A NEW BRANDED MOA FOR WILBUR ELLIS GROWERS

SPEAR®-LEP

A SOLUTION BY

VESTARON
THE POWER OF PEPTIDES™

Spear®-Lep is Vestaron's revolutionary bioinsecticide for tree nuts, fruits, vegetables and other highvalue crops in the field. Targeting lepidopteran pests such as loopers, worms and caterpillars, field trials with Spear-Lep show performance that is equal or superior to conventional insecticides. With no known resistance or cross-resistance, Spear-Lep works as a standalone, or in rotation with conventional insecticides as an excellent IPM and resistance management tool.

FOR USE ON TREE NUTS

(see label for full list)

- **ALMOND**
- **HAZELNUT**
- **PISTACHIO**
- **WALNUT**

Good choice for Navel Orangeworm control

FOR USE ON OTHER CROPS

(see label for full list)

- **APPLE**
- **BLUEBERRY**
- **CHERRY**
- **CRANBERRY**
- **GRAPES**
- **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-HV1A
FORMULATION	LIQUID
IRAC GROUP	32
SIGNAL WORD	CAUTION
REI	4 HRS
PHI	0 DAYS
PACKAGE SIZE	1 GAL, 4 X 1 GAL CASE
RATE	1-2 PT/ACRE PLUS Bt
RAINFAST	4 HOURS
SURFACTANT	For best performance, use with a NIS or spreader/sticker at 0.125% v/v

ANTERO-EA

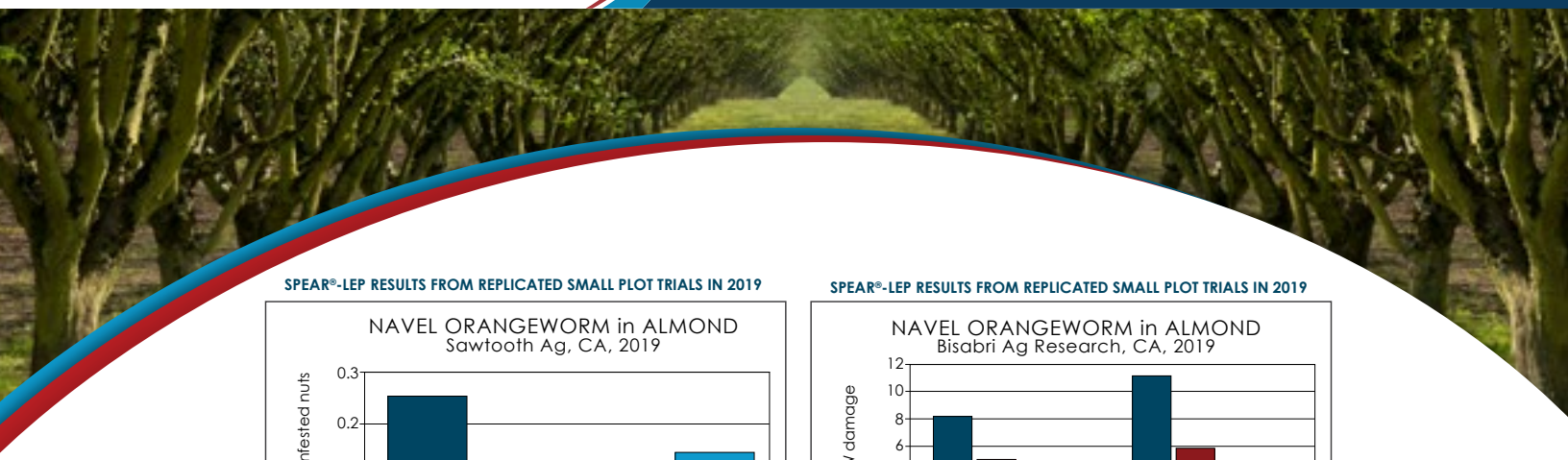
CONTACT YOUR LOCAL REPRESENTATIVE FOR CROP-SPECIFIC INFORMATION ON BEST APPLICATION TIMING

WILBUR-ELLIS AGRIBUSINESS

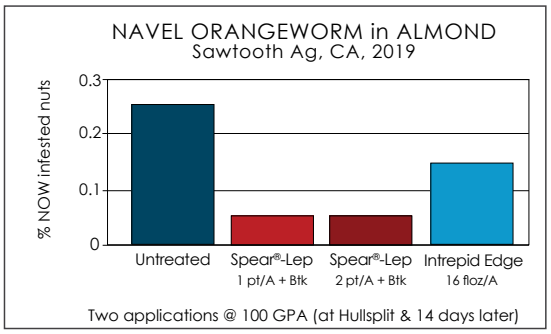
THE POWER OF SYNTHETICS. THE SAFETY AND SUSTAINABILITY OF BIOLOGICALS.

SPEAR®-LEP

REVOLUTIONARY CONTROL



SPEAR®-LEP RESULTS FROM REPLICATED SMALL PLOT TRIALS IN 2019



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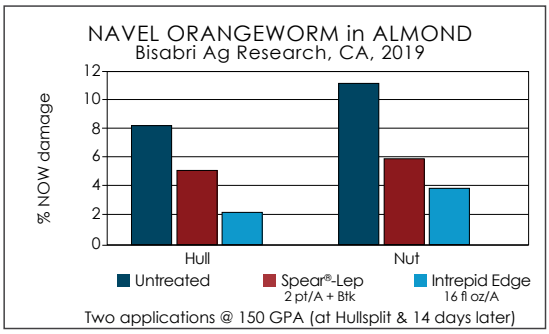

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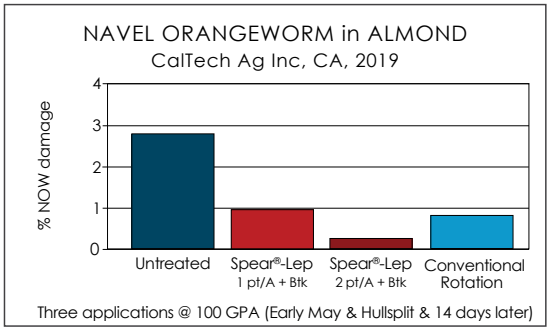

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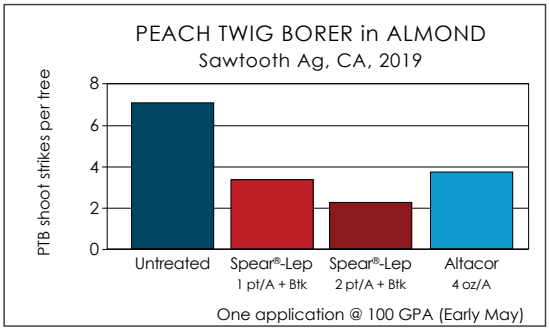

A SOLUTION BY VESTARON

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 peptide 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.

BTK BIOLOGICAL INSECTICIDE

Leprotec® is Vestaron's Btk bioinsecticide that is the ideal partner for use with Spear-Lep. When ingested together, the Btk proteins perforate the insect mid-gut allowing the Spear peptide to access the target receptor in the nervous system, killing the pest and extending residual activity.

THE POWER OF SYNTHETICS. THE SAFETY AND SUSTAINABILITY OF BIOLOGICALS.

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