

Trial Outcomes

- Spear-Lep at 2 pt/A + Leprotec provides superior control of Navel Orangeworm vs. Altacor at 4.5 oz/A
- Plot sprayed with Spear-Lep had 69.2% mortality vs. Altacor at 40.6%
- Under conditions at this site Speare-Lep outperformed Altacor by nearly 30%

Trial Summary

Trialist:

- Walter Detrich, PCA
- Woodland, CA

Trial Design:

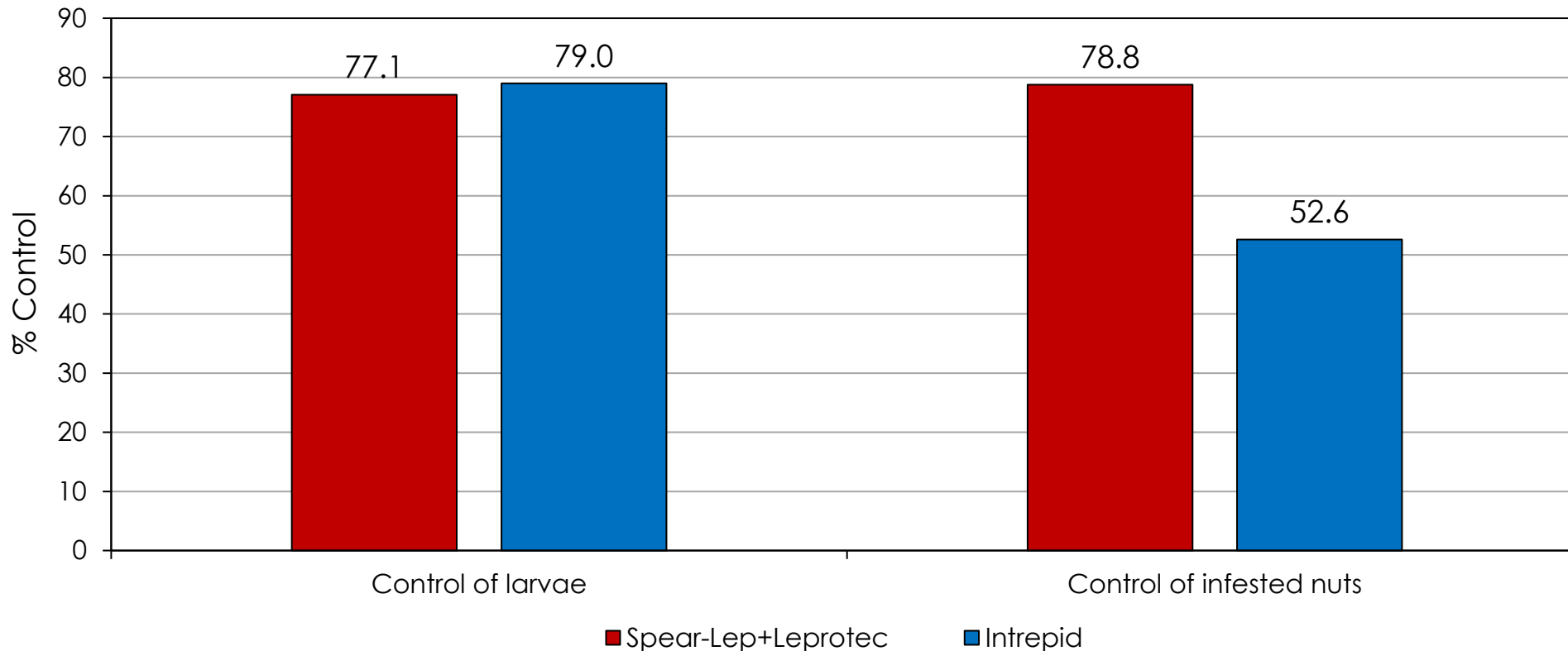
- Field Demonstration
- Application date: 5/21/2020
- Rating date: 5/25/2020

Products in Trial:

- Spear-Lep @ 2 pt/A + Leprotec (Btk) @ 2 pt/A
- Altacor @ 4.5 oz/A

Application:

- Old trees, unsanitized field
- 100 gal/A
- NOW infestation level in UTC 4.1%



Trial Outcomes

- When rated 7 days after application:
- Spear-Lep at 2 pt/A + Leptotec performed as well as Intrepid in controlling NOW larvae (77 vs 79% control)
- Spear-Lep + Leptotec outperformed Intrepid in controlling nut infestations (79 vs 53% control)

Trial Summary

Cooperators:

- Barat Bisabri, Applicator
- Dr. Joel Siegel, USDA-ARS, Trialist
- Gustine and Esparto Ranches, CA

Trial Design:

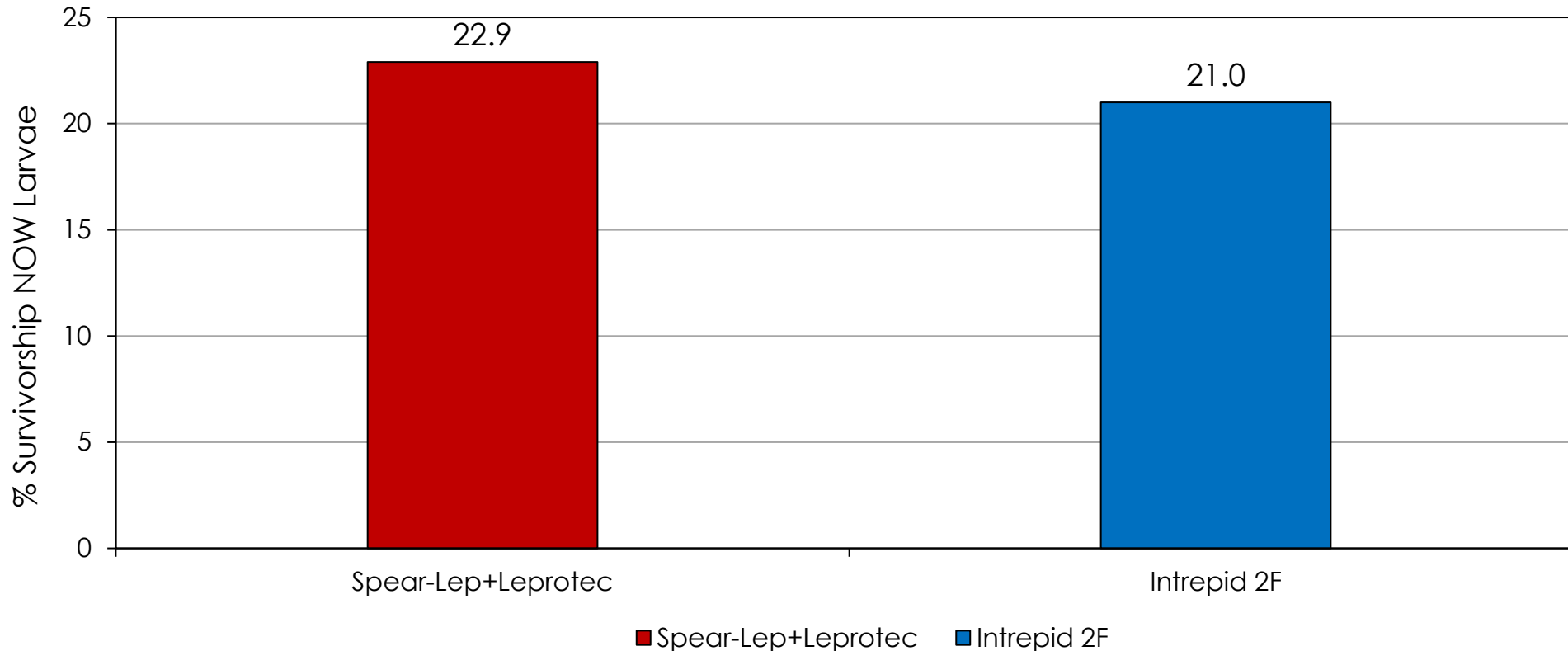
- Field-to-Lab study
- Field-sprayed mummies brought to lab 5 DAT and infested with 10 NOW eggs each

Products in Trial:

- Spear-Lep @ 2 pt/A + Leptotec (Btk) @ 1 pt/A
- Intrepid @ 20 fl oz/A

Application:

- Application date: 5/1/2020
- Rating date: 5/8/2020
- 100 gal/A
- Nut infestation in UTC 23.2%



Trial Outcomes

- When rated 7 days after application:
- Spear-Lep (2 pt/A) + Leptotec (1 pt/A) performed as well as Intrepid 2F (20 fl oz/A) in controlling NOW larvae
- Survivorship of NOW larvae was 23% for Spear-Lep + Leptotec and 21% for Intrepid 2F

Trial Summary

Cooperators:

- Barat Bisabri, Applicator
- Dr. Joel Siegel, USDA-ARS, Trialist
- Gustine and Esparto Ranches, CA

Trial Design:

- Field-to-Lab study
- Field-sprayed mummies brought to lab 7 DAT and infested with 10 NOW eggs each

Products in Trial:

- Spear-Lep @ 2 pt/A + Leptotec (Btk) @ 1 pt/A
- Intrepid 2F @ 20 fl oz/A

Application:

- Application date: 5/1/2020
- Rating date: 5/8/2020
- 100 gal/A
- Nut infestation in UTC 23.2%