



Tree Fruit Pest Advisory – July 5, 2005

Note: Phenology models (Degree-days) were run with temperature data up through Monday, July 4, 2005.

Codling Moth

It is the newly hatched codling moth caterpillar or larva that chews into apple and pear fruits. Fruit should be protected from hatching larvae through 920 degree-days (DD) after biofix (first moth catch), which corresponds to 99% egg hatch of the first generation. Egg hatch of the first generation currently ranges from 66-100% completion in monitoring sites in northern Utah. Egg hatch of the second generation will begin at 1100 DD after biofix. Between 920 to 1100 DD, fruit protection is not necessary because no egg hatch is occurring.

Current codling moth development status for northern Utah sites:

- Adult emergence of 1st generation is completed and 0-2% of 2nd generation adults have emerged; 97-99% of 1st generation egg hatch is completed (814-937 DD)
 - Pleasant View, Perry, Salt Lake City Community College, West Valley City, Central Orem, and Provo Bench
- 100% of 1st generation adults have completed emergence; 91-95% of 1st generation egg hatch is completed (743-792 DD)
 - Kaysville, Payson, Santaquin, and West Mountain
- 94-99% of 1st generation adults have emerged; 66-85% of 1st generation egg hatch is completed (546-678 DD)
 - Logan, North Logan, River Heights, Alpine, and Lincoln Point

Peach Twig Borer

Peach, nectarine, and apricot fruit should be protected from first generation peach twig borer larvae during the egg hatch period from 320-740 DD after biofix. Current DD accumulations in northern Utah sites range from 287-769 DD, corresponding to 5-99% egg hatch. Second generation egg hatch will reach 5% at 1200 DD when fruit protection should begin again.

Current peach twig borer development status for northern Utah sites:

- 1st generation egg hatch is completed and 2nd generation egg hatch has not yet begun
 - West Valley City
- 93-99% of 1st generation egg hatch is completed
 - Perry, Salt Lake Community College

- 80-88% of 1st generation egg hatch is completed
 - Kaysville, Lincoln Point, Central Orem, Payson, Provo Bench, and Pleasant View
- 5% of 1st generation egg hatch is completed
 - Logan

For degree-day accumulations for monitoring sites in northern Utah, visit the Orchard Spray Timing links for Codling moth and Peach twig borer at <http://extension.usu.edu/cooperative/ipm/index.cfm/cid.645/>

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