REVOLUTIONARY CONTROL

SPEAR®-Lep
A SOLUTION BY VESTARON
THE POWER OF PEPTIDES

Protect your cranberries from lepidopteran pests, including leafrollers, fruitworms and spanworms with SPEAR®-Lep bioinsecticide, a novel mode-of-action with the safety you desire and the performance you require. Proven efficacy as a standalone, but best suited for rotation into your season long worm control program for the management of insecticide resistance. Safe for your crop, workers and non-targets, SPEAR®-Lep has a 0-day PHI, 4-hour REI and is MRL-exempt.

TARGET CROPS
(see label for full list)

ALMOND
APPLE
BLUEBERRY
CANE BERRIES
CHERRY
CRANBERRY
GRAPE
HAZELNUT
HEMP
HOPS
PEAR
POTATO
STONE FRUIT
STRAWBERRY
TOMATO
VEGETABLES

KEY FACTS
(must read and follow all label instructions)

- Bioinsecticide based on a naturally occurring peptide
- Highly specific for lepidopterans with very low risk to beneficials
- Control that equals or surpasses conventional options
- Vital new tool for sustainable pest management
- New IRAC group 32 supporting resistance management
- SPEAR-Lep is effective when tank-mixed with its synergist, Bacillus thuringiensis (Btk)
- Excellent environmental and worker safety profile
- Zero-day PHI, 4-hour REI, MRL exempt
- Mode of entry - ingestion
- Mode of action – disruption of the nicotinic acetylcholine receptor
- Low risk of phytotoxicity
- Registered in all 50 states

QUICK INFO

- EPA REG #: 88847-6
- AI: GS-OMEGA/KAPPA-HXTX-IV1A
- FORMULATION: LIQUID
- IRAC GROUP: 32
- SIGNAL WORD: CAUTION
- REI: 4 HOURS
- PHI: 0 DAYS
- PACKAGE SIZE: 1 GAL, 4 X 1 GAL CASE
- USE RATE: 1-2 PT/ACRE PLUS B1
- RAINFAST: 4 HOURS
- OPTIMAL SPRAY pH: 5-7.5
- SURFACTANT: For best performance, use with a NIS or spreader/sticker at 0.125% v/v

A SOLUTION BY VESTARON

Vestaron is The Peptide Company dedicated to improving the safety, efficacy and sustainability of crop protection through migration from synthetic pesticides to biological peptides. Initially, Vestaron is focused on a class of peptides that kills insect pests efficiently, but is safe for humans, birds, fish, pollinators and the environment. As part of this, the company has developed a proprietary platform for peptidase optimization and fermentation-based peptide production that will allow development of a wide variety of effective crop protection solutions. Vestaron brands are emPOWERed by Peptides – providing new technology with a unique mode of action in a biological solution equal to, and often better, than the synthetic options; creating the opportunity to incorporate a new IRAC Group 32 into rotation recommendations for resistance management.

THE POWER OF SYNTHETICS. THE SAFETY AND SUSTAINABILITY OF BIOLOGICALS.
INVIGORATE YOUR CURRENT WORM CONTROL PROGRAM!

BLACK-HEADED FIREWORM (Rhopalota naevana) WISCONSIN RAPIDS, WI, 2019

SPARGANOTHIS FRUITWORM (Sparganothis sulfureana) ARKDALE, WI, 2019

CRANBERRY FRUITWORM (Acrabasis vaccinii) OAKDALE, WI, 2020

GREEN SPANWORM (Itame sulphurea) DEXTERVILLE, WI, 2020

TRIAL NOTES:
RCBD, 4 replications, 3 applications at 7-day intervals
Spear-Lep @ 1 (low) or 2 (high) pt/A
Btk (Leprotec) @ 0.5 (2020) or 1.0 (2019) pt/A
Chiorantraniliprole [Altacor] @ 4.5 oz/A
Rotation Spear+Btk fb Chiorantraniliprole
fb Spear+Btk
Cooperator Jack Perry, University of Wisconsin

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