

Lepidopterous Larvae Management in Desert Produce Crops, 2015



Product	IRAC ¹ MOA	Beet armyworm	Cabbage looper	Corn earworm	Comments*
Lannate	1A	•••	•	•••	Tank mix with another product for broad spectrum Lep activity; provides thrips control; PHI: 10 d on lettuce; 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: 21 d on head lettuce only.
Pyrethroids	3	•	•••	•••	Tank mix with another product for broad spectrum Lep activity; PHI: varies with products ; use high labeled rates when controlling corn earworm.
Radiant	5	•••	•••	•••	Stand alone Lep, leafminer, and thrips control; PHI: 1 day on lettuce; Use rates at 5-7 oz depending on pest spectrum. Use higher rates for corn earworm.
Proclaim	6	•••	••	•••	Stand alone Lep control; use a penetrating adjuvant ; PHI: 7 day on lettuce; use at rates above 4 oz; if cabbage looper present tank-mix with a pyrethroid.
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. Use at 10 oz or higher.
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 lettuce, Use at high label rates for longer residual control.
Coragen	28	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 1 day for lettuce- Use at or above 5 oz. for best residual effectiveness.
Exirel	28	•••	•••	•••	Foliar only; Stand alone Lep, whitefly and leafminer control; PHI: 1 day for lettuce- Use at or above 16 oz for best residual effectiveness.
Verimark	28	•••	•••	•••	Soil only; Stand alone Lep, whitefly and leafminer control; Use at or above 10 oz. for best residual effectiveness.
Voliam Xpress	28+3	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 1 day for lettuce; Use higher rates (8 oz or > for best residual effectiveness.
Volium Flexi	28+4A	•••	•••	•••	Stand alone Lep and leafminer control; PHI: 7 day for lettuce; Has aphid activity. Use higher rates for best residual effectiveness.
Durivo	28+4A	•••	•••	•••	Soil only; Stand alone Lep and leafminer control; PHI: 30 day for lettuce; Use at 13 oz. for best residual effectiveness. Has aphid activity.
Vetica	28+16	•••	•••	•••	Stand alone Lep control; PHI: 7 day for lettuce; Has whitefly immature activity. Use at higher rates for longer residual control.

•••	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.irac-online.org/>

* always consult the label before applying any of these products