



Tree Fruit IPM Advisory: August 5th, 2004

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

GREATER PEACHTREE BORER (CROWN BORER): I continue to catch moths in orchards where mating disruption isn't running. Trunk protection should be maintained if this pest is present (and mating disruption hasn't been applied). Backyard growers can expect 4 weeks of protection from insecticide formulations containing esfenvalerate. Less persistent materials, such as malathion, carbaryl, or permethrin, may need to be applied more often to keep the trunks protected. The moths will be flying well into September, but August is probably the last month of substantial pest pressure.

CODLING MOTH: This week's degree-day totals for codling moth suggest that northern Utah is still experiencing the hatch-out of 2nd generation eggs. Maintain coverage, particularly if the degree-day total is between 1320 and 1740 degree-days for your location. The Salt Lake City area and the warmest sites in Utah and Box Elder Counties are nearing the end of the 2nd generation egg-hatch. Trap counts have declined accordingly. Visit the CM Orchard Spray Timing link at the IPM website for a site-specific degree-day total (current weather patterns have been producing 25-30 degree-days per day).

The following figures represent the probable percentages of the 2nd generation that had emerged by Monday morning (August 2nd):

BOX ELDER CO—Perry: 79%, Willard: 81%

CACHE CO—Logan/River Heights: 24%, Hyde Park: 27%, North Logan: 14%

DAVIS CO—Kaysville: 66%

SALT LAKE CO—Salt Lake City: 92%

UTAH CO—Alpine: 27%, Genola: 71%, Lincoln Point: 46%, Orem: 81%, Payson: 63%, Provo: 74%, Santaquin: 53%, Spanish Fork: 76%, West Mountain: 36%.

WEBER CO—Pleasant View: 85%

The 3rd generation egg-hatch will likely be starting soon. In the warmest locations (such as Salt Lake City, Orem, Provo, and Genola), it will probably be starting by mid-August.

PEACH TWIG BORER: The following figures represent the likely percent of the 2nd generation that had emerged as of Monday morning:

BOX ELDER CO—Perry: 90%, Willard: 88%

CACHE CO—Logan/ Hyde Park: 11%

DAVIS CO—Kaysville: 80%

SALT LAKE CO—Salt Lake City: 95%

UTAH CO—Alpine: 11%, Genola: 56%, Lincoln Point: 32%, Orem: 83%, Payson: 60%, Provo: 73%, Santaquin: 20%, Spanish Fork: 77%, West Mountain: 18%.

WEBER CO—Pleasant View: 86%

The 3rd generation of twig borer should be emerging when the degree-day accumulations reach 2020. At the warmest sites, this will happen around mid-August.

As mentioned last week, shoot strikes are the best indication of twig borer pressure. The picture below shows what a twig borer shoot strike looks like.



*******Disease Advisory*******

APPLE SCAB: On Tuesday, August 3rd, environmental conditions for apple scab were again favorable in Utah County apple orchards. The following areas experienced combinations of warmth and moisture adequate to allow spore germination: Alpine, Lincoln Point, and Santaquin.

POWDERY MILDEW: Peach blocks in Utah County are showing signs of powdery mildew on leaves and fruit. Prompt removal or treatments with fungicides are advisable if the infections are widespread. Visit the Powdery Mildew webpage at the Utah Plant Diseases website (http://extension.usu.edu/plantpath/fruit_diseases/fd_pwdymil.htm) for information on the management of this disease.

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