2005

Research Update Meeting 2005 - Zone II 2005

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Are you farming in a groundwater protection area (zone II)?
Step One: Are you using a product which contains an active ingredient on the Groundwater Protection List?

Cranberry Pesticides on the Groundwater Protection List

- **Insecticides**
  - Thiamethoxam (Actara)
  - Methoxyfenozide (Intrepid)
- **Herbicides**
  - Simazine (Princep, Caliber 90)
  - Pronamide (Kerb 50W)
- **Fungicides**
  - Chlorothalonil (Bravo, Echo, Equus, Spectro)

New for 2005!
Step Two: Are you applying a product which is listed on the Groundwater Protection List within a regulated primary recharge area?

The primary recharge area is designated as a Zone II or an Interim Wellhead Protection Area (IWPA). Public drinking water wells that pump greater than 100,000 gallons of water per day (gpd).
Where can you obtain information to determine if you are in a Zone II

- CCCGA Office (Maps and GIS)
- Cranberry Station (Maps)
- Plymouth County Conservation District/NRCS Office (GIS)
- Internet
  http://maps.massgis.state.ma.us
Step Three: Are you applying pesticides in an area which has greater or less than a 50% foliar cover?

For a pesticide product which is applied to an area which has greater than 50% foliar ground cover the applicator must ensure that:

- there is no viable alternative to the use of the pesticide, and

- the pesticide is being applied as part of an Integrated Pest Management (IPM) program from Department approved sources, and

- the Department of Agricultural Resources is notified of any applications of a product on the groundwater protection list within thirty days of application.
No Viable Alternative

- Need to document that the pesticide that is on the groundwater list is the only viable option you have.

- Cranberry Station Staff provides in the form of a newsletter article or letter. (i.e. Actara for weevil, Bravo for fruit rot)
What is an Integrated Pest Management Program?

- Pesticides on the groundwater list must be applied as part of an Integrated Pest Management (IPM) program from Department approved source. "Department approved sources" include:
  - the current "Cranberry Chart Book" published by the UMass Cranberry Station
Submit Notification Form to DAR Within 30 days of application!!

Call CCCGA Office (508) 759-1041

Cape Cod Cranberry Growers’ Association
GROWER ADVISORY
Groundwater Protection Regulations

The Department of Food and Agriculture (DFA)’s Groundwater Protection Regulations are intended to prevent contamination of public drinking water supplies through regulating the application of pesticide products on the Groundwater Protection Area (see page 2) within primary recharge areas. A primary recharge area is a location on "Informal Recharge Areas" and "Zone II." The public groundwater protection regulations only apply to public drinking water wells that pump greater than 100,000 gallons of water per day total.

ARE YOU SUBJECT TO THESE REGULATIONS?

Find determine if you are in a primary recharge area:

Step One: First, it is necessary to determine if you are within the recharge area. To do this, you need to determine if you are within the area where you plan to apply the pesticide.

Step Two: To determine if your cranberry bog falls within a primary recharge area, you can use the following options. Contact the CCCGA office (508) 759-1041 or the Barnstable Conservation District office (508) 362-3154 to know the Geographic Information System database service.

Existing Producing Cranberry Bogs

A. If a pesticide product which is approved for use on the area which has greater than 50% of cranberry bogs meet this requirement, the applicator must ensure that:

- There is no readily available alternative to the use of the pesticide on the Groundwater Protection Area (Zone II) or
- The pesticide is being applied as part of an integrated pest management (IPM) plan from Department approved source.

- Department approved source include: The current Cranberry Chart Book published by the University of Massachusetts Cranberry Station.

- The Department does not require the submission of this plan for approval. Instead, the applicator should maintain a copy of their IPM plan report. The plan should be specific to the pest problem requiring management with a pesticide on the Groundwater Protection Area. This plan information should include:

Cranberry Grower Groundwater Protection Program
Notification Form

You must notify the Department of Food and Agriculture Pesticide Bureau when you apply a pesticide product which is listed on the Groundwater Protection Area.

Name: ..................................................

Pesticide License Number: ..................................

Daytime Phone: ( ) ........................ Email Address: ..................................

Location and dates of Pesticides Application (Provide Specific Bog Information)

Primary Recharge Area (Location of Zone II or EPA and town)

Pesticides Used (Including EPA Registration Numbers) (Use Information from Label)

Purpose of Application

Additional Comments

Submit this form within 30 days of pesticide application to:

Gerard Kennedy
Massachusetts Department of Agricultural Resources
211 Old County Street, Suite 403
Boston, MA 02114-2101