

Aphid Management in Desert Produce Crops - 2019



COLLEGE OF AGRICULTURE
AND LIFE SCIENCES
COOPERATIVE EXTENSION
Yuma Agricultural Center

Relative Efficacy Index For Aphids in Desert

Product	IRAC MOA	Green peach	Potato aphid	A. <i>lactuca</i> ¹	Foxglove aphid	Lettuce aphid ²	Cabbage aphid	Comments*
Lannate	1A	Red	Yellow	Yellow	Red	Red	Red	Tank mix with another product ; provides thrips control; PHI: 10 d on lettuce;.
Dimethoate	1B	Yellow	Green	Yellow	Red	Yellow	Yellow	Tank mix with another product ; has some thrips activity; PHI: 7 d on broccoli, cauliflower; 14 d on leaf lettuce
MSR	1B	Yellow	Green	Green	Green	Green	Green	PHI: 14-21 d on head lettuce, 7 d on broccoli, cauliflower and cabbage; Use high label rate
Orthene	1B	Yellow	Green	Yellow	Yellow	Yellow	Green	Tank mix with another product ; provides thrips control; PHI: 21 d for head lettuce and celery ; 7 d on cauliflower
Malathion	1B	Red	Green	Green	Red	Yellow	Yellow	Tank mix with another product, use highest labeled rates; PHI: 7 d on head lettuce; 14 d on leaf lettuce;
Bifenthrin	3	Red	Green	Green	Red	Red	Red	Numerous generics available; tank mix with another product at >4 oz for best control; PHI:
Imidacloprid	4A	Green	Green	Yellow	Red	Green	Green	Generics available; Soil: use 0.25 lb AI/ac or higher for residual aphid control; PHI: 21 d on all crops
Platinum, Actara	4A	Green	Green	Yellow	Red	Green	Green	Soil: use highest rate for residual aphid control; PHI: 30d on all crops; effective as post-plant side dress . Foliar: use high label rate, PHI: 7 d
Assail	4A	Green	Green	Yellow	Red	Green	Green	Use at high rates (4 oz for Assail 30G); PHI: 7 d on leafy vegetables and Cole crops
Sequoia	4C	Green	Green	Green	Light Green	Green	Green	Use at higher rates (>2.0 oz) when lettuce aphid present; PHI: 3 d on leafy vegetables
Sivanto	4D	Green	Green	Green	Light Green	Green	Green	Use at high rates (10-14 oz); PHI: 1 d on leafy vegetables and Cole crops; may take a few days to see reduction in aphid numbers.
Fulfill	9B	Yellow	Green	Yellow	Red	Yellow	Yellow	Tank mix with another product for green peach aphid, foxglove aphids; Initiate sprays at first signs of aphids, PHI: 7 d
Beleaf	29	Green	Green	Green	Red	Green	Green	Use at higher rates; PHI: 0 d on leafy vegetables and cole crops
Movento	23	Green	Green	Green	Green	Green	Green	Use a penetrating adjuvant at 0.25%v/v or higher; PHI: 1 d for Cole crops, 3 d for leafy vegetables

Good residual control (7-14 d)

Marginal residual control (4-6 d)

Poor residual control (1-3 d)

¹ *Acyrthosiphon lactucae* ; no common name

² *Nasonovia ribisnigri*; aka "red aphid"

* Always consult the label before applying any of these products on leafy vegetables or cole crops.