

Major Fruit Tree Pests, with general treatment times (pests in red are provided in this edition)

Apple/Pear:	Peach/Nectarine/Plum/Apricot	Cherry
codling moth (spring - harvest)	peach twig borer (late spring - harvest)	western cherry fruit fly (start of salmon bluish color - harvest)
fire blight (during bloom; rains in summer)	greater peachtree borer (late spring - late September)	coryneum blight (spring, fall)
	coryneum blight (spring, fall)	

Specific Spray Timings and Materials

Codling Moth, First and Second Generation

Codling moth has up to three generations (each "generation" is egg, larvae, and adult moth stages). There is a slight "lag" time between generations where you do not need to keep fruit protected with insecticide. For this reason, we provide a "start" and "end" date for each generation. The "end" date should be the date at which your last spray of the generation is applied.

County	Location	Period of greatest egg hatch	Last Spray Date	Start Sprays, Second Generation
Box Elder	Perry	June 18 - July 3	July 2	July 24
	Tremonton	June 28 - July 12	July 9	August 2
	N. Logan	June 28 - July 13	July 11	August 2
Cache	Providence	June 23 - July 9	July 9	July 27
	Smithfield	June 30 - July 14	July 11	August 2
Carbon	Price	June 8 - June 28	June 30	July 23
Davis	Kaysville	June 17 - July 2	June 29	July 20
Grand	Castle Valley	past	past	June 28
Juab	Tintic	June 22 - July 9	July 7	July 29
Salt Lake	Holladay	June 13 - June 28	June 25	July 15
	West Valley City	June 9 - June 27	June 24	July 15
Sevier	Richfield	June 11 - June 30	June 30	July 23
Tooele	Erda	June 25 - July 7	July 4	July 25
	Tooele	June 19 - July 2	June 29	July 20
Uintah	Vernal	June 12 - July 1	June 30	July 22
	Alpine	June 20 - July 5	July 4	July 25
	American Fork	June 10 - June 30	June 28	July 19
	Genola	June 10 - June 29	June 27	July 18
	Lincoln Point	June 15 - July 2	June 29	July 20
Utah	Orem	June 9 - June 27	June 24	July 15
	Payson	June 15 - July 1	June 29	July 19
	Provo	June 9 - June 28	June 25	July 16
	Santaquin	June 15 - July 2	June 29	July 20
	West Mountain	June 13 - July 1	June 28	July 19
Weber	Pleasant View	June 16 - June 30	June 28	July 19
Wasatch	Heber City	July 1 - July 18	July 19	August 12
Wayne	Capitol Reef	June 3 - June 17	June 15	July 5

Spray Timings and Material Options, continued

Codling Moth Materials:

Chemical	Example Brands	Comments
<i>Conventional</i> acetamiprid carbaryl malathion permethrin	Ortho MAX Flower, Fruit & Vegetable Sevin; Bonide Fruit Tree Spray, etc. Malathion Basic Solutions Yard & Garden, Bonide Eight	Acetamiprid: every 14 days Carbaryl: every 14 days (21 days on light populations) Malathion: every 7 days Permethrin: every 14 days; not as available in box or garden stores
<i>Soft/orgainc</i> horticultural oil spinosad	many options Green Light Lawn and Garden Spinosad; Gardens Alive Bull's Eye; Ferti-Lome Borer, Bagworm, Leafminer & Tent Caterpillar Spray; Monterey Garden Insect Spray; Natural Guard	hort. oil: use at beginning of each generation; apply at 1% rate ONLY when temperatures are below 80; no residual effect; apply different material 7-14 days later spinosad: every 7 days; moderate control

Peach Twig Borer, First Generation

This pest has two generations. Like codling moth, there is a “lag time” between generations. The “last spray date” is the date 2 weeks **prior** to end of egg hatch, when the last spray (if your material lasts 2 weeks) should be applied.

County	Location	Start Sprays	Last Spray Date
Box Elder	Perry	June 24	July 1
	Tremonton	-	-
Cache	N. Logan	-	-
	Providence	-	-
Carbon	Smithfield	-	-
	Price	-	-
Davis	Kaysville	June 22	June 27
Grand	Castle Valley	past	June 9
Juab	Tintic	June 30	July 7
Salt Lake	Holladay	June 17	June 17
	West Valley City	June 17	June 23
Sevier	Richfield	June 17	June 27
Tooele	Erda	June 22	June 26
	Tooele	June 22	June 27
Uintah	Vernal	June 22	June 30
	Alpine	June 29	July 5
	American Fork	June 21	June 27
	Genola	June 22	June 27
	Lincoln Point	June 23	June 29
	Orem	June 20	June 25
	Payson	June 21	June 26
	Provo	June 20	June 24
Utah	Santaquin	June 23	June 29
	West Mountain	June 21	June 26
	Pleasant View	June 25	June 29
Weber	Heber City	-	-
Wasatch	Capitol Reef	past	June 15

Spray Timings and Material Options, continued

Peach Twig Borer Materials:

Chemical	Example Brands	Comments
<i>Conventional</i>		see comments under Codling Moth
acetamiprid	Ortho Max Flower, Fruit & Vegetable	
carbaryl	Sevin, Bonide Fruit Tree Spray, etc.	Surround: every 3-5 days; works to repel, not kill insects; only moderate control; must purchase online
malathion	Malathion	
permethrin	Basic Solutions Yard & Garden, Bonide Eight	
<i>Soft/organic</i>		
spinosad	see 'codling moth' on previous page	
kaolin clay	Surround	

Greater Peachtree Borer

Locations in Wasatch Front should start treating the lower 12-18" of trunk and exposed roots through mid-September.

Greater Peachtree Borer Materials:

Chemical	Example Brands	Comments
permethrin, bifenthrin	Bonide Eight, Ortho Bug-b-Gone, Green Light Borer Killer	apply every 14-21 days until mid-September in highly infested areas apply twice (now and one month later) in low infestations

Western Cherry Fruit Fly

Start sprays ONLY when fruit on your tree have developed a salmon-blush color on top of the yellow. Watch fruit in sunniest location for indicator. So far, flies have been caught in all areas of the Wasatch Front.

Western Cherry Fruit Fly Materials:

Chemical	Example Brands	Comments
carbaryl	Sevin	start applications only when fruit in sunniest locations develops a salmon blush
esfenvalerate	Ortho Bug-B-Gone	
malathion	Malathion	
pyrethrin	Concern Multi-Purpose	
spinosad (<i>Soft/Organic</i>)	Ferti-Lome, Green Light, Natural Guard, GF-120	spinosad: every 7 days

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