



**UMASS
EXTENSION**

Cranberry Station Newsletter

MAY 20, 2005

UMASS CRANBERRY STATION

1 STATE BOG ROAD

P.O. BOX 569

EAST WAREHAM, MA 02538

<http://www.umass.edu/cranberry>

Avaunt Cleared for Spring Weevil

Under a Section 18 Permit for Massachusetts, Avaunt insecticide (ai. Indoxacarb) is available for use on acreage where growers have resistant cranberry weevil populations.

Weevil numbers are building on blueberry and they will be moving onto cranberry in the next few weeks. Keep in mind that if you are over threshold, you want to spray before adults have a chance to lay eggs in the developing flower buds. To apply, you must have a copy of the label, the supplemental label and the MDAR pesticide applicator reporting form. All are available at your local ag dealers.

Use pattern: 6 ounces/A/application. Two applications are permitted for the season. ***The use period is limited: 5/12/05-6/30/05 only.*** Do not exceed 12 ounces/season. Allow a minimum of 7 days between applications. REI=12 hours and PHI=30 days.

Application: Aerial, ground, or chemigation applications are permitted. Always start with water-add Avaunt to water. This is a water-dispersible granule that goes into suspension, so agitation is critical. Note there is a clear tank mixing sequence to follow. Wait two days before scouting to check for efficacy. PPE required is long sleeves, long pants, and chemical resistant gloves.

Rules: Do not apply to flow-through bogs. Hold water for at least 1 day following application. Drop ditch water prior to application. Do not apply near water supply. Half heads must be in place.

Mode of action is primarily by ingestion and secondarily through contact; coverage is key. The active ingredient is indoxacarb, which inhibits proper functioning of nerves, resulting in paralysis and death. This is a novel mode of action making this a great alternative for Lorsban-resistant weevil. In addition, the active ingredient is designated as a reduced-risk compound by US-EPA. It has a favorable environmental profile and conserves beneficial insects. Although it is toxic to pollinators, it has a low impact on honeybees after the spray has dried.

Actara is another excellent compound for control of weevil and can be used all season. ***Actara is highly effective against both the spring or summer populations of weevil.*** However, Actara is limited to only 8 oz./season. Assuming use of the full rate of 4 oz., there would only be 2 applications available for management. Thus the Avaunt Section 18 was requested for growers with heavy weevil pressure.

If you are in Zone II restricted areas, since we now have Avaunt available, Actara cannot be put on in ZONE II areas between May 12, 2005 and June 30, 2005. Growers in Zone II areas must use Avaunt during this time.

Please call Marty with any questions
508-295-2212 ext. 20

**Anne Averill and Marty Sylvia,
Cranberry Entomology**

Dr. Carolyn DeMoranville, Station Director

**AVAUNT APPROVED BY EPA
FOR USE ON SPRING CRANBERRY WEEVIL**

SEE INSIDE FOR DETAILS!

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UNIVERSITY OF MASSACHUSETTS
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