

Aphid Management in Desert Leafy Vegetables and Cole Crops



Relative Efficacy Index For Aphids in Desert

Product	IRAC ¹ MOA	Green Peach aphid	Potato aphid	A. <i>lactucae</i>	Foxglove aphid	Lettuce aphid	Cabbage aphid	Comments*
Lannate	1A	•	••	•••	•	•	•	Tank mix with another product ; provides thrips control; PHI: 10 d on lettuce; 7 d spinach
Dimethoate	1B	••	•••	•••	••	•	••	Tank mix with another product ; has some thrips activity; PHI: 7 d on broccoli, cauliflower; 14 d on leaf lettuce
MSR	1B	••	•••	•••	•••	•••	•••	PHI: 14-21 d on head lettuce, 7 d on broccoli, cauliflower and cabbage; Use high label rate
Orthene	1B	••	•••	•••	•••	••	•••	Tank mix with another product ; provides thrips control; PHI: 21 d for head lettuce and celery ; 7 d on cauliflower
Malathion	1B	•	•••	•••	•••	•	••	Tank mix with another product, use highest labeled rates; PHI: 7 d on head lettuce; 14 d on leaf lettuce;
Endosulfan	2A	••	•••	•••	•••	•	••	Tank mix with another product ; thrips suppression; PHI: 7 d Cabbage cauliflower, 14 d lettuce and broccoli
Bifenthrin	3	•	•••	•••	•••	•	•	Numerous generics available; tank mix with another product at >4 oz for best control; PHI:
Imidacloprid	4A	•••	•••	•••	••	•	•••	Generics available; Soil: use 0.25 lb AI/ac or higher for residual aphid control; PHI: 21 d on all crops
Platinum	4A	•••	•••	•••	••	•	•••	Soil: use highest rate for residual aphid control; PHI: 30d on all crops; effective as post-plant side dress
Assail	4A	•••	•••	•••	••	•	•••	Use at high rates (4 oz for Assail 30G); PHI: 7 d on leafy vegetables and Cole crops
Voliam Flexi	4A+28	•••	•••	•••	••	•	•••	Use at higher rates; PHI: 3 d on broccoli, cauliflower and cabbage, 7 d for leafy vegetables
Fulfill	9B	••	•••	•••	••	•	••	Tank mix with another product for green peach aphid and foxglove aphids; PHI: 7 d on leafy vegetables and Cole crops
Beleaf	9C	•••	•••	•••	•••	•	•••	Use at higher rates; PHI: 0 d on leafy vegetables and Cole crops
Movento	23	•••	•••	•••	•••	•••	•••	Use a penetrating adjuvant at 0.25%v/v or > for best results; 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)

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

Green peach aphid



Foxglove aphid



Alternatives for Aphid Control in Desert Vegetables

(in order of preference)

Movento	1st choices
Beleaf	
Assail * Voliam Flexi	
Admire Pro (or generics) Platinum	
Fulfill	2nd choices
Endosulfan	
Orthene ** MSR	
Dimethoate * Pyrethroids * Lannate **	

** Will provide thrips control

* May provide thrip suppression