



HORT MATTERS

OMAFRA Specialists in Horticulture and Specialty Crops.

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Ready for Apple Harvest?

Leslie Huffman, Apple Specialist

Summer apple harvest has started - fresh Sunrise, Paulared and Quinte's are on the market, a signal to gear up for the main fall harvest. Are you ready?

Here are a few suggestions to get ready for a smooth harvest season:

- Refresh your maturity test kit. Stop by the pharmacy to get a fresh batch of iodine solution (here's the recipe: Dissolve 8.8 g potassium iodide in 30 mL of warm water. Gently stir until properly dissolved. Add 2.2 g of iodine crystals. Shake until crystals are thoroughly dissolved. Dilute mixture with water to make 1.0 L of test solution. Store in a dark bottle).
- Check over your pressure tester, and your refractometer to measure firmness and sugars. Obtain starch-iodine charts and protect them from rain. Prepare record sheets to record results on harvest maturity.
- Apply stop-drop materials at the correct time. Apply ReTain 4 weeks before the anticipated harvest— and it's better to be early than late! Apply Fruitone-N (NAA) when the first sound apples drop (not push-offs), to hold apples for 7-10 days (allow 1-2 days to take effect). Coverage is important for both products, and moderate (20-24C) temperatures are preferred.
- Do you have enough bins? It takes 2000 apples of 3 1/8" (100-count) to fill a bin. To fill the same bin with 2 3/4" (138-count) fruit, it will require 2760 apples. Read more in "How to Estimate Bin Requirements: Harvesting Efficiently by Having the Right Number of Bins Ready", online at http://www.omafra.gov.on.ca/english/crops/facts/bin_requirements.htm
- Reflective mulch may help colour fruit, especially in the interior of the trees. Growers using this mulch report that harvest labour is more efficient because most of the fruit can be picked in one pass. Read more in "Using Reflective Mulch for Light Management in Orchards", online at http://www.omafra.gov.on.ca/english/crops/facts/orchard_mulch.htm
- Be ready for traceability! Order your bin tags and assemble markers, stapler and staples, staple pullers. Prepare your daily record book to mark down what is harvested when, by who, and where it goes. Many packers are requiring these records, so it's good to get in the habit.
- Be ready for labour. Order your harvest labour, and ready their supplies, like boots, rain gear, insect repellants and toilet facilities. Check over picking buckets and ladders, and have extra repair parts on hand. Provide hand washing facilities and records of training.
- Smooth out laneways and loading ramps – rainy conditions have been hard on some of these surfaces, but it's important to prevent bruising in the bins from "rut" damage.

A few preparations now could save precious time during harvest. Good luck!

IN THIS ISSUE...

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- Raspberry and Blackberry High Tunnel Open House

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<http://www.ontario.ca/crops>

COMING EVENTS

August 20, **Ontario Potato Field Day**, H.J. Vander-Zaag Farm, Alliston. For more information contact Eugenia Banks at eugenia.banks@ontario.ca

September 23, 24, **Handle with Care Symposium, Guelph Food Technology Centre, Guelph**. Connect with innovation and global experts in gentle processing. For more information about registration, contact Denise Horseman 519-821-1246 ext. 5068 or dhorseman@gftc.ca

Permit to Take Water Workshop—9:00 a.m. or 1:00 p.m., Simcoe OMAFRA office.

• October 15, November 19, December 17
For more information call 519-426-4920 or visit http://www.omafra.gov.on.ca/english/engineer/facts/pttw_course.htm

September 12, **Centennial Open House, Greenhouse and Processing Crops Research Centre**, Harrow, 10:00 a.m.—4:00 p.m.. For more information call 519-738-1219

September 16, **Ontario Berry Growers' Association season wrap-up and farm tour**, Whittamores Farm, Markham. Contact Kevin Schooley, kconsult@allstream.net, 613-238-4587

October 15, **Raspberry and Blackberry High Tunnel Open House**, Cornell University, East Ithaca farm, 1 to 4 p.m. For more information contact Cathy Heidenreich at 315-787-2367 or mcm4@cornell.edu

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To receive a fax version of Hort Matters, send your fax number to: OMAFRA, Vineland Resource Centre, Box 8000, 4890 Victoria Avenue N, Vineland Station, ON L0R 2E0 or fax to 905-562-5933.

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Suggestions?

We'd like to hear from you

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Ontario, Quebec, Nova Scotia, Prince Edward Island and the Prairie Province's Carrot Growers Receive Emergency Use Registration for WHITE MOLD

J. Chaput, Minor Use Coordinator

The Pest Management Regulatory Agency (PMRA) recently announced the approval of an emergency use registration for **SCHOLAR 50WP** (fludioxonil) for control of white mold (*Sclerotinia*) on stored carrots in the provinces of Quebec, Nova Scotia, Prince Edward Island, Manitoba, Saskatchewan, Alberta and Ontario. Scholar WP was already labeled in Canada for control of post-harvest diseases on pome fruit and stone fruit. Furthermore a complete minor use submission is underway with the Agriculture & Agri-Food Canada, Pest Management Centre (AAFC-PMC) minor use program to seek eventual, full registration of SCHOLAR for white mold control on stored carrots in Canada.

White mold (*Sclerotinia sclerotiorum*) is a serious disease of carrots and many other crops around the world. In Canada, white mold is considered to be one of the major limiting factors to the successful long-term storage of carrots. Losses of 50-100% have been reported by growers in Canada in recent years. Since the loss of the fungicide Benlate several years ago, carrot growers have had no post-harvest fungicide treatments to reduce losses to this disease.

Scholar fungicide was identified as a viable solution to help manage white mold of stored carrots. There have been no new products registered in Canada for white mold management on stored carrots in many years and control failures continue to increase.

The emergency use registration of Scholar 50WP Fungicide will help in the interim to manage white mold on stored carrots, however management of white mold 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 Scholar 50WP.

Scholar 50WP Fungicide can be used for control of white mold on stored carrots in Quebec, Ontario, Nova Scotia, Manitoba, Saskatchewan, Alberta and Prince Edward Island until December 31st, 2009 only. Scholar 50WP can be applied once as a post-harvest dip or drench immediately before storage. Mix 227 g of product in 378 L water. This amount can treat up to 90,000 kg of carrots.

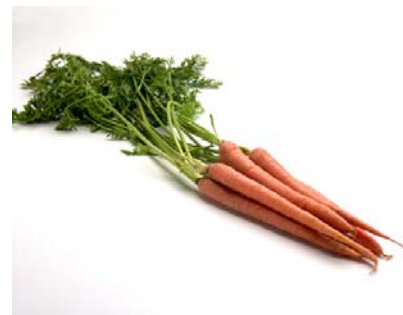
IMPORTANT: FOR DOMESTIC USE ONLY, NOT FOR USE ON CARROTS INTENDED FOR EXPORT.

Follow all other directions for use on the Scholar 50WP Fungicide label carefully.

Scholar 50WP Fungicide should be used in an IPM program and in rotation with other management strategies to adequately manage resistance.

We wish to thank Shauna Mellish, Prince Edward Island Department of Agriculture for preparing the rationale documents on behalf of Ontario, Quebec, Nova Scotia, Manitoba, Saskatchewan, Alberta and PEI carrot growers as well as Dr. Rick Peters, AAFC, Charlottetown, Dr. Jennifer Allen, OMAFRA, Mario LeBlanc, MAPAQ, the personnel of Manitoba Agriculture, Saskatchewan Agriculture, Alberta Agriculture and Nova Scotia Agriculture for their input, support and assistance. We also wish to thank the personnel of the respective provincial ministries of Environment in Ontario, Manitoba, Quebec, Alberta, Saskatchewan, Nova Scotia and PEI and **Syngenta Crop Protection Canada Inc.** for their support of this registration and the personnel of the **Pest Management Regulatory Agency** for evaluating and approving this important pest management tool. Special thanks are expressed to the PEI Dept. of Agriculture who generously covered the submission fee for this emergency use registration.

For copies of the emergency use label contact Jennifer Allen, OMAFRA Vegetable Crops specialist at Guelph (519) 826-4963, Jim Chaput, OMAFRA, Guelph (519) 826-3539 or visit Syngenta Crop Protection Canada at www.syngenta.ca





Cornell University's College of Agriculture and
Life Sciences

Raspberry and Blackberry High Tunnel Open House

Thursday, October 15, 2009, 1 to 4 PM

Cornell University invites you to attend the fourth annual Raspberry and Blackberry High Tunnel Open House to observe primocane-fruiting raspberries and blackberries, and the growth that can be obtained with black raspberries and thornless blackberries under a high tunnel.

Come by Cornell's East Ithaca farm on Thursday October 15th between 1:00 and 4:00 to meet with researchers, taste fruit, study this new technology and marketing opportunity, and hear results from year 4 of this research and demonstration trial.



The East Ithaca Farm is located on Maple Ave., adjacent to the Cornell Campus. Coming from Rt. 79 east, turn right onto Pine Tree Rd., go through the stop light by East Hill Plaza, and take the next left on to Maple Ave. The research farm is on the right, past the cemetery.

Coming from Rt. 13 north, take Rt. 366 towards Ithaca. Turn left onto Pine Tree Road at the flashing red light, just past Cornell Orchards. Take the next right onto Maple Ave. The farm is on the right, past the cemetery.

Coming west on 79, or south on 96 or 89, take Rt. 79 east through Ithaca and up the hill. Midway up the hill, bear left onto Rt. 366. At the first stoplight, take a soft right onto Maple Ave. (not a hard right). The farm is at the top of the hill on the left.

For more information contact Cathy Heidenreich, mcm4@cornell.edu, 315-787-2367.