

Lepidopterous Larvae Management in Desert Produce Crops, 2017

Product	IRAC ¹ MOA	Beet armyworm	Cabbage looper	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; Has activity against DBM adults
Lorsban	1B	...	.	...	...	Tank mix with another product for broad spectrum Lep activity; For use on cole crops, PHI: 21 d; Has adult DBM activity.
Acephate	1B	.	..	...	..	Tank mix with another product for broad spectrum Lep activity; PHI: 21 d on head lettuce only.
Dibrom	1B	.	..	..	...	Short residual product. For DBM use 2 pints / acre. Has good adult DBM activity also.
Pyrethroids	3	.	...	...	...	Tank mix with another product for broad spectrum Lep activity; PHI: varies with products ; Has shown DBM activity in fall 2017
Radiant/Entrust	5	...	...	...	...	Stand alone Lep, leafminer, and thrips control; PHI: 1 day on lettuce; Use rates at 5-7 oz depending on pest spectrum. Use 7 oz or > for DBM
Proclaim	6	...	..	...	...	Stand alone Lep control; use a penetrating adjuvant ; PHI: 7 day on lettuce; use at rates above 3.6 oz; if cabbage looper present tank-mix with a pyrethroid. Use 4.5 oz or > for DBM
Bt (<i>Xentari</i>)	11B	.	..	.	..	Tank mix with another product for broad spectrum Lep activity, numerous Bt products available; PHI: 0 d; use rates of 1.5 lb or > for DBM
Intrepid	18A	...	...	..	..	Tank mix with another product for broad spectrum Lep activity; PHI: 1 day; good spray coverage desirable; use 16 oz rate for DBM
Avaunt	22	...	...	..	...	Tank mix with another product for broad spectrum Lep activity; PHI: 1 day, use higher rates for best control of all Leps.
Coragen	28	...	...	...	...	Stand alone Lep and leafminer control; PHI: 1 day for lettuce- Use at or above 5 oz. Has shown DBM activity in fall 2017
Exirel	28	...	...	...	...	Foliar only; Stand alone Lep, whitefly and leafminer control; PHI: 1 day for lettuce- Use at or above 15 oz for DBM.
Verimark	28	...	...	...	...	Soil only; Stand alone Lep, whitefly and leafminer control; Use at or above 13.5 oz. for best residual effectiveness.
Besiege	28+3	...	...	...	...	Stand alone Lep and leafminer control; PHI: 1 day for lettuce; Use higher rates 8 oz. Has shown DBM activity in fall 2017
Minecto Pro	28+6	...	...	...		Stand alone Lep, whitefly and leafminer control; PHI: 7 day for leafy vegetables. Use 10 oz rate. Not labeled on cole crops or spinach.
Durivo	28+4A	...	...	...	.	Soil only; Stand alone Lep and leafminer control; PHI: 30 day for lettuce; Use at 13 oz. for best residual effectiveness.

...	Good residual control (7-14 d); For DBM - 7 d residual
..	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
 ** Based on Fall 2017 efficacy trials on local DBM populations