

Whitefly Management in Spring Melons - 2016



Relative Efficacy Index

Product	IRAC ¹ MOA	Adults	Nymphs	
Vydate, Lannate	1A	••	•	Provides knockdown control (3-5 days) of adults when tank-mixed with a pyrethroid Bifenthrin or Danitol
Pyrethroids	3	••	•	Numerous proprietary and generic products available; tank mix with another product (Methomyl/ Vydate) for best control; will also control cabbage loopers and beetles.
Imidacloprid	4A	•	•••	Generics available; Soil: use highest rate for residual nymph control (0.375 lb ai/ac); may not provide adequate adult control; does not provide consistent performance as post-emergence side dress.
Platinum	4A	•	•••	Soil: use highest rate for residual whitefly control (11 oz); effective as post-plant, side dress or chemigation through drip, marginal residual control when applied at-planting in produce crops due to high water solubility
Assail	4A	•••	•••	Tank-mix with a pyrethroid for improved adult knockdown. Use at high rates (0.10 LAA)
Actara	4A	•••	••	Tank-mix with a pyrethroid for improved adult knockdown. Use at high rates.
Venom, Scorpion	4A	•••	•••	Foliar: tank mix with pyrethroid for enhanced adult knockdown; Soil: effective as at-planting or post-plant side dress/chemigation treatment on melons. Use at high rates.
Sequoia	4C	••	••	Apply at top of label rate; can provide good, knockdown control (3-5 days) of adults
Sivanto	4D	•••	•••	Apply at higher label rate (10-14 oz); can provide good knockdown of adults (5-7 d) residual of nymphs.
Durivo	4A+28	••	••	Soil : Contains chlorantraniliprole; will control loopers and beet armyworms; Use at higher rates; effective as at-planting but has shown to provide marginal residual control in produce crops due to high water solubility
Knack	7	•	•••	Apply at higher rates for residual control; slow acting. Does not provide adult knockdown control; Will eventually suppress adults numbers by cycling out the immature population.
Fulfill	9B	•	••	Apply at low-adult densities for best results; Tank mix for best control of adults; slow acting. Does not provide adult knockdown control; Will eventually suppress adults numbers by cycling out the immature population.
Courier	16	•	•••	Apply at higher rates for residual control; slow acting. Does not provide adult knockdown control; Will eventually suppress adults numbers by cycling out the immature population.
Vetica	16+28	•	•••	Contains flubendiamide; apply at high rates for nymph control; will also control worms; slow acting. Does not provide adult knockdown control; Will eventually suppress adults numbers by cycling out immature population.
Oberon	23	•	•••	Apply at higher rates for residual control; slow acting. Movento is not registered on melons. Does not provide adult knockdown control; Will eventually suppress adults numbers by cycling out the immature population.
Exirel	28	•••	•••	Apply at higher rates for longer residual control; a little slow; may take up to 3 days to observed adult knockdown. Use of a penetrating adjuvant is recommended.

•••	Good residual control
••	Fair-Marginal residual control
•	Poor control

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**