

STATEWIDE DOWNY MILDEW SPRAYS RECOMMENDED

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Downy mildew fungicide sprays should be applied to all cucumbers in the state immediately! Fungicides should be applied to cucumbers every FIVE (5) to SEVEN (7) days.

Pumpkins, melons, cantaloupes, squash, zucchini, and gourds should also be protected with downy mildew fungicides. Fungicides to these crops should be applied every SEVEN (7) to TEN (10) days.

Table 1. Recommended products for managing downy mildew on cucumber and all cucurbits.

APPLIED BEFORE DISEASE (7-day intervals)	APPLIED AFTER DISEASE (5-day intervals)
<ul style="list-style-type: none">• Gavel 75WG (5 day PHI)• Previcur Flex 6SC (2 day PHI)• Ranman 3.6SC (0 day PHI)• Tanos 50WG (3 day PHI)	<ul style="list-style-type: none">• Previcur Flex 6SC (2 day PHI)• Ranman 3.6SC (0 day PHI)• Tanos 50WG (3 day PHI)
Alternate products and mix each with either: <ul style="list-style-type: none">• Dithane (mancozeb) 3 lb or• Bravo (chlorothalonil) 1.5 pt	Alternate products and mix each with either: <ul style="list-style-type: none">• Dithane (mancozeb) 3 lb or• Bravo (chlorothalonil) 2 pt

USE FUNGICIDES PROVEN TO WORK ON CUCUMBERS IN MICHIGAN! Over the last two years, many fungicide trials have been conducted in Michigan to determine the most effective spray programs. If you use only the recommended downy mildew fungicides at the prescribed spray interval, you will be protected from this potentially devastating disease. Do not use products that are not on this list based on promises from sales staff.

DOWNY MILDEW CONFIRMED IN MICHIGAN

Downy mildew on cucumber was confirmed on June 25 in a homeowner's garden in Monroe County. This garden has since been destroyed. There is also a suspect downy mildew case in Monroe County with a commercial cucumber grower. In this case, downy mildew fungicides had not been applied to this field. This site was confirmed with downy mildew on June 26.

These cases appear to be the result of relatively new infections that have become established within the last 7-14 days. A weather event may be responsible for the nearly simultaneous downy mildew outbreaks in Michigan, Ohio, and upstate New York. In the latest spore trap readings, the downy mildew counts have taken a jump in at least one county. Additional counts are pending and this information will be made available on the downy mildew website associated with my homepage.

If you suspect downy mildew please have it confirmed either through my lab (517)355-4576 or through Dr. Jan Byrne at MSU Diagnostics (517)355-3504. To better understand this downy mildew, my laboratory is collecting diseased plants for further analysis. If a sample cannot be sent to the lab, please call and arrangements will be made to pick it up.