Following up on the “Duson Strain “

- In 2004 a field of cane experienced difficulty in controlling sugar cane borers with Confirm.
- A bioassay was for done to evaluate the potential for resistance. The field has since been referred to as the “Duson Strain”
- There has been only ONE non-performance complaint with Confirm since 2004,(changing the low drift tips to flat fans solved that one) but I felt that a follow up evaluation on the same field was prudent.

Sugarcane borer counts with Confirm and Prolex in Sugarcane - 2007

Sugarcane Borer Locations, Treatment Dates and Treatments

Duson, LA.– 07/03/07 ; Treated the whole area with Confirm at 6 oz/acre on 1st application;

At second application on 08/08/07,field was split into halves with South half treated with 6 oz/acre of Confirm in the am ,and the north half with 1.5 oz/acre of Prolex. The application of Prolex was applied in mid afternoon and did not control borers due to hot dry conditions(103 degrees) and was re-applied on 08/22/207. A spreader sticker adjuvant was used with both insecticides.

Perry, LA. – 07/04/07; Treated with 6 oz/acre of Confirm plus an 80/20 spreader sticker surfactant. Due to the sugarcane borer population not exceeding 5%, a second or sequential application was not necessary.

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Prolex™/ Proaxis™ Positioning

Prolex™ & Proaxis™ insecticides containing **Gamma-cyhalothrin** are advanced, single isomer pyrethroids that provide:

Outstanding, broad spectrum control

- through contact and ingestion activity
- ***greater efficacy***[1] than most other pyrethroids at high temperatures
- at lower rates of ***active ingredient*** than most other pyrethroids as a result of the resolved isomer technology

Unique

- that delivers quick knockdown and excellent residual control
- that is easy to mix and handle (1 gallon jug)
- that carries a ***CAUTION*** Signal Word

ased on DAS laboratory studies

Materials & Methods

st: *Sugarcane borer; Diatraea saccharalis (F.)*

ation: Duson and Perry, LA

duct: Confirm (Tebufenozide) and Prolex (gamma cyhalothrin)

p: Sugarcane

ety: HoCP 96-540 plant cane

e Trial: Large Plot non replicated

atments were applied based on 5% live SCB larval infestations in the leaf sheath;

lications by air with 3 gallons of finished formulations per acre

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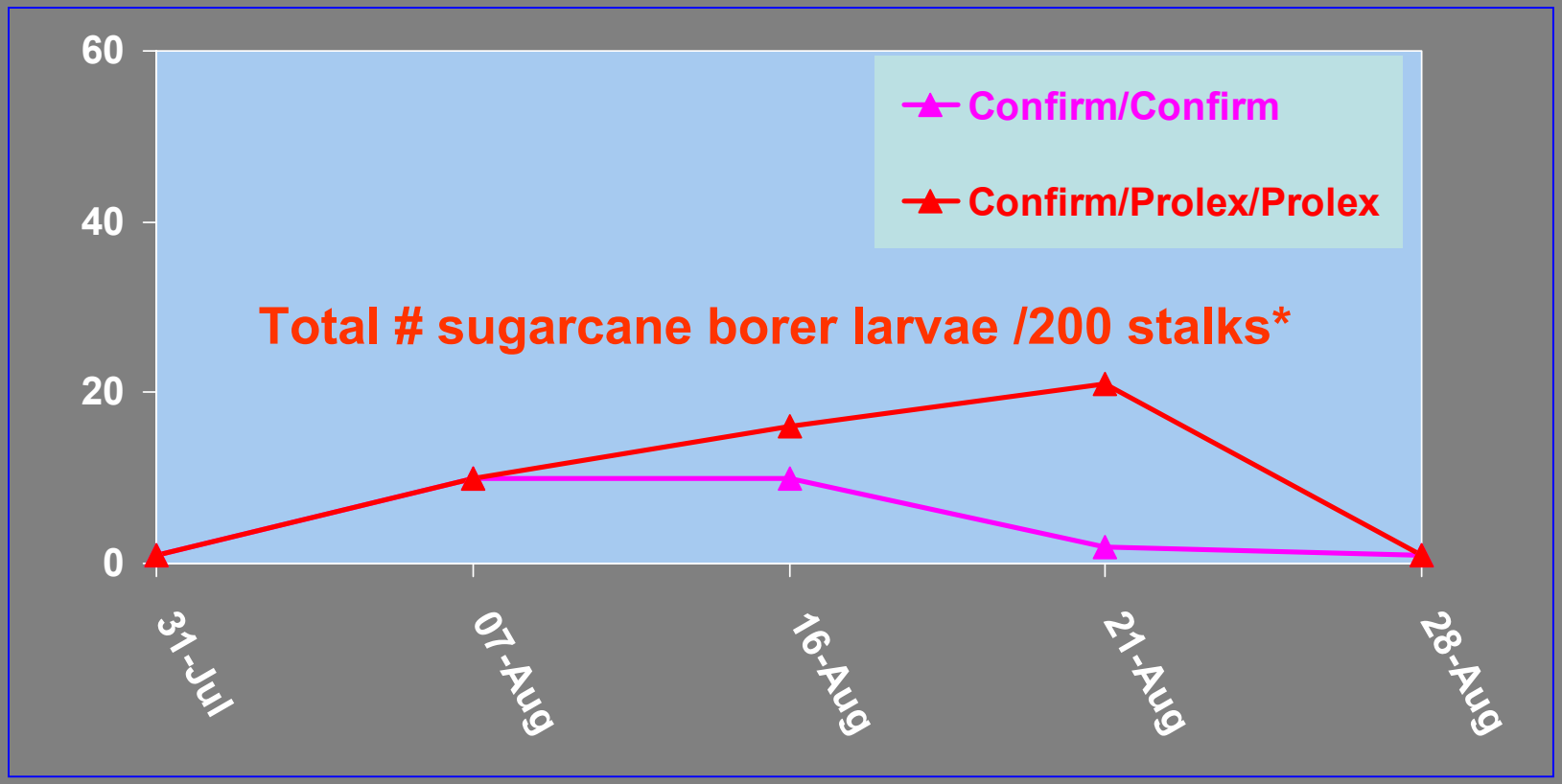
Sugarcane Borer Data
Duson, LA.



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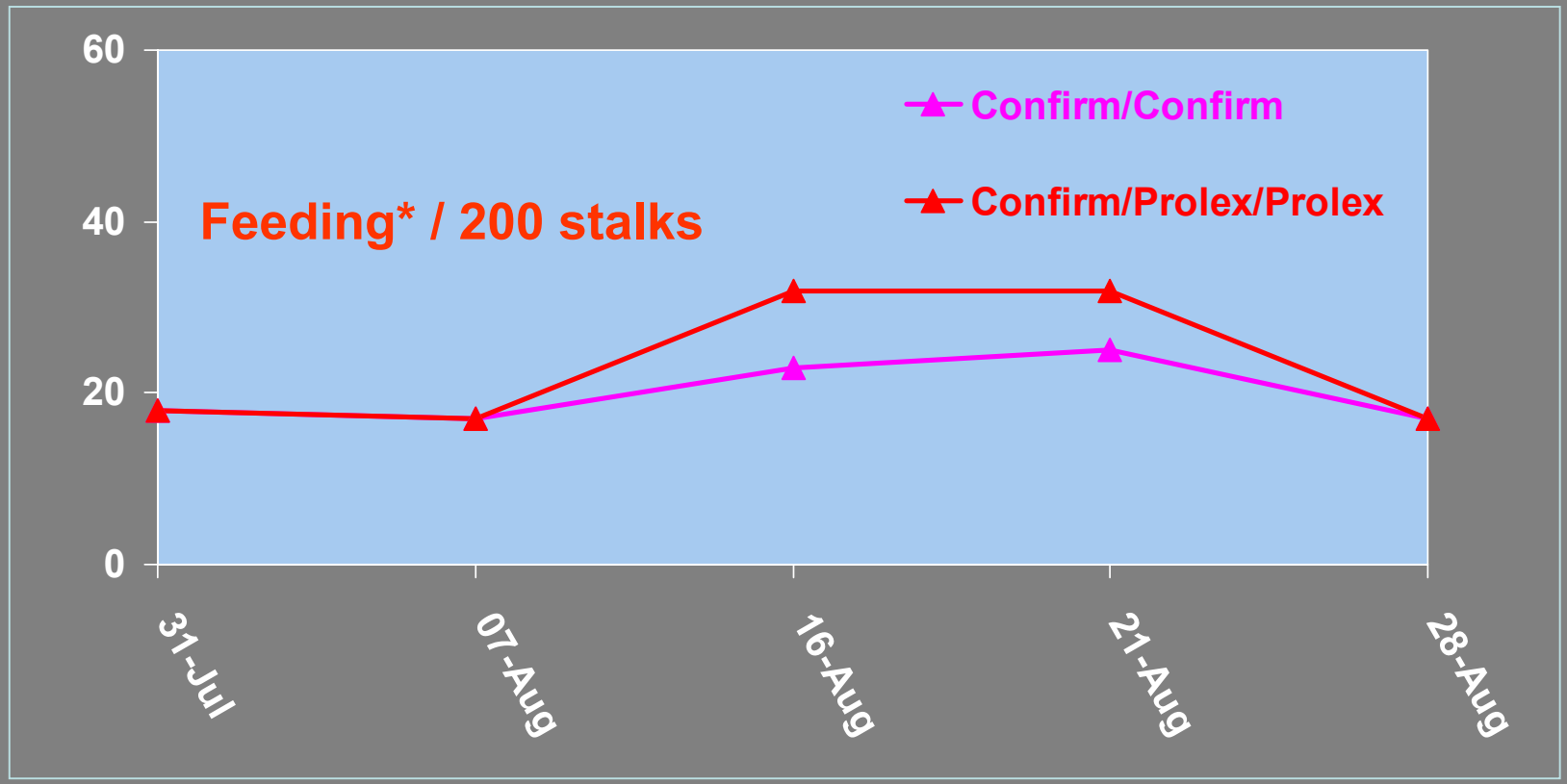
Sample Dates

*Counts were made by striping the stalk at each node from the whorl of the stalk to the ground

Sugarcane Borer Data
Duson, LA.



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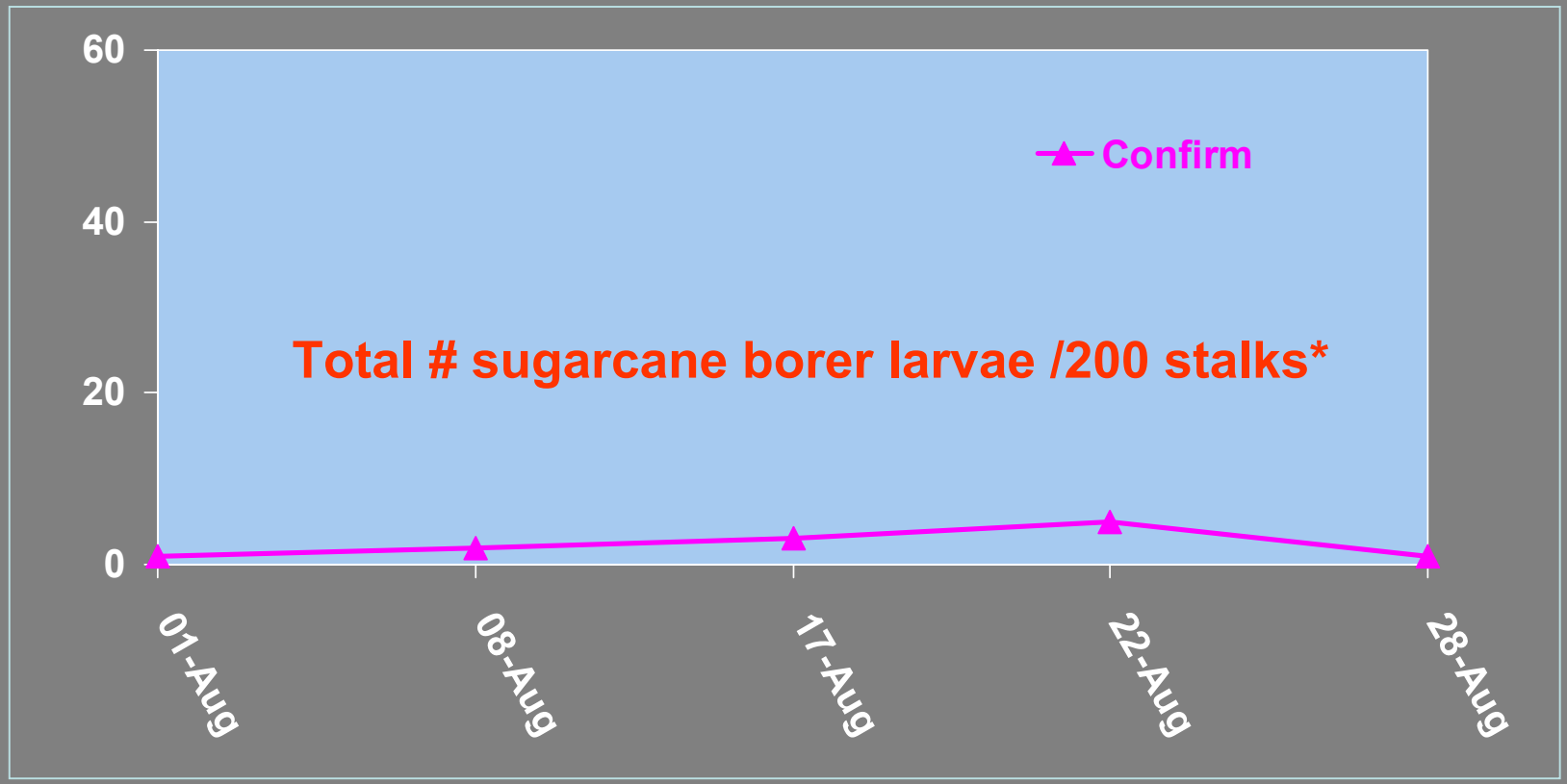
Sample Dates

*Feeding signs with fresh frass was counted along with both dead and live larvae per 200 stalks

Sugarcane Borer Data
Perry, LA.



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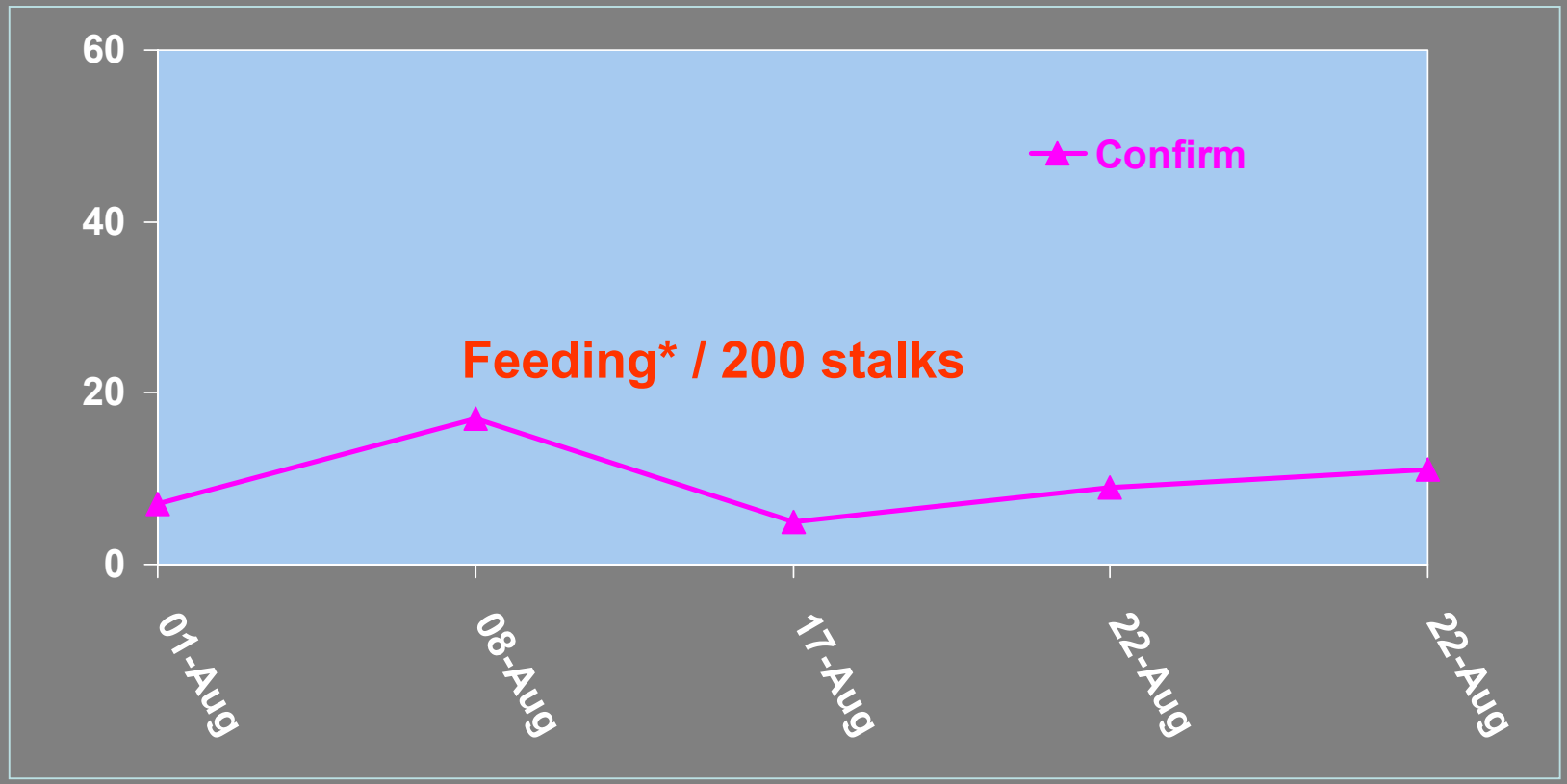

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Sample Dates

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Summary

- Excellent season long control of SCB at the Perry location with Confirm 2F at 6 oz/acre
- At the Duson location, Confirm provided excellent reduction in live larvae and feeding; however SCB larvae were slowed to be killed.
- Prolex applied at 1.5 oz/acre at temp at 103 degrees F was not effective in the hot dry conditions. A repeat application made in the early morning under cooler conditions was highly effective in reducing number of live larvae and a reduction in feeding.

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