

Presentation Overview

Residue Management: Burning
Alternative Residue Options
Shredding
Lay-by
Flooding Tolerance
Stubbling Ability

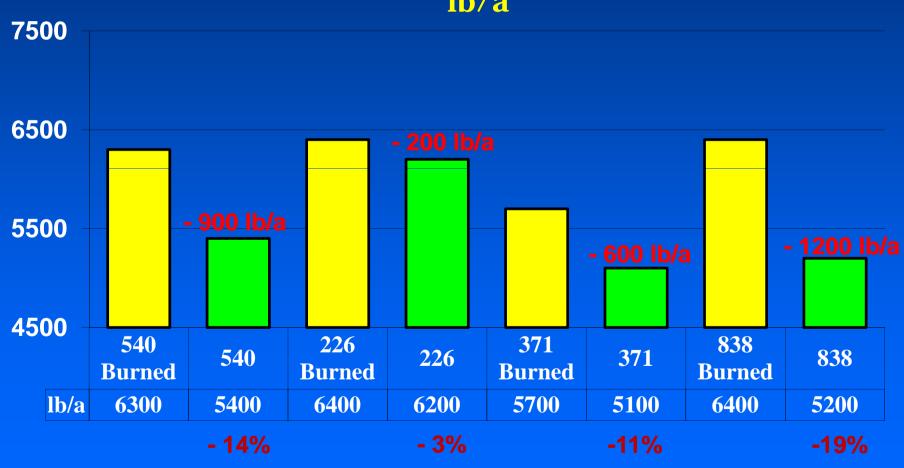


Burning vs. Full Retention of Trash

§ 4 Varieties: HoCP 96-540, L 99-226, L 03-371, & HoCP 04-838 § 1st Stubble § Heavy Soil § 2 Years

Burning vs. Full Retention of Trash





Summary

All varieties show some yield loss with the trash blanket.

L 99-226 did show the lowest impact from trash retention, but sugar yields were still down by 3% (200 lb/ac).

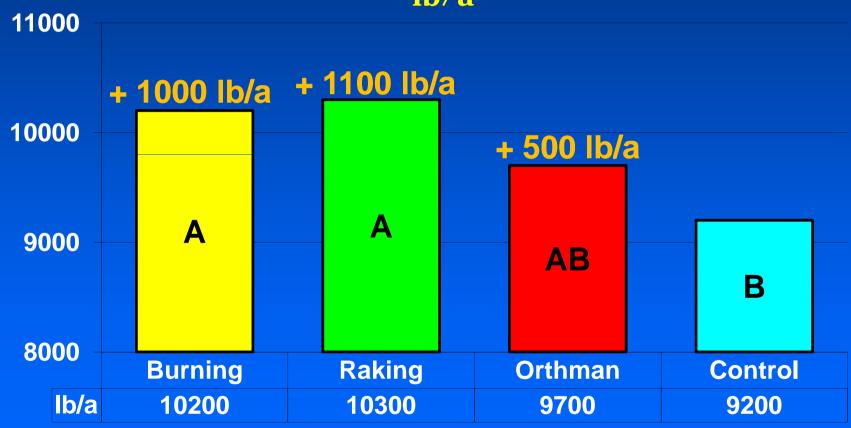


Burn, Rake, Orthman Sweep vs. Control

§ HoCP 96-540
§ 1st Stubble
§ Sandy Soil
§ Mid-January

Burn, Rake, Orthman Sweep vs. Control





HoCP 96-540, Sandy Soil

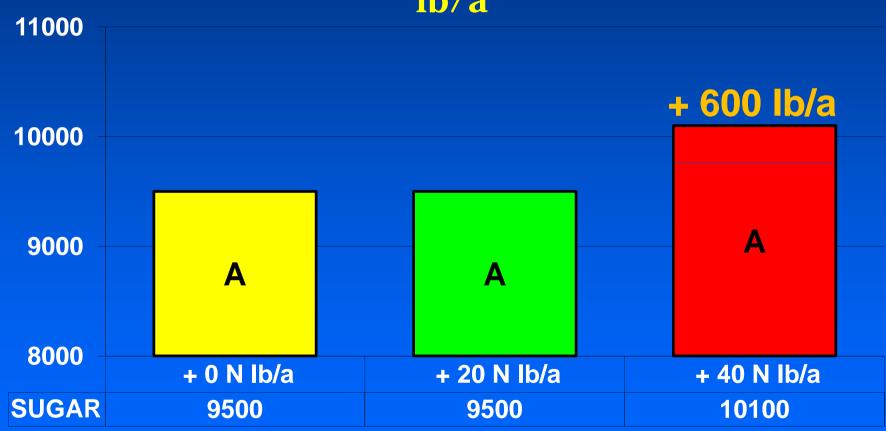
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+0, +20, and +40 lb N/a

- § Can added N offset the detrimental impact of not burning the trash?
- § 0, 20, or 40 lb N/a was applied in addition to the standard application of 120 lb N/a to the control (full residue retention).
- § April
- § Sandy Soil

+0, +20, and +40 lb N/a

Sugar Yield lb/a



Full Residue Retention

(p<0.05)

Summary

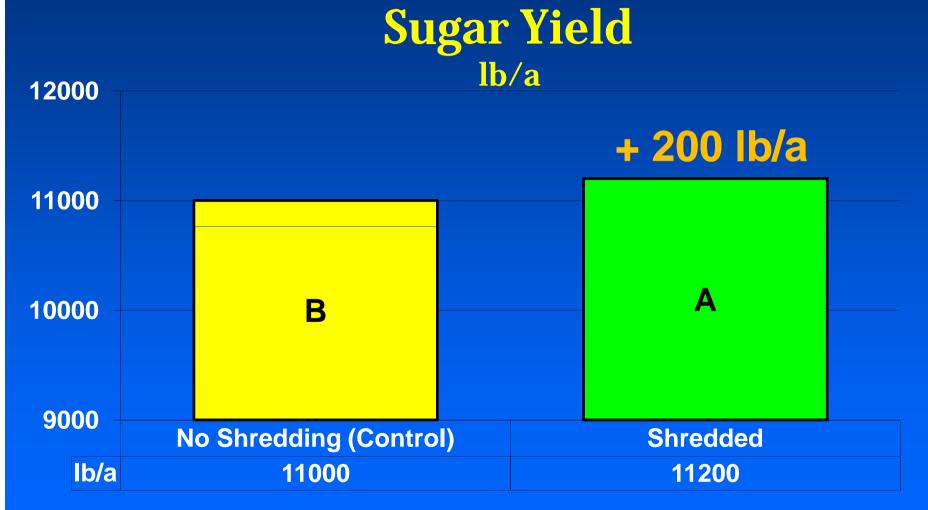
§ Remove residue/mulch as soon as possible...especially if ripener was applied.

§ Additional N may help mitigate yield loss where you can't burn.

No Shredding vs. Shredding

- § L 99-226 Plant-cane
- **§ Heavy Rust Infestation in the Fall**
- § Winter Killed, Plants 2 ft Tall
- § 6 Inches of New Green Growth
- § Shredded Feb. 1 Above Green Growth

No Shredding vs. Shredding



Shredded Feb. 1 Above Green Growth

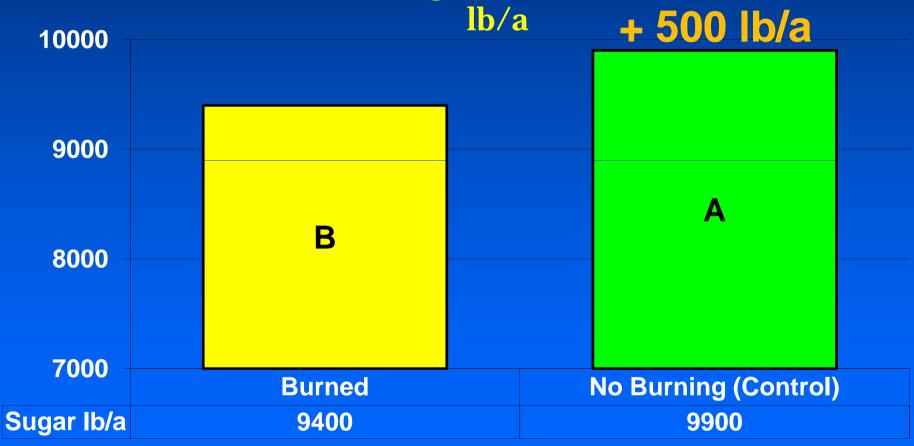
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Burning vs. No Burning After Shredding

- § Same Location as Shredding Experiment
- § L 99-226 Plant-cane
- § 6 inches of Green Growth
- § Burned 3 Days After Shredding (Feb. 4)

Burning vs. No Burning After Shredding

Sugar Yield lb/a



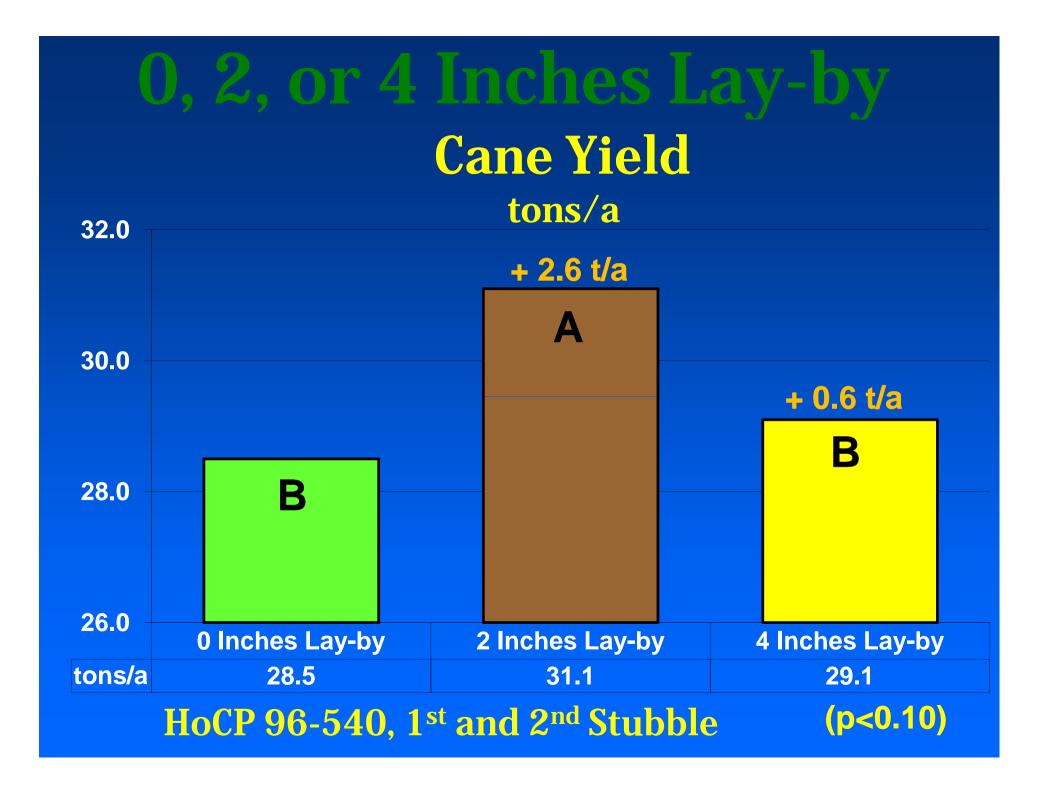
Shredded Feb. 1 Above Green Growth

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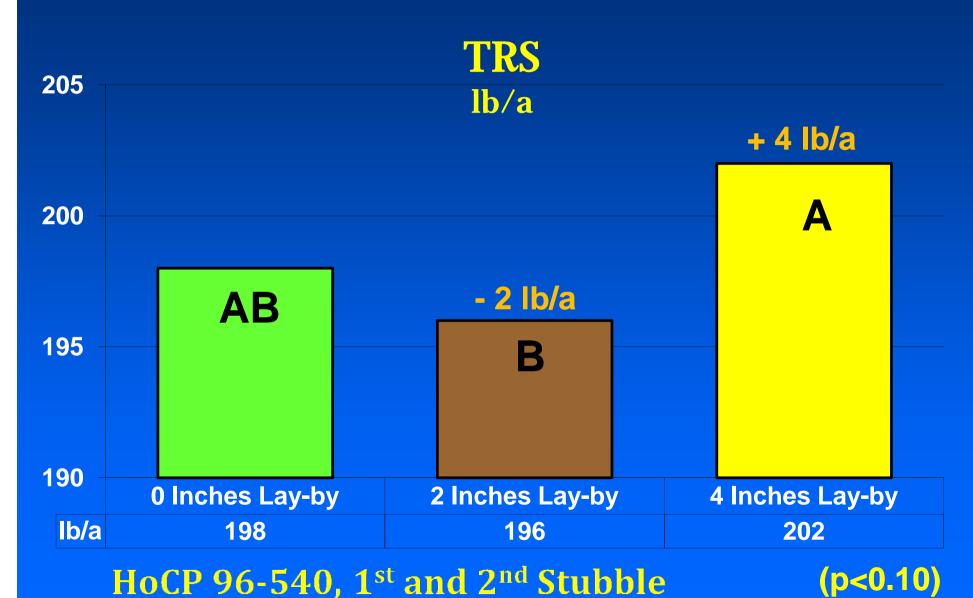


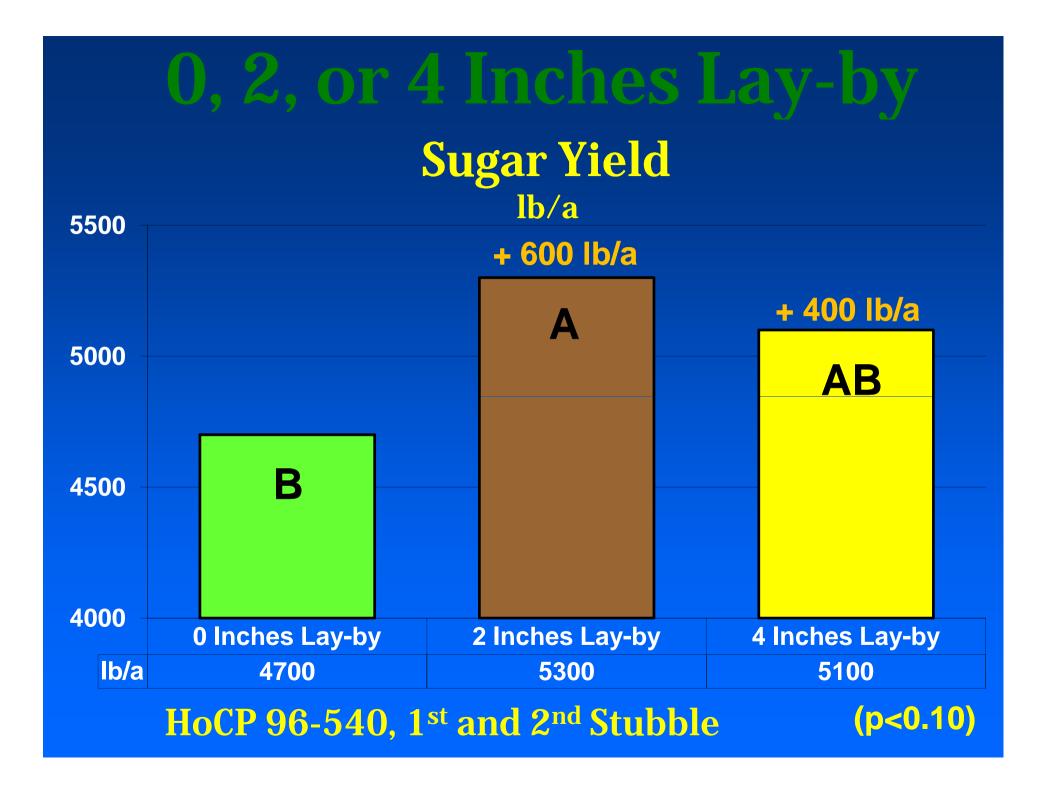
0, 2, or 4 Inches Lay-by

§ HoCP 96-540 § First and Second Stubble § Heavy and Light Soils § 2 yrs. x 2 locations § May



0, 2, or 4 Inches Lay-by





Summary

§ HoCP 96-540 had improved yields with 2 and 4 inches of soil added to the row top at lay-by relative to 0 (no lay-by).

§ +500 lb/a Sugar

Flood Tolerance

Flooding vs. No Flooding

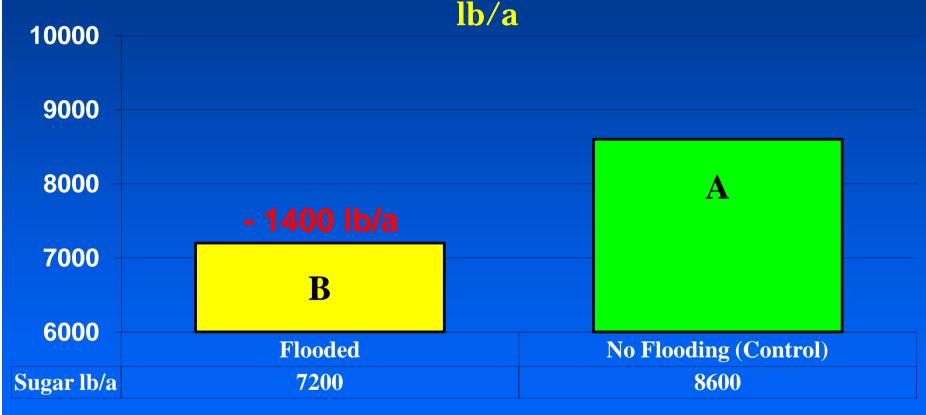
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    § 4 Varieties:

            L 03-371, HoCP 04-838,
                 L 01-299, & L 01-283

    § Plant Cane
    § Flooding: 1 week/month
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Flooding vs. No Flooding

Sugar Yield lb/a

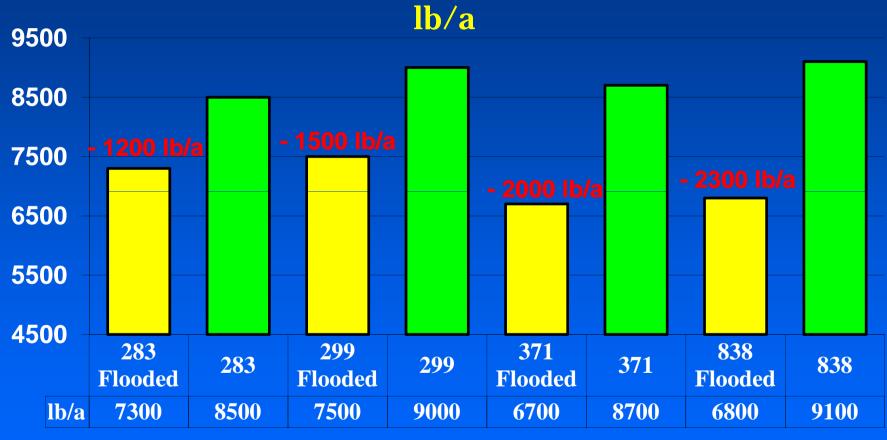


Averaged Across 4 Varieties

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Flooding vs. No Flooding

Sugar Yield lb/a





Bottom Blades

Conventional vs. Serrated Blades

- **§** What is the impact of blade type on subsequent stubble yields?
- § 2 Locations, 1 Year HoCP 96-540, Plant Cane, Houma, LA L 99-226, 1st Stubble, Jeanerette, LA
- § 2011: Blades Used
- § 2012: Yields Measured

Conventional vs. Serrated Blades





Averaged Across Locations and Varieties

(p<0.05)

