

## APPLE PEST GUIDE for the Peach Ridge Weather Station

			April					May					June				July				August					September					
			7	14	21	23	27	1	8	10	12	18	24	31	7	14	21	28	4	11	18	25	1	8	15	22	29	5	12	19	26
Overw. Stage	DD Base 42		90	127	189	205	242	284	367	395	422	511	616	749	899	1061	1226	1405	1564	1759	1960	2167	2359	2552	2735	2916	3091	3261	3417	3545	3656
	DD Base 50		36	51	82	90	109	129	174	190	205	254	318	401	498	607	719	842	954	1094	1239	1390	1526	1663	1791	1917	2037	2153	2256	2345	2396
	Growth Stage (McIntosh)		1st Dormant	1/4" Green	1/2" Green	Tight Green Cluster	Open Cluster	Pink	King Bloom	Full Bloom	Petal Fall	1st Cover	2nd Cover	3rd Cover	4th Cover	5th Cover	6th Cover	7th Cover	8th Cover	9th Cover											
Scale	SAN JOSE SCALE	Adult Hatch	Apply Oil to control Scales								1st		Peak		End		1st	Peak		End	Peak		1st		Peak						
Egg	EUROPEAN RED MITE	Adult Hatch	Apply Oil to control Eggs						1st		Peak		End		1st		Monitor summer populations														
Larvae	OBLIQUE BANDED LEAFROLLER	Adult Hatch												1st		Peak		End		1st		1st		Peak		Peak		Larvae overwinter			
Egg	APHIDS	Aphid				1st		Peak																							
Egg & Pupae	GREEN FRUITWORM	Adult Hatch	1st																												
Pupae	SPOTTED TENTIFORM LEAFMINER	Adult Hatch Tissue		1st				1st	Peak					End	1st	Peak		End	1st		Peak		1st	Peak		Peak					
Adult	TARN. PLANTBUG	Adult								1st				Peak																	
Pupae	RED BANDED LEAFROLLER	Adult Hatch		1st				Peak						End	1st			1st		Peak		End	1st	Peak		Peak		Peak			
Adult	PLUM CURCULIO	Adult									1st	Peak			End													Adult feeding damage			
Egg	WHITE APPLE LEAFHOPPER	Adult Hatch								1st		Peak		1st	End		Peak		End			1st	Peak		1st	Peak	End				
Larvae	CODLING MOTH	Adult Hatch												1st	Peak		Peak		1st		Peak		Peak		Peak		Peak	Possible 3rd generation Larvae overwinter			
Pupae	APPLE MAGGOT	Adult																1st				Peak					End				
Larvae	ORENITAL FRUITMOTH	Adult Hatch						1st				Peak		End	1st		Peak		End	1st		Peak		End	1st	Peak	Peak				
Larvae	DOGWOOD BORER	Adult																1st	Peak		End										
	EUROPEAN CORN BORER	Adult Hatch						Earlier generations not a pest in apples													1st		Peak		1st						

This information was developed by Philip Schwaller, District Horticulture Agent, MSU Cooperative Extension Service and Gilbert DeBruine, Orchard Consultant, Reister's Grower Services Inc. Our thanks to Dr. James Johnson, Tree Fruit Entomologist, MSU for reviewing this publication. It is a guide of "NORMAL" pest development in a typical year. Your actual situation during any year may be different. The blue areas indicate principle monitoring periods, the red areas indicate critical control periods if the pest is present, and yellow areas indicate possible control periods. The dates, growth stages, and pest development were all correlated with the Peach Ridge Weather station. The degree days were determined using the Baskerville-Emin method since March 1st, and are averages for a 28 year recording period.

Critical control period.
  Principle Monitoring Period  
 Possible control period.