



Healthy Fruit

Volume 13, 2005

Prepared by the University of Massachusetts Fruit Team

Issue 11, June 14, 2005

Current DD Accumulations

Location	Base 32F	Base 43F	Base 50F
Belchertown, UMass CSO observed (01/01/05 – 06/13/05)	--	956	555
Belchertown, SkyBit E-Weather (01/01/05 – 06/13/05)	--	922	--
Belchertown, UMass CSO observed (05/19/05 – 06/13/05)		--	341*

*308 Degree Days (base 50) since petal fall marks the end of when insecticide coverage is needed for curculio (threshold exceeded)

Upcoming Meetings/Events

Date	Meeting/Event	Location	Time	Information
June 15	Fruit Team Twilight Meeting (with UNH Extension)	High Hopes Orchard 582 Glebe Road Keene, NH	5:30 PM	Jon Clements 413-478-7219 George Hamilton 603-641-6060
June 16	Fruit Team Twilight Meeting (with URI Extension)	Sweet Berry Farm 19 Third Beach Road Middletown, RI	5:30 PM	Jon Clements 413-478-7219 Heather Faubert 401-874-2750
June 16	Grape Grower Twilight Meeting	Nashoba Valley Winery Wattaquodoc Hill Road Bolton, MA	4:00 PM	Sonia Schloemann 413-545-4347
July 18	Massachusetts Fruit Growers' Association Summer Meeting	Nicewicz Farm 116 Sawyer Road Bolton, MA	TBA	Jon Clements 413-478-7219

The way I see it

McIntosh fruit size is averaging one inch diameter at Belchertown. Excessive heat has accelerated the fruit thinning process, and in at least one case where BA (Maxcel) was applied just before the recent stretch of hot weather, over-thinning occurred. Fruit are continuing to fall off as the hot weather has put trees under stress. If a little more thinning is required, ethephon (Ethrel) can be used at about 250 ppm, but think long and hard before going that route with the heat we are having. Primary scab and curculio seasons are over (except perhaps in the coolest orchards), so spray schedules can relax a bit. Unless you have visible scab lesions, then you

should maintain good fungicide coverage to burn it out. Scout for mites as the warm weather may bring them on, and expect potato leafhopper to arrive soon. J. Clements

Entomology

I am going to cut and paste (below) this week from the Orchard Radar apple insect degree day models for Belchertown to give you an idea on what you could be looking for now. This information is also available on the Orchard Radar web site

(<http://pronewengland.org/Content/PROInfoDecisionModels.htm>) for Belchertown, So.

Deerfield, Waltham, and Wareham. My comments are in italics. Please see the Introduction to Orchard Radar (<http://pronewengland.org/Content/AllModels/RadarIntro.htm>) for background information. J. Clements

Roundheaded appletree borer (RAB): First RAB eggs hatch roughly: June 24. Peak hatch roughly: July 12 to August 1.

First Dogwood borer egg hatch roughly: June 30. Peak hatch roughly: August 4. *A trunk directed spray of Lorsban 4E (NOW) will keep adults from laying eggs, and hence hatching roughly June 30.*

Codling moth (CM): 1st generation 20% CM egg hatch: June 14, Tuesday (= target date where one spray needed to control 1st generation codling moth) *Curculio season is pretty much over, so insecticide sprays have relaxed. If you have a problem with CM, you might want to target this date for an Imidan or Guthion spray, both giving excellent control.*

Oblique-banded leafroller (OBLR): 1st generation OBLR flight begins around: June 11, Saturday. The optimum date to begin 2 to 4 weekly low-rate Bt applications for small OBLR larvae is: June 21, Tuesday. The optimum date for application of Intrepid, SpinTor or other insecticide with comparable efficacy against OBLR (with possible follow-up at 10-14 days) is: June 26, Sunday

Oriental fruit moth (OFM): 2nd generation OFM flight begins around: July 2, Saturday
Plum curculio (PC): Earliest safe date for last PC insecticide spray: May 30, Monday *As mentioned, we have reached the threshold of 308 DD (Base 50 from petal fall) when insecticide coverage for PC is no longer needed. If you had insecticide coverage up to that date in Belchertown, PC season is done.*

Red-banded leafroller (RBLR): 2nd RBLR flight begins around: July 3, Sunday. Peak catch and approximate start of egg hatch: July 15

San-Jose scale (SJS): 1st generation SJS crawlers appear: June 20, Monday

Spotted tentiform leafminer (STLM): 2nd STLM flight begins around: June 16, Thursday
Rough guess of when 2nd generation sap-feeding mines begin showing: July 6, Wednesday.

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