

Oriental Fruit Moth Management Recommendations in Peach, 2017
 (based on degree-day (DD) accumulations from biofix and percent egg hatch)

DD-based timing recommendations following table
 are based on complete sprays

Date	Frederick		Rappahannock/Madison		Nelson/Albemarle		Patrick/Carroll	
	Biofix on April 3		Biofix on April 3		Biofix on April 4		Biofix on April 1	
	DD	% egg hatch	DD	% egg hatch	DD	% egg hatch	DD	% egg hatch
3-Apr	11	0	9	0			31	1
6-Apr	53	2	56	2	56	2	73	3
10-Apr	90	4	87	4	94	4	106	4
13-Apr	155	8	150	8	162	9	166	10
17-Apr	238	23	231	21	253	26	256	27
20-Apr	275	32	279	33	305	40	307	41
24-Apr	338	51	336	50	365	58	369	60
27-Apr	378	63	385	65	418	73	417	73
1-May	498	89	495	89	531	93	517	91
4-May	543	94	546	95	583	97	570	96
8-May	577	96	588	97	629	98	609	97
11-May	617	98	622	98	671	100	667	100
15-May	651	99	668	100	726	100	736	100
18-May	745	100	743	100	809	100	817	100
22-May	833	100	836	100	911	2	920	2
25-May	879	1	883	1	960	3	970	3
29-May	966	3	969	3	1057	6	1067	7
1-Jun	1023	5	1038	5	1133	12	1139	12
6-Jun	1161	15	1154	14	1257	28	1262	29
8-Jun	1192	18	1190	18	1295	34	1304	36
12-Jun	1313	38	1300	35	1405	55	1405	55
15-Jun	1414	57	1392	53	1500	73	1494	72
19-Jun	1552	80	1523	76	1626	89	1612	87
22-Jun	1637	90	1618	88	1721	95	1695	94
26-Jun	1745	96	1734	96	1840	99	1806	98

Date	Frederick		Rappahannock/Madison		Nelson/Albemarle		Patrick/Carroll	
	Biofix on April 3		Biofix on April 3		Biofix on April 4		Biofix on April 1	
	DD	% egg hatch	DD	% egg hatch	DD	% egg hatch	DD	% egg hatch
29-Jun	1823	98	1810	98	1913	1	1871	100
4-Jul	1992	6	1975	5	2076	10	2023	7
6-Jul	2054	9	2037	8	2140	14	2087	10
10-Jul	2173	16	2164	16	2269	26	2210	19
13-Jul	2282	27	2265	26	2374	39	2310	31
17-Jul	2411	44	2402	42	2513	57	2437	47
20-Jul	2518	58	2508	57	2619	71	2532	60
24-Jul	2658	75	2650	74	2763	85	2673	77
27-Jul	2743	83	2735	83	2856	91	2766	85
31-Jul	2842	90	2841	90	2966	96	2874	92
3-Aug	2939	95	2935	95	3058	97	2956	95
7-Aug	3053	97	3042	97	3169	100	3062	97
10-Aug	3131	99	3121	99	3251	100	3142	100

Estimated percent egg hatch based on accumulated DD from biofix (base temperature of 45°F; Penn State OFM model). SkyBit subscriptions for Rappahannock/Madison, Nelson/Albemarle, and Patrick/Carroll are supported by the Virginia Apple Research Program (VARP).

Pink Cells

Prepare to control 1st brood larvae. Sprays are recommended when captures in pheromone traps exceed the prebloom threshold of 15 moths/trap/week.

Suggested insecticides and mating disruption products: Checkmate-OFM sprayable pheromone can be applied once per generation (about every 4 weeks). Hand-placed mating disruption dispensers for OFM should be deployed prior to the onset of flight or at biofix and will provide different lengths of protection, depending upon the formulation used (see labels). If not using mating disruption, Assail, Calypso or Intrepid (70 - 100 DD, then at 250 - 275 DD); Altacor Avaunt, Belay (cannot be used in nectarines), Belt, Delegate, Exirel, Imidan, Lannate, Minecto Pro, Madex HP, pyrethroids, Voliam Flexi or Besiege (170 - 195 DD, then at 350 - 375 DD). Suggestion of pyrethroids or combination products containing a pyrethroid post-bloom is based on the threat from brown marmorated stink bug and may flare secondary pests. Some of these products will not control other key pests.

Blue Cells

If mating disruption not used in prebloom or bloom, target 1st brood OFM larvae beginning at petal fall.

Suggested insecticides: Assail, Calypso (70 - 100 DD, then at 250 - 275 DD); Altacor, Avaunt, Belay (cannot be used in nectarines), Besiege, Belt, Delegate, Exirel, Lannate, Minecto Pro, Madex HP, pyrethroids or Voliam Flexi (170 - 195 DD, then at 350 - 375 DD). Suggestion of pyrethroids or combination products containing a pyrethroid post-bloom is based on the threat from brown marmorated stink bug and may flare secondary pests. Some of these products will not control other key pests.

Orange Cells

Prepare to control 2nd brood larvae if captures in pheromone traps exceed the post-bloom threshold of 10 moths/trap/week.

Suggested insecticides and mating disruption products: Assail, Calypso or Intrepid (1050 - 1100 DD, then at 1350 - 1400 DD); Altacor, Besiege, Belt, Delegate, Exirel, Imidan, Lannate, Madex HP, pyrethroids, or Voliam Flexi (1150 - 1200 DD, then at 1450 - 1500 DD). Suggestion of pyrethroids or combination products containing a pyrethroid post-bloom is based on the threat from brown marmorated stink bug. Their use may flare secondary pests. Some of these products will not control other key pests.

Checkmate-OFM sprayable OFM pheromone can be applied once per generation (about every 4 weeks), just prior to the onset of moth flight.

Purple Cells

Prepare to control 3rd brood larvae if captures in pheromone traps exceed the threshold of 10 moths/trap/week.

Suggested insecticides and mating disruption products: Assail, Calypso or Intrepid (2000- 2100 DD, then at 2350 - 2400 DD); Altacor, Besiege, Belay, Belt, Delegate, Exirel, Imidan, Lannate, Madex HP, pyrethroids or Voliam Flexi (2100 - 2200 DD, then at 2450 - 2500 DD). Suggestion of pyrethroids or combination products containing a pyrethroid are based on the threat from brown marmorated stink bug. Their use may flare secondary pests. Some of these products will not control other key pests.

Checkmate-OFM sprayable pheromone can be applied once per generation (about every 4 weeks), just prior to moth flight.

Preharvest intervals now become an important consideration in the choice of products for managing 3rd brood OFM in many peach varieties.

Green Cells

Prepare to control 4th brood larvae. If the trap threshold of 10 moths/trap/week is exceeded, apply a spray within 7-10 days.

Note: Preharvest interval is a critical consideration in choice of product for managing 4th brood OFM in late varieties.