



Tree Fruit IPM Advisory: August 18th, 2006

Past IPM advisories are archived at:

<http://extension.usu.edu/cooperative/ipm/index.cfm/cid.610/>

Note: I apologize for the hiatus in tree fruit pest advisories. I crashed my bike and the gravel road wasn't very forgiving. My body required some recovery time. Diane

*******Insect Advisory*******

CODLING MOTH (Apple and Pear): The 2nd generation is completed in warmer sites and egg hatch of the 3rd generation is underway (see CM table below). There won't be a 3rd generation in Cache County or in Alpine and West Mountain in Utah County.

For sites with a 3rd generation, keep apple and pear fruit protected through Sep 15 or harvest whichever comes first. After Sep 15, emergence of codling moth larvae from eggs should be completed for the season. For sites without a 3rd generation, fruit should remain protected through the end date of larval emergence for the 2nd generation (see CM table below). Harvest dates of apples and pears and preharvest intervals of insecticides (PHI: required interval between last application and picking fruit) need to be considered when applying late season insecticides.

Insecticides effective for codling moth in commercial orchards and recommended near harvest include Assail (7 d PHI), Imidan (7 d PHI), Intrepid (14 d PHI), and codling moth granulosis virus (see label). PHIs for Guthion and Calypso are 21 d and 30 d, respectively, so they may not be a good fit for late season control. Homeowners can find a list of effective insecticides in the Utah Home Orchard Pest Management Guide: <http://extension.usu.edu/files/publications/homeorchard20061.pdf>.

Codling Moth (CM) Phenology Table

	<u>DDs Since Biofix</u>	<u>Projected End of 2nd Gen.*</u>	<u>Projected Onset of 3rd Gen.**</u>	<u>% Egg Hatch of 3rd Gen.^</u>
Box Elder County Perry	2303	Aug 10	Aug 11	8%

Cache County				
Logan	1792	Sep 6	--	--
North Logan	1732	Sep 9	--	--
Davis County				
Kaysville	2176	Aug 15	Aug 17	2%
Salt Lake County				
Salt Lake City	2467	Aug 5	Aug 6	>10%
Utah County				
Alpine	1931	Aug 26	--	--
Genola	2133	Aug 16	Aug 20	0%
Payson	2085	Aug 19	Aug 21	0%
Provo (bench)	2152	Aug 16	Aug 18	1%
Santaquin	2135	Aug 17	Aug 19	0%
West Mountain	1892	Sep 1	--	--

*Projected end of 2nd generation = 99% egg hatch completed.

**Projected 1% egg hatch of 3rd generation.

^Percentage of 3rd generation eggs that have hatched.

Also, you can go to the “Orchard Spray Timing” tables posted on the IPM website to track the rate of codling moth development for your area:

<http://extension.usu.edu/cooperative/ipm/index.cfm/cid.645/>. Select 2nd and 3rd Generation CM in the right column and then the most recent date

PEACH TWIG BORER (Peach, Nectarine, and Apricot): Egg hatch of the 2nd generation is completed or near completion in all northern Utah monitoring sites (see PTB table below). A 3rd generation of PTB will occur in most northern Utah locations. If fruit hasn't been picked then it should be protected through Sep 15 or through harvest, whichever comes first. Egg hatch of 3rd generation will reach 5% at 2140 DD. Be sure to consider the preharvest intervals of insecticides (required interval between last application and picking fruit) when applying late season insecticides.

Peach Twig Borer (PTB) Phenology Table

	<u>DDs Since Biofix</u>	<u>Projected End of 2nd Gen.*</u>	<u>Projected Onset of 3rd Gen.**</u>	<u>% Egg Hatch of 3rd Gen.^</u>
Box Elder County				
Perry	2155	Aug 5	Aug 18	6%
Davis County				
Kaysville	2049	Aug 10	Aug 22	1%
Utah County				
Alpine	1824	Aug 19	Sep 2	0%

Genola	2058	Aug 8	Aug 22	2%
Lincoln Point	1970	Aug 12	Aug 30	0%
Payson	2021	Aug 10	Aug 23	1%
Provo (bench)	2161	Aug 5	Aug 17	7%

*Projected end of 2nd generation = 99% egg hatch completed.

**Projected 5% egg hatch of 3rd generation.

^Percentage of 3rd generation eggs that have hatched.

Also, you can go to the “Orchard Spray Timing” tables posted on the IPM website to track the rate of PTB development for your area:
<http://extension.usu.edu/cooperative/ipm/index.cfm/cid.645/>. Select 2nd or 3rd Generation PTB in the right column and then the most recent date

Insecticides effective for preventing twig borer larvae in fruit include Success, Intrepid, Imidan, and Thionex. Pyrethroid insecticides (Asana, Pounce, Ambush) should be avoided at this time of year as they are harsh on predatory mites that provide biological control of spider mites.

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