

STRAWBERRY INSECT CONTROL

Insect	Material and Formulation	Amount to Use/Acre	Remarks/Precautions	Days to Harvest
PREBLOOM				
Strawberry Clipper	Brigade WSB	6.4-32 oz	Begin checking for clipped buds when the first flower appears. If clipped buds are found, apply insecticide and repeat spray at 10-day intervals as long as bud clipping continues.	0
	Danitol 2.4EC	10 2/3 oz		2
	Lorsban 4E	1 qt	Lorsban applications are prebloom only.	21
	Sevin 4F	1-2 qt		7
Tarnished Plant Bug Spittlebug	Admire Pro	1.3 fl oz	Admire Pro as a foliar spray of spittlebug.	7
	Assail 30 SG	4-6.9 oz	DO NOT apply Assail more than twice per season.	1
	Beleaf 50 SG	2.8 oz	Use higher rates of Danitol or Brigade for tarnished plant bug and spittlebug control.	0
	Brigade WSB	6.4-32 oz	Rimon is labeled against tarnished plant bug but not spittle bug.	0
	Danitol 2.4EC	10.67 oz	If spittlebugs are a problem, spray when buds first become visible and make a second application just before the first blossoms open.	2
	Rimon 0.83EC	9-12 fl oz		1
	Sevin 4F	1-2 qt		7
Spider Mites	Acramite 50 WS	0.75-1.0 lb	Label allows up to two applications of Acramite or Kanemite per season.	1
	Agri-Mek 0.7 SC	3.5 fl oz	Apply Danitol at higher rates to control spider mites.	3
	Danitol 2.4EC	10 2/3 oz	Minimize road dust to prevent spider mite buildup.	2
	Kanemite 15 SC	21-31 fl oz		1
	Nealta 1.67SC	13.7 fl oz		1
	Oberon 2 SC	12-16 fl oz		3
	Portal 0.4 EC	2 pt		1
	Savey 50 DF	4-6 oz		3
	Zeal 72 WSP	2-3 oz		1
	JMS Stylet Oil (OMRI*)	1-2 gal	JMS Stylet-oil is approved for organic production.	0
		Predator Mites	Ask state fruit entomologist	Release predatory mites for biological control of spider mites. Predator mites can be released when prey mite levels are between 1-5 mites per leaf. In general, release 2-3 predatory mites per plant when mite populations are low.
Cyclamen Mite	Portal 0.4 EC	2 pt	Portal is restricted to 2 applications of no more than 4 pints per crop cycle.	1
EARLY BLOOM THROUGH BLOOM			SAVE THE BEES!! DO NOT APPLY INSECTICIDES DURING BLOOM.	
POST-BLOOM TO HARVEST				
Aphids	Actara	1.5-3.0 oz	DO NOT exceed 14 fl oz per acre per season.	3
	Admire Pro	10.5-14 fl oz		14
Leafrollers	Deliver (OMRI)	0.25-1.5 lb	Deliver and Javelin contain <i>Bacillus thuringiensis var. kurstaki (Bt)</i> formulations, and Entrust	1
	Javelin WG (OMRI)	0.25-1.5 lb		1
	Entrust 2SC (OMRI)	4-6 fl oz		1
	Radiant SC	6-10 fl oz		1
	Coragen 1.67 SC	3.5-5 fl oz		4

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			<u>Days of residual activity:</u>	
Spotted Wing Drosophila**	Brigade WSB	5.3-16 oz		0
	Danitol 2.4EC	16-21.33 fl oz	7 days	2
	Malathion	1.5-2.0 pt	7 days	3
	Entrust 2SC (OMRI)	4-6 oz	5-7 days	1
	Radiant 1SC	6-10 fl oz		1
	Pyganic 1.4 (OMRI)	16-64 fl oz	0-2 days	0
POST-HARVEST				
White Grubs of Japanese Beetle	Admire Pro	7-10.5 fl oz	Admire Pro and Platinum should be a post-harvest soil surface application followed by 0.25 inch of rain or overhead irrigation. DO NOT exceed 32 fl oz per acre per season of Alias or 12 fl oz per acre per season for Platinum.	14
Adult Japanese Beetles	Alias 2 F	16-24 fl oz		14
	Coragen	3.5-5 fl oz		1
	Platinum	5-12 oz		50
	Sevin 4F	1-2 qt		7
RED IMPORTED FIRE ANTS (ALL FIRE ANT BAITS) – Apply when ants are active and soil temperature is above 60 degrees F. DO NOT treat if rain is anticipated within 6 hours.				
	S-Methoprene (Extinguish)	3-5 Tbsp/mound 1.0-1.5 lb/acre	Mound-to-mound treatment rate. Broadcast rate. This product is an insect growth regulator (IGR). Apply 3 to 4 weeks prior to harvest date.	
	Pyriproxyfen (Esteem)	2-4 Tbsp/mound 1.5-2.0 lb/acre	Mound-to-mound treatment rate. Broadcast rate.	

*OMRI = Organic Materials Review Institute lists compounds approved for organic production.

****Spotted Wing Drosophila (SWD)** is a new invasive insect pest that was detected in ripening and ripened fruit in many Midwest states, including Arkansas, in 2013. The SWD larvae feed inside and damage ripening soft-skinned fruit, especially **blackberry, blueberry, raspberry and strawberry**. See the Spotted Wing Drosophila site: <http://www.ipm.msu.edu/swd.htm> or the Arkansas SWD fact sheet: <http://www.uaex.edu/publications/pdf/FSA-7079.pdf>.