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## **Section 18 Label for Dual Magnum on Transplanted Tomatoes**

**John Wargowsky**

The Ohio Department of Agriculture has secured a Section 18 Crisis Declaration for use of S-Metolachlor (Dual Magnum) to control eastern black nightshade on transplanted tomatoes. The crisis dates are April 24, 2000 to July 15 2000. Growers must have a copy of the section 18 label in possession before application and are not required to sign the waiver of liability as required by the section 24c exemption for transplanted bell peppers, transplanted cabbage and dry bulb onions. Growers should contact their local dealer for a copy of this label and more detailed information. Thanks to the Ohio Department of Agriculture for their assistance in this matter.

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## **Dual Magnum, Supplemental labeling for special local need in Ohio**

**J. Wargowsky**

Do you grow transplanted bell peppers, transplanted cabbage or dry bulb onions? If so, you will be pleased to know that through the efforts of the Ohio Vegetable and Potato Growers Association (OVPGA), a special local need 24c registration (Dual Magnum) has been issued by the EPA and the Ohio Department of Agriculture for the above mentioned crops. The label requires crop owners to sign a Waiver of Liability and Indemnification Certificate before using the product. The OVPGA will handle the logistics of the signing of these documents, which are required by the EPA and Novartis, the marketer of Dual Magnum. The herbicide provides a broader spectrum of weed control and better control of black nightshade and yellow nutsedge in the above mentioned crops.

**A copy of the label must be in the possession of the user at the time of application. Valid OVPGA members, who have paid the annual membership fee, must pay a \$50.00 per year label handling fee for Dual. Non OVPGA members must pay an additional \$35.00 membership fee, a total fee of \$85.00. The Waiver of Liability and Indemnification form will be supplied by OVPGA.**

**The crop owner must provide a completed, signed and notarized Waiver of Liability and Indemnification to OVPGA for authorization. Use of Dual Magnum, on the above mentioned crops, without label and the authorization mentioned above is misuse of Dual under the Special Local Need Labeling. If you desire to use Dual Magnum on the above crops, contact the Ohio Vegetable and Potato Growers Association at 614-249-2424 or PO Box 479, Columbus, OH 43216-0479 or [growohio@ofbf.org](mailto:growohio@ofbf.org). Processing of signed paperwork will be accomplished quickly.**



## **Sweet Corn Weed Management Update**

**D.J. Doohan,  
Weed Extension Specialist,  
OSU/ OARDC - Wooster)**

### **Prowl 3.3 EC**

**Prowl 3.3 EC has just received a federal registration for use on sweet corn. 2000 will be the first season of use in Ohio and growers should proceed, cautiously. Prowl has some definite advantages for Ohio growers. It is very effective on annual grasses. However, its most valuable contribution to sweet corn weed management is control of common lamb's quarters and pigweeds, including triazine resistant biotypes. Because Prowl is moderately persistent, good residual control can be expected. Combinations, or sequential applications with other herbicides labelled on sweet corn are necessary for complete weed control. Prowl is only moderately effective on velvetleaf and smartweeds and does not control ragweed or mustards. Tank-mixing with atrazine, or a sequential application following preemergence atrazine, should be a good fit for most. Prowl only works preemergence on weeds, so most will want to spray as soon as the corn is out of the ground. Later applications might fit following cultivation, or following an application of Basagran which was used to control earlier germinating triazine lamb's quarters and pigweed.**

**Why proceed cautiously? Prowl can cause very serious crop damage. Damage may be very visible (ie severely stunted plants with little or no roots) or may only be manifested by a delay in maturity. Label instructions for using Prowl on sweet corn have been written to minimize likelihood of crop damage. Prowl can be applied from very early postemergence (ie spike leaf stage) until the corn is 20 to 24 inches tall or has 8 visible collars, whichever occurs first. Do not apply Prowl preplant incorporated or prior to crop emergence! Do not apply with liquid fertilizer as the carrier. Other 'rules of thumb' that are important in minimizing sweet corn injury with all soil applied, grass control herbicides include; plant seed deep (at least 1.5 inches) into a well prepared and firm seedbed, plant into moisture instead of attempting to irrigate the crop up, and make sure that the furrow is completely closed.**

### **Permit**

Permit was registered for use on sweet corn late in 1999 and is one of the very best materials available for yellow nutsedge. Applied postemergence to the crop and to weeds, Permit has been used on field corn for a couple of seasons. Tolerance has generally been very good, but there have been a few instances of damage, especially when application occurred during very hot weather. Sweet corn variety response has not been determined and any crop injury arising from the use of Permit on sweet corn is the responsibility of the user. Do not use Permit on the variety Jubilee. Do not use on sweet corn treated with soil applied organo-phosphate insecticides and do not apply any organo-phosphate insecticides within 7 days before or 3 days after Permit.

OSU research is underway to determine tolerance of 15 popular varieties to Permit and data from this study will be available for the 2001 use season. As with Prowl, combinations with other registered herbicides are needed to obtain complete weed control. Permit does not control lamb's quarters but should be effective on triazine resistant pigweed and ragweed.



## Crop Reports

W. B. Evans

### NorthCentral

Just under an inch of rain fell over Celeryville Monday (5/1/00) afternoon and evening. Soils are in the low 50s and corn planting (sweet and field) began last week. Some cutworm moths are being trapped at the branch. Flea beetle damage has been seen on greens and radishes. Potato leaf hopper also are present. The upcoming warm weather will be welcome after a month of cool weather. The cool weather has slowed the growth of early plantings and delayed some later plantings in an effort to avoid having all the plantings mature at the same time. At the branch, we have planted parsley for carrot weevil and septoria studies, radishes for a cultivar study and a foliar nutrient study, radishes and green onions for maggot control, celery for resistance research, and carrots for minor-use label research.



## Death Notice

J. Wargowsky

We are saddened to inform you that Gary Buurma of Buurma Farms passed away this past weekend. Contributions in memory of Gary can be sent to:

The Celeryville Christian School,  
4200 Broadway,  
Celeryville, OH 44890.

For more information on contributions, call: 419-935- 3633.



## The 7 Day Outlook\*

**AKRON-CANTON**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	56 77	57 84	60 81	60 77	54 70	46 66
WIND	6 8	5 8	5 8	6 9	7 11	7 11
PREC						
PROB 24	57	28	35	40	47	44

**CLEVELAND**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	55 78	59 83	60 81	59 76	54 69	46 66
WIND	6 7	5 8	5 8	6 8	6 9	6 8
PREC						
PROB 24	55	28	36	42	47	43

**COLUMBUS**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	58 78	58 86	61 83	61 79	53 72	48 69
WIND	3 6	3 6	3 7	4 7	5 8	5 7
PREC						
PROB 24	56	29	35	39	44	40

**CINCINNATI**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	59 79	61 85	62 82	61 78	55 72	51 73
WIND	6 8	5 8	5 9	6 10	8 10	7 9
PREC						
PROB 24	54	30	36	37	42	36

**DAYTON**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	59 77	60 84	62 82	60 78	54 70	47 70
WIND	5 7	4 7	5 7	5 8	7 10	6 8
PREC						
PROB 24	53	30	36	39	43	37

**TOLEDO**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	56 81	58 83	60 82	58 76	52 70	46 67
WIND	5 8	4 8	5 9	7 10	7 11	7 10
PREC						
PROB 24	47	29	38	44	46	39

**YOUNGSTOWN**

DAY DATE	FRI 05	SAT 06	SUN 07	MON 08	TUE 09	WED 10
TEMP						
MIN/MAX	58 76	55 85	60 83	58 77	52 70	45 66

WIND		6	6		5	6		6	7		5	7		6	9		6	8		
PREC																				
PROB 24		59			28			35			40			47			45			

\* **LEGEND:**

**TEMP MIN/MAX** - forecasted minimum and maximum temperature for time periods midnight to noon and noon to midnight.

**WIND** - MEAN WIND SPEED (KTS) FOR TIME PERIODS periods midnight to noon and noon to midnight.

**PREC. PROB. 24** - probability of precipitation for the 24 hour period.



## What's New At The VegNet Web Site

### ● Pumpkin Production Chart

Originally available only in the print version of the 2000 Ohio Vegetable Production Guide, this WEB version can be found in "The Pumpkin Patch" The chart is a quick guide and timeline to key factors necessary for a successful pumpkin crop.

### ● Another NEW! VegWeb Fact Sheet.

Table on Susceptibility of sweet corn hybrids to Stewart's Bacterial Wilt as rated by Jerald Pataky (Univ. of Illinois). Adapted by Dr. Celeste Welty, Extension Entomology, OSU Columbus. This table was published in last week's VegNet Newsletter. A WEB edition is now available from the VegNet homepage. More information on Stewart's wilt and its history in Ohio will be available soon.

### ● Vegetable Faculty WEB Pages.

Dr Matt Kleinhenz has recently posted his faculty webpage. At the site you can find his research projects, results and review his presentations made this past winter. A link from VegNet will be provided soon. To visit Matt's homepage, go to:

<http://www.oardc.ohio-state.edu/kleinhenz/>

● From Dr. Brent Rowell, Univ of KY,  
email: browell@ca.uky.edu

Our new KY Vegetable Recommendations book is on the web now. A print version is also available. The introductory section on marketing might be of interest to southern OH tobacco growers.

<http://www.ca.uky.edu/agc/pubs/id/id36/id36.htm>

The marketing section is also available as a separate publication.

<http://www.ca.uky.edu/agc/pubs/id/id134/id134.htm>

● [Visit: "The Library, Online Edition of the 2000 OH Vegetable Production Guide, NOW AVAILABLE."](#)

The OH Vegetables Production Guide ranks #22 in top downloads from OSU Extension Ohionline with over 1,000 downloads. Most of the new features are available in the online edition including the New Insecticide Efficacy tables. The new Pumpkin Production Chart is not there but I hope to have it posted soon in "The Pumpkin Patch" section of the VegNet website.

● NEW! VegWeb Fact Sheets.

This new feature offers some valuable information on certain aspects of vegetable production that you can print out directly in your home or office. The first two are by Dr. Mac Riedel, OSU Plant Pathology, and are available from the VegNet homepage.

- Fungicides Labeled for Pumpkins  
Confused by the many new fungicides now available for pumpkins. Check out this fact sheet to see how to use these fungicides.
- Fungicide Activity For Control of Tomato Diseases Which fungicide is best for a particular tomato disease.

[Available from the Vegetable Crops Homepage, Click Here!](#)

● The 1999 Pumpkin Review and Slide Show.

Yield Data plus pictures of pumpkin cultivars from this year's trials. Also, see pumpkin varieties rated for powdery mildew resistance. There are many new and interesting pumpkin varieties in all size categories.

[Visit: 'The Pumpkin Patch' for pictures and yield data.](#)

● The 1999 Green Pepper Evaluation and Slide Show.

[Yield Data Slide Show](#) From The Muck Crops Branch at Celeryville,

● From The Enterprise Center

- **Comparison of Disease Control on Fresh Tomatoes using TOMCAST and SKYBIT to Time Fungicide Applications.**
- **Evaluation of WaterMelon Cultivars for Southern Ohio, 1999**
- **1999 Ornamental Corn Evaluation**
- **Evaluation of Eastern Style Muskmelons for Southern Ohio, 1999**

[Link To Research Summaries From The Enterprise Center at Piketon.](#)



[Return to Vegetable Crops Homepage | Ohio State](#)

[University Extension](#)

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We appreciate very much the financial support for this series of vegetable reports which we have received from the board of growers responsible for the Ohio Vegetable and Small Fruit research and Development Program. This is an example of use of Funds from the "Assessment Program".

Where trade names are used, no discrimination is intended and no endorsement by Ohio State University Extension is implied. Although every attempt is made to produce information that is complete, timely and accurate, the pesticide user bears the responsibility of consulting the pesticide label and adhering to those directions.

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