

PLANT & PEST ADVISORY

CRANBERRY EDITION \$1.50

JUNE 3, 2008



INSIDE

Insect Update1

Application Extension for EQIP and AMA.....2

Plastic Pesticide Container Recycling.....2

Weekly Weather Summary3

Insect Update

Cesar Rodriguez-Saona, Ph.D., Specialist in Entomology

At this point **gypsy moth** (see picture) populations in cranberries should be under control. There are several implications for cranberry pest management following the recent gypsy moth outbreak years (2007-2008). These are:

1. On the positive side, we have newer, environmentally safer insecticides for controlling this pest. We now have several products with new chemistries that are very effective in controlling gypsy moth caterpillars. Gypsy moth is very susceptible to Insect Growth Regulators – IGRs – (Intrepid and Confirm), Delegate, Avaunt, and Assail.
2. Most likely insecticide sprays to control gypsy moth provided control against other pests. One key pest at this time of the year is **cranberry blossom worm** (see previous article). Sprays against gypsy should have affected blossom worm populations.
3. Intrepid and Confirm are very specific to lepidopteran pests, and although Delegate and Avaunt have broader insecticidal activity, they are not effective against **blunt-nosed leafhoppers** (see previous article). Only Assail has leafhopper activity. Therefore, it is important to monitor for potential secondary pests.
4. Unfortunately, New Jersey cranberry growers needed to do more pre-bloom sprays this year, as well as last year, to control gypsy moth than in years prior to the outbreak.
5. It is very important that you rotate insecticides with different chemistries. Particularly now that we have new insecticides with different modes of action labeled in cranberries, I encourage growers to rotate their use. For example, if you used IGRs pre-bloom you should consider using either Delegate, Avaunt, or Assail after bloom.
6. IGRs, Delegate, Avaunt, and Assail are good lepidopteran products. We are currently testing their efficacy against gypsy moth, *Sparganothis* fruitworm, and spotted fireworm. Results from these experiments will be presented at up-coming grower's meetings.



Gypsy moth caterpillar on cranberries

Application Extension for EQIP and AMA

Tom Drewes, State Conservationist for USDA, Natural Resources Conservation Service in New Jersey, extended the application period for two conservation programs offered through the Farm Bill. Farmers can apply for 2009 assistance through the Environmental Quality Incentives Program (EQIP) and Agricultural Management Assistance (AMA) until close of business August 15, 2008.

Drewes said, "Since the Farm Bill was passed later than expected, we wanted to ensure that potential applicants had adequate time to review the opportunities afforded them in the new law."

Through EQIP, farmers may receive financial and technical help with structural and management conservation practices that address soil, water, air, forestry, grazing and animal waste issues on agricultural land.

The AMA Program in New Jersey targets beginning farmers, limited resource farmers, small farms, and producers who have had limited participation in other USDA financial assistance programs. AMA prioritizes management practices that reduce agricultural risk by improving soil and plant productivity.

Drewes indicated that the application period for the Wildlife Incentives Habitat Program (WHIP), which targets habitat development and management for the state's at-risk species, had been previously set for August 15.

Farmers interested in these conservation programs should contact the NRCS Service Center that serves their county. More information is available online at www.nj.nrcs.usda.gov.

Plastic Pesticide Container Recycling

Friday, June 6, 2008, 9:00 a.m. to 3:00 p.m.

Helena Chemical

66 Route 206

Hammonton, New Jersey

(in the back of the building on the loading dock)

It's **FREE**, open to **ANYONE** who has a NJDEP Pesticide license & one core credit will be issued to each participant. Also - remember to bring you clean non-waxy cardboard for recycling.

Plastic Pesticide Container Processing Steps:

1. All pesticide containers **must be either triple rinsed or pressure rinsed, drained and dry inside;**
2. All pesticide containers **must be free of residue** (other than stains);
3. The **booklet must be removed** (it is not necessary to remove the paper labels glued to the container);
4. **Foil seal must be removed;**
5. Only non-refillable pesticide containers will be accepted – you **must** drill a ¼-inch hole in the **bottom** of the container or with a utility knife make a 6-inch slit in the **bottom** of the container so the container will not hold liquids;
6. Only pesticide containers embossed with HDPE or the recycling #2 will be accepted;
7. Pesticide containers up to 55 gallons in capacity will be accepted. However, you **must** cut the 55 gallon containers into at least 8 pieces and the 30 gallon containers into at least 4 pieces. This can be accomplished using a sawzall, chainsaw, circular saw, or reciprocating saw. These materials **must** be baled separately so do not commingle them with the containers 2.5 gallons or less in size - please keep them separate; and
8. Pesticide containers must have originally held an EPA registered pesticide.

We will also accept HDPE buckets & pales if the metal handles are removed.

If you have any questions, please contact:

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Weekly Weather Summary

Keith Arnesen, Ph.D., Agricultural Meteorologist

Temperatures averaged slightly below normal, averaging 65 degrees north 66 degrees central and 68 degrees south. Extremes were 87 degrees at Canoe Brook on the 28th, and 38 degrees at Charlotteburg on the 30th. Weekly rainfall averaged 0.54 inches north, 0.65 inches central, and 0.63 inches south. The heaviest 24 hour total reported was 0.93 inches at Cape May Courthouse on the 31st to 1st. Estimated soil moisture, in percent of field capacity, this past week averaged 87 percent north, 81 percent central and 72 percent south. Four inch soil temperatures averaged 62 degrees north, 63 degrees central and 64 degrees south.

Weather Summary for the Week Ending 8 am Monday 6/ 2/ 8										
WEATHER STATIONS	RAINFALL			TEMPERATURE				GDD BASE50		MON %FC
	WEEK	TOTAL	DEP	MX	MN	AVG	DEP	TOT	DEP	
BELVIDERE BRIDGE	.59	13.52	1.88	86	41	65.	1	420	58	82
CANOE BROOK	.57	13.07	.24	87	40	67.	3	433	98	85
CHARLOTTEBURG	.39	13.57	.90	82	38	63.	1	342	108	81
FLEMINGTON	.84	13.09	.94	85	39	66.	1	419	66	90
NEWTON	.32	12.95	1.77	86	41	65.	2	462	184	80
FREEHOLD	.59	9.83	-2.28	85	39	66.	0	424	5	86
LONG BRANCH	.45	11.57	-.90	84	45	67.	2	369	-1	68
NEW BRUNSWICK	.74	11.69	-.24	85	41	66.	0	437	-14	88
TOMS RIVER	.41	11.43	-.64	86	40	66.	2	431	43	65
TRENTON	1.04	11.47	.51	85	43	66.	-1	510	15	86
CAPE MAY COURT HOUSE	.93	9.46	-1.16	83	44	66.	0	484	43	87
DOWNSTOWN	.49	10.94	.06	84	43	67.	0	530	21	69
GLASSBORO	.41	10.78	-.83	84	47	69.	2	594	104	65
HAMMONTON	.56	9.41	-1.89	85	45	68.	1	568	86	65
POMONA	.74	11.05	.56	85	45	68.	2	523	107	77
SEABROOK	missing									
SOUTH HARRISON	1.11	12.22	.91	83	48	68	NA	583	NA	NA
WES KLINE -- GDD BASE 40 PINEY HOLLOW										
LAST WEEK	110	(Ending 5/26/08)								
THIS WEEK	190	(Ending 6/2/08)								

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Pesticide User Responsibility: Use pesticides safely and follow instructions on labels. The pesticide user is responsible for proper use, storage and disposal, residues on crops, and damage caused by drift. For specific labels, special local-needs label 24(c) registration, or section 18 exemption, contact RCE in your County.

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