



Wednesday, April 08, 2020

OMAFRA Vegetable Team:

Travis Cranmer, Guelph
519-835-3382
travis.cranmer@ontario.ca

Dennis Van Dyk, Guelph
519-766-5337
dennis.vandyk@ontario.ca

Andrew Wylie, Ridgetown
519-401-5890
andrew.c.wylie@ontario.ca

Cassandra Russell, Ridgetown
519-350-7134
cassandra.russell2@ontario.ca

We Are Still Here to Help

Dear Ontario Vegetable Growers,

In response to the COVID-19 outbreak, and to respect physical distancing measures, all our vegetable specialists will be working remotely but are still available to assist you.

We will continue to support the sector's needs by providing services via email, phone and virtual meetings where possible. We understand these are trying times for most and so we want to assure everyone that we are continuing delivery of information in a timely manner through these alternative channels.

We will continue to provide the sector with the support we've always given. Thank you for your understanding.

Visit Ontario's website (https://www.ontario.ca/page/2019-novel-coronavirus?_ga=2.46720167.1889916175.1584244206-592405970.1576625473) to learn more about how the province continues to protect Ontarians from COVID-19.



"In This Issue"

- ◆ We Are Still Here to Help
- ◆ The Time is Now to Apply Pre-Emergent Herbicides in Asparagus
- ◆ OMAFRA Crop Protection Guides Available

Sincerely,

The OMAFRA Vegetable Team

Andrew Wylie

Cell: 519-401-5890

Email: andrew.c.wylie@ontario.ca

sweet corn, cucumbers, melons, pumpkins, squash, beans, peas, asparagus, rhubarb

Cassandra Russell

Cell: 519-350-7134

Email: cassandra.russell2@ontario.ca

tomatoes, peppers, eggplants, sugarbeets, red beets

Travis Cranmer

Cell: 519-835-3382

Email: travis.cranmer@ontario.ca

Alliums (onions, garlic, leeks), Brassicas (cabbage, broccoli, cauliflower, Brussels sprouts, kale) & leafy vegetables

Dennis Van Dyk

Cell: 519-766-5337

Email: dennis.vandyk@ontario.ca

potatoes, carrots, rutabaga, turnip, parsnips, radish, horseradish



The Time is Now to Apply Pre-Emergent Herbicides in Asparagus

Kristen Obeid, Weed Management Specialist – Horticulture, OMAFRA



Asparagus growers are lucky because they have a large number of herbicides available to control weeds. This sometimes causes confusion. Most other horticulture producers would love to be confused by which herbicide to choose! The best rule to follow is: only apply herbicides in the very early spring before asparagus spears emerge or after all of the harvesting has been completed.

Depending on which part of the province you are in, asparagus spears will likely emerge soon especially with the warm weather coming. Therefore, get your herbicides on now to make sure you follow all of the pre-harvest intervals (PHI) outlined on the herbicide labels. This is particularly important with the food safety requirements of the retail chains.

Controlling weeds that are present in the field requires the use of a post-emergence herbicide. If you do not have any emerged weeds you could apply a pre-emergence herbicide, based on your weed problems in previous years. Before selecting your herbicide make sure you identify the weed problems in your field and determine the herbicide that will best control those weeds. For example, if you have a yellow nutsedge problem you should use Sandea; if you have a wild buckwheat and nightshade problem you should use Authority; if you have velvetleaf and nightshade you should use Callisto; if you have your standard annual grasses and broadleaves you can stick with Lorox + Sencor.

Unfortunately, many of the most widely used herbicides that are best matched to the weed mixes found in asparagus fields have relatively long PHIs. Make sure you read the labels carefully. If there is a sudden turn in temperatures with several days above 80°F you will need to select a herbicide with a shorter PHI.

The Time is Now to Apply Pre-Emergent Herbicides in Asparagus...con't

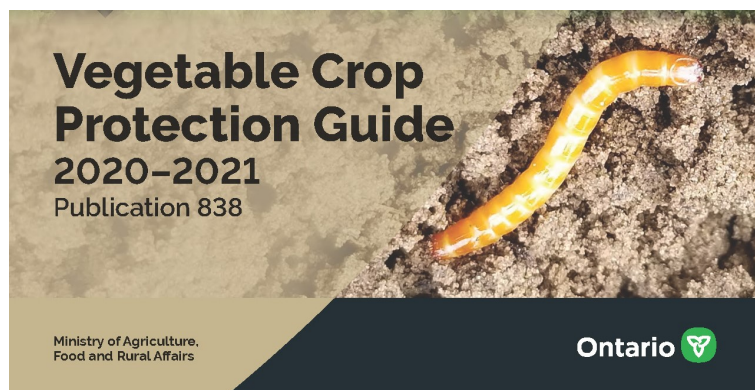
Pre-emergent (before weeds and spears emerge)	Herbicide Group	PHI (days)
Authority 480 (sulfentrazone)	14	14
Callisto (mesotrione)	27	NS
Chateau WDG (flumioxazin)	14	NS
Command 360 ME (clomazone)	13	14
Devrinol DF-XT (napropamide)	15	NS
Karmex 80 DF or Diurex 80 WDG (diuron)	7	NS
Lorox L (linuron)	7	NS
Princep Nine-T or Simadex or Simazine 480 (simazine)	5	NS
Sencor 75 DF or Squadron or Tricor 75 (metribuzin)	5	14
Sinbar WDG (terbacil)	5	5
Post-emergent (emerged weeds in-between harvests)		
Poast Ultra (sethoxydim)	1	40
Venture (fluazifop-p-butyl)	1	1
2,4-D amine salts*	4	30
Sandea (halosulfuron)	2	1
Sinbar (terbacil)	5	5
Post-emergent (emerged weeds and harvest is complete)		
Dual II Magnum (s-metolachlor)**	15	16
Glyphosate**	9	7
Ignite (glufosinate ammonium)**	10	NS
Sandea (halosulfuron)	2	1

NS – not stated

*Early spring or after harvest

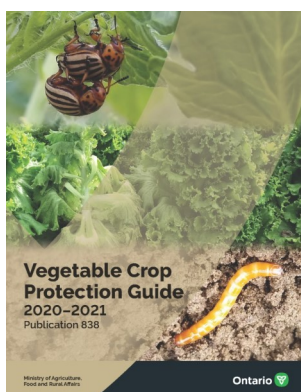
**May be used as a stale-seedbed technique – applied before direct seeded or established asparagus emerges

OMAFRA Crop Protection Guides Available



A number of OMAFRA publications have been updated and are now available for the 2020 growing season:

Publication 838 Vegetable Crop Protection Guide, 2020-2021



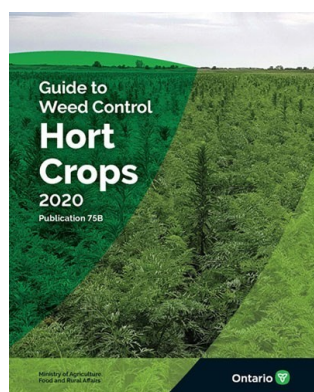
Available free online at Publication 838, Vegetable Crop Protection Guide(<http://www.omafra.gov.on.ca/english/crops/pub838/p838order.htm>)

This is an early release draft of this publication. The final English version will be posted when ready.

Publication 838 is the source of pest control information for commercial field vegetable production in Ontario. Easy-to-read tables provide information on pest control products for managing insects, diseases, and other pests of Ontario vegetable crops. Activity tables are included to summarize activity of the products on key pests.

Download your copy free online. Print copies should be available to order from ServiceOntario Publications in May at a cost of \$18 plus shipping and handling. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit omafra.gov.on.ca and click on 'Publications'. Given the current situation availability of print publications could be delayed.

Publication 75B: Guide to Weed Control Hort Crops, 2020



Available free online on the OMAFRA website(<http://www.omafra.gov.on.ca/english/crops/pub75/pub75B/pub75Btoc.htm>). Print copies available through ServiceOntario Publications.

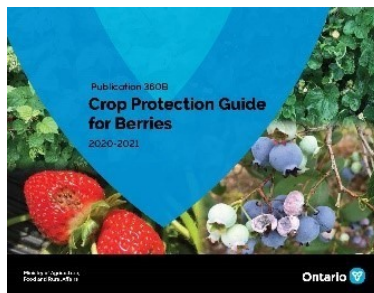
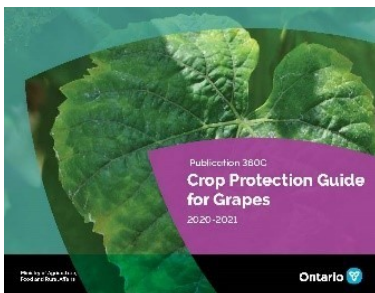
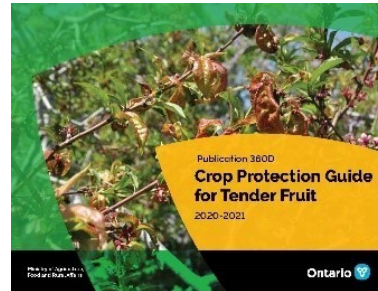
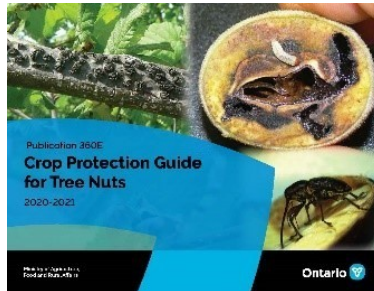
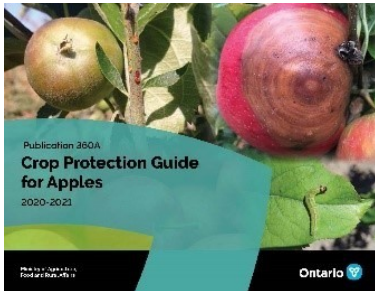
Publication 75B has been the definitive source of weed control information for more than 50 years. It has the latest information on managing weeds in all crop and agricultural situations. This guide contains:

- A number of new products and tank-mixes in various horticultural crops;
- Updated Weed Control Rating Tables;
- The latest information on confirmed populations of herbicide resistant weeds in Ontario.

Download your copy free online. Print copies can be ordered from ServiceOntario Publications at a cost of \$25 plus shipping and handling. Order number 300190. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit omafra.gov.on.ca and click on 'Publications'.

OMAFRA Crop Protection Guides Available...con't

Fruit Crop Protection Guides, 2020



Available free online at Fruit Crop Protection Guides 2020, Publication 360A, 360B, 360C, 360D, 360E (<http://www.omafra.gov.on.ca/english/crops/pub360/p360toc.htm>).

These are early release drafts of these publications. The final English versions will be posted when ready. Publication 360 is now offered as 5 stand alone crop publications: 360A Apples, 360B Berries, 360C Grapes, 360D Tender Fruit and 360E Tree Nuts. These publications provide pest control information for the commercial production of fruit crops. Pest management guidelines are presented in a calendar format and some publications include information on integrated pest management, thinning of tree fruit, plant growth regulators and nematodes. Technical information on products is easy to look up in the many tables in this publication.

Download your copy free online. Print copies of Publication 360A, 360B, 360C, 360D, 360E should be available to order from ServiceOntario Publications in May for \$10 each or \$35 kit of all 5 plus shipping and handling. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit omafra.gov.on.ca and click on 'Publications'. Given the current situation availability of print publications could be delayed.

Publication 75A: Guide to Weed Control Field Crops, 2020



Available free online on the OMAFRA website(<http://www.omafra.gov.on.ca/english/crops/pub75/pub75A/pub75Atoc.htm>).

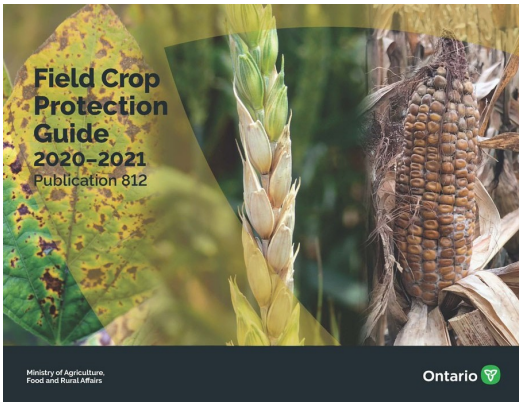
Publication 75A has been the definitive source of weed control information for more than 50 years. It has the latest information on managing weeds in all crop and agricultural situations. This guide contains:

- A number of new products and tank-mixes in various field crops;
- Updated Weed Control Rating Tables;
- The latest information on confirmed populations of herbicide resistant weeds in Ontario.

Download your copy free online. Print copies should be available to order from ServiceOntario Publications by late April at a cost of \$25 plus shipping and handling. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit omafra.gov.on.ca and click on 'Publications'. Given the current situation availability of print publications could be delayed.

OMAFRA Crop Protection Guides Available...con't

Publication 812: Field Crop Protection Guide, 2020-2021



Available free online on the OMAFRA website at Publication 812: Field Crop Protection Guide(<http://www.omafra.gov.on.ca/english/crops/pub812/p812toc.html>).

This publication is the source of pest control information for field crops. The easy-to-read tables provide information and comments on insect and disease control products for major field crops including integrated pest management options and threshold information for each insect and disease.

Download your copy free online. Print copies should be available to order from ServiceOntario Publications by late April at a cost of \$18 plus shipping and handling. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit [omafra.gov.on.ca](http://www.omafra.gov.on.ca) and click on 'Publications'. Given the current situation availability of print publications could be delayed.

Publication 835 Crop Protection Guide for Greenhouse Vegetables, 2020-2021



Available free online on the OMAFRA website at Publication 835 Crop Protection Guide for Greenhouse Vegetables(<http://www.omafra.gov.on.ca/english/crops/pub835/p835order.htm>).

Publication 835 is the source of pest control information for greenhouse vegetable crops. Easy-to-read tables provide information on products that are registered for management of pests and diseases. The publication provides guidance on how these products can be compatibly used with biological control agents in integrated pest management (IPM) programs.

Download your copy free online. Print copies should be available to be ordered from ServiceOntario Publications by late April at a cost of \$15 plus shipping and handling. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit [omafra.gov.on.ca](http://www.omafra.gov.on.ca) and click on 'Publications'. Given the current situation availability of print publications could be delayed.

OMAFRA Crop Protection Guides Available...con't

Publication 847 Crop Protection Guide for Ginseng, 2020

Available free online on the OMAFRA website at Publication 847 Crop Protection Guide for Ginseng (<http://www.omafra.gov.on.ca/english/crops/pub847/p847order.htm>).

This publication lists pest control products that are registered for use on ginseng in Ontario as of 2020.

Download your copy free online. Print copies can be ordered from ServiceOntario Publications at a cost of \$5 plus shipping and handling. Order number 300187. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit [omafra.gov.on.ca](http://www.omafra.gov.on.ca) and click on 'Publications'.

Publication 60: Field Crop Budgets, 2020

Available free online on the OMAFRA website at Publication 60 – Field Crop Budgets(<http://www.omafra.gov.on.ca/english/busdev/facts/pub60.htm>).

This annual publication is a management tool to estimate costs and evaluate cropping alternatives. You can use the sample costs as a guide to help you develop your production plans. The resulting estimate will assist in choosing a crop mix, setting target market prices and marketing strategies for your farm.

Download your copy free online. Print copies can be ordered from ServiceOntario Publications at a cost of shipping and handling. Order number 300187. Order online at Ontario.ca/publications(<https://www.publications.gov.on.ca/>) or by phone 1-800-668-9938 Toll-free across Canada. For a complete list of OMAFRA publications visit [omafra.gov.on.ca](http://www.omafra.gov.on.ca) and click on 'Publications'.