

Diamond Insecticide Sugarcane

by

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MANA MAKES SENSE.



- **Common name is novaluron**
- **New chemistry – Chitin Inhibitor**
 - **Insect resistance management tool**
- **Residual Control – product not degraded by UV light.**
 - **Product present on cotton and other crops for 14+ days.**
- **Rainfast in a few hours**
- **IPM Friendly – easy on beneficial insects**
- **Low Mammalian toxicity**



MANA MAKES SENSE.

Diamond Insecticide Sugarcane

- Section 18 Emergency Exemption in August 2006
- Chemtura was marketing Diamond at that time and through 2007
- In 2007 Chemtura made strategic changes in their Business Model and decided to exit the Diamond business
- In late 2007-2008 Chemtura granted distribution rights for Diamond™ to MANA
- EPA issued the Diamond sugarcane label in January 2009



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Diamond 0.83EC

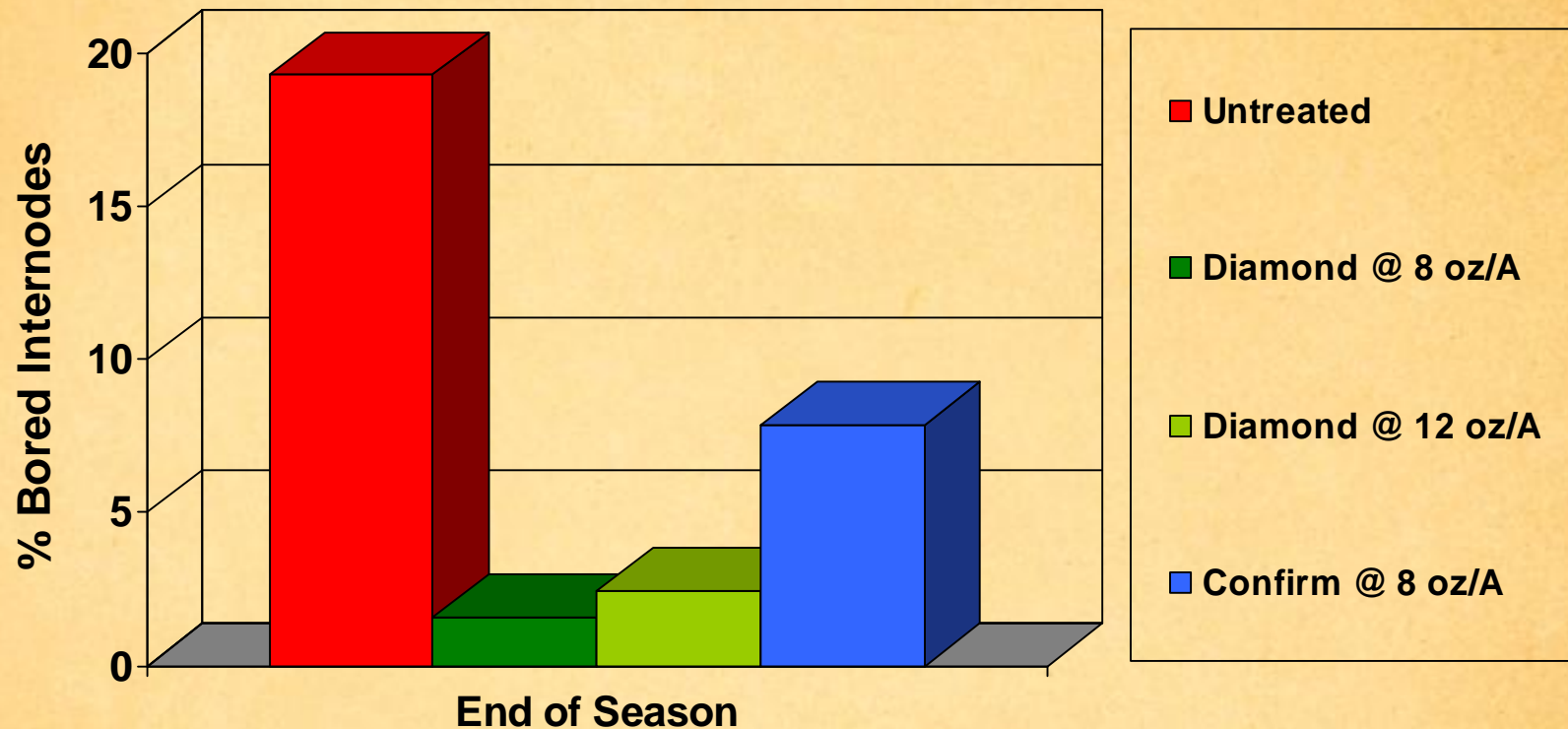
Label Use Pattern - Sugarcane

- Use Rates: Sugarcane Borer - 9-12 fl oz/A
Mexican Rice Borer – 12 fl oz/A
- Application Volume: Air – 2 to 5 gal/A
- Ground – 10 gal/A minimum
- Timing: At SCB / MRB economic thresholds determined by local authorities, e.g. 5% larval infestations.
- Do not apply more than 5 applications per season
- Do not apply more than 60 ounces per acre per season
- ‘Warning’ signal word - potential temporary eye injury
- PHI = 14 days, REI = of 12 hours.



TALES SENSE.

Sugarcane Borer Control Cheneyville, LA – 2004



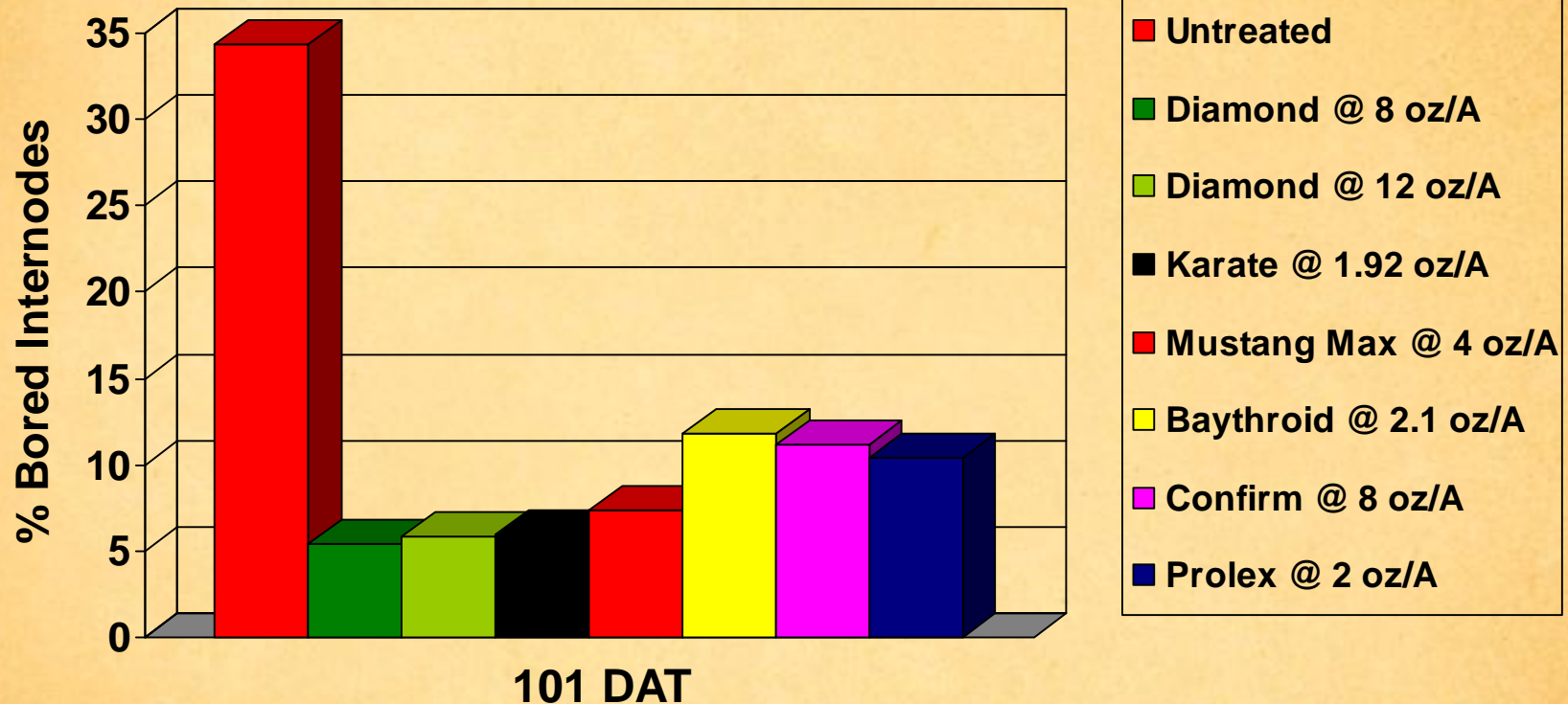
Aerial applications (5 gal/A) were made on July 16 and August 13. All treatments were applied with Latron CS-7 @ 0.25% v/v. There were no treatment differences for any beneficial arthropod monitored.



MANA MAKES SENSE.

Source: Dr. Grady Coburn, Pest Management Enterprises, Inc.

Sugarcane Borer Control St. Gabriel, LA - 2005



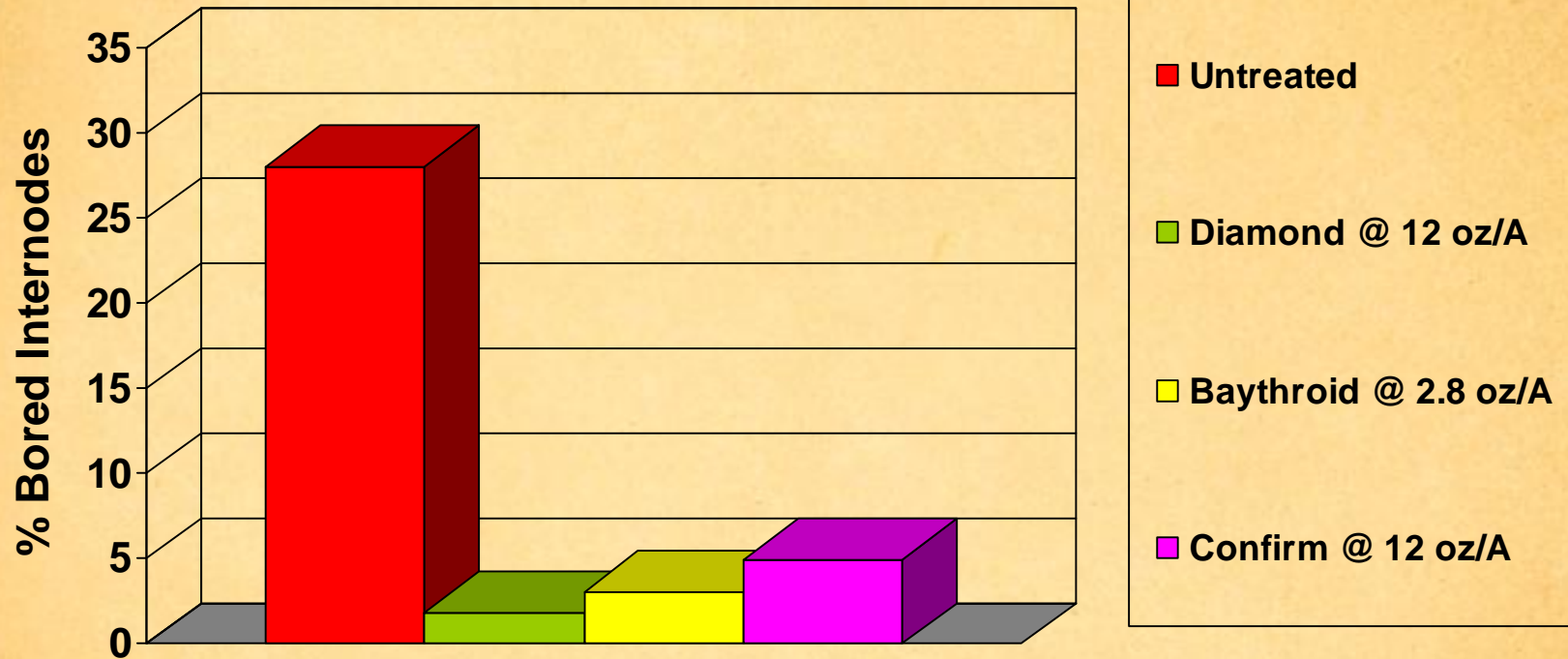
Application was made on July 26. All treatments were applied with Latron CS-7 @ 0.25% v/v.



MANA MAKES SENSE.

Source: Dr. T.E. Reagan, LSU AgCenter.

Sugarcane Borer Control Burns Point, LA - 2009



Applications made on July 7 and August 6, 2009

Rated at harvest on October 13, 2009

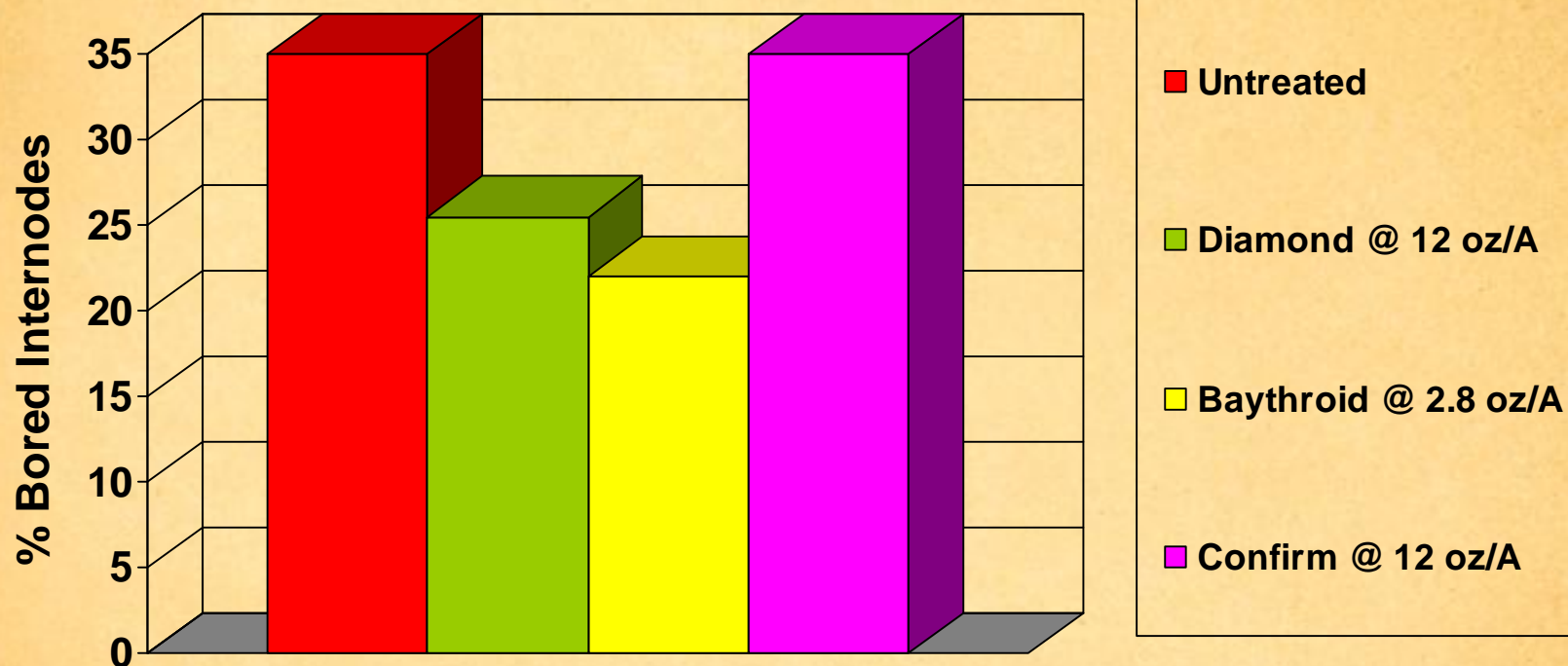
RCBD - Small Plot – Five Replications



MANA MAKES SENSE.

Source: Dr. T.E. Reagan, LSU AgCenter.

Mexican Rice Borer Control Ganado, TX - 2009



Applications made on June 19, July 22 and August 20, 2009

Rated at harvest on September 24, 2009

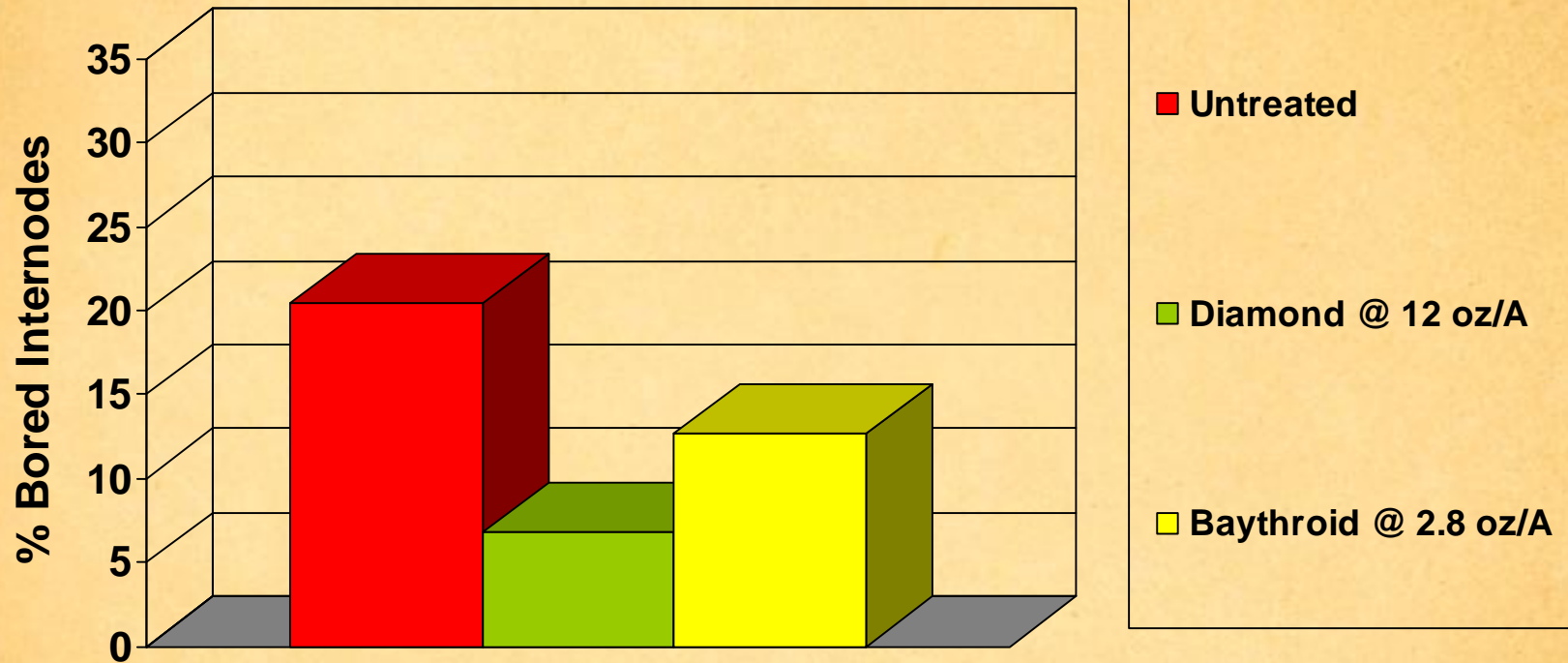
RCBD - Small Plot – Four Replications



MANA MAKES SENSE.

Source: Dr. T.E. Reagan, LSU AgCenter.

Mexican Rice Borer Control Cameron County, TX - 2009



Large Plot Aerial Study – Five Replications



MANA MAKES SENSE.

Source: Dr. T.E. Reagan, LSU AgCenter.

Diamond Use on Sugarcane

- **Use Rates: Sugarcane Borer - 9-12 fl oz/A**
Mexican Rice Borer – 12 fl oz/A
- **Highly effective SCB and MRB control tool**



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Thank You for Your Interest
and
Thanks for Supporting MANA
Products



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