
What to be on the lookout for...

Cucurbit downy mildew

CDM was confirmed on cucumbers in Franklin County, MA this Wednesday. Cucumbers and cantaloupes are most at-risk. Growers should continue to include targeted fungicides in their spray programs. For spray recommendations, see [the last week's pest alert](#).



Cucurbit downy mildew on upper side and underside of cucumber leaf

Sweet corn pests:

Fall armyworm

Watch out for fall armyworm in whorl stage and emerging tassel stage corn. Four FAW moths were captured this week in Berlin. In whorl stage corn, caterpillars produce ragged feeding damage to leaves and masses of sawdust-like excrement.

Scout whorl and emerging tassel stage corn by checking 100 plants in groups of 10 or 20 in a V or X pattern across the field. Avoid checking only field edges and select plants randomly, not only where you can see damage. A plant is 'infested' if at least one caterpillar is found. If feeding damage is old and no larva is found, the caterpillar may have left the plant to pupate in the soil. A control is needed if 15% or more of plants are infested with FAW.

In emerging tassels, combine counts for ECB and FAW. For example, if 10% of plants

have FAW and 12% have ECB, the combined infestation is 22%, above the 15% threshold.

University of Delaware recently evaluated a non-replicated trial and found Avaunt and Intrepid Edge were the best at reducing Fall armyworm, followed by Besiege, and last by Lannate + Warrior. See <https://nevegetable.org/crops/insect-control-6> for more spray options.

Corn earworm

Trap capture was 4.6 moths/night this week in a farm in Berlin; 1.3 moths/night in Glasstonbury, 3 to 27/night in Shelton, keeping all these farms on 4 to 3 days spray interval.

Table. Spray Intervals for Corn Earworm based on moth captures in Heliothis net traps.

Moths/Night	Moths/Week	Spray Interval
0 - 0.2	0 - 1.4	no spray
0.2 - 0.5	1.4 - 3.5	6 days
0.5 - 1	3.5 - 7	5 days
1 - 13	7 - 91	4 days
Over 13	Over 91	3 days

Baythroid XL and Besiege have found to be effective in controlling CEW. Pyrethroids should not be relied upon by themselves for ear protection because of pyrethroid resistance. They can be mixed with spinosads. See <https://nevegetable.org/crops/insect-control-6> for other spray options.

European corn borers

ECB are continuing to be trapped, but in low numbers (1 NY strain moth/trap/week in Berlin and 2% damage in the field (threshold is 15%); 0 in Glastonbury; and 1 in Shelton).

Continue to be othe lookout for

- Verticillium wilt in eggplant and tomatoes
- Black rot of brassica
- Cercospora leaf spot of beet
- Plectosporium blight of cucurbit
- Phytophthora in cucurbits and peppers
- Squash vine borers
- Leaf mold in tunnel tomatoes
- Early blight of tomatoes and potatoes
- Bacterial canker in tomatoes

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Thanks for reading!

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related questions!**

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