



Vermont Apple IPM Alert
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May 7, 2008

Stage of Bud: Late Pink on McIntosh at UVM Horticulture Research Center (HRC).

A Reminder - Bud stage development at So. Burlington, Shoreham, So. Hero and Dummerston is summarized at: <http://orchard.uvm.edu/uvmapple/2008VTBudStages.html>

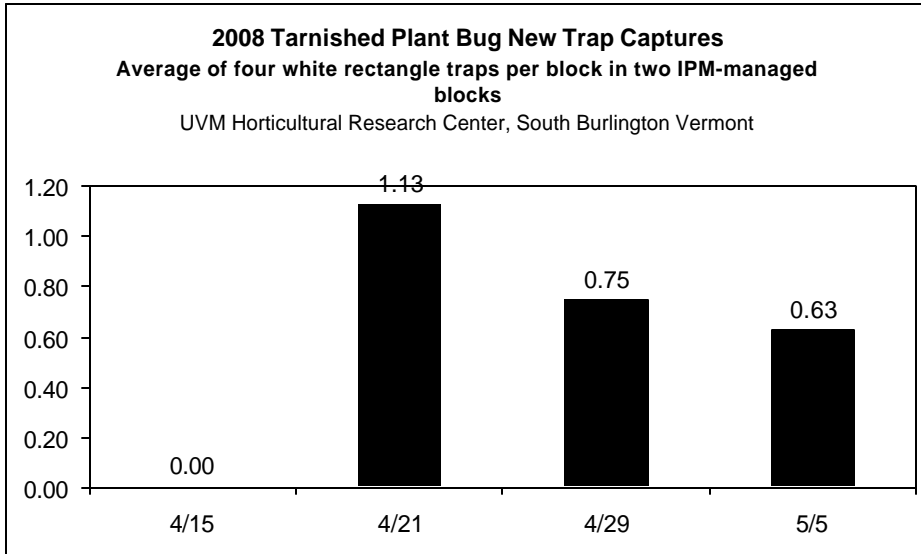
Apple Scab - At all the sites for which we are monitoring degree days to estimate ascospore maturity, we have entered the accelerated phase of ascospore maturity. This period extends from when 300 degree days (base 32F) have accumulated from the Green Tip phenological bud stage to 700 DD. As you know, it is a period of high risk for apple scab infection since a high percentage of the season's ascospores will mature and will be released during this period. It is estimated that as of May 5, approximately 25 % of the ascospores had matured at the HRC. Please note that the degree day chart at: <http://orchard.uvm.edu/uvmapple/pest/disease/2008DDAccumulationforAppleScabAscosporeMaturity.html> is a few days behind the estimated accumulation since it is only updated on Monday's. So far, we have had **two apple scab infection periods** at the UVM HRC: April 28-29; May 2-4. It would be a good idea to keep covered and to start to look for primary infections next week -- hopefully, you will not find any lesions !!

Fire blight -- We will be running the Maryblyt computer model to determine the risk of fire blight infection during bloom and will keep you informed of the predictions.

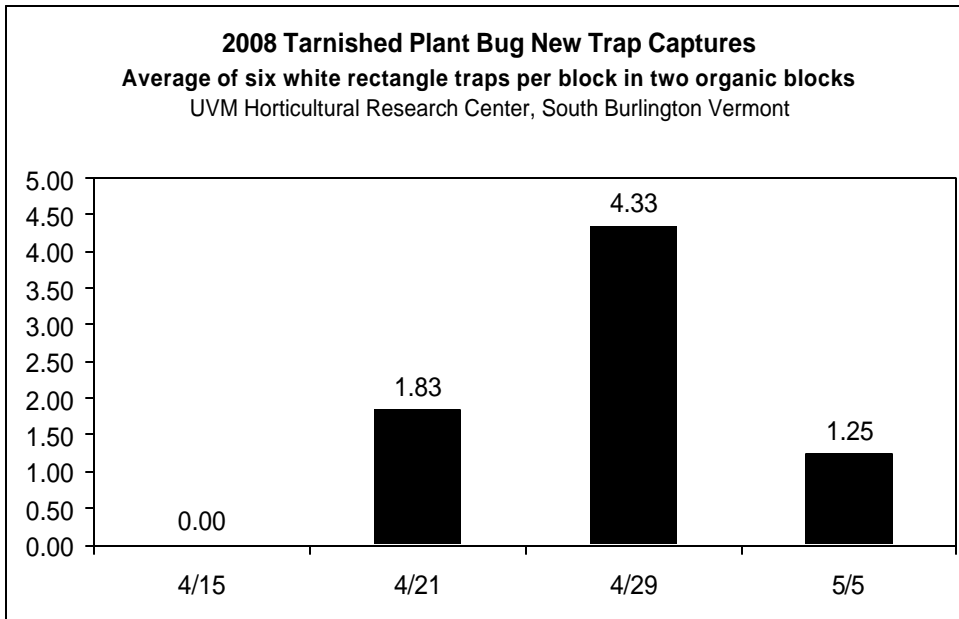
Arthropod Activity - As you may know, we are tracking degree day accumulation at 4 sites to estimate arthropod development/activity and posting the DD information at:

<http://orchard.uvm.edu/uvmapple/pest/insects/2008DDAccumulationforArthropods.html>

We are also using traps to monitor different insects at the UVM HRC. The following are charts which depict what we have trapped to date:



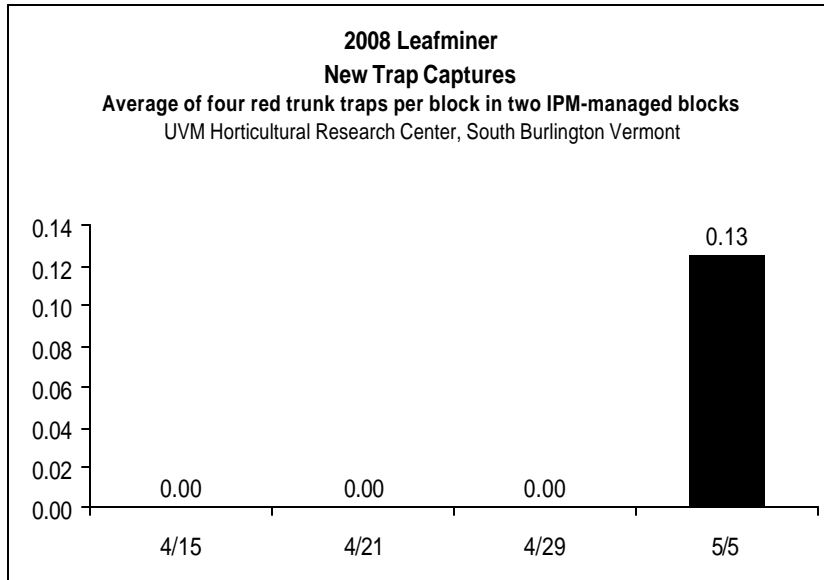
Note that we reached threshold level for TPB in the organically-managed orchard (below).



Thresholds can be found in the “IPM 'Quick' Summary for Monitoring Apple Arthropod Pests” which is located at:

<http://orchard.uvm.edu/uvmapple/pest/2004IPMQuickSummaryForMonitoring.PDF>

Trap captures indicate that the leafminer population is low so far:



CM pheromone traps have been placed in orchard blocks on April 30th at the HRC and we have not trapped any moths yet. **European apple sawflies** are active and we have just started to capture them in traps.

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