UMass Extension

UMass Extension Vegetable Program
ag.umass.edu/vegetable

Pest Scouting Calendar

APRIL

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	**Action** – See NE Veg Mgmt Guide for recommendations
Week 1					
Week 2					
Week 3	**Brassicas** – Flea Beetle		Scout for overwintered adults in crop	Plants <12": avg 1 FB/plant OR damage >10% of leaf	
Week 4					

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MAY

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	Action – See NE Veg Mgmt Guide for recommendations
Week 1	Alliums – Allium leafminer		Scout for oviposition scars in lines along foliage, and larvae and pupae within leaves.		
	Brassicas – Cabbage root maggot		Scout throughout May. Set up sticky cards to monitor adult emergence. Scout for eggs at base of plants	1st eggs, 1 egg/stem, 10% with eggs	
	Various – Seedcorn maggot		Set up sticky cards to monitor adult emergence. Scout for eggs at base of plants.		
	Alliums – Onion maggot		Set up sticky cards to monitor adult emergence. Scout for eggs at base of plants.		
Week 2	Sweet corn – European corn borer		Scout for 1st gen caterpillars in tassels. Set up pheromone traps for monitoring.	Pre-tassel to green tassel: >15% have 1+ caterpillars or show fresh feeding damage. Silking: Spray weekly if corn is >1 week from harvest and trap captures are >12/week.	
	Cucurbits – Striped cucumber beetle		Scout for overwintered adults in crops.	Before 5-leaf stage: Cucumber, summer squash (1/plant); winter squash, pumpkin (2/plant)	
Week 3	Chenopods – Leafminer		Set up sticky cards to monitor adult emergence. Scout for eggs on undersides of leaves.	Sprays should target hatching eggs.	
	Solanaceous – Flea beetle		Scout for 1st gen adults in crop.	Eggplant: new transplants (2/plant); 3-6" tall (4/plant); >6" tall (8/plant)	
	Various – Potato leafhopper		Scout for stationary nymphs on undersides of leaves. Brush plants to scout for flying adults.	Potato: 1 adult/plant or 1 nymph/3 leaves	
	Brassicas – Imported Cabbageworm		Scout for caterpillars and eggs on undersides of outer leaves.	Leaf greens or after head formation: 15% w 1+ caterpillars. Before head formation: 35% w 1+ caterpillars.	
Week 4	Allium – Onion thrips		Scout for adults and nymphs in base of central leaves.	Varies with plant stage and efficacy of pesticide to be used. 1-3 thrips/leaf or 30/plant.	

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JUNE

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	Action – See NE Veg Mgmt Guide for recommendations
Week 1	Brassicas – Cabbage aphid		Scout for adults on undersides of leaves.	>10% with aphids	
	Sweet corn – Western bean cutworm		Scout for caterpillars in silk and eggs in uppermost 3-4 leaves.		
Week 2	Potato, eggplant – Colorado potato beetle		Scout for overwintered adults in crop, 1st gen eggs on undersides of leaves.	SL = small larvae; LL = large larvae. Eggplant: <6" (2SL or 1LL/plant); >6" (4SL or 2LL/plant). Potato: 0.5 adults, 4SL, or 1.5 LL/plant or /stalk	
	Cucurbits – Squash bug		Scout for adults in and on crop, and egg masses on undersides of leaves.	Treatment is warranted when 1 egg mass per plant is observed. Egg laying occurs for several weeks and nymphs hatch from eggs during mid-July.	
	Solanaceous – Flea beetle		Scout for feeding damage and adults in foliage	Thresholds: 2/plant on newly set transplants; 4/plant on 3-6" seedlings; 8/plant on plants >6" tall	
Week 3					
Week 4	Brassicas – Diamondback moth		Scout for caterpillars and eggs on undersides of outer leaves.	Leaf greens or after head formation: 15% w 1+ caterpillars. Before head formation: 35% w 1+ caterpillars.	
	Bean – Mexican bean beetle		Scout for adults, eggs, and larvae on undersides of leaves.		If MBB has been a problem in the past, plan to release *Pediobius* to control 1st generation.

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JULY

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	Action – See NE Veg Mgmt Guide for recommendations
Week 1	Pepper – Pepper maggot		Set up sticky cards to monitor adults. Scout for oviposition scars on fruit.		
	Potato, eggplant – Colorado potato beetle		Scout for 2nd gen larvae.	<6" (2SL or 1LL/plant); >6" (4SL or 2LL/plant)	
	Cucurbits – Squash vine borer		Scout for eggs and 'sawdust' from larvae tunneling at base of plant.		
	Sweet corn – Corn earworm		Scout for eggs in silk, caterpillars in ears. Set up pheromone trap.		
Week 2	Various – Scarab beetles				
	Sweet corn – Sap beetle		Scout for adults and larvae in ear tips.	10% infestation	
	Sweet corn – Fall armyworm		Scout for caterpillars. Set up pheromone trap.	>15% plants with 1+ caterpillars. In emerging tassels, combine counts for ECB and FAW.	
Week 3	Various – Spotted wing Drosophila				
	Solanaceous – Flea beetle		Scout for 2nd gen adults in crop.		
	Brassicas – Cabbage looper		Scout for eggs and caterpillars on undersides of outer leaves.	Leaf greens or after head formation: 15% w 1+ caterpillars. Before head formation: 35% w 1+ caterpillars.	
Week 4	Tomato – Tomato hornworm		Scout for caterpillars and damage in crop.		

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AUGUST

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	Action – See NE Veg Mgmt Guide for recommendations
Week 1					
Week 2					
Week 3	Brassicas – Cross-striped cabbageworm		Scout for eggs and caterpillars on undersides of outer leaves.	Leaf greens or after head formation: 15% w 1+ caterpillars. Before head formation: 35% w 1+ caterpillars.	
Week 4					

Pest Scouting Calendar

SEPTEMBER

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	Action – See NE Veg Mgmt Guide for recommendations
Week 1					
Week 2	Alliums – Allium leafminer		Scout for oviposition scars in lines on foliage, and larvae and pupae within leaves.		
Week 3					
Week 4					

Pest Scouting Calendar

OCTOBER

	Crop-Pest	Observed Date	Scouting	Treatment Threshold	Action – See NE Veg Mgmt Guide for recommendations
Week 1					
Week 2					
Week 3					
Week 4					