

# Vegetable Crop Update

Cucurbit Edition

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## "In This Issue"

- Cucurbit Downy Mildew Confirmed in Ohio

## Cucurbit Downy Mildew Confirmed in Ohio

Cucurbit Downy Mildew was confirmed on June 14<sup>th</sup>, 2012 in a cucumber field in Wayne County, Ohio. This significantly increases the risk of infections occurring here in Ontario. All cucumber growers should begin a preventative fungicide program immediately. Use one of the recommended targeted downy mildew fungicides every 7-days.

DO NOT WAIT UNTIL YOU SEE SYMPTOMS TO SPRAY. Unprotected crops are at the highest risk of experiencing serious losses to this disease.

### Targeted Downy Mildew Fungicides

*cyazofamid + surfactant* (Ranman 400SC)  
*propamocarb/ chlorothalonil* (Tattoo C)  
*fluopicolide + chlorothalonil* (Presidio + Bravo 500)



While watermelons, pumpkins, zucchini and squash are somewhat more resistant to downy mildew; growers of these crops should still follow a 7-10 day preventative spray schedule using broad spectrum fungicides.



### Broad Spectrum Fungicides

*Chlorothalonil* (Bravo 500, Echo 720)  
*Mancozeb* (Dithane DG, Penncozeb 80 WP, Manzate Pro-stick)



Where the crop is still small (pre-vining), a banded application will significantly reduce the cost of these treatments. Use the following equation to calculate the amount of fungicide required for a banded application:

Total Field Acreage	x	$\frac{\text{Band Width}}{\text{Row Spacing}}$	= Treated Acreage
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Always rotate between fungicides from different chemical families. Do not make sequential applications of any one fungicide.

- Use a minimum spray volume of 30-60 gallons per acre.
- Apply a preventative fungicide **before** a rainfall event
- Apply a preventative fungicide **prior** to overhead irrigation.

For more information on the management of cucurbit downy mildew, visit the OMAFRA 2011 Downy Mildew Control Strategy at <http://bit.ly/ONcdm2011>.

**Questions? Comments?**  
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