

# Whitefly Management in Fall Produce - 2016



## Relative Efficacy Index

Product	IRAC <sup>1</sup> MOA	Adults	Nymphs	
Methomyl	1A	••	•	Provides good, knockdown control (3-5 days) of adults when tank-mixed with a pyrethroid.
Acephate	1B	••	•	Provides good, knockdown control (5-7 days) of adults when tank-mixed with a pyrethroid. Can only be used on cauliflower, celery and head lettuce.
Pyrethroids	3	••	•	Best used as tank mix with another whitefly product for best control; will also control loopers, flea beetles and bagrada bugs. Bifenthrin and Danitol have demonstrated the most consistent control.
Imidacloprid	4A	•	•••	Soil: Generics available; 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. Less residual control should be expected on lettuce/cole crops due to high water solubility, duration of sprinkler irrigation, multiple seedlines per 84" spacing. Use at high rates.
Sequoia	4C	••	••	<b>Currently not available. Registration pending EPA approval.</b>
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.
Movento, 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, Verimark	28	•••	•••	Verimark (Soli): Will provide good residual of both adults and nymphs in lettuce and cole crops. Exirel (foliar): slow acting against adults, will provide good control of adults and nymphs, also controls worms and leafminers.

•••	Good residual control
••	Marginal residual control
•	Poor control

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

\* always consult the label before applying any of these products