



IR-4 Update

2021 Industry Technology Session
July 20, 2021



New EPA Sec. 3 Registrations



Fungal biocontrol agents of nematodes and arthropods

Product	Active ingredient	Major targets
BioStat® 10% WP	<i>Purpureocillium lilacinum</i> strain PL11	Root knot & other nematodes
PFR-97® 10% ES PFR-97® 20% WP	<i>Isaria fumosorosea</i> strain Apopka 97	Whiteflies, thrips, aphids, psyllids, mealybugs, spider mites, more...

Label expansions

Hemp



- Label expansions approved by EPA.
- Approved (*) or pending in CA

Targets	Products	Active ingredients
Insects & mites	BoteGHA [®] ES BotaniGard [®] 22WP & ES Mycotrol [®] WPO & ESO	<i>Beauveria bassiana</i> strain GHA
	PFR-97 [®] * 20% WDG	<i>Isaria fumosorosea</i> strain Apopka 97
	Agree [®] WG*, CryMax [®] *, Deliver [®] *, Javelin [®] WG*	<i>Bacillus thuringiensis</i> (various strains)
	Gemstar [®] LC	Polyhedral occlusion bodies of the NPV of <i>Helicoverpa zea</i>
Plant disease	Carb-O-Nator [®]	Potassium bicarbonate
	Double Nickel [®] 55* & LC*	<i>Bacillus amyloliquefaciens</i> strain D747
	LifeGard [®] WG*	<i>Bacillus mycoides</i> isolate J
	Sil-Matrix [®] LC	Potassium silicate
Weeds	Homeplate [®] *	Caprylic & capric acids



FIFRA 2(ee) Supplemental labels



Product	Active ingredient	Included uses	Crops	States
Des-X® Insecticidal Soap	Potassium salts of fatty acids	Deer repellency	Field crops, perennials, berry and small fruit crops, vine crops, and tree crops.	All
LifeGard® WG Biological Plant Activator	<i>Bacillus mycoides</i> isolate J	<i>Botrytis cinerea</i>	Grapes	All
Seduce® Insect Bait	Spinosad	Aerial application	Leafy vegetables & cole crops	AZ, CA
		Wireworms	Corn, onions, potatoes, sugar beets	ID, MT, ND, OR, SD, WA
		Onion, corn seed, and bean seed maggots	Corn, garlic, onions, legumes	ID, MT, ND, OR, SD, WA

Specimen labels and 2(ee) supplements available at www.certisbio.com/labels.

20
YEARS

For more information contact Certis Regional Field Development Managers

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