Smut on L 01-299

Mike Grisham¹, Rich Johnson¹, and Brian Ball²

¹USDA, ARS, Sugarcane Research Unit
Houma, LA

²American Sugar Cane League of the U.S. A., Inc.
Thibodaux, LA.
Conducted Field Trial near Maurice, Louisiana to Determine Effect of Smut on L01-299

- Two fields
  - Plant cane crop – 90, 50 ft, single-row plots
  - First ratoon-crop – 93, 50 ft, single-row plots
- Disease ratings
  - July and August
  - % smutted stools per plot
- Soil analysis
  - Samples collected from all plots
Plots were harvested on December 4-5, 2013

• Plots weighed w/weigh wagon equipped with load cells

• Billet sub-sample collected for juice analysis

• Cane and sucrose yield calculated using plot weights and TRS
Smut Yield Study 2013, L 01-299, PC

Smut Yield Study 2013, L 01-299, PC

Sugar/A

r=-0.28666
0.0062

% Smut Infection August 21, 2013
Smut Yield Study 2013, L 01-299, 1\textsuperscript{st} Stubble

Sugar/A

\begin{align*}
\text{% Smut Infection August 21, 2013} &
\end{align*}

$r = -0.13928 \quad 0.1830$
Preliminary Conclusions

• Cane and sucrose yield were negatively correlated with incidence of smut in the plant cane crop

• Although not significant, a similar trend was noted in the first ratoon crop

• TRS did not differ among plots
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Thank you