

HERBICIDE UPDATE, Dual MAGNUM (S metolachlor)
D. Doohan

Transplant tomatoes

A Section 18 emergency exemption has been approved by the USEPA for Dual MAGNUM use on transplant tomatoes in Ohio. The exemption was granted for control of eastern black nightshade and covers the period from April 16 through July 5, 1999.

The following important points should be remembered.

The grower must have a copy of the Section 18 label for Dual MAGNUM.

The previous Section 18 for Dual 8E has expired and this Dual 8E must not be used. APPLICATION METHODS and RATES: Apply preplant incorporated, preplant before transplanting, directed between rows where plastic is used, post-directed or post-over-the-top of transplants after the first soil-settling rain or irrigation. Use a minimum of 20 gallons of water/A with post emergence applications. On coarse soils apply 1.0 to 1.33 pt/A if organic matter is less than 3% or 2.0 pt/A if organic matter is 3% or above. On medium soils apply 1.33 to 1.67 pt/A. On fine soils apply 1.33 to 1.67 pt/A if organic matter is less than 3% or 1.67 to 2.0 pt/A if organic matter is 3% or above.

For varieties of unknown tolerance to Dual MAGNUM treat only a small area to determine safety. Dual MAGNUM may damage transplants that have been weakened by any cause. Do not plant when wet, cool or unfavorable growing conditions exist. Preharvest interval is 90 days.

All other applicable label directions, restrictions and precautions must be observed.

Dry Bulb Onions, Transplanted Cabbage and Bell Peppers

A Section 24 (c) Special Local Need Label has been approved for Dual MAGNUM for the above crops. The registration number is SLN No. OH-990001. This is a third party liability registration and a Waiver of Liability must be completed and provided to the Ohio Vegetable and Potato Growers Association along with a designated fee, prior to any use.

DRY BULB ONIONS Apply Dual MAGNUM at the two true leaf stage at rates of 0.67-1.33 pt/A, depending on soil type. A second application may be required on soils with more than 5% organic matter.

TRANSPLANTED CABBAGE - Apply preplant or postplant within 48 hours after transplanting. Use 0.5 to 1.33 pt/A, depending upon soil type.

TRANSPLANTED BELL PEPPERS - Apply preplant or postplant within 48 hours after transplanting. Use 0.5 to 1.0 pt/A, depending upon soil type.

Observe a 60 day PHI with each crop.

Crop Reports
B. Bergefurd, and T. Harker

SouthWest (May 5).

Fields are beginning to get dry and the forecast of rain is welcomed. Flea beetle pressure has become VERY heavy on early planted , Bare Ground, sweet corn with some growers making insecticide applications. It seems the pressure is not as severe on the taller plastic corn. Plastic on early planted sweet corn had to be split open over the past weekend with some growers reporting some burning and death of plants from to high of temperatures. Most plastic is not split until the middle to the end of May. Warm season weeds are beginning to show. Transplanting of tomatoes , sweet corn, beans and squash and cucumbers continues. Processing pepper planting is to begin next week. Field work and preparation continues. Cucumber beetle has been spotted on early squash plantings.

The 7-10 Day Outlook*

Temperature:

From 07 MAY to 12 May, the mean surface temperature will be 60-70 degrees F for all of OH except the northern two tiers of counties will be 50 to 60 degrees. From 12 May. to 17 May, the mean surface temperature will range 60 to 70 degrees for all of OH.

Precipitation:

From 07 MAY to 12 May, expect less than 0.1 inches for all of OH except the extreme southeast and eastern counties where there should be 0.1 to 0.25 inches. From 12 May. to 17 May, expect 0.5 to 1.0 inches in the extreme northwest and eastern counties. Expect about 1.0 inches in a band from the northcentral counties to Columbus and to southern and south- western counties.

AKRON-CANTON

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 48 63| 48 72| 51 75| 53 74| 53 74| 52 72|

PREC PROB

24 HRS | 37 | 18 | 25 | 38 | 38 | 43 |

CLEVELAND

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 48 65| 48 71| 51 72| 52 73| 52 72| 52 72|

PREC PROB

24 HRS | 37 | 17 | 27 | 39 | 38 | 42 |

COLUMBUS

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 50 67| 50 75| 55 77| 56 77| 54 76| 54 75|

PREC PROB

24 HRS | 33 | 15 | 29 | 38 | 37 | 40 |

CINCINNATI

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 50 72| 54 78| 58 78| 59 79| 58 75| 55 77|

PREC PROB

24 HRS | 30 | 14 | 34 | 39 | 36 | 39 |

DAYTON

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 50 67| 50 74| 55 76| 56 76| 55 74| 54 74|

PREC PROB

24 HRS | 31 | 14 | 33 | 40 | 37 | 39 |

TOLEDO

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 47 69| 48 70| 50 74| 52 73| 51 74| 51 73|

PREC PROB

24 HRS | 32 | 14 | 34 | 42 | 38 | 41 |

YOUNGSTOWN

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 51 63| 45 71| 49 76| 50 74| 51 75| 51 72|

PREC PROB

24 HRS | 40 | 20 | 23 | 36 | 38 | 43 |

WEST VIRGINIA CHARLESTON

DAY DATE | SUN 09| MON 10| TUE 11| WED 12| THU 13| FRI 14|

TEMP

MIN/MAX | 54 72| 53 79| 56 83| 58 83| 58 81| 56 79|

PREC PROB

24 HRS | 40 | 21 | 23 | 35 | 50 | 42 |

* LEGEND:

TEMP MIN/MAX - forecasted minimum and maximum temperature
for time 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

Research Reports

1998 se Sweet Corn Variety Trial

1998 Fresh Market Cabbage Cultivar Evaluation

1998 Fresh Market Vegetable Reports from the Enterprise Center at Piketon.

1998 Colored Pepper Cultivar Trial

1998 Fresh Market Tomato Cultivar Evaluation

Evaluation of Eastern Style Muskmelons for Southern Ohio, 1998

Mechanical Harvesting Regimes for Processing Bell Pepper Production in Ohio

From The Vegetable Crops Planner: Links now provided to the National Weather Service Offices in Cleveland and Wilmington, OH. Provides Agricultural Observations, soil temperatures, climate summaries, growing degree days and much more.

1999 Ohio Vegetable Production Guide - Online. Visit: "The Library

>> 1998 Pumpkin Yield Data is Here!...Plus the First Set of Pumpkin Pictures

See how your favorite varieties performed.

Check out new varieties.

View Powdery Mildew Tolerance ratings

plus the effects of spray programs on pumpkin production. More pumpkin pictures coming.

Return to Vegetable Crops Homepage Ohio State University Extension

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