



Tree Fruit Pest Advisory – September 6, 2005

Note: Phenology models (Degree-days) were run with temperature data collected through Monday, September 5, 2005.

Next week’s advisory on September 12th or 13th will include late-season and fall pest management activity advice.

Codling Moth

Larval emergence (i.e., fruit infestation) of the 3rd generation of codling moth is underway in the warmer locations of northern Utah: West Valley City, Salt Lake City, Perry, Pleasant View, Kaysville, Provo, Orem, and Payson. There will not be a 3rd generation in Santaquin, West Mountain, Lincoln Point, Alpine, and Logan areas because temperatures were too low to initiate adult emergence before the photoperiod deadline of August 22. For sites with a 3rd generation, fruit should remain protected through approximately September 15. After this date, 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 table below) or September 15, whichever date comes first. Harvest dates of apples and pears and preharvest intervals of insecticides (required interval between last application and picking fruit) need to be considered when applying late season insecticides.

2nd and 3rd generation of Codling Moth

<u>Location</u>	<u>DD</u>	<u>% egg hatch (2nd gen.)</u>	<u>Predicted end dates (2nd gen.)</u>	<u>% egg hatch (3rd gen.)</u>	<u>Predicted onset dates (3rd gen.)</u>
Box Elder County Perry	2365	completed	completed	15%	Aug 26
Cache County Logan (Airport)	1824	84%	Sep 16	no 3 rd generation	
Davis County Kaysville	2321	completed	completed	9%	Aug 28
Salt Lake County Salt Lake City West Valley City	2522	completed unavailable completed	completed completed completed	30% unavailable	Aug 18 Aug 17

Utah County					
Alpine	1971	93%	Sep 11	no 3 rd generation	
Lincoln Point	1960	93%	Sep 11	no 3 rd generation	
Orem	unavailable completed		completed	unavailable Sep 1	
Payson	2221	completed	completed	3%	Sep 1
Provo	2295	completed	completed	8%	Aug 30
Santaquin	2118	completed	Sep 2	no 3 rd generation	
West Mountain	2026	96%	Sep 7	no 3 rd generation	
Weber County					
Pleasant View	2371	completed	completed	15%	Aug 24

Peach Twig Borer

A 3rd generation of peach twig borer (PTB) is underway in West Valley City, Salt Lake City, Perry, Kaysville, Pleasant View, Orem, Provo, and Payson areas (see table below). A 3rd generation will not occur in Logan, Alpine, and Lincoln Point areas. Peach and nectarine fruits should generally be protected from PTB through approximately Sep 15 or harvest, whichever comes first; however, orchards with good PTB control in the first two generations may have minimal populations and late season control may not be necessary. See below for predicted end dates for 2nd generation and onset dates for 3rd generation of PTB larval emergence.

2nd and 3rd generation of Peach Twig Borer

<u>Location</u>	<u>DD</u>	<u>% egg hatch</u> <u>(2nd gen.)</u>	<u>Predicted end</u> <u>dates (2nd gen.)</u>	<u>% egg hatch</u> <u>(3rd gen.)</u>	<u>Predicted onset</u> <u>dates (3rd gen.)</u>
Box Elder County					
Perry	2192	completed	completed	9%	Aug 30
Cache County					
Logan (Airport)	1565	75%	Sep 19	no 3 rd generation	
Davis County					
Kaysville	2137	completed	completed	5%	Sep 6
Salt Lake County					
Salt Lake City	2424	completed	completed	45%	Aug 22
West Valley City	unavailable completed		completed	unavailable Aug 21	
Utah County					
Alpine	1903	completed	Sep 1	no 3 rd generation	
Lincoln Point	1843	99%	Sep 2	no 3 rd generation	
Orem	unavailable completed		completed	unavailable Sep 10	
Payson	2074	completed	completed	2%	Sep 9
Provo	2018	completed	completed	1%	Sep 11

Weber County

Pleasant View 2097 completed completed 3% Sep 8

To view pest advisories and orchard spray timings on-line, visit the Utah IPM web site at <http://extension.usu.edu/cooperative/ipm/>.

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