



**Contact:**

Marion Murray  
435-797-0776  
marionm@ext.usu.edu  
[www.utahpests.usu.edu/ipm](http://www.utahpests.usu.edu/ipm)

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**Jump to CODLING MOTH**  
**Treatment Timings:**  
**Commercial Grower**  
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## Upcoming Monitoring/Insect Activity

San Jose Scale	Male flight at 185-325 DD (base 51F)
Peach twig borer	Hang traps at 300 DD (base 50F) First flight at 400 DD (base 50F)
Western Cherry Fruit Fly	Hang traps at 700 DD (base 41F)
Codling Moth	Eggs laid: 50-200 DD (after biofix) Egg hatch: 220-920 DD (after biofix)
Oblique banded leafroller	Hang traps in apples 800 DD (base 43F)
White Apple Leafhopper	First adults 550 DD (base 50F)

## Degree Day Accumulations, as of Friday, May 11

County	Location	Codling Moth, Peach Twig Borer (Base 50°F)		Western Cherry Fruit Fly (Base 41°F)
		DD since March 1	DD since biofix*	DD since March 1
<b>Box Elder</b>	Perry	348	166	724
<b>Cache</b>	North Logan	209	72	470
	Richmond	245	---	531
	River Heights	293	110	594
<b>Carbon</b>	Price	345	75	684
<b>Davis</b>	Kaysville	342	139	721
<b>Salt Lake</b>	SLCC	415	151	831
	West Valley City	380	126	789
<b>Tooele</b>	Erda	510	---	916
	Grantsville	500	95	925
	Tooele	465	80	817
<b>Utah</b>	Alpine	315	112	675
	Genola	400	159	775
	Lincoln Point	333	---	685
	Orem	437	220	822
	Payson	340	135	694
	Provo	425	79	807
	Santaquin	320	140	670
	West Mountain	369	117	733
<b>Weber</b>	Pleasant View	369	200	747

\*“Base 41F” and “base 50F” refer to the lower temperature threshold at which certain insects develop.; \***Biofix** is the date of consistent moth flight.

## Current Spray Timings - Commercial Growers

Note that these treatments are only recommended if you know you have the particular pest in your trees.

### Codling moth:

The projected timing dates of the spray periods shown below will be updated each week. Spray dates are dependent on what pest stage is targeted. \*\*The most important timings are at 220-250 DD after biofix and again at 340-640 DD after biofix.

County	City	Spray Dates to Target Eggs	**Spray Dates to Target First Larvae Hatch	**Spray Dates to Target Max. Larvae Hatch
Box Elder	Perry, Willard, Brigham	by May 13	May 14 - May 17	<b>May 29 - June 16</b>
Cache	North Logan	May 13 - May 26	May 28 - May 31	<b>June 12 - July 2</b>
	Richmond	----	----	----
	River Heights	by May 21	May 23 - May 27	<b>June 9 - June 28</b>
Carbon	Price	May 13 - May 24	May 16 - May 29	<b>June 11 - June 30</b>
Davis	Kaysville	by May 15	May 17 - May 20	<b>May 31 - June 18</b>
Salt Lake	Salt Lake City (est.)	----	May 16 - May 19	<b>May 30 - June 16</b>
	West Valley City	by May 16	May 18 - May 21	<b>June 1 - June 17</b>
Tooele	Erda	----	----	----
	Grantsville	by May 19	May 20 - May 22	<b>June 3 - June 18</b>
	Tooele	by May 17	May 19 - May 21	<b>June 1 - June 17</b>
Utah	Alpine	May 10 - May 19	May 22 - May 25	<b>June 2 - June 21</b>
	Genola	by May 13	May 15 - May 18	<b>May 26 - June 14</b>
	Lincoln Point	----	----	----
	*Orem-High population	---	by May 13	<b>May 21 - June 10</b>
	*Orem-Moderate pop.	----	by May 15	<b>May 24 - June 12</b>
	Payson	by May 16	May 23 - May 26	<b>June 3 - June 21</b>
	Provo	by May 21	May 23 - May 25	<b>June 2 - June 18</b>
	Santaquin	by May 15	May 18 - May 21	<b>June 2 - June 21</b>
West Mountain	by May 17	May 19 - May 22	<b>June 2 - June 19</b>	
Weber	Pleasant View	----	by May 14	<b>May 26 - June 15</b>

\*Due to a high population of codling moth in certain Orem areas, we had an early date for moth flight this year. If you have severe "wormy" apples, use the information for the "high population." Otherwise, use the information for "moderate population."

### Materials for codling moth control:

eggs: Horticultural oil, Esteem, Confirm, Intrepid, Azatin

larvae: Assail, Asana, Calypso, Carbaryl, Clutch, Diazanone, Guthion, Codling Moth Granulosis Virus, Imidan, Warrior, Sevin, Malathion

\*Reapply insecticides based on the residual period (i.e., protection interval) of the product used, and be sure to rotate among pesticide classes.

## Current Spray Timings - Homeowners

Note that these treatments are only recommended if you know you have the particular pest in your trees.

### Codling moth:

The projected timing dates of the spray periods shown below will be updated each week. The “First Spray” is at 220-250 DD after biofix, when larvae just begin to hatch, and the “second spray” is 340-640 DD after biofix, when the most larvae are hatching.

County	City	First Spray	Second Spray
Box Elder	Perry, Willard, Brigham	May 14 - May 17	May 29 - June 16
Cache	North Logan	May 28 - May 31	June 12 - July 2
	Richmond	----	----
	River Heights	May 23 - May 27	June 9 - June 28
Carbon	Price	May 16 - May 29	June 11 - June 30
Davis	Kaysville	May 17 - May 20	May 31 - June 18
Salt Lake	Salt Lake City (estimate)	May 16 - May 19	May 30 - June 16
	West Valley City	May 18 - May 21	June 1 - June 17
Tooele	Erda	----	----
	Grantsville	May 20 - May 22	June 3 - June 18
	Tooele	May 19 - May 21	June 1 - June 17
Utah	Alpine	May 22 - May 25	June 2 - June 21
	Genola	May 15 - May 18	May 26 - June 14
	Lincoln Point	----	----
	*Orem-High population	by May 13	May 21 - June 10
	*Orem-Moderate pop.	by May 15	May 24 - June 12
	Payson	May 23 - May 26	June 3 - June 21
	Provo	May 23 - May 25	June 2 - June 18
	Santaquin	May 18 - May 21	June 2 - June 21
	West Mountain	May 19 - May 22	June 2 - June 19
Weber	Pleasant View	by May 14	May 26 - June 15

\*Due to a high population of codling moth in certain Orem areas, we had an early date for moth flight this year. If you have severe “wormy” apples, use the information for the “high population.” Otherwise, use the information for “moderate population.”

**Materials for codling moth control:** Sevin, Malathion, *Bacillus thuringiensis* (Dipel), and spinosad (Success, Entrust) -- Bt and spinosad must be applied every 3 - 10 days to be effective.

**Precautionary Statement:** All pesticides have benefits and risks, however following the label will maximize the benefits and reduce risks. Pay attention to the directions for use and follow precautionary statements. Pesticide labels are considered legal documents containing instructions and limitations. Inconsistent use of the product or disregarding the label is a violation of both federal and state laws. The pesticide applicator is legally responsible for proper use.

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