

MAJOR FRUIT TREE DISEASES AND INSECTS

Our cool, wet weather in the NW is perfect for growing all kinds of fruit and nut trees. Unfortunately, it is also perfect for harboring pests and disease. The following chart delineates potential diseases and insects for fruit trees. Not all the problems related to fruit and nuts trees are listed and our Information Desk is always a good place to ask questions for diagnoses and solutions.

We encourage you to get a professional opinion on diagnosis before applying a treatment, and always use products according to their package directions.

FRUIT TREE	DISEASE/ INSECT	EFFECT	MANAGEMENT	PRODUCTS
APPLES	Aphids	Deformed, puckered new growth. Masses of ants. Sticky residue on lower foliage.	Spray, predator insects.	Insecticidal soap, Neem oil, Pyrethrins
	Apple Maggot	Tunnels through fruit.	Clean-up, dormant spray traps.	Malathion, Pyrethrins
	Bitterpit	Circular sunken spots on fruit with brown flesh beneath.	Maintain regular soil moisture in summer. Light pruning. Avoid excess nitrogen.	Foliar sprays of calcium chloride or calcium nitrate 5xs in summer. (AKA Yield Booster)
	Codling Moth	Worms in fruit	Traps spray, clean-up, predator insects.	Ask for specifics of timing, etc.
	Leafrollers	Rolled leaves	Spray, trap, and remove manually.	Bt, spinosad
	Powdery Mildew	Red spots turn to white coating on leaves. Often in early spring.	Prune out infected areas, spray, clean-up, increase air circulation.	Fungicides and dormant sprays: Neem, sulfur, copper soap
	Scab	Brown to red spots on leaves and fruits in spring and early summer. Leaves can be curled and distorted and often drop early.	Clean-up, improve air circulation with proper pruning, dormant spray 3 times.	Sulfur, copper, Bonide Remedy, Captan

Apricots Also Nectarines & Peaches	Aphids, Leaf rollers - See Apples			
	Bacterial Canker	Branch die back is coupled with oozing areas on trunk and limbs in fall.	Prune out affected areas, sterilize pruning shears. Clean-up. Dormant sprays.	Dormant spray, copper.
	Brown Rot	Flowers and associated leaves and twigs die back. Fruit rots. Occurs spring to early summer.	Prune out affected areas. Early bloom and pre-fruit ripening sprays.	Copper, Neem, Captan.
	Leaf Curl	Twig die back occurs with leaf distortion and puckering in spring.	Dormant sprays. Pick off infected leaves, spray with Neem and fertilize tree. Tent in spring.	Copper, Neem, Daconil
	Peach tree borers	Holes in trunk with sawdust. Can be coupled with oozing.	Trap in June, spray, remove, or prune out.	Dormant spray, Spinosad during growing season.
	Shot Hole (Coryneum Blight)	Leaves are full of round holes. Fruit has spots and gumminess. Twigs can have sunken red spots and ooze. Occurs in spring and fall.	Dormant and early spring sprays. Prune out infected areas. Drip irrigation.	Sulfur, Copper, Captan
Cherries And Plums	Aphids - See Apples			
	Bacterial Canker - See Apricots			
	Brown Rot	Flowers appear brown and wet. Fruit has powdery divots and becomes mummified.	Prune out infected areas. Clean-up all infected fruit. Dormant spray and early spring spray.	Sulfur, Copper, Captan, listed systemic fungicides i.e. Daconil, Immunox.
	Cherry Fruit Fly	Maggots in fruit	Early June insecticide. Remove larvae.	Spinosad-timing is crucial
	Cherry Leaf Spot	Leaves become full of holes.	Provide good air circulation. Spray during blossom.	Listed fungicides.
	Cherry Slug	Early Summer holes in middle of leaves.	Spray, accept.	Bayer tree and shrub (Pears only) .
	Shot Hole - See Apricots			

Figs	Aphids, Powdery Mildew - See Apples			
Pears	Codling Moth, Powdery Mildew, Scab - See Apples			
	Cherry Slug (Pear Slug) - See Cherries			
	Pear Psylla	Aphid-like damage to leaves. Fruit is russetted & sooty from honeydew drippings.	Remove damaged leaves if small infestation. Dormant spray.	Superior oils, Bayer tree & shrub.
Quince	Rust	Yellow to orange powdery dots on leaves.	Remove infected leaves, dormant spray.	Sulfur, copper, oil sprays for a deterrent. Safer garden fungicide, Immunox, Captan.
	See Apples for additional ailments			

NUT TREE	DISEASE/ INSECT	EFFECT	MANAGEMENT	PRODUCTS
Almonds	See Apricots			
Walnuts	Blackline	A separation at the graft union. Can occur even ten + years after planting	Not reversible. Remove tree to prevent spreading the disease.	Trees sold now are grafted on different rootstocks which are not susceptible.
	Walnut Blight	Black slimy flowers	Spray before flowering	Copper
	Walnut Huskfly	Husks of the nuts are destroyed combined with stained shells.	Spray in early August.	Ask for specifics for timing, etc.

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