

# TART CHERRY PEST GUIDE: based on data from the NWMHRC weather station in Traverse City, Michigan



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Approximate date		April				May						June					July				August				
		7	19	21	29	2	8	10	12	19	25	1	8	15	22	29	6	13	20	27	3	10	17	24	
DD Base 42 F		90	148	121	215	211	277	302	341	441	528	786	957	1125	1328	1503	1678	1888	2107	2202	2296	2485	2675	2865	
DD Base 50 F		26	55	54	83	84	118	133	156	213	259	402	417	627	778	908	1039	1184	1329	1398	1467	1606	1735	1863	
Over-wintering Stage	Growth Stage	Dormant	Swollen Bud			Bud Burst	White Bud	First Bloom	Full Bloom	Petal Fall	Shuck Split	1st Cover		2nd Cover		3rd Cover	Pre Harvest			Post Harvest					
Egg	European red mite	Adult							1st			Monitor Populations													
		Hatch	Apply Oil to control Eggs						1st	Peak															
Adult female & immatures	Two spotted spider mite	Adult										Monitor Populations													
		Hatch							1st																
Adult female	Plum rust (nursery) mite	Adult						1st				Monitor Populations													
		Hatch							1st																
Egg & pupa	Green fruitworm	Adult	1st					Peak			End						1st								
		Larva						1st	Monitor for Larvae			End													
Pupa	Cherry leafminer	Adult										Peak													
		Hatch										1st		Peak								Peak			
		Tissue											1st	Peak										End	
Pupa	Cherry fruit fly	Adult											1st	Peak									End		
Pupa	Black cherry fruit fly	Adult											1st	Peak			End								
Adult	Plum curculio	Adult						1st			Peak						End								
Adult	Rose chafer	Adult										1st	Peak	End											
Larva	American plum borer	Adult							1st		Peak														
		Hatch							Hibernacula		1st	Peak										End			
Larva	Lesser peach tree borer	Adult									1st	Peak												End	
		Hatch												Peak	Peak									End	
Larva	Greater peach tree borer	Adult											1st	Peak					Peak				End		
		Hatch												1st		Peak							End		
Adult	Spotted wing drosophila	Adult									1st	When SWD flies are being caught in traps locally AND fruit is at a susceptible stage (i.e. starting to color through harvest)													
Cherry leaf spot			Prevention				Monitor Weather and Wetting Events											End							
American brown rot			Prevention				Monitor Weather and Wetting Events						Harvest												
European brown rot			Prevention																						
Powdery mildew			Prevention				Monitor Weather and Wetting Events																		

**PURPOSE:** This table is meant to serve as a season-long guide for when various life stages of key pests are expected and the best time to target management strategies based on an AVERAGE year. The dates, growth stages, and pest development presented in this guide represent averages for the time period of 1990-2001 for the Northwest MI Horticultural Research Station maintained by MSU Enviroweather. Actual situations on any given farm may differ for a particular year.

- Principle monitoring period
- Possible control period
- Critical control period

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