

# **PESTICIDE BOARD SUBCOMMITTEE MEETING**

## **MINUTES OF MEETING**

**August 27, 2020**

**The Department of Agricultural Resource, 251 Causeway St., FL #5 Conference RM 1  
Boston, MA**

### **MEMBERS PRESENT**

- Michael Moore, Chairperson, Director of Food Protection Program
  - Department of Public Health
- Taryn LaScola, Alternate Designee for Commissioner John Lebeaux
  - Department of Agricultural Resources
- Marc Nascarella, Designee for Commissioner Monica Bharel
  - Department of Public Health
- Nicole Keleher, Designee for Commissioner Jim Montgomery
  - Department of Conservation and Recreation
- Richard Berman
  - Commercial Applicator

### **ALSO PRESENT:**

- Susie Reed, Department of Agricultural Resources
- Hotze Wijnja, Ph.D., Department of Agricultural Resources

## **I. MINUTES**

### **VOTED**

That the Pesticide Board Subcommittee approves the summary notes for January 14, 2020 meetings.

Moved: Berman

Second: LaScola

Approved: 3-0-2 (abstention Keleher and Nascarella)

## **II. PRODUCT REGISTRATIONS**

### **VOTED**

That the Pesticide Board Subcommittee registers the pesticide products listed on the

EIPAS PR August 27, 2020 Subcommittee cover letter with the exception of the following product:

1. Alligare 2,4-D LV 6, EPA Reg. No. 81927-39-53883, containing 2,4-D

Moved: Berman  
Second: Keleher  
Approved: 5-0

### **2,4-DICHLOROPHENOXYACETIC ACID (2,4-D) MOTION:**

**Move:** That the Pesticide Board Subcommittee has determined that the use of the following product:

1. Alligare 2,4-D LV 6, EPA Reg. No. 81927-39-53883, containing 2,4-D at 88.4%

as restricted use pursuant to the Subcommittee's decision on April 14, 1989, to register products containing 20% or more of **2,4-dichlorophenoxyacetic acid (2,4-D)** and/or its derivatives as state restricted use.

Moved: Berman  
Second: LaScola  
Approved: 5-0

### **III. NEW ACTIVE INGREDIENT**

Discussion of the new active ingredient *refined oil of Nepeta cataria*.

The meeting packet included two EPA factsheets related to catmint oils.<sup>1</sup> Wijnja summarized the information. The two products considered for registration are insect repellent products that are to be applied to human skin to repel biting insects.

Refined oil of *Nepeta cataria* is also referred to as hydrogenated Catmint oil and include fractions of nepata lactone (70%) and puleganic acid (7%), which are known to insect

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<sup>1</sup> EPA Documents: Access at EPA's Pesticide Chemical Search webpage: <https://iaspub.epa.gov/apex/pesticides/f?p=CHEMICALSEARCH:1::>; search for 'Nepeta cataria oils':

- BIOPESTICIDES REGISTRATION ACTION DOCUMENT: Refined Oil of *Nepeta cataria* [Hydrogenated Catmint Oil (HCO)], USEPA, 2010
- Biopesticides Fact Sheet for catmint oil. USEPA, 2008

repellency properties. The products formulations contain 7% extract (4 hour activity) and 15% (7 hr activity). The refined oil has low acute toxicity (Cat. III and IV), is not a dermal sensitizer. Neurotoxic effects in studies with rat were minimal effects on motor activity and temporary in nature. Subchronic effects included minimal to mild degenerative effects on nasal membranes. No adverse dermal effects were observed in 90 day dermal toxicity studies. The substance did not cause adverse effect in developmental and immuno toxicity studies. It was found not to be genotoxic or mutagenic.

Relative to dietary risk, drinking water exposure was evaluated and found not to accumulate in drinking water. To prevent oral exposure, the label includes language to not apply to children's fingers and hands.

Overall, the exposure level by application to humans through use as a repellent is considered a low exposure level. Accidental exposures carry low health risk due to the substance's low toxicity profile.

Ecological toxicity studies were waived based on rationale considering low exposure potential and nature of the product. Environmental fate was not required based on the repellent use pattern.

The active ingredient was first registered by EPA in 2008.

**Move** that the Pesticide Board Subcommittee approve the product registrations for the following pesticide products. These products contain the active ingredient *refined oil of Nepeta cataria* and have never before registered in Massachusetts.

Entomol Essential Oil Insect Repellent 4 (7%) (EPA Reg. No. 91889-1) and  
Entomol Essential Oil Insect Repellent 4 (15%) ( EPA Reg. No. 91889-3)

Moved: Berman  
Second: LaScola  
Approved: 5-0

#### IV. New Business

#### **MOTION TO ADJOURN THE MEETING**

It was moved, seconded and passed unanimously.

**VOTED**

To adjourn the August 27, 2020 Subcommittee Meeting.

Moved: Berman

Second: LaScola

Approved: 5-0

Meeting adjourned at 9:30 a.m.