

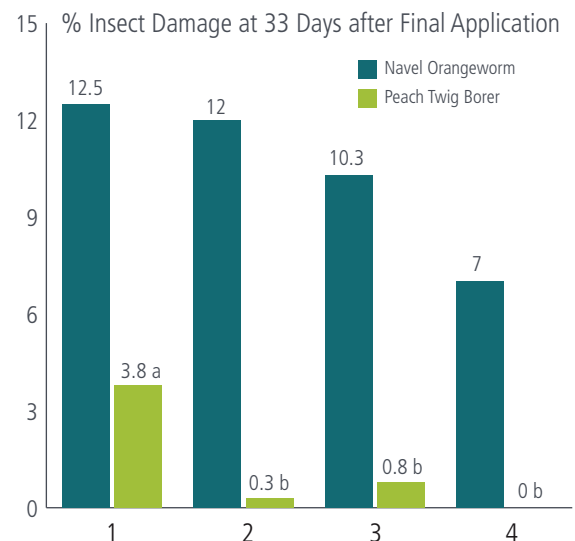
EFFECTIVELY CONTROL NAVAL ORANGEWORM

BRAND NEW INSECTICIDE MODE OF ACTION

- New Mode of Action
- Tolerance Exempt
- Pollinator Safety
- 4-hour REI and 0-day PHI

SPEAR®-LEP is designed to deliver the sustainability of a biological with the efficacy of a synthetic. **SPEAR-LEP** is a new tool for progressive growers looking to soften their footprint but who have high expectations for control of their key pests. For pome fruit growers dealing with resistance and hard-to-control pests, **SPEAR-LEP** offers a new tool for their rotational program. With a new MOA, 0-day PHI and no MRLs, **SPEAR-LEP** will deliver equivalent control as traditional insecticides with a much softer profile. **SPEAR-LEP** targets Lepidopteran pests – loopers, worms and caterpillars.

SPEAR-LEP performs equivalent to a conventional standard to control PTB in almonds.



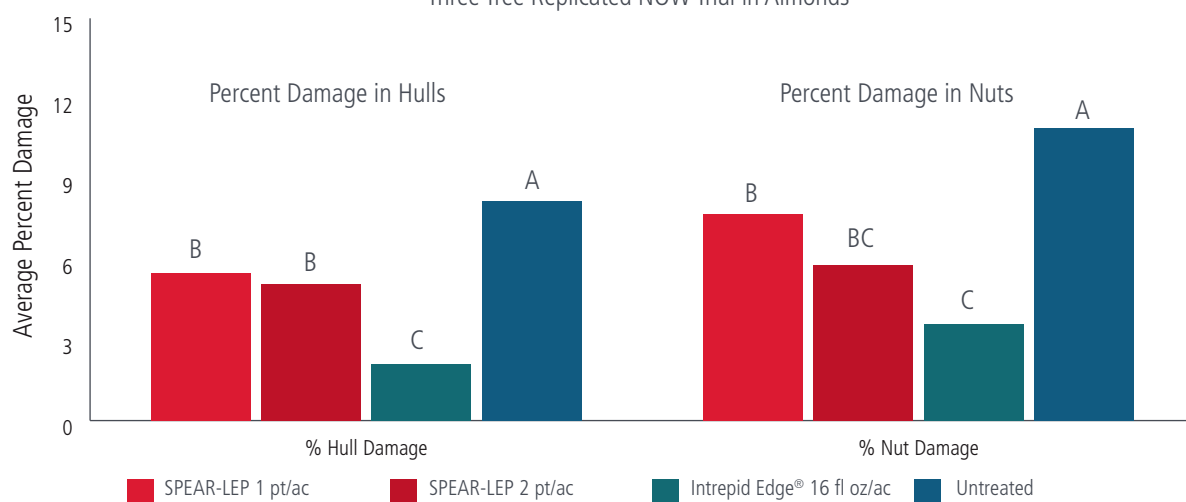
- 1 Untreated Check
- 2 SPEAR-LEP (2 pt/ac) + Leprotec® (1 pt/ac) + SYL-TAC-EA® (6 fl oz/100 gal)
- 3 SPEAR-LEP (1 pt/ac) + Leprotec (1 pt/ac) + SYL-TAC-EA (6 fl oz/100 gal)
- 4 Intrepid® 2F (16 fl oz/ac) + SYL-TAC-EA (6 fl oz/100 gal)

Means followed by same letter do not significantly differ. If graph contains multiple bars/lines, means from different evaluations (different colored vertical bars or different points on a line) do not correspond. (Non-Nutrition/Biological: P=.05, Nutrition/Biological: P=.10, LSD). If no letters are present, there is no significant difference.

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Efficacy of SPEAR-LEP against Navel Orangeworm in Almonds 2019

Three Tree Replicated NOW Trial in Almonds



Application Volume: 150 gal/ac Commercial Air Blast Sprayer
 Application Interval: Two Applications to Mature Almond Trees
 Application Timings: Hull Split and Hull Split + 14 Days

Bisabri Ag Research Esparto, Ca.
 Barat Bisabri

All SPEAR-LEP treatments tank mixed with 0.5 lb of DiPel® and 0.125 % v/v NIS
 Number of Replications: 4
 200 Hull and Nut Samples per rep

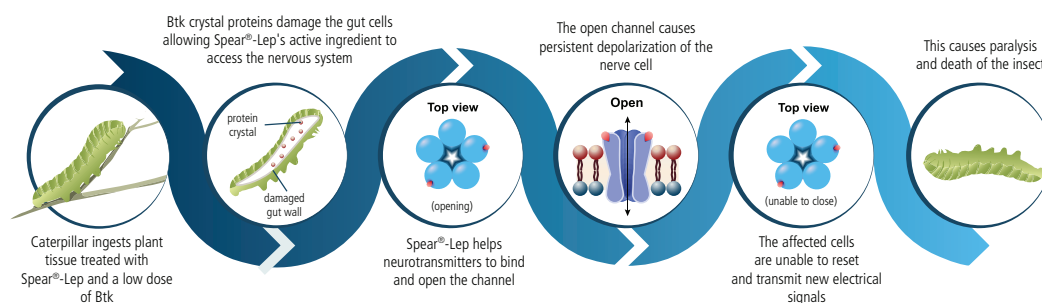
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Recommendation

- Apply with a *Bacillus thuringiensis* at a 1:1 ration with Spear-Lep
- Use rate: 1–2 pt + .5–1 lb Btk
- Interval: 7–14 days
- Carrier Volume: 75–150 gal/ac

Adjuvant Recommendation: **SYL-TAC-EA®**

- Miscellaneous Tank Considerations:
 - PH: Flexible pH from 3–8
 - Spray to wet, not to run-off



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