

Versatility of Organic Insecticides for Vegetable Growers

Compiled Winter 2017-18

By Genevieve Higgins, UMass Vegetable Extension

Please note the following:

- At the time of writing, all products listed were registered in at least one New England state. Check the registration status in your state before using any product.
- Pesticide labels are legal documents for product use. Disregard any information in this document if it is in conflict with the current label.
- No company or product endorsement is implied or intended in this document. Always read the label before using any pesticide.



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IRAC Group	Active Ingredient	Product Name		
3A	pyrethrins	*Pyganic EC1.4 *Pyganic EC5.0 II		
3A & un	azadirachtin & pyrethrins	Azera		
5	spinosad	*Entrust *Entrust SC *GF-120 Naturalyte *Seduce		
11	<i>Bacillus thuringiensis</i> subsp. <i>aizawi</i>	*XenTari		
	<i>Bacillus thuringiensis</i> subsp. <i>isrealensis</i>	*Gnatrol WDG		
	<i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i>	CoStar		
		Deliver		
		*Dipel DF Javelin WG		
<i>Bacillus thuringiensis</i> subsp. <i>tenebrionis</i> strain SA-10	Trident			
un	azadirachtin	*Amazin Plus 1.2%ME *Aza-Direct *AzaGuard *Azatin O *Azatrol EC *Ecozin Plus 1.2%ME *Molt-X Neemix 4.5		
		sulfur	*Microfine Sulfur *Microthiol Disperss	
			exempt	cinnamon, clove, & thyme oils
		geraniol, peppermint oil, & rosemary oil		*Ecotrol Plus
		soybean oil		*Golden Pest Spray Oil
		none	<i>Burkholderia</i> spp.	*Venerate XC
			<i>Chromobacterium subtsugae</i>	Grandevo
			clarified hydrophobic extract of neem oil	Triact 70 *Trilogy
	iron phosphate			*Sluggo
	<i>Isaria fumosorosea</i> Apopka Strain 97		PFR-97 20% WDG	
<i>Isaria fumosorosea</i> Apopka Strain 98	*Preferal			
kaolin	*Surround WP			
mineral oil	*Organic JMS Stylet Oil *Suffoil-X			
	potassium salts of fatty acids		*M-Pede	

Key:
Black = veg & fruit (not labeled for pumpkin, apple, or berries)
Red = veg & apple
Orange = pumpkin & fruit
Blue = veg & berries
Green = flor/orn/nurs & pumpkin
Purple = veg & flor/orn/nurs
Pink highlight = pumpkin & apple
Purple highlight = apple & berries
Yellow highlight = pumpkin & berries
Green highlight = pumpkin & berries & apple
* = also labeled on flor/orn/nurs crop(s)

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