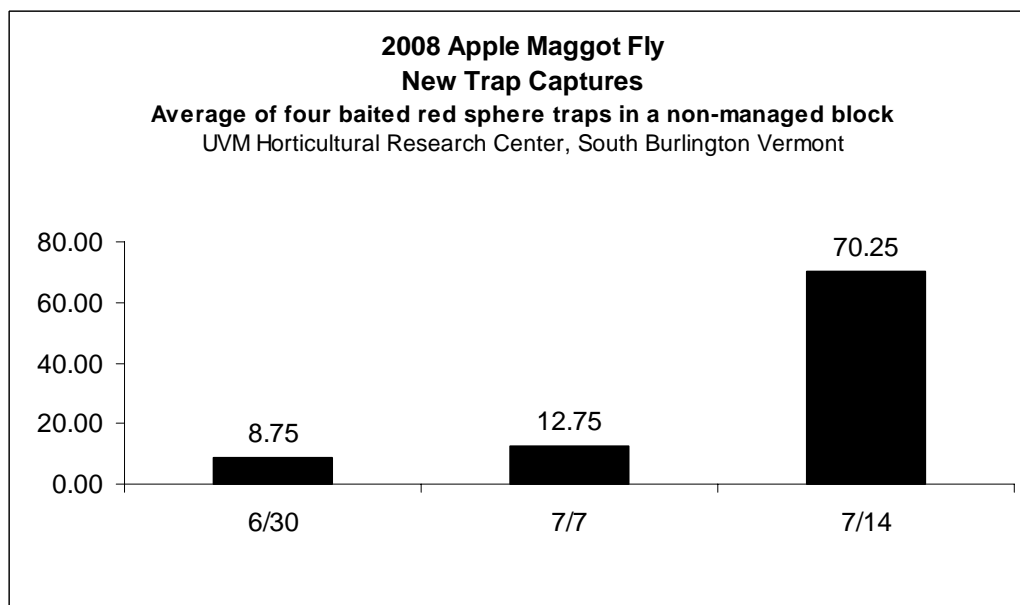



Orchard Observations
Lorraine P. Berkett
July 17, 2008

Apple Maggot Flies (AMF) - AMF are active but we still have not trapped any AMF in the two organically-managed orchards at the University of Vermont Hort. Res. Center (UVM HRC) -- which is good news. However, you can see from the graph below that they are present on the farm. It is amazing how high the population can get in an orchard block if not managed.



Obliquebanded Leafroller (OBLR) DD Update - I have been out of the state since the last update was sent out and during this past week we reached 600 DD from the biofix of June 16 at the UVM HRC. Now is the time when larval damage to foliage should be evident and a good time to scout. A standard IPM sampling procedure is outlined at:

http://ipmguidelines.org/TreeFruits/content/CH07/default2.asp#_Toc191280201

The standard IPM threshold is 3% infested terminals. *Bacillus thuringiensis* and spinosad are considered effective against this insect.

Codling Moth DD Update - As of July 15, we had accumulated 902 DD (base 50F) from the May 17 biofix at the UVM HRC. We are approaching what is considered the optimal time to manage the second generation (i.e., starting at about 1000 DD).

Potato Leafhopper (PLH) -- What a difference a week makes ! Walking through the orchards this morning, I could not find any potato leafhoppers ... they are gone ! However, since they can come into an orchard at any time through the summer, we will continue to be on the lookout for them to return.

Aphid populations are just starting (see picture below) and a few **Japanese Beetles** were observed this morning with just a little damage evident. Both will be watched carefully.



Aphid population just beginning to develop

All in all, things were relatively “quiet” in the orchards this morning. Of interest, was this beetle which I saw both in Orchard 1 and 2. It has very distinctive antennae. It is an insect I have never seen before -- a bit of a mystery visitor.



Mystery Beetle

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**Hope to see you at the Orchard Tour on July 31
at Pietree Orchards in Sweden, Maine. Details are at:**

<http://www.uvm.edu/~organica/OrganicOrchardInformation/OrganicIPM/OrganicTourFlyer.pdf>

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IMPORTANT: It is the grower's responsibility to ensure that any crop production practice or material used in the orchard is acceptable in their particular state's organic certification program. Some materials deemed organically acceptable on the National List may not be acceptable in some states. Contact your [federally accredited certifying agency](#) to know what is acceptable and to ensure compliance with regulations in your state.

Where trade names or commercial products are used for identification, no discrimination is intended and no endorsement is implied. Always read the label before using any pesticide. **The label is the legal document for the product use. Disregard any information in this newsletter if it is in conflict with the label or organic certification.**

We Value Your Input and Want to Address Your Needs

Please send your comments and suggestions to lorraine.berkett@uvm.edu

For more information on the OrganicA Project please see:

<http://www.uvm.edu/organica/>

**The OrganicA Project is being funded by a grant from the
USDA Integrated Organic Program**