

OrganicA

a resource for organic apple production

Orchard Observations

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Apple Scab - While walking through Orchard I this morning, I did notice a few apple scab lesions (picture below). The few lesions that I saw were not very fresh but did have a sporulating area along the edge of the lesions. We will be conducting a thorough assessment tomorrow and then will decide what to do --- probably continue with lime sulfur for at least one or two more sprays. If it was not a research orchard, we would pull off the few leaves with lesions to lower the inoculum. The good news is the fruit look good at this point in time.



Scab lesion in Orchard I

Plum Curculio (PC) - As of June 14, we had accumulated 308 Degree Days (base 50F) from Petal Fall. Based on the Cornell PC Oviposition Degree Day Model, it is recommended that PC be managed until 308 DD have been reached. We have been using kaolin (Surround) to suppress ovipositioning and a cursory look at the fruit today revealed no major damage. However, I was reminded this morning that PC can still cause damage if populations build up in the orchard and effective tools are not used. In a non-managed block at the UVM HRC, numerous fresh PC injury was observed today (see picture below).



Fresh PC injury.

Codling Moth - As of June 16, 386 DD (base 50F) had accumulated from the biofix of May 17 at the UVM Hort. Res. Center. We are getting out of the optimal time for management of the hatching larvae.

Obliquebanded Leafroller - We finally caught OBLR moths in pheromone traps in Orchard 1 + 2. [Not that I really like to see OBLR in the orchard (!!)] but when traps are up for a while and you do not catch anything, you begin to wonder if the pheromones are good.] We have started to accumulate degree days. The optimal time to begin to scout for second generation OBLR is about 600 DD (base 43F) after the beginning of the first gen. moth flight.

Green Apple Aphid - These insects are just beginning to be observed in Orchard 1. At this point the population in both Orchard 1 + 2 is very low.



Leaf with a few aphids.

Orchard 2 -- Some “Stunted” Trees - In the orchard where 18 year old trees were grafted in 2006 to the cultivars we are studying, we have noticed that some of the trees are not growing as well as the rest of the orchard (see pictures below). We have mapped where these are in the orchard and which cultivar(s) they are and need to do some investigating into what may be causing the stunted growth. If you have any thoughts, we would appreciate receiving them.



Some of the trees in Orchard 2 have stunted growth compared to other trees.



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/>

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