

Lepidopterous Larvae Management in Desert Produce Crops, 2013



Relative Efficacy Index For Lep Larvae in Desert

Product	IRAC ¹ MOA	Beet armyworm	Cabbage loopers	Corn earworm	Diamondback moth	Comments*
Lannate	1A	•••	•	•••	•	Tank mix with another product for broad spectrum Lep activity; provides thrips control; PHI: 10 d on lettuce; 7 d spinach; Use rates above 0.75 lb AI/ac
Lorsban	1B	•••	•	•••	•	Tank mix with another product for broad spectrum Lep activity; For use on cole crops, PHI: 21 d; use top of label rates if possible
Acephate	1B	•	••	••	•	Tank mix with another product for broad spectrum Lep activity; PHI: 14-21 d on head lettuce, 7 d on cauliflower ; provides thrips control; Use high labeled rates
Pyrethroids	3	•	•••	•••	•	Tank mix with another product for broad spectrum Lep activity; PHI: varies with products ; use high labeled rates
Radiant	5	•••	•••	•••	•••	Stand alone Lep, leafminer, and thrips control; PHI: 1 day on leafy veg and Brassica crop groups; Use rates at 5-7 oz depending on pest spectrum.
Proclaim	6	•••	••	•••	•••	Stand alone Lep control; use a penetrating adjuvant ; PHI: 7 day on leafy vegetable and Brassica head and stem crop groups; Use at rates above 3.6 oz
Bt (i.e. Dipel)	11B	•	••	•	•	Tank mix with another product for broad spectrum Lep activity, numerous Bt products available; PHI: 0 d -good spray coverage desirable
Intrepid	18A	•••	•••	••	••	Tank mix with another product for broad spectrum Lep activity; PHI: 1 day; good spray coverage desirable; mix with a pyrethroid for best results
Avaunt	22	•••	•••	••	••	Tank mix with another product for broad spectrum Lep activity; PHI: 1 day, good spray coverage desirable, use higher rates for best control
Belt	28	•••	•••	•••	•••	Stand alone Lep control; PHI: 1 day on leafy vegetable and Brassica leafy crop groups, Use 1.5 oz in LeafyVeg; 2.0 oz in Cole crops.
Coragen	28	•••	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 1 day for Leafy Veg crop group; 3 d for Brassica leafy crop group for both soil and foliar uses - Use at or above 5 oz.
Voliam Xpress	28+3	•••	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 1 day for head and leaf lettuce; 3 d for Brassica head and stem crop group. Use higher rates (8 oz or >).
Volium Flexi	28+4A	•••	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 7 day for leaf veg crop group; 3 d for Brassica head and stem crop group. Has aphid activity. Use higher rates.
Durivo	28+4A	•••	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 30 day for leaf veg and Brassica crop groups; Has aphid activity. Use at 13 oz.
Vetiva	28+16	•••	•••	•••	•••	Stand alone Lep control; PHI: 7 day for Leafy Veg crop group; 1 d for Brassica leafy crop group. Has whitefly activity. Use at 17 oz or >

•••	Good residual control (7-14 d)
••	Marginal residual control (4-6 d)
•	Poor residual control (1-3 d)

¹ IRAC Mode of Action - for more info go to - <http://www.irc-online.org/>

* always consult the label before applying any of these products