

Alternative Insecticides to Methoxyfenozide Registered for Use on California Rice

COMMON TRADE NAME ¹	ACTIVE INGREDIENT	CLASS OF CHEMICAL	WATER-HOLD TIME	PRE-HARVEST INTERVAL (PHI)	RESTRICTIONS
INSECTICIDES:					
Javelin® WG DiPel® DF	<i>Bacillus thuringiensis</i>	Biological	0-days	0-days	None
Sevin® Brand 4F	Carbaryl	Carbamate	0-days	14-days	Do not apply propanil herbicides within 15 days before or after application of this product or plant injury will result. Rate of 1-1 ½ qts/acre up to 2 applications per crop per year may be made but not more than once every 7 days. No more than 3 qts/year.
Dimlin® 2L Insect Growth Regulator	Diflubenzuron	Insect Growth Regulator	14-days	80-days	Not registered for use to control armyworm, and 80-day PHI restricts use during outbreak.
DeBug® Turbo	Neem Oil	Biological	0-days	0-days	None. An alternative with no reported use.
Mustang® Max Insecticide	(s)-cypermethrin	Pyrethroid	7-days	14-days	Apply at 7-day intervals. Do not make applications less than 7 days apart. A maximum of 16 fl oz of product (0.10 lb ai)(1.0 pts) may be applied per acre per season.
Warrior® II Insecticide Various Names	Lambda cyhalothrin	Pyrethroid	7-days	21-days; 27-days at the higher rate	Not known for effectiveness on larger worms. Apply 5-7 day intervals. Do not apply more than 0.12 lb ai (7.68 fl oz or 0.48 pt of product) per acre per season. Do not apply more than 0.04 lb ai (2.56 fl oz or 0.16 pt of product) per acre within 21 to 27 days of harvest.

¹Restrictions apply to all rice pesticides sharing the same active ingredient and are not exclusive to the common trade name. Listing common trade name is not a recommendation of one product over another if both share the same active ingredient.

Please note: Belay (clothianidin), Coragen with RynaXpyr (chlorantraniliprole), Dimilin (diflubenzuron), and Malathion are not on the list, since label use directions do not exist for armyworm control.