

# Vegetable Crop Update

*Cole Crops, Root, Bulb and Leafy Vegetable Edition*  
Marion Paibomesai, Vegetable Crop Specialist, OMAFRA, Guelph  
519-826-4963, marion.paibomesai@ontario.ca

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- Garlic IPM Update in Eastern Ontario

## MINOR USE LABEL EXPANSION GRANTED FOR CHLOROPICRIN 100 LIQUID SOIL FUMIGANT AND PIC PLUS FUMIGANT FOR CONTROL OF LABELED PESTS ON ROOT AND TUBER VEGETABLES IN CANADA

J. Chaput, OMAFRA, Minor Use Coordinator, Guelph

The Pest Management Regulatory Agency (PMRA) recently approved a minor use label expansion for **CHLOROPICRIN 100 LIQUID SOIL FUMIGANT AND PIC PLUS FUMIGANT** for control of labeled pests in fields to be planted to all root and tuber vegetables, crop group 1 in Canada. CHLOROPICRIN 100 LIQUID SOIL FUMIGANT and PIC PLUS FUMIGANT were already labeled in Canada for control of nematodes and several diseases on tobacco, strawberries, raspberries, tomatoes, peppers and potatoes.

This registration now permits the use of these products on fields that are to be planted to all root and tuber vegetables including ginseng, carrots, radish, rutabagas, turnips, horseradish, parsnips, chervil, salsify, potatoes, sweet potatoes, red beets and sugarbeets.

Nematodes and soil-borne diseases are critically important pests of root and tuber vegetables and many other crops around the world. These minor use submissions were sponsored by the minor use office of OMAFRA in response to minor use priorities identified by root and tuber vegetable producers.

The minor use label expansion registration of Chloropicrin 100 and Pic Plus fumigants will help to manage several key pests of root and tuber vegetables, however management of such pests still requires a comprehensive IPM and resistance management program with access to all available tools and strategies. The following is provided as general information only. Users should consult the complete label before using Chloropicrin 100 and Pic Plus fumigants.

**Chloropicrin fumigants can be used for control of labeled pests on fields to be planted to root and tuber vegetables as follows:**

**Chloropicrin 100 can be applied at a rate of 93 L per ha in a broadcast or banded application according to the detailed label directions.**

**Pic Plus can be applied at a rate of 108 L per ha in a broadcast or banded application according to the detailed label directions.**

**Follow all other precautions and directions for use on the Chloropicrin 100 and Pic Plus fumigant labels carefully.**

**Chloropicrin 100 and Pic Plus fumigants should be used in an IPM program and in rotation with other management strategies to adequately manage resistance.**

We wish to acknowledge the assistance and guidance of the personnel of **Hendrix and Dail Inc.** and several **grower** organizations for their support of these registrations and the personnel of the **Pest Management Regulatory Agency** for evaluating and approving this important pest management tool.

For copies of the new minor use label contact Jim Chaput, OMAFRA, Guelph (519) 826-3539.



# **GARLIC INTEGRATED PEST MANAGEMENT UPDATE**

*Carp Agricultural Hall, Friday February 17, 2012*

- 9:00 a.m. **Registration and refreshments**
- 9:30 a.m. **Introductions and Survey**
- 10:00 a.m. **A look at the life of garlic bulb and stem nematode**  
Michael Celetti, Plant Pathologist, OMAFRA, Guelph
- 10:45 a.m. **Results of the bulb and stem nematode survey across Ontario and the Clean Seed Program**  
Becky Hughes, SPUD Unit, University of Guelph, New Liskeard
- 11:15 a.m. **What we know about managing bulb and stem nematode in garlic**  
Michael Celetti, Plant Pathologist, OMAFRA, Guelph
- 12:00 p.m. **Lunch (provided)**
- 1:00 p.m. **Bulbils propagation research**  
John Zandstra, University of Guelph, Ridgetown
- 1:30 p.m. **Leek moth survey 2011**  
Margaret Appleby, IPM Systems Specialist, OMAFRA, Brighton
- 2:00 p.m. **Update on leek moth research**  
Peter Mason, Agriculture & Agri-Food Canada
- 2:30 p.m. **Grower tool for monitoring leek moth**  
Andrea Brauner, Agriculture & Agri-Food Canada
- 3:00 **Wrap up**

**Registration:** \$25.00 (Registration includes refreshments and lunch)  
\*\*Cash or cheque to be paid at the door. Please make cheques payable to **Carp Farmers' Market**

**Register by Feb. 10<sup>th</sup>. Everyone is welcome to attend!**

**To register** contact the Agricultural Information Contact Centre at 1-877-424-1300

For more information, contact Margaret Appleby at [margaret.appleby@ontario.ca](mailto:margaret.appleby@ontario.ca) or 613-475-5850.

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Questions? Comments?

Call me at 519.826.4963 or email [marion.paibomesai@ontario.ca](mailto:marion.paibomesai@ontario.ca)