

The Commonwealth of Massachusetts

Executive Office of Energy and Environmental Affairs



Department of Agricultural Resources

225 Turnpike Road, Southborough, MA 01772

www.mass.gov/agr



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PESTICIDE BOARD SUBCOMMITTEE MEETING MINUTES

April 19, 2022

Zoom Meeting at: <https://us06web.zoom.us/j/88312731345>

Meeting ID: 883 1273 1345

BOARD MEMBERS IN ATTENDANCE

Michael Moore, DPH, Food Protection Program, (Chair)	Present
Hotze Wijnja, Ph.D., MDAR, Designee for Commissioner Lebeaux	Present
Marc Nascarella, DPH, Designee for Commissioner Cooke	Absent
Nicole Keleher, DCR, Designee for Commissioner Cooper	Present
Richard Berman, Commercial Applicator	Present

The Board did meet or exceed the minimum number (3) of members present to form a quorum and conduct business.

B. REVIEW OF MINUTES FROM FEBRUARY 15, 2022

Motion: that the Pesticide Board Subcommittee approves the summary notes for the February 15, 2022 meeting.

Moved: R. Berman

Second: N. Keleher

Discussion: None

In Favor: M. Moore, H. Wijnja, R. Berman, N. Keleher

Opposed: None

Abstained: None

C. PRODUCT REGISTRATIONS

Motion: That the Pesticide Board Subcommittee registers the pesticide products listed on the EIPAS PR April 19, 2022 Subcommittee cover sheet with the exception of the following products:

- Scotts Pro Granular Fungicide, (EPA Reg. No. 538-345);
- Lesco Echelon 0.30% Plus 11-0-5, (EPA Reg. No. 279-3322-10404);
- Basagran Herbicide, (EPA Reg. No. 70506-434);
- Brahma44, (EPA Reg. No. 83529-141);

- Nutrite Professional Turf Fertilizer with Surge Broadleaf Herbicide 16-0-8, (EPA Reg. No. 2217-882-93243); and
- Biotrinsic X14 WD Biofungicide, (EPA Reg. No. 92311-2-95213).

Moved: R. Berman

Second: H. Wijnja

Discussion: None

In Favor: M. Moore, H. Wijnja, R. Berman, N. Keleher

Opposed: None

Abstained: None

Motion: That the Pesticide Board Subcommittee has determined that the use of the following products:

- Scotts Pro Granular Fungicide, (EPA Reg. No. 538-345);
- Lesco Echelon 0.30% Plus 11-0-5, (EPA Reg. No. 279-3322-10404);
- Basagran Herbicide, (EPA Reg. No. 70506-434);
- Brahma44, (EPA Reg. No. 83529-141);
- Nutrite Professional Turf Fertilizer with Surge Broadleaf Herbicide 16-0-8, (EPA Reg. No. 2217-882-93243); and

may cause an unreasonable risk to man or the environment, when taking into account the economic, social and environmental costs and benefits of their use. This determination is based upon the leaching potential and toxicological concern of this substance as defined in the "Protection of Groundwater Supplies from Non-Point Source Pesticide Contamination" Regulations. Therefore, the Subcommittee hereby modifies the registration classification of agricultural/commercial pesticide products containing Triconazole, Sulfentrazone, Bentazon, Bromacil, and Diuron from general to restricted use for groundwater concerns.

Moved: R. Berman

Second: N. Keleher

Discussion: None

In Favor: M. Moore, H. Wijnja, R. Berman, N. Keleher

Opposed: None

Abstained: None

D. SPECIAL LOCAL NEED (SLN) REGISTRATION AMENDMENT REQUEST

Wijnja briefly introduced the Special Local Need registration amendment request for the use of Devrinol 2-XT Selective Herbicide on cranberries in Massachusetts (MA-170003)). The existing SLN allows the use of Devrinol 2-XT as split applications on new plantings. The amendment to the SLN label allows applications to both new and established plantings. Reports of infestations of warm-season perennial weeds on established beds have increased over the past few years and are most likely associated with changes in climate patterns. Allowing the application of Devrinol 2-XT closer to the time of seed germination will provide longer residual weed control, allowing efficient management of warm-season weeds without causing injury to the crop.

Hillary Sandler, UMass Cranberry Station, was in attendance and provided additional information in support of this SLN request.

Devrinol 2XT is an important herbicide for weed control in cranberry. The existing SLN and previous SLNs amended the Section 3 label to allow multiple applications to new plantings. The current amendment request would also allow use on established plantings. Sandler and colleagues collected several years of data that show that cranberries have excellent crop safety with Devrinol 2-XT when applications are made after spring growth had resumed.

The requested amendment will provide growers with additional options and flexibility for weed management. Multiple applications of Devrinol 2-XT in new cranberry plantings provides extended coverage and allows effective management of early colonizing weeds. The application of Devrinol 2-XT in established plantings after spring growth has resumed or in the fall after harvest allows efficient management of warm-season weeds without causing injury to the crop.

Motion: That the Pesticide Board Subcommittee hereby approves the amendment to the Special Local Needs registration (MA-170003) for the use of Devrinol 2-XT Selective Herbicide on cranberry in Massachusetts. The amendment to the SLN label is to allow post-budbreak applications to both new and established plantings.

Moved: R. Berman

Second: H. Wijnja

Discussion: None

In Favor: M. Moore, H. Wijnja, R. Berman, N. Keleher

Opposed: None

Abstained: None

E. NEW ACTIVE INGREDIENT

Sarah provided information about Biotrinsic X14 WD biofungicide, EPA No. 92311- 2- 95213, which contains the new active ingredient natamycin, a seed treatment for protection against *Fusarium* and *Rhizoctonia* fungal species on corn and soybean crops. A slide of the natamycin structure was shown. Natamycin a natural fermentation product generated by several common soil bacteria that belong to the *Streptomyces* genus. It has a non-toxic mode of action that prevents the germination of fungal spores.

The safety data sheet and the label handling precautions show substance is not considered hazardous. The label precautionary statement notes general practices of avoiding ingestion and inhalation and states it is a moderate eye irritant. Label language requires handlers wear personal protective equipment (PPE), including skin covering, waterproof gloves, and eye protection. The product should not be applied directly to water or areas with surface water present. Product is only used with commercial seed equipment that coats seeds via a water base slurry or misting the seeds. Approved colorant is required to show seeds have been treated.

The EPA human health risk assessment has determined natamycin is toxicity exposure Category IV (lowest level of concern) for acute dermal, inhalation, and primary dermal irritation. It is Category III for acute oral toxicity, but no toxicological endpoints could be established since toxicological effects were not observed in that study at the highest dose. The sub-chronic exposure study observed both male and female rats lost weight at the highest dose, but they also were eating less food and unpalatability could not be ruled out. Natamycin is a Category III substance for primary eye irritation, but irritation in studies quickly resolved. It is not a known sensitizer, a mutagen, or cytotoxic. Developmental toxicity studies show no discernible effects on growth, reproduction, teratological or mutagenic responses, or on gross and microscopic pathology at studied concentrations.

There were no concerns for exposure of human to natamycin in drinking water. Its solubility prevents it from exceeding 50 ppm in water, it rapidly degrades in gastric acids, and is poorly absorbed into mammals. Natamycin is extremely sensitive to UV light and is completely degraded by UV within 24 hours of exposure in aqueous solution.

Natamycin does not meet the criteria for being classified as a potential groundwater contaminant in Massachusetts.

Move that the Pesticide Board Subcommittee approve the product registration for Biotrinsic X14 WD Biofungicide, EPA Reg. No. 92311-2-95213, containing the new active ingredient *Natamycin*, and has never before been registered in Massachusetts.

Moved: R. Berman

Second: H. Wijnja

Discussion: None

In Favor: M. Moore, H. Wijnja, R. Berman, N. Keleher

Opposed: None

Abstained: None

F. NEW BUSINESS

No new business reported.

ADJOURN

Motion: To adjourn the April 19, 2022, Subcommittee Meeting.

Moved: R. Berman

Second: H. Wijnja

In Favor: M. Moore, H. Wijnja, R. Berman, N. Keleher

Opposed: None

Abstained: None