

Rutgers Master Gardener IPM Team Report Observation Chart: Insect Pests, Diseases and Cultural/Environmental Issues 2019 through 2024

The chart below shows the first sighting of each problem observed by the Morris County Rutgers Master Gardener Integrated Pest Management (IPM) team between 2019 and 2024. This history data of past sightings helps gardeners know when to watch for specific pests and when to take preventative actions such as row covers.

The IPM Team regularly inspects plots in Morris County, NJ community gardens to identify insects, diseases, and environmental/cultural problems. Issues found are researched by the team, using science-based university or Extension sources, and reviewed by Extension faculty and staff. The team prepares timely biweekly reports throughout the growing season to provide community gardeners with alerts of potential issues. These reports feature photos to help the gardeners recognize the problems along with research-based control and management techniques, references, and appropriate cultural practices.

		2019	2020	2021	2022	2023	2024	multi-	year																		
2024 Week of	first date	3/31	4/7	4/14	4/21	4/28	5/5	5/12	5/19	5/26	6/2	6/9	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22
Whiteflies	overwin	<mark>Overwi</mark>	<mark>in</mark> tered	20/21/	22/23/2	4	2019																				
White grubs	3/31	20/21/24	4 22/23				2019																				
Imported Cabbageworm (adults)	4/4	20/23	2021			19/24			2022																		
Cutworms	4/6	2021							2020																		
Allium Leaf Miners	4/10		22/23	20/24	2021	2019																					
Cold damage to plants	4/12		2020		2023	2019																					
Leaf Miner eggs	4/17			2023			2024																				
Flea Beetles	4/19			2020	22/23	19/21/	24																				
Asparagus Beetles	4/24				19/20/2	1/23/24	2022																				
Standing water	4/29					2019																					
Cold damage to strawberry blossoms	5/3					2022																					
Cercospora Leaf Spot disease on beets	5/6						2019			2024	2020	2021	2022				2023										
Imported cabbageworm eggs	5/6						2024																				
Aphids	5/8						21/23		20/24	2022			2019														
Spittlebugs	5/8						2023	22/24	2019		2020																
Imported Cabbageworm (larvae)	5/13							2024	20/22																		
Diamond back moth caterpillar	5/13							2024																			
Colorado Potato Beetle adults	5/14						20/21	/22/23	2024	2019																	
Three Lined Potato Beetles (adult and eggs)	5/15							2023	21/2/4		19/22																
Sow Bugs and Pill Bugs	5/15						2024	22/23																			
Four Lined Plant Bug	5/15							2022	2024				20/23														
Earwigs	5/15							2022		23/24	2021																
Leaf Miners	5/6					21/	22/24	2023	2020		2019																
Harlequin Bugs	5/17							2022								2024	2023										

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Sod Webworm	5/18							2020																			
Rhubarb disease, Ramularia rhei	5/21							21,	/23/24																		1
Rhubarb Curlicio	5/22																										1
Sunscald on strawberries	5/22								2024																		1
Sunscald on beans plants	5/22								2024																		1
Sunscald on tomato plants	5/22																										1
Slugs	5/23								2021	2023	2024																1
White Rot disease in garlic	5/25								2024			21/22	2020	2023													1
Strawberry leaf spot disease	5/27									2019	2020		2022														1
Tomato disease, Early Blight / Septoria	5/27									2024	19/20/	22	2021		2023												1
Cross Striped Cabbageworm (eggs)	5/27									2024	20,	/21/22					2023										1
Pepper disease, Bacterial Leaf Spot	5/29										2022	21/23	19/20														1
Spotted Lanternfly nymphs	5/29									2023	2022																
Basil Downy Mildew disease	5/30									2022	2024			2021		19/23					2020						
Mexican Bean Beetles	5/31									2024			2021		20/22			2023									
Whitefly nymphs	6/1									2024																	
Cucumber Beetles, striped	6/2									20	/21/22	23/24			2019												
Allium Leaf Miner damage	6/5										2023																
Wireworms	6/5										2020																
Grey Mold disease in strawberries	6/5										20/21																
Orange Rust Disease on raspberry plant	6/5										2023																
Hail storm damage	6/5										2020																
Squash Bug adults (no eggs)	6/10											2021															1
Cucumber plant disease, Angular Leaf Spot	6/10											21/23	19/22/24	2020													
Cucumber Beetles, spotted	6/10											2024						2021			2023						
Brittle root disease of horseradish	6/10											2020															
Colorado Potato Beetle Iarvae	6/8										2020	2023															 I
Ramularia on Lovage	6/13											2022															
Cross Striped Cabbageworm (larvae)	6/10										20	/21/22						2023									
Japanese Beetles	6/14											2021	2024	20/22	2023												
Powdery Mildew	6/17												2019	,		22/24	2021	2023			2020						
Bean plant disease, Bacterial Brown Spot	6/17												2019														
Sunflower plant disease, Bacterial Leaf Spot	6/17												2019														
Pigweed Flea Beetle	6/17												2024	2022		2023		2019									
Brown Marmorated Stinkbug (adult /larvae)	6/17												2024							2021		2022					
Botrytis disease in garlic	6/19												2020														
Leaf Hoppers on potato plants	6/19												2024				2022										
Squash Vine Borer adults	6/20												2024	22/23		2021											
Squash Bug adults & eggs	6/21												2023	20/21/			2019										
Squash Vine Borer eggs	6/22												2024	,	2022	2023											
Bacterial Wilt Disease on cucumber plants	6/26													20/22			2021				2019						
Asiatic Garden Beetles	6/30														2024				2021								

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Sunscald on raspberries	7/1														22/24			2019					2020				
Cabbage looper caterpillar	7/1														2024	2022											
Mites on pepper plants	7/2														2024							2019					
Tomato cracking	7/5														2021			2020			2019		2023				
Sunscald on pepper fruit	7/5														2021			2022	2020			2019					
Squash Bug nymphs	7/6														2020												
Raspberry cane borer	7/6														2020												
Celery Anthracnose disease	7/8															2021		2022		2024							
Squash Vine Borers frass	7/11															21/22	19/20/	23									
Tomato catfacing	7/11															2022	2024		2020				2023				
Onion maggots in leek plants	7/15																2024										
Lace bug on quince tree	7/15																2024										
Eggplant lace bug	7/17																2023			2024			19/22				
Hornworm	7/17																2020	2024	2019								
Blossom End Rot in Tomatoes	7/17																2020										
Cercospora Leaf Spot disease on swiss chard	7/19																2023	2022					2020	2021			
Bean Leaf Beetle	7/20																2020										
Blister Beetles	7/20																2021										1
Bean Mosaic Virus disease	7/20																	2024				2021					
Downy Mildew disease on cucumber plants	7/22																	21/22	2024		2023						
Corn leaf aphid	7/23																	2024									<u> </u>
Citrus platid planthopper	7/23																	2024									
Anthracnose fruit rot disease on tomatoes	7/27																	2022	2020			2019	2023				
Carrot Weevil	7/28																		2023								
Golden Tortoise Beetle	7/31																		2023								1
Sunscald on tomato fruit	8/1																		2020								
Blackberry Psylid	8/1																		2022								
Spider mites on bean plants	7/15																2024		2022								<u> </u>
Sap Beetles on corm	8/3																		2022								
Bean Yellow Mosaic Virus	8/8																			2023							
Peach Brown Rot	8/8																			2023							
Tarnished Plant bug	8/15																				2024						
Corn Smut	8/19																					2022					
Saddleback caterpillar	8/24																					2021					
Milkweed bugs	8/26																						2019				
Distorted carrots	8/26																						2021				2020
Tomato Fruitworm , AKA Corn Earworm	8/28																						2022				
Plectosporium Blight on pumpkin and zucchini plants	8/28																						2023				
Anthracnose fruit rot disease on peppers	8/29		1																				2023		2022		<u> </u>
Marginal Leafburn on blueberry plants	8/29		1																				2022				<u> </u>
Anthracnose on Currants	9/11																								2023		
Grasshoppers	9/12																								2022		

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Spotted Lanternfly	9/12																								2020		
Mold on zucchini (Choanenephora cuccurbitarum)	9/12																								2022	2023	
Cercospora disease of malabar spinach	9/12																								2022		
Powdery Mildew disease on pumpkin	9/12																								2020		
Raspberry Leaf Spot disease	9/12																								2020		
Yellow Jackets on raspberries	9/13																								2020		
Downy Mildew disease on watermelon plants	9/14																								2022		

Notes:

- 2018 and 2019 data included the Morris County and Madison Community Gardens. 2020, 2021, and 2022 data added the Morris Township Ted Largman Community Garden. 2023 and 2024 data added the Wick Garden in Jockey Hollow National Park.
- Due to pandemic restrictions in 2020 and 2021, the data is from the Master Gardeners' own plots in the Morris County, Madison and Morris Township Community Gardens plus their home gardens.