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 Agricultural Protection (DA) is a 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 either an "interim wellfield protection area" or "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.

ARE YOU SUBJECT TO THESE REGULATIONS?

Find determine if you are in a primary recharge area.

These are several steps, which you can follow to determine if you are operating within a primary recharge area.

Step One: To determine if the well you are drilling is located within the town where you plan to drill on an application, see page 2. If there is a primary recharge area designated within the town, you need to determine if your well will be within the primary recharge area.

Step Two: To determine if your cranberry bog falls within a primary recharge area, you can use these following options: Contact the CCCGA office (508) 759-1041 or the CapeCod Cranberry Growers Association, 200 Park Street, West Barnstable, MA 02668 to know if any Geographic Information Systems (GIS) information is available.

EXISTING PRODUCING CRANBERRY BOGS

A pesticide product which is applied to an area which has greater than 30% fall ground cover (most established cranberry bogs meet this requirement) the applicator must ensure that:

- There is no viable alternative for the use of the pesticide on the Groundwater Protection Area (zone II or zone III), and
- The pesticide is being applied as part of an integrated pest management (IPM) plan, Department of Agriculture approved sources, *Department of Agriculture approved sources include: The current Cranberry Chart Book published by the University of Massachusetts Cranberry Station, Center for Disease Control, Cranberry Pest Management Guide.*

The Department does not require the submission of this plan for approval. Instead, the applicator should maintain a copy of their plan on file. The plan should be specific to the pesticide(s) being applied and identify the area to be treated. We also need to include on the Groundwater Protection Area. This information should include:

- Name of the pesticide(s), EPA registration number and EPA registration number.
- Pesticides used in this application and EPA registration number.
- Pesticides used in this application, EPA registration number, and any other information that the applicator should provide to the Department of Agriculture.

Purpose of Application

Submit this form within 30 days of pesticide application to:

Gerald Kennedy
Massachusetts Department of Environmental Protection
251 Daniel Webster Highway
Cranston, MA 02921-2101

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. The application must be made within 30 days of the application to the Groundwater Protection Area.

Name: ________________________________

Pesticide License Number: ________________________________

Daytime Phone: ( ) ___________ Fax: ________________________________

E-mail Address: ________________________________

Location and dates of Pesticide Application (Provide Specific Crop Information)

Primary Recharge Area (cause of Zone II or VEPMA and farm)

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

Purpose of Application

Additional Comments

Cranberry Grower Groundwater Protection Program
Groundwater Protection Regulations

CCCGA Grower Advisory
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