

VegNet Vol. 12, No. 17. August 26, 2005
Ohio State University Extension Vegetable Crops
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Downy Mildew Makes a Return Visit

Downy mildew is again reported on pumpkins in central OH and other vine crops in northern OH. Reports of the presence of this disease are also coming in from MI and KY. While mostly a foliar disease, it can move quickly causing death of the leaves and rapid defoliation which exposes the fruit to sunscald. Loss of foliage will also cause reductions in both fruit quality and quantity in vine crops.

A period of at least 6 hours of 100% relative humidity at the leaf surface is required for production of the sporangia which can occur at temperatures from 41 to 86 degrees F. Optimum conditions for disease development are between 59 to 70 degrees F.

Pictures and description of symptoms of both downy mildew and powdery mildew appear in the July 20th online version of this newsletter:

<http://vegnet.osu.edu/news/vnew1405.htm>

For control recommendations, visit the online edition of the Ohio Vegetable Production guide at: <http://ohioline.osu.edu/b672/>

Moth trapping by C. Welty

Charts that summarize the number of moths caught in pheromone traps by Ohio cooperators are now posted on the VegNet website (<http://ohioline.osu.edu/~vegnet/vegipm.htm>). The charts show data as of the end of last week. The charts will be replaced weekly by updated data.

Corn earworm activity has increased greatly across Ohio, with high moth catch in Meigs County (56 moths), Franklin County (43 moths), Huron County (10 moths) and Sandusky County (37 moths). Sweet corn growers are advised to treat silking corn on an increased schedule, as outlined in the Vegetable Production Guide.

Beet armyworm has been detected at moderate numbers all summer in Meigs County, but just increased sharply to 129 and 104 moths in two traps. Pepper and tomato growers are advised to scout fields for evidence of early larval feeding.

Crop Reports

Southeast Ohio 8/23/05 by Hal Kneen

Insect report All traps now in Racine.

Beet army worm green/yellow canister traps

Trap A August 18-20 60 moths, August 20-23 69 moths, for a total of 129.

Trap B August 18-20 46 moths, August 20-23 58 moths, for a total of 104.

Corn earworm August 18-20 20 moths, August 20-23 36 moths, for a total of 56.

No European corn borers in either New York or other lure.

Still dry. One half inch to three quarter of rain occurred between Thursday- August 18 through Saturday, August 20. Very scattered showers. Most summer vegetables harvested. Some fields being gleaned by food banks. Later summer plantings of tomatoes, green peppers, cucumbers are growing under irrigation. Need cooler temperatures and natural rainfall. temperatures cooled down Tuesday A.M. August 23, mid sixties for the low. Temperatures over the weekend were hot, ninety plus and humid.

Disking under vegetable stems and fruit. preparing for cover crops if rain arrives..