm. Repeat in late July or early August.

FALL - Use COPPER at leaf fall for disease control.

WALNUT

WINTER - Use COPPER for disease control.

SPRING - Use COPPER immediately before and after bloom for disease control.

SUMMER - Use PERMETHRIN or SPINOSAD in mid-to-late July to control Walnut Husk Fly.

FALL - Use COPPER at leaf fall for disease control.

CHESTNUT

WINTER - Use COPPER for disease control; apply between mid-December and mid-January.

FALL - Use COPPER at leaf fall for disease control.



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SMALL FRUITS

BLACKBERRY

WINTER - Use COPPER or SERENADE for winter disease control; apply after training and before new growth emerges. Apply to the canes.

SPRING - Use SERENADE before flowers open.

SUMMER - ROTENONE or PYRETHRIN on open flowers to control Western Fruitworm.

FALL - Use COPPER or SERENADE at leaf fall for disease control.

BLUEBERRY

SPRING - Use CAPTAN immediately before and after bloom for disease control.

SUMMER - Use SEVIN or ROTENONE after bloom for control of fruitworm.

FALL - Use COPPER at leaf fall for disease control.

CURRANT & GOOSEBERRY

WINTER - Use COPPER for disease control; apply mid-December to late January.

SPRING - Use COPPER or SERENADE at first full leaf. Use ROTENONE or PYRETHRIN in late spring for control of Maggot and Currant Worm.

GRAPE

WINTER - Use COPPER or SERENADE for disease control.

SPRING - Use COPPER or SERENADE for disease control. Use COPPER or SERENADE again when there is 1 inch of new growth for disease control.

SUMMER - Use ROTENONE or PYRETHRIN for control of Cutworm and Leafhopper.

RASPBERRY

WINTER - Use COPPER or SERENADE for disease control; apply in late winter after training but before new growth emerges.

SPRING - Use SERENADE before flowers open. Use ROTENONE or PYRETHRIN on open flowers to control Western Fruitworm.

FALL - Use COPPER or SERENADE at leaf fall for disease control.

PRODUCT LIST

Captan: Chemical fungicide. Use with caution; Fertilome Fruit Tree Spray.

Copper: Fungicide available in liquid and dust forms. Lily Miller Kop-R-Spray.

Malathion: Organo-phosphate insecticide. Fertilome Fruit Tree Spray or HiYield 55% Malathion.

Neem: An organic insecticide. Fertilome Triple Action Plus, Dyna-Gro Pure Neem Oil.

Pheromone Trap: An attractant with a sticky substance inside that traps insects. It is placed in an orchard and is generally used to monitor populations to time sprays more than as a control mechanism.

Permethrin: Chemical insecticide. Low toxicity, tends to persist. HiYield Garden, Pet and Livestock Insect Control.

Pyrethrin: An organic insecticide; Safer Yard & Garden Insect Killer

Rotenone: Insecticide. Bonide Rotenone Dust.

Serenade: A biological fungicide/bactericide. Serenade Garden Disease Control.

Sevin: Chemical insecticide. Garden Tech Sevin.

Spinosad: Insecticide; Fertilome Borer, Bagworm, Leafminer & Tent Caterpillar Spray.

Spray Oil: Fine petroleum oil used to suffocate insects. Lily Miller Superior Type Spray Oil.

To avoid personal injury and damage to plants, **ALWAYS FOLLOW PACKAGE INSTRUCTIONS.**



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