

## Codling Moth and Peach Twig Borer Timing Dates

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### September 6, 2005

#### Codling Moth

Larval emergence (i.e., fruit infestation) of the 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> generation, fruit should remain protected through the end date of larval emergence for the 2<sup>nd</sup> 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.

#### 2<sup>nd</sup> and 3<sup>rd</sup> generation of Codling Moth

<u>Location</u>	<u>DD</u>	<u>% egg hatch (2<sup>nd</sup> gen.)</u>	<u>Predicted end dates (2<sup>nd</sup> gen.)</u>	<u>% egg hatch (3<sup>rd</sup> gen.)</u>	<u>Predicted onset dates (3<sup>rd</sup> gen.)</u>
Perry	2365	completed	completed	15%	Aug 26
Logan(Airport)	1824	84%	Sep 16	no 3 <sup>rd</sup> generation	
Kaysville	2321	completed	completed	9%	Aug 28
Salt Lake City	2522	completed	completed	30%	Aug 18
Alpine	1971	93%	Sep 11	no 3 <sup>rd</sup> generation	
Lincoln Point	1960	93%	Sep 11	no 3 <sup>rd</sup> generation	
Payson	2221	completed	completed	3%	Sep 1
Provo	2295	completed	completed	8%	Aug 30
Santaquin	2118	completed	Sep 2	no 3 <sup>rd</sup> generation	
West Mountain	2026	96%	Sep 7	no 3 <sup>rd</sup> generation	
Pleasant View	2371	completed	completed	15%	Aug 24

#### Peach Twig Borer

A 3<sup>rd</sup> 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 3<sup>rd</sup> 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 2<sup>nd</sup> generation and onset dates for 3<sup>rd</sup> generation of PTB larval emergence.

2<sup>nd</sup> and 3<sup>rd</sup> generation of Peach Twig Borer

<u>Location</u>	<u>DD</u>	<u>% egg hatch (2<sup>nd</sup> gen.)</u>	<u>Predicted end dates (2<sup>nd</sup> gen.)</u>	<u>% egg hatch (3<sup>rd</sup> gen.)</u>	<u>Predicted onset dates (3<sup>rd</sup> gen.)</u>
Perry	2192	completed	completed	9%	Aug 30
Logan(Airport)	1565	75%	Sep 19	no 3 <sup>rd</sup> generation	
Kaysville	2137	completed	completed	5%	Sep 6
Salt Lake City	2424	completed	completed	45%	Aug 22
West Valley City	unavailable	completed	completed	unavailable	Aug 21
Alpine	1903	completed	Sep 1	no 3 <sup>rd</sup> generation	
Lincoln Point	1843	99%	Sep 2	no 3 <sup>rd</sup> generation	
Orem	unavailable	completed	completed	unavailable	Sep 10
Payson	2074	completed	completed	2%	Sep 9
Provo	2018	completed	completed	1%	Sep 11
Pleasant View	2097	completed	completed	3%	Sep 8

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**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. Any mention of a pesticide brand in this document is not an endorsement by USU, and brand lists are not all-inclusive.