

ACP Effective Pesticides, 5/2021

Plants That Produce, Vista CA.

<http://plantsthatproduce.com>

Use at your own risk.

sources: [https://ucanr.edu/sites/ACP/Grower\\_Options/Grower\\_Management/ACP\\_Effective\\_Insecticides/](https://ucanr.edu/sites/ACP/Grower_Options/Grower_Management/ACP_Effective_Insecticides/)

<http://ipm.ucanr.edu/PMG/menu.pesticides.php>

<https://cals.arizona.edu/apmc/docs/MOA.pdf>

<http://www.cdms.net/LabelsSDS/home/>

Insecticide Chemical Group	Chemical Class	Mode Of Action (MOA)	Selectivity	USDA Organic (NOP)	Example Consumer Product labeled for ACP	Example Professional Product * UC ANR Recommended	Chem. Group max annual frequency at ACP dose	When To Apply
1	Organophosphate	1a	Broad	No	—	Loveland Malathion 57 EC	1	<p>In general, applications should be made 4 times per year coinciding with annual growth cycles. For southern CA these are February, May, August, and November. If using a non-Organic pesticide, make one application that month. For an Organic pesticide apply twice that month with the delay listed on the label. Avoid systemics during pre-bloom (e.g. February) with the exception of Movento. Rotate between the MOA choices to avoid repeated application; e.g. do not use the same insecticide group in Feb. and May. Do not exceed the annual maximum frequency of any chemical group.</p>
1	Carbamate	1b	Broad	No	—	NovaSource Sevin® XLR Plus	8	
3	Pyrethroids	3	Broad	No	—	Baythroid® XL	1	
3 & 4	Pyrethroid + Neonicotinoid (systemic)	3 + 4a	Broad	No	—	Leverage® 360	2	
4	Neonicotinoid - foliar (systemic)	4a	Broad	No	—	* Actara®	2	
4	Neonicotinoid - soil drench (systemic)	4a	Broad	No	Bayer BioAdvanced® Fruit, Citrus and Vegetable	Admire® Pro	1	
4	Butenolide	4d	Broad	No	—	Sivanto® Prime	2	
5	Spinosyn	5	Soft	No	—	Delegate® WG	3	
6	Abamectin	6	Soft	No	—	Reaper® 0.15 EC	2	
15	Benzoylurea	15	Soft	No	—	Dimilin® 2L	3	
21	Pyrazole	21a	Soft	No	—	Fujimite® (negligible toxicity to bees)	2	
23	Keto-enol (systemic)	23	Soft	No	—	Movento® (labeled for use during bloom)	2	
28	Diamide (systemic)	28	Soft	No	—	Exirel®	3	
5	Spinosad	4a	Broad	Yes	Monterey Garden Insect Spray + Monterey Horticultural Oil	* Entrust®SC + surfactant (e.g. Hi-Wett)	24	
3	Pyrethrins	3a	Broad	Yes	Monterey Bug Buster-O + Monterey Horticultural Oil	PyGanic® + surfactant	24	
Narrow Range Horticultural Oil	Distilled natural oils	Deters egg laying	Broad	Yes	Monterey Horticultural Oil	BASF Ultra-Pure® Oil	24	
Kaolin Clay	mineral	Deters egg laying	Broad	Yes	—	Surround® + surfactant	24	