

Cotton IPM

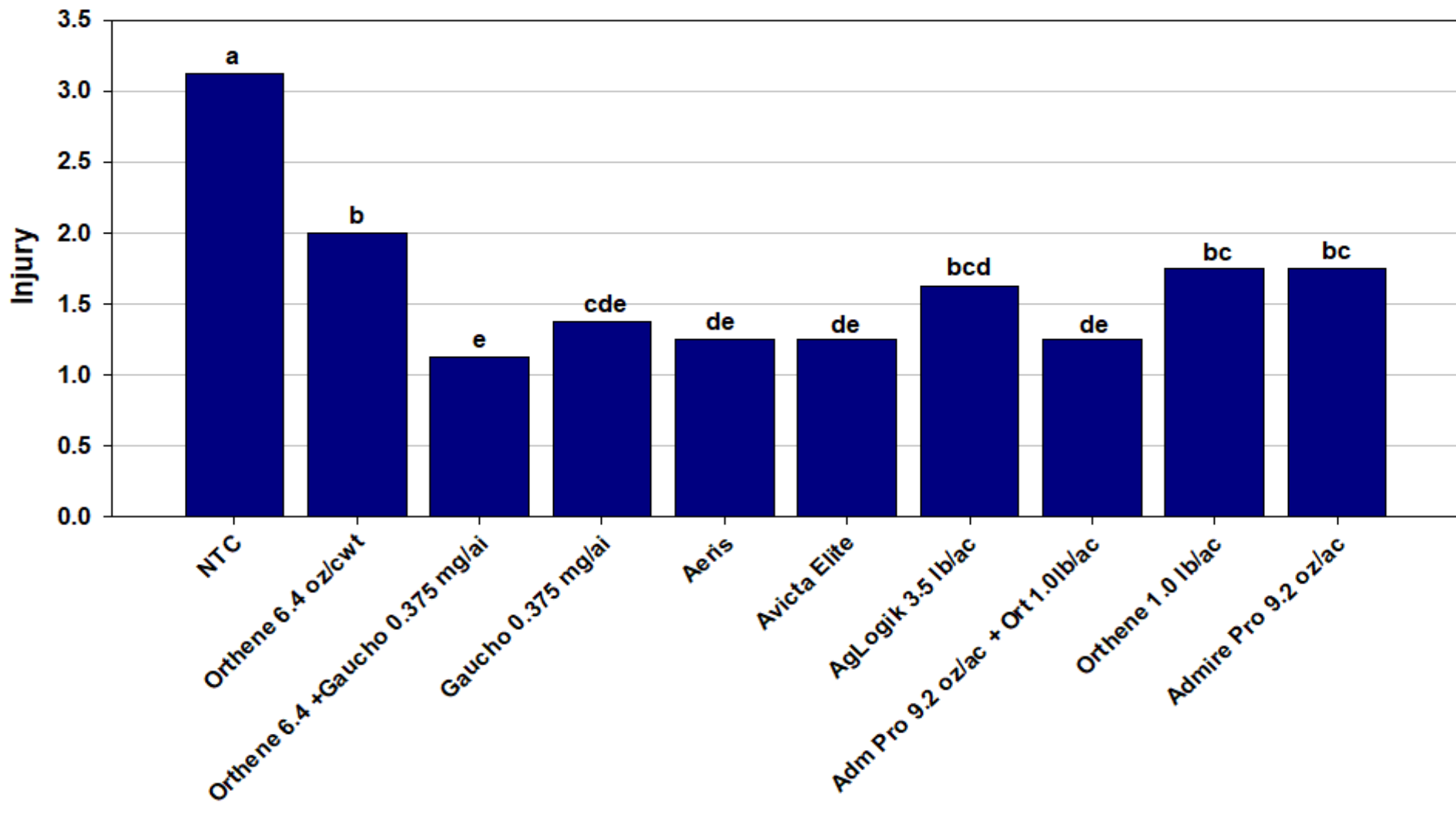
**Louisiana Agricultural Technology and Management
Conference
February 11-13, 2019**

Sebe Brown



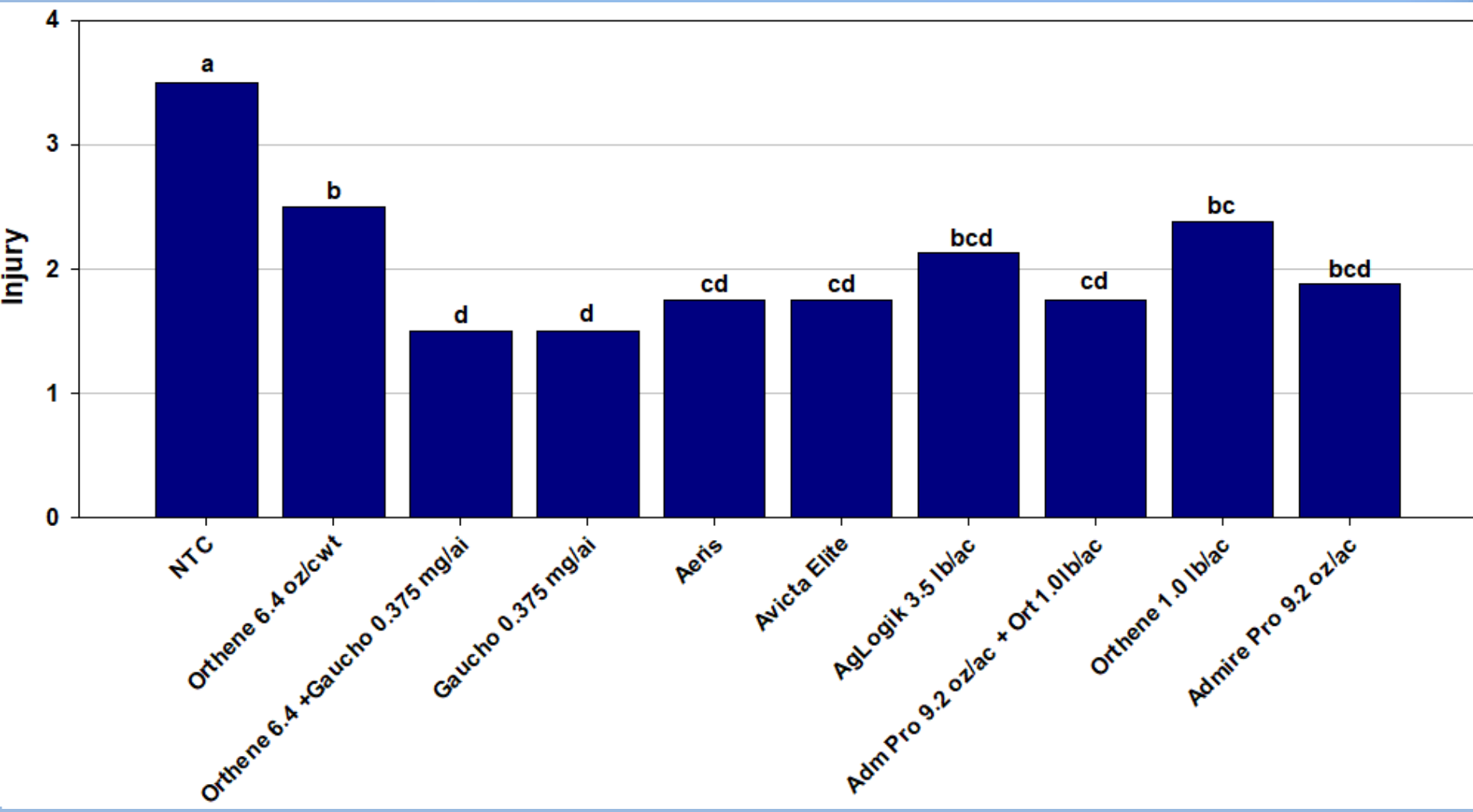


Thrips Injury: 1-2 TL



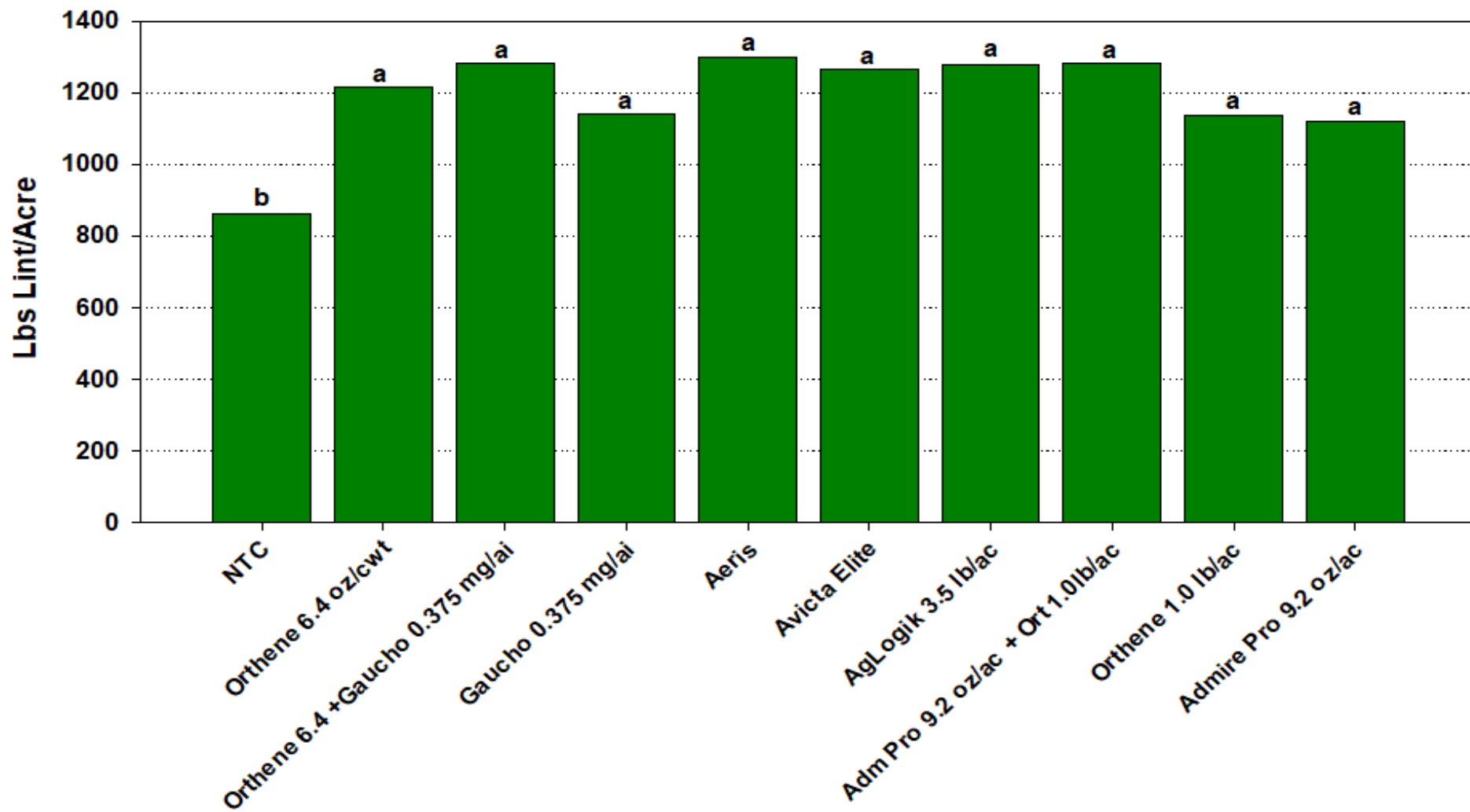


Thrips Injury: 4TL





Yield





Thrips Foliar Options

- Dimethoate: Inexpensive, decent at high rates
 - Less effective on Westerns, Acephate or Bidrin better choice
- Acephate: Effective on Westerns and Tobacco
 - Risk of flaring spider mites
- Bidrin: Effective on Westerns and Tobacco
 - Less likely to flare mites, less flexibility early season
- Radiant: More effective on Western than Tobacco
 - Expensive, requires adjuvant, least likely to flare mites
- Intrepid Edge: Equivalent to Radiant
 - Applying two modes of action but only using one



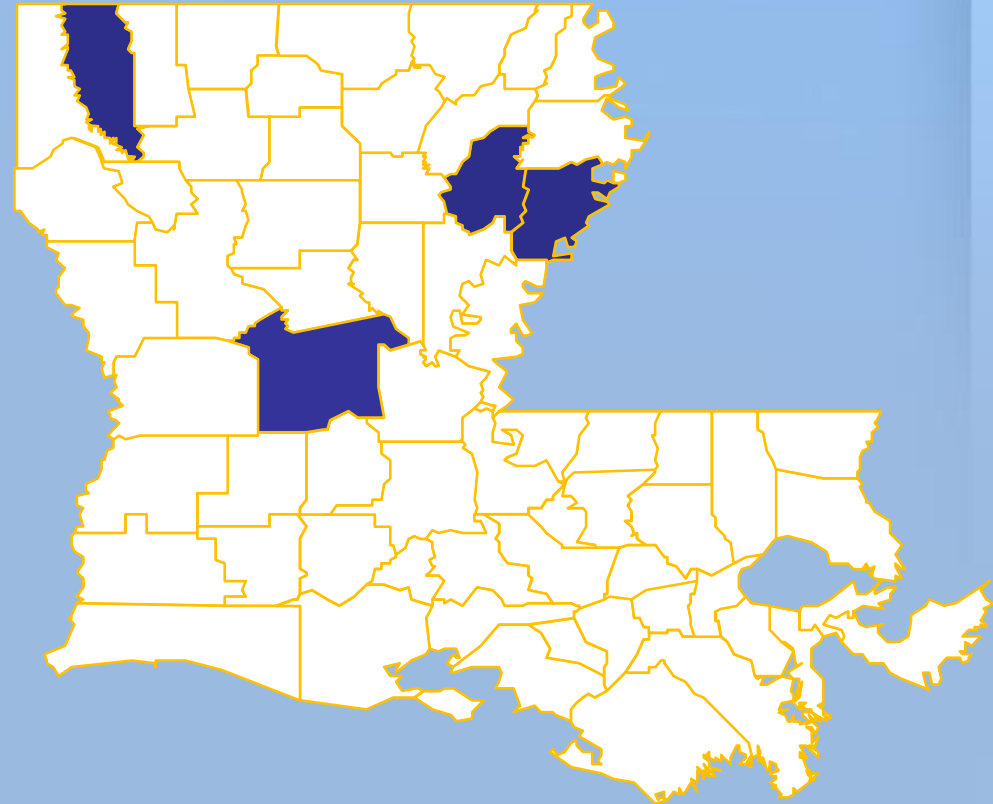
Louisiana Bt Performance





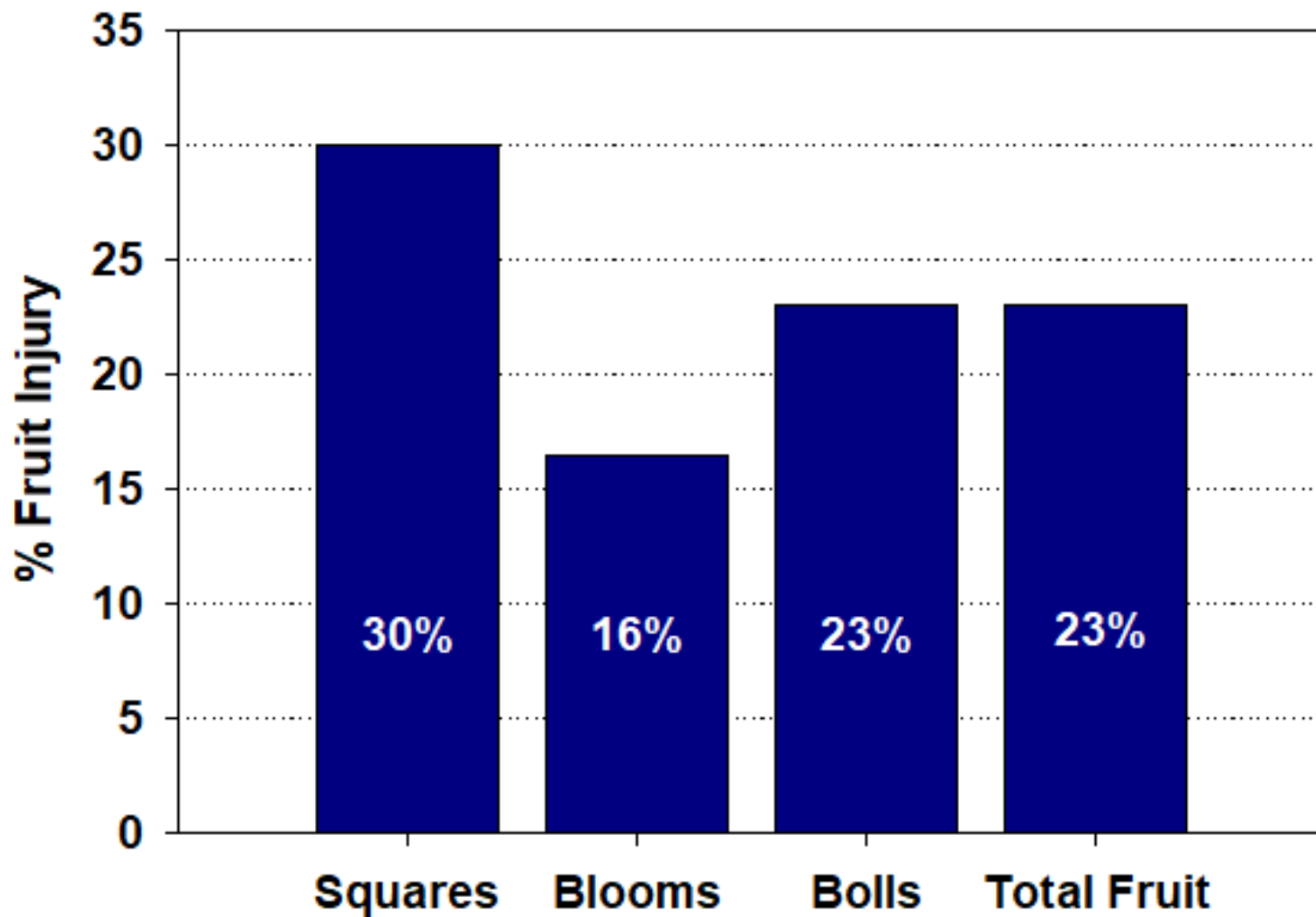
Bt Sentinel Plot Locations

- Red River Station
- Macon Ridge Station
- Northeast Station
- Rapides Parish: Pete DeKeyzer Farm



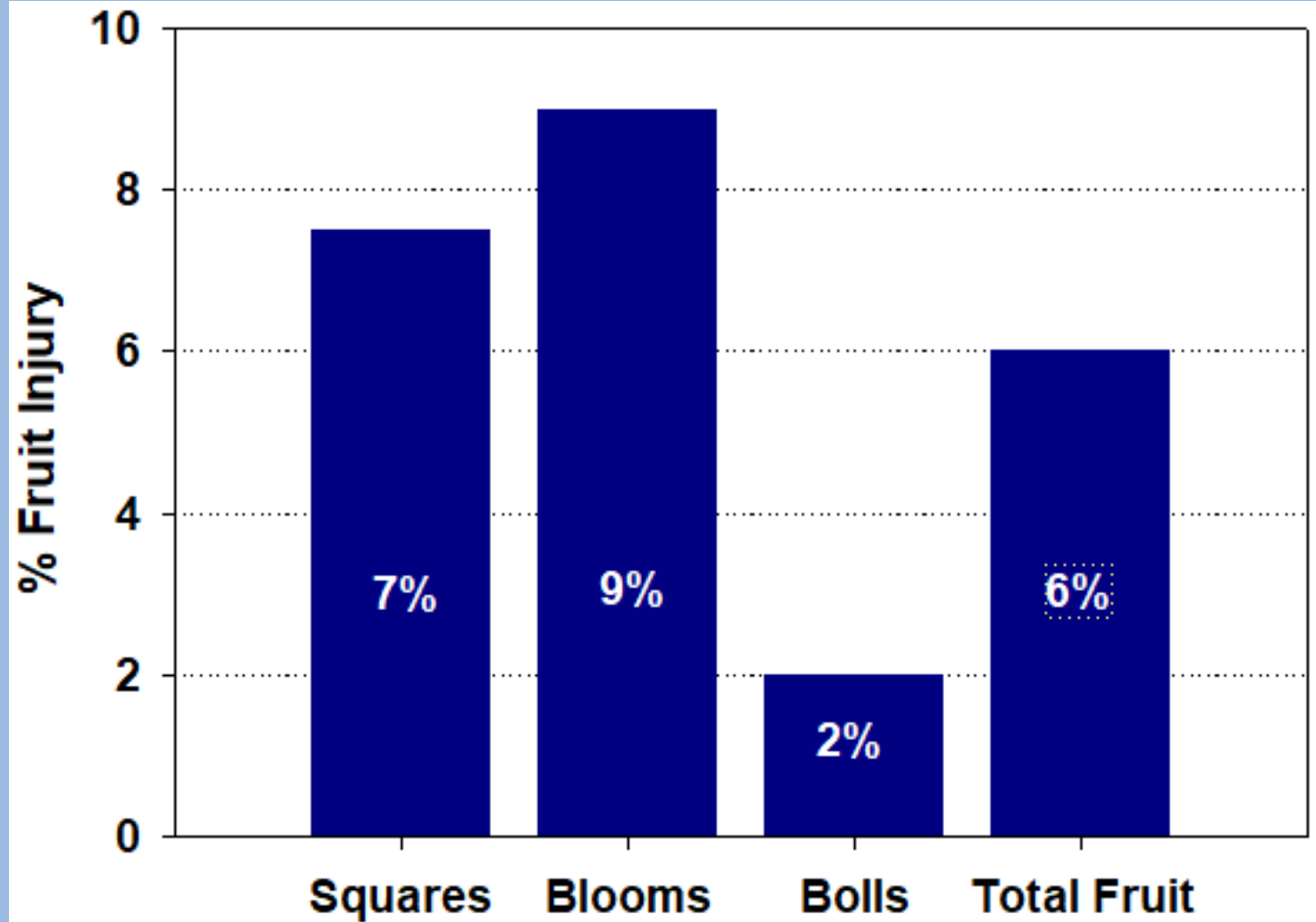


Rapides Parish BG2: July 24





Rapides Parish BG3: July 24

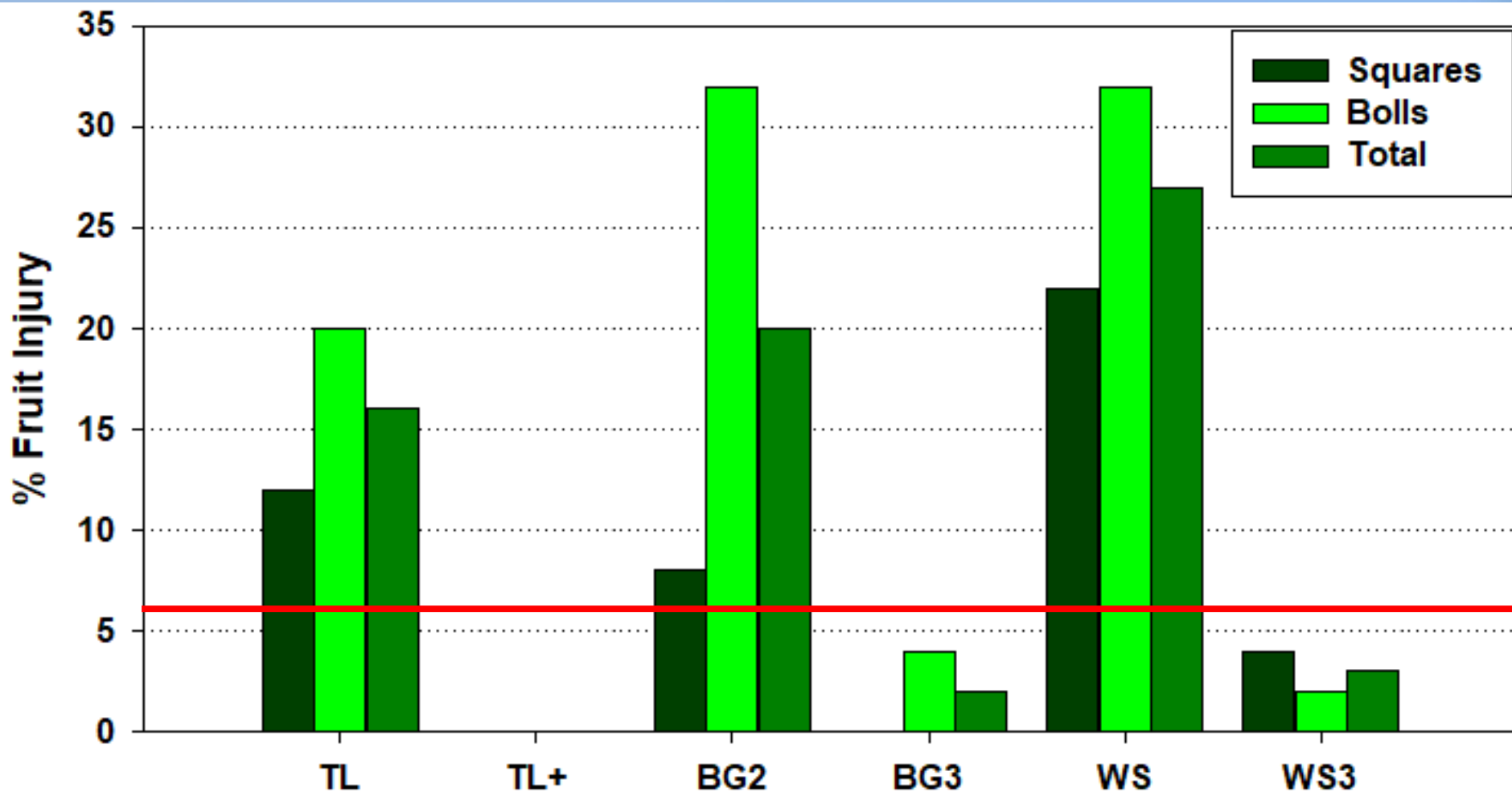


Rapides Parish WS3 Injury: July 23



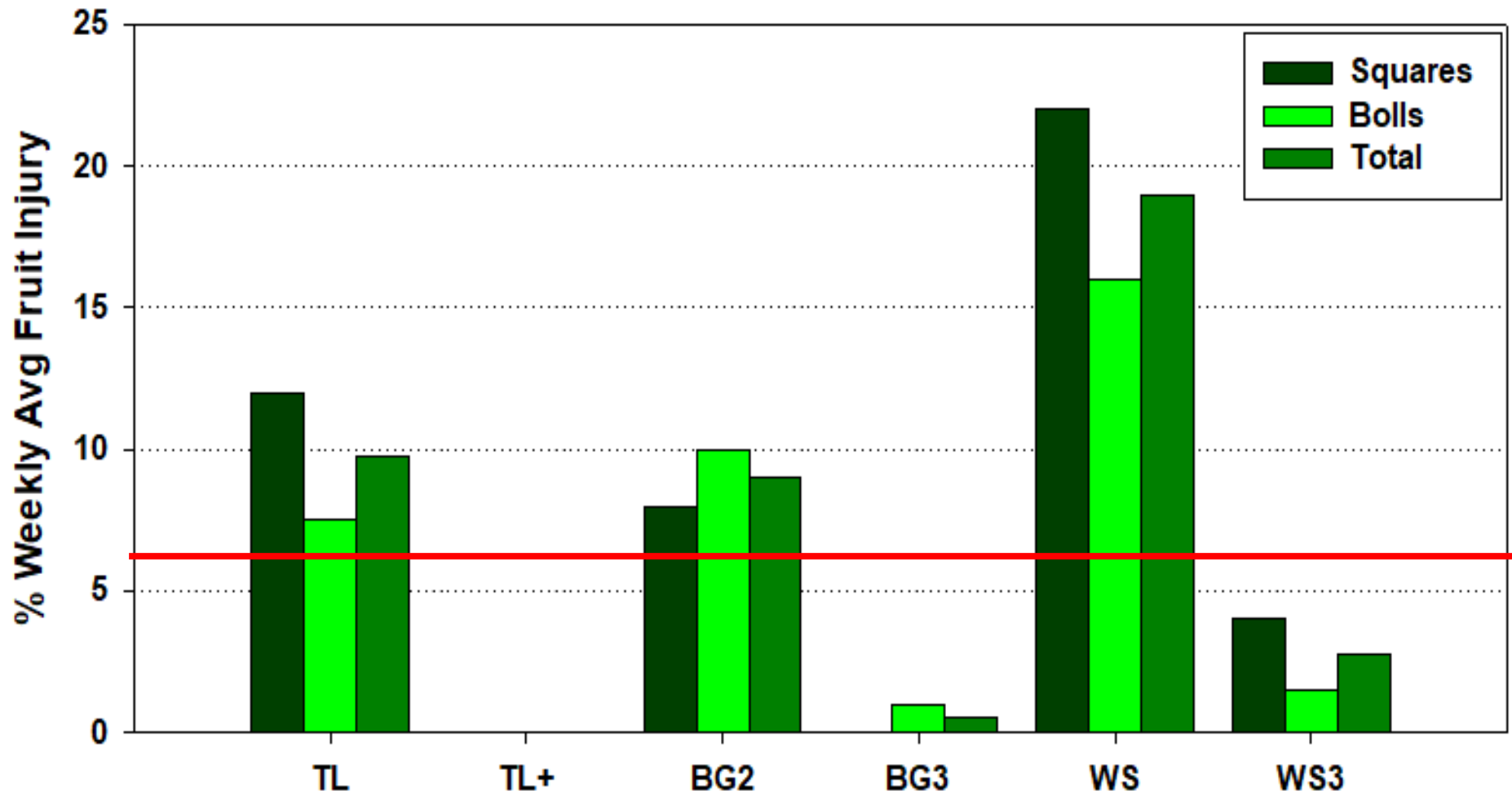


Red River: July 24 (B. Fitzpatrick)



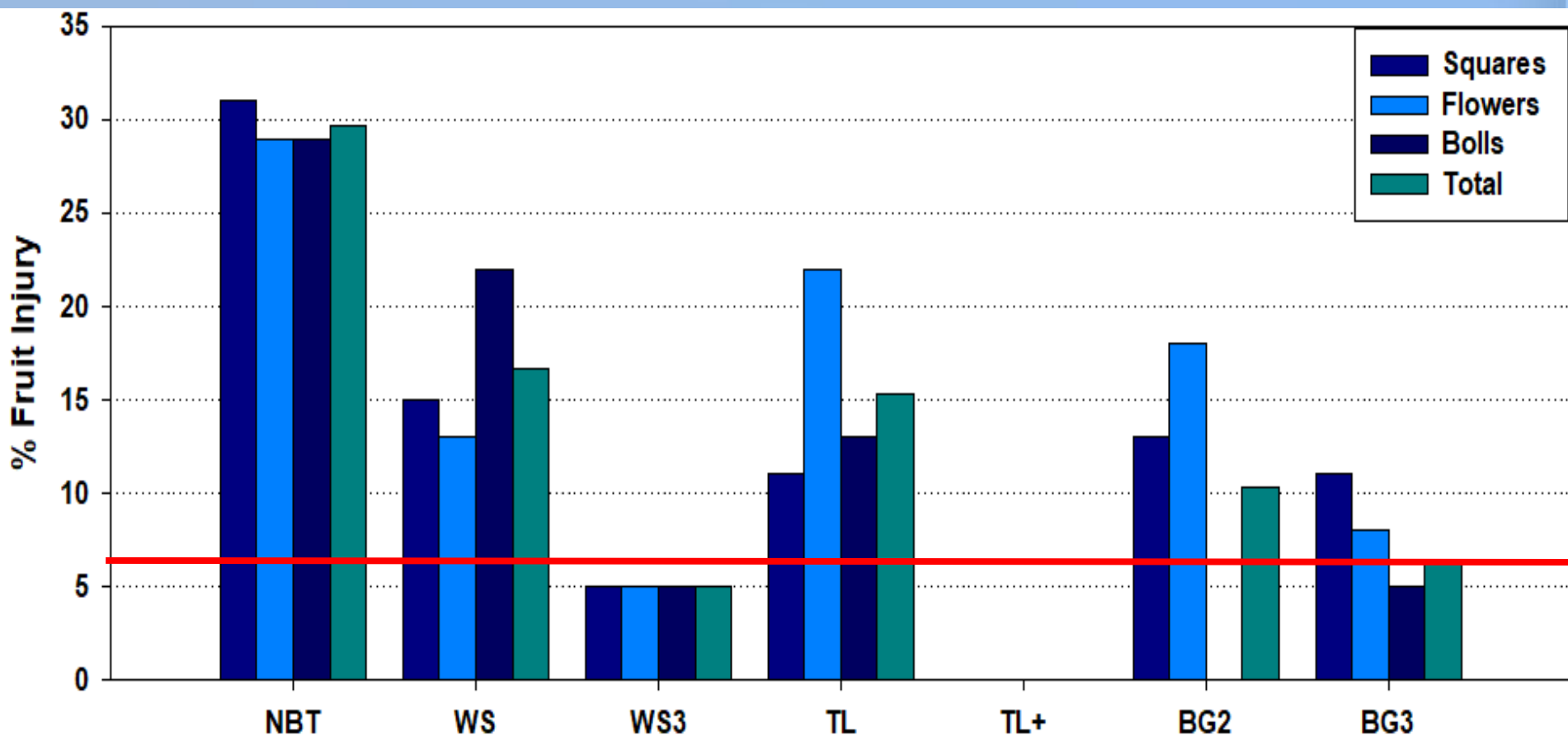


Red River (B. Fitzpatrick)



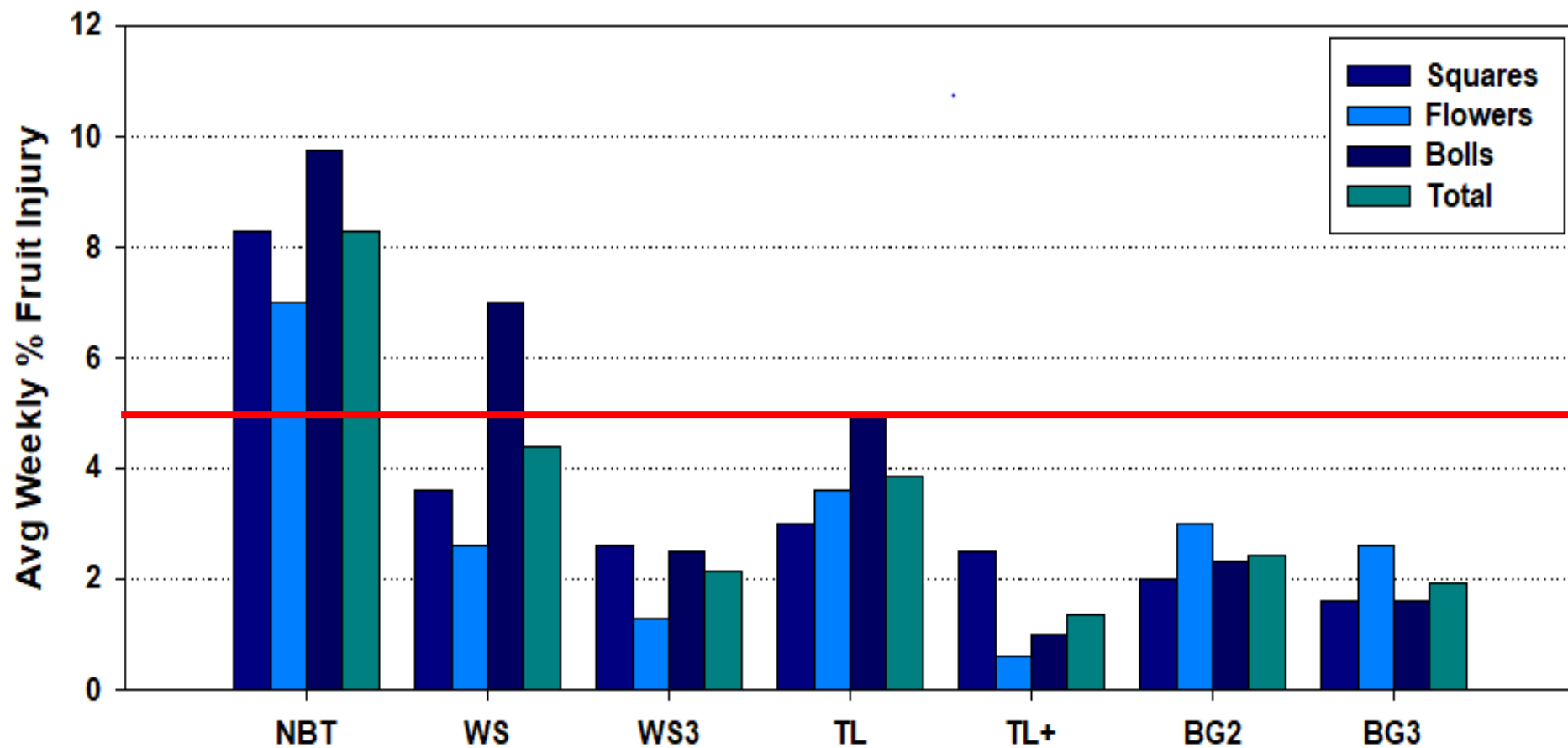


Macon Ridge: July 23



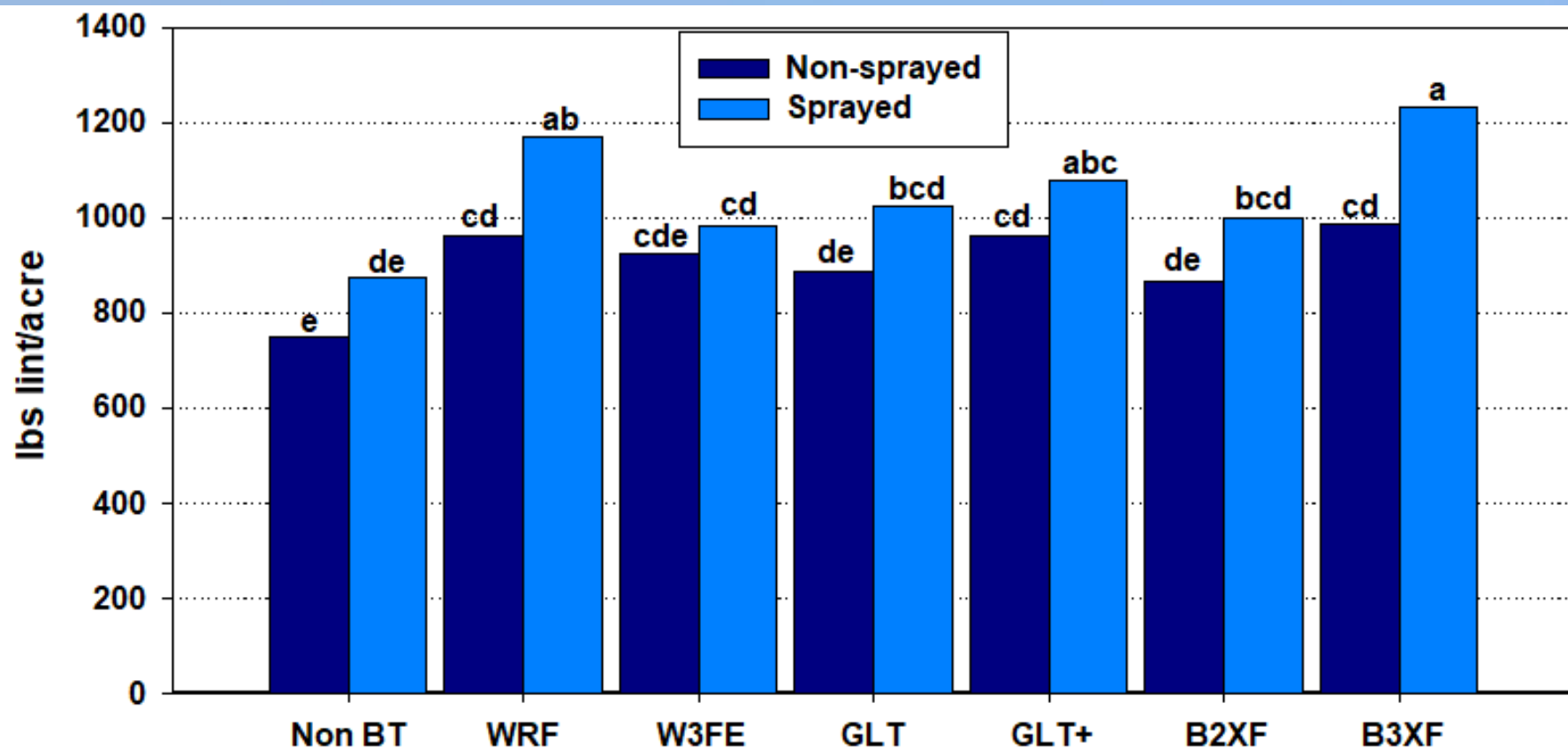


Macon Ridge



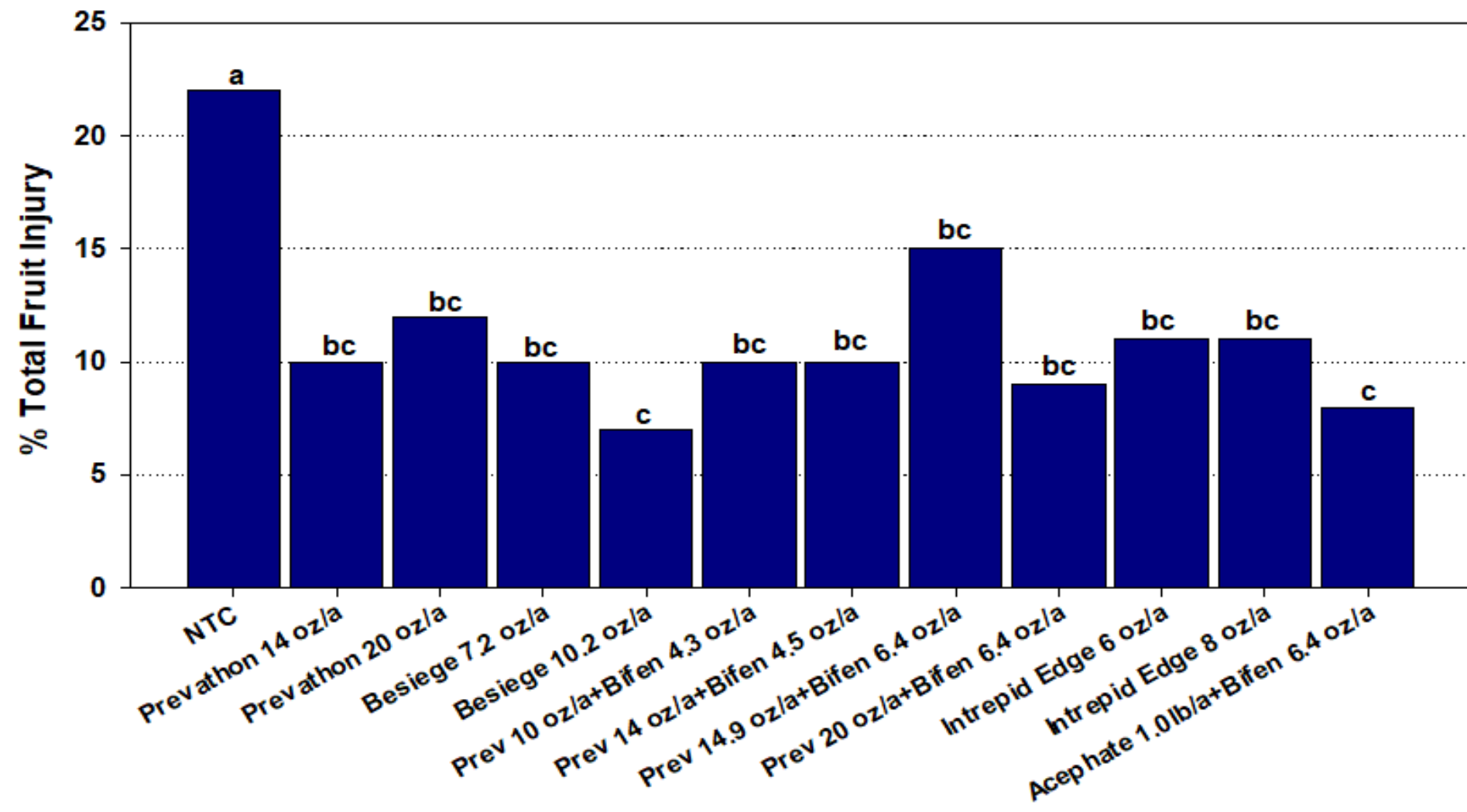


Bt Overspray: MRRS



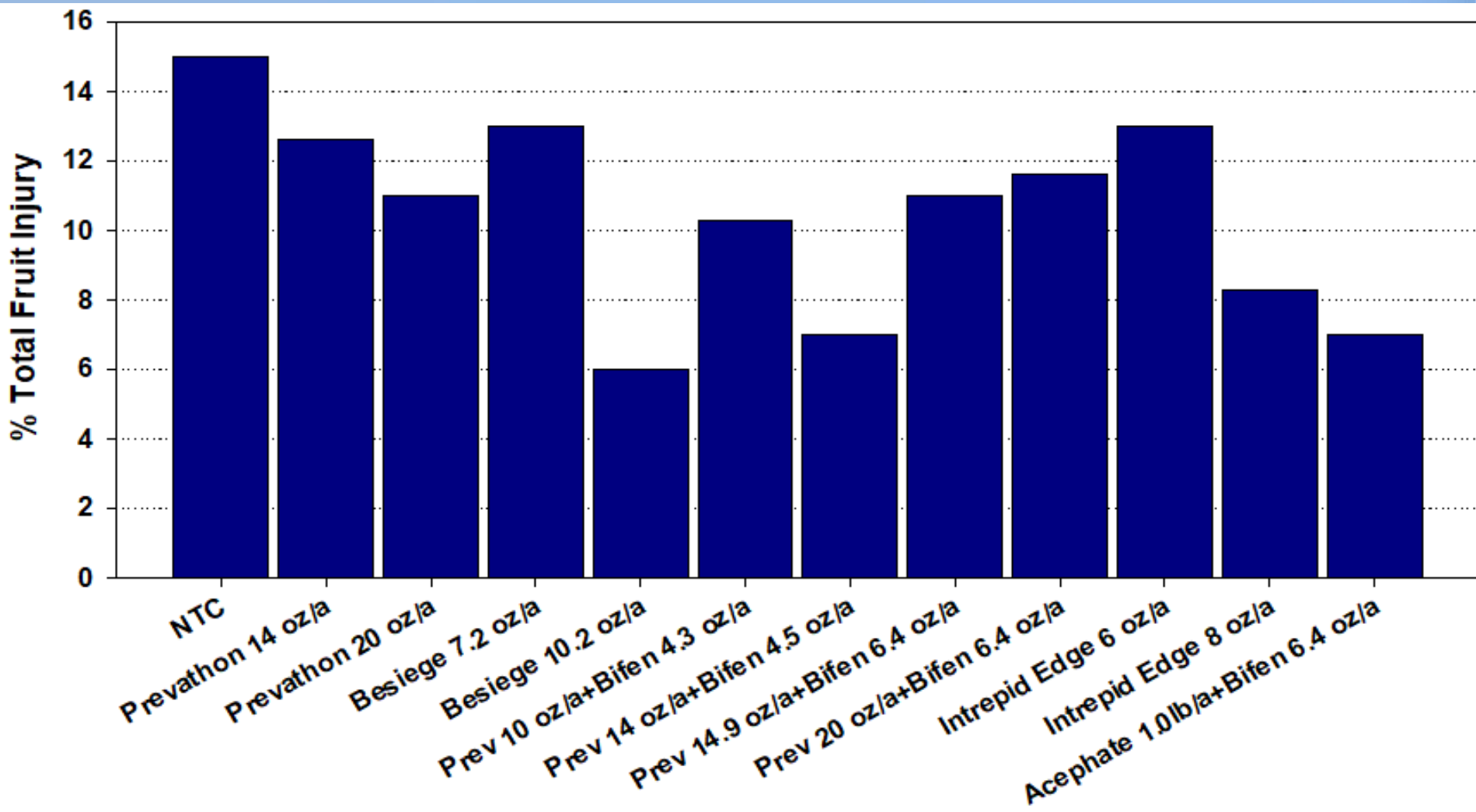


Bollworm Overspray 4 DAT



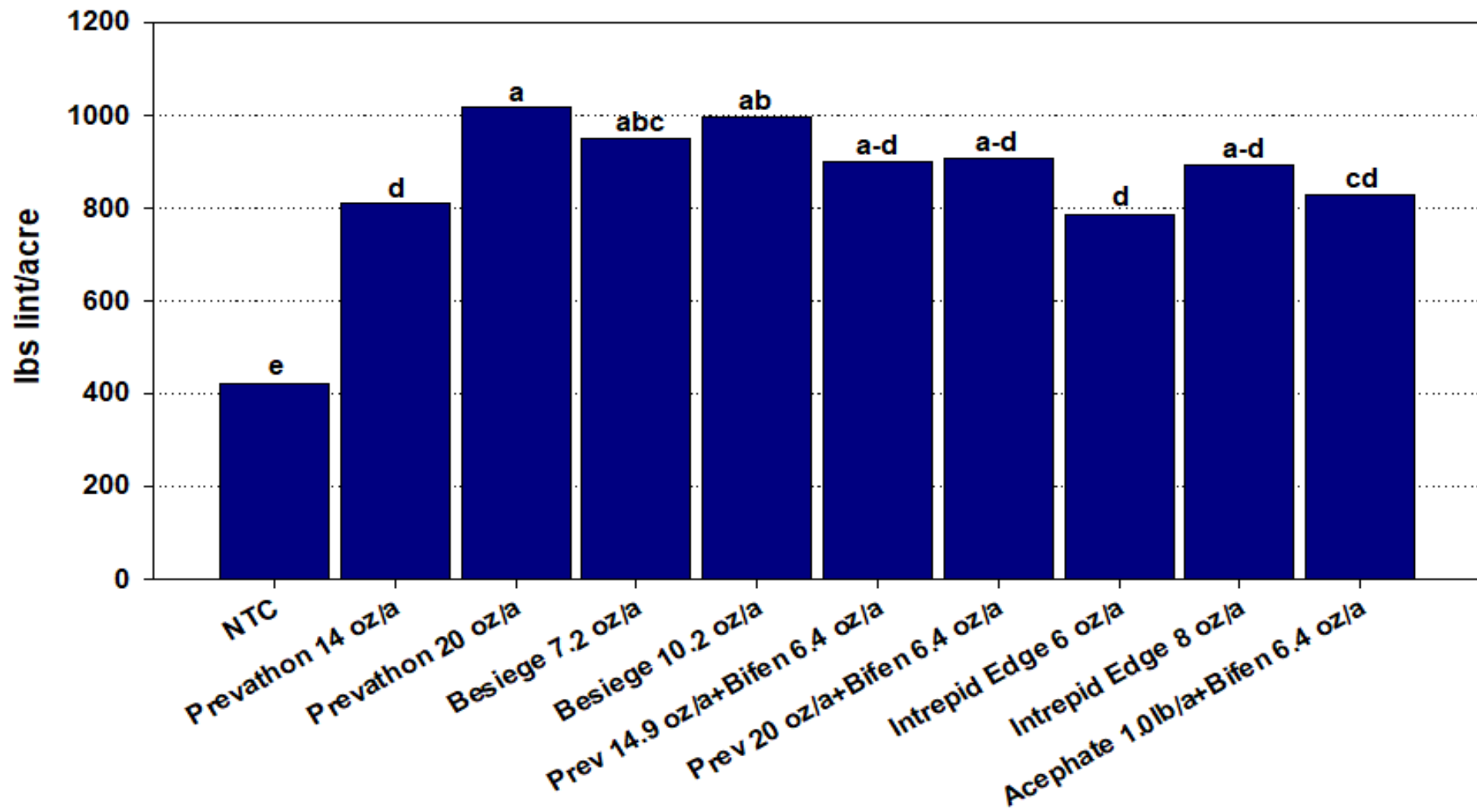


Bollworm Overspray 7 DAT





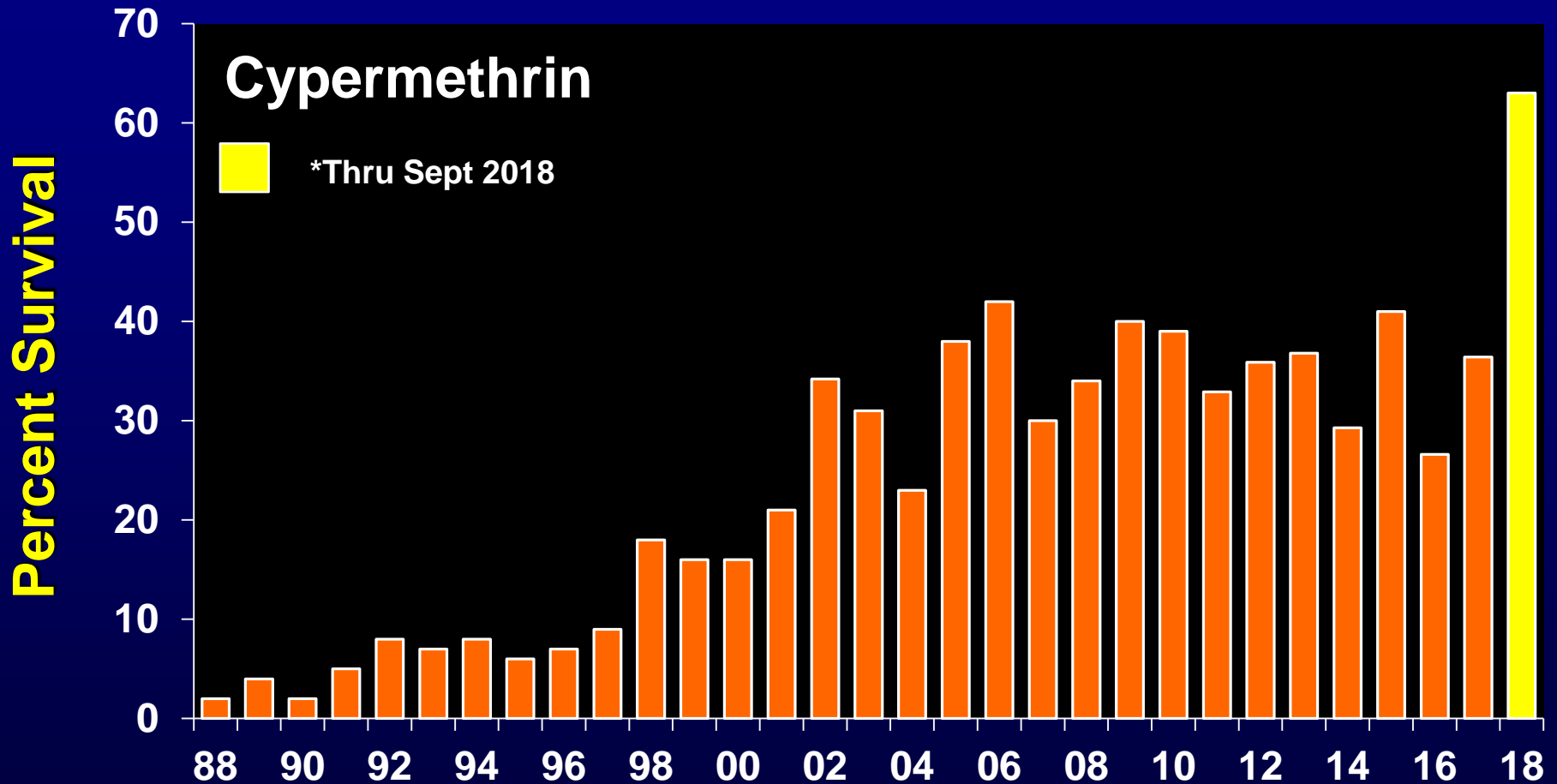
Bollworm Overspray: Yield



Resistance Monitoring Survey Cypermethrin (May-Sep Mean Survival)

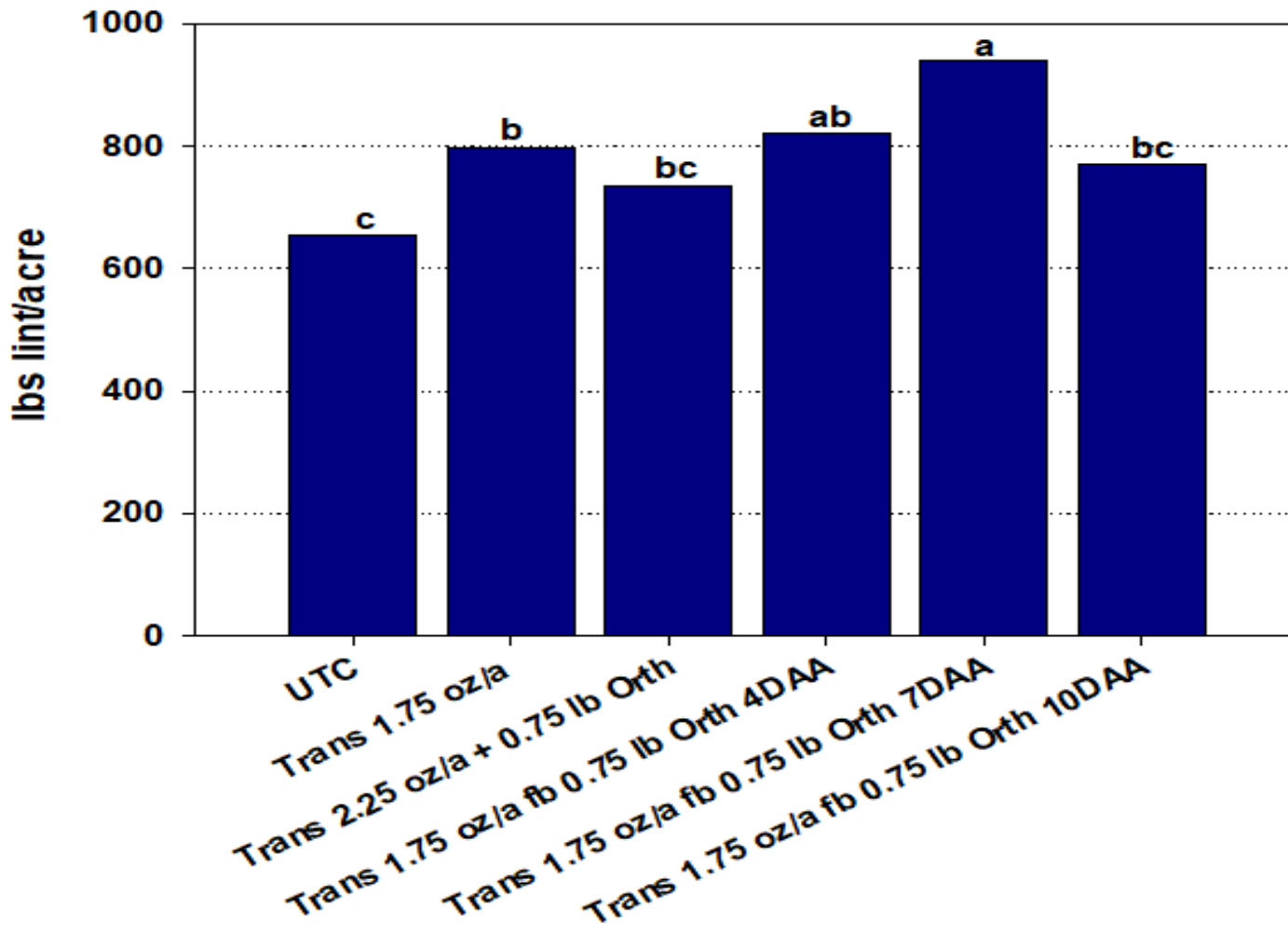


Annual Bollworm Survival (5 µg/vial)





TPB Treatment Interval: MRRS





TSSM Resistance Update

- Abamectin field control failures selection driven
- No reports of failures at high rates
- Increased use of Glufosinate suppresses populations

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<http://journal.cotton.org>, © The Cotton Foundation 2018

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ARTHROPOD MANAGEMENT

Glufosinate Ammonium Suppresses *Tetranychus urticae* in Cotton

Sebe Brown*, David Kerns, and Fei Yang



Thank You

