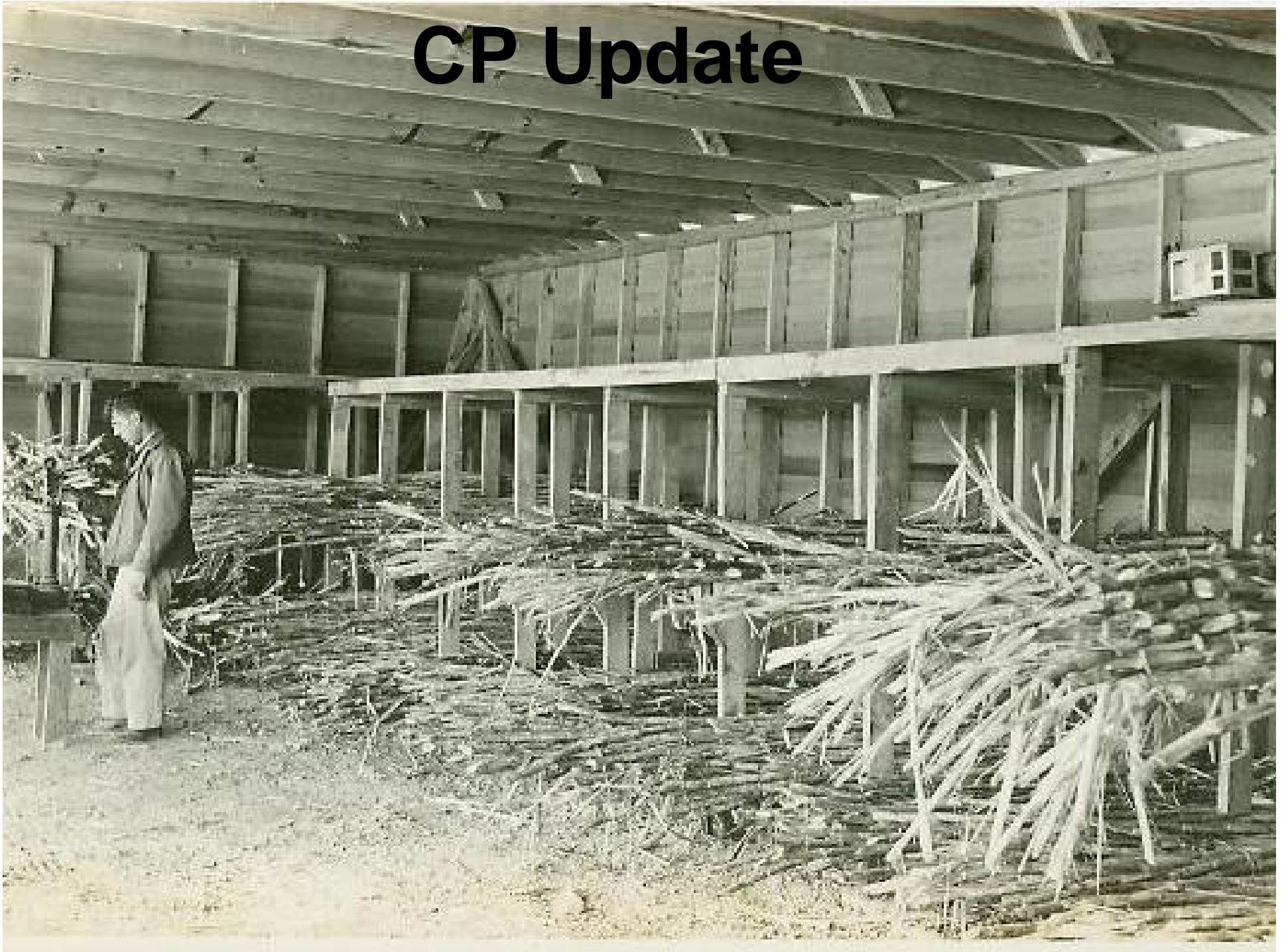


CP Update

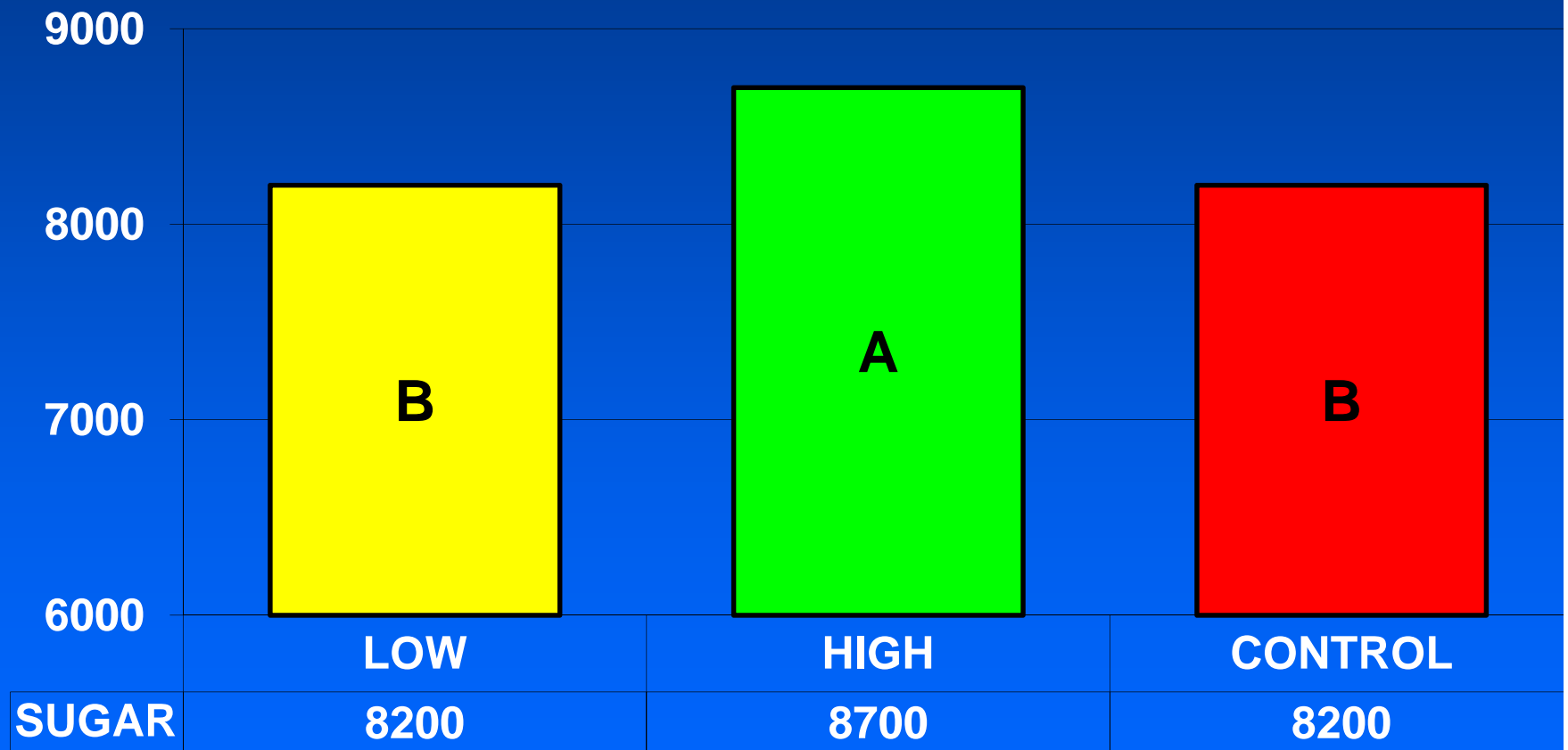


Shredding

- No shred and shred.
 - Feb 1 vs Mar 1.
 - High vs low shredding height.
 - 1st stubble (taken for seed as plant cane).
 - L 99-226.
-

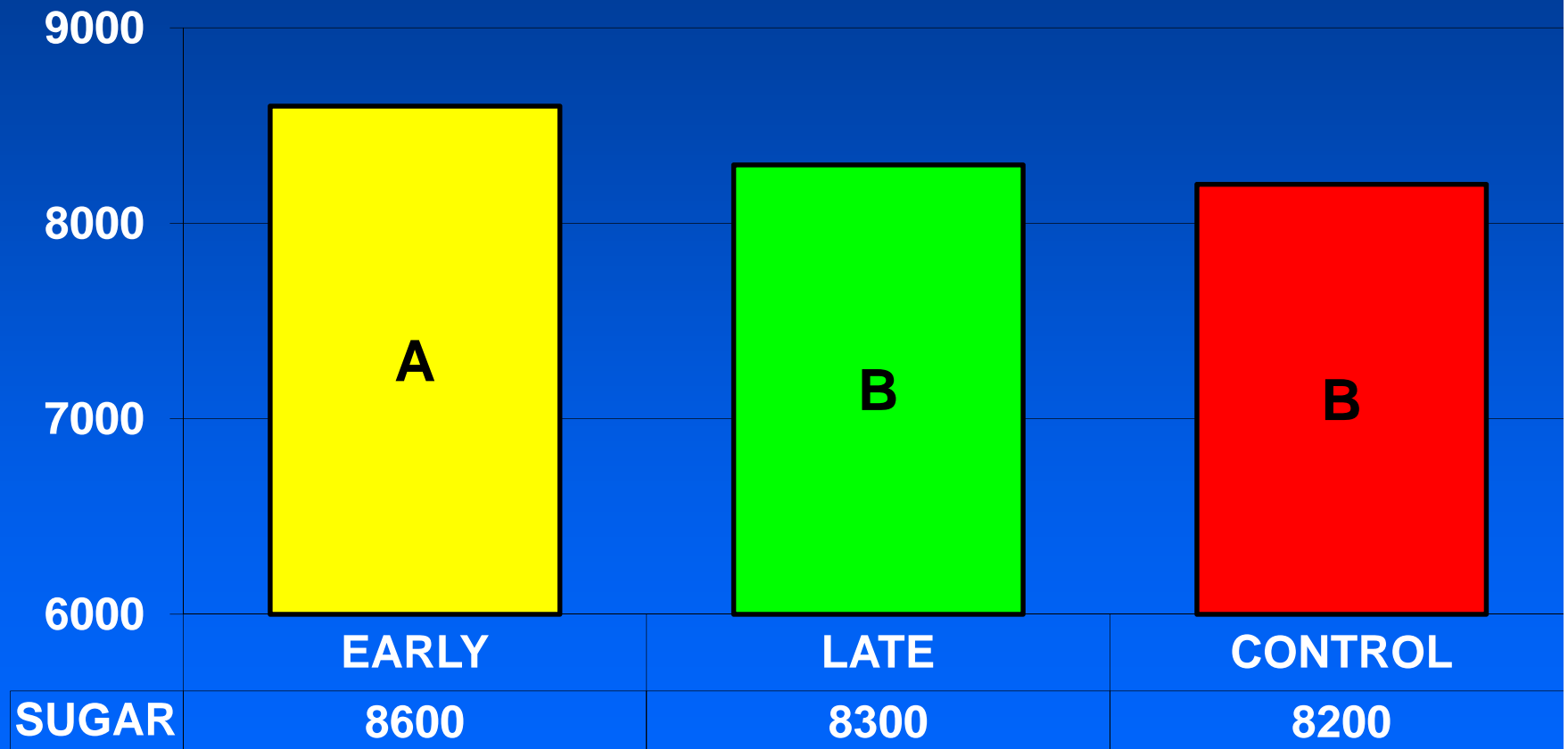
Sugar yield

($p < 0.05$)



Sugar yield

($p < 0.05$)



Mulch by N Experiment

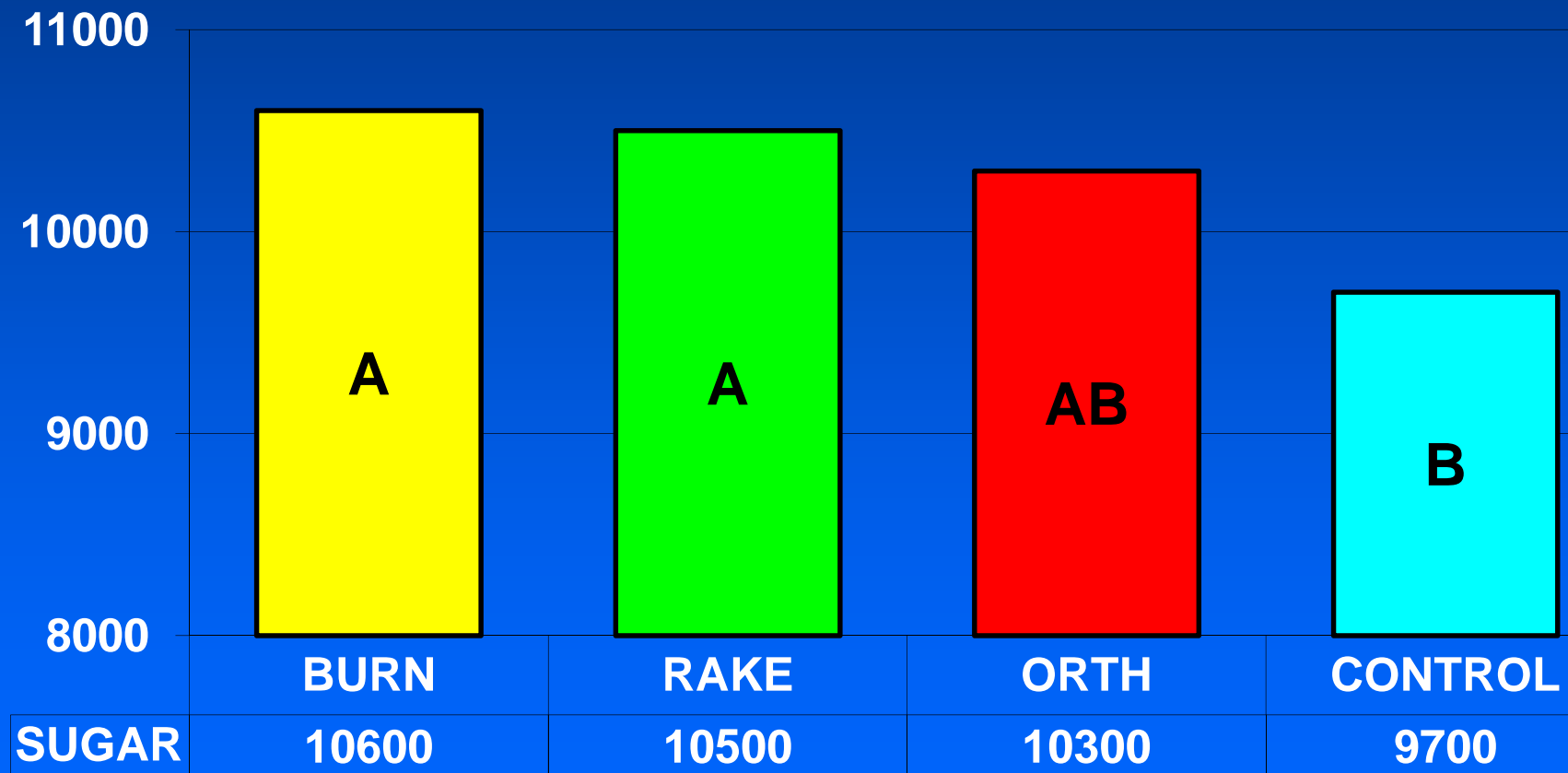


Nitrogen X Residue

- HoCP 96-540 1st stubble.
 - Burn, rake, Orthman sweep, control.
 - 100, 120, 140 lbs N/A.
-

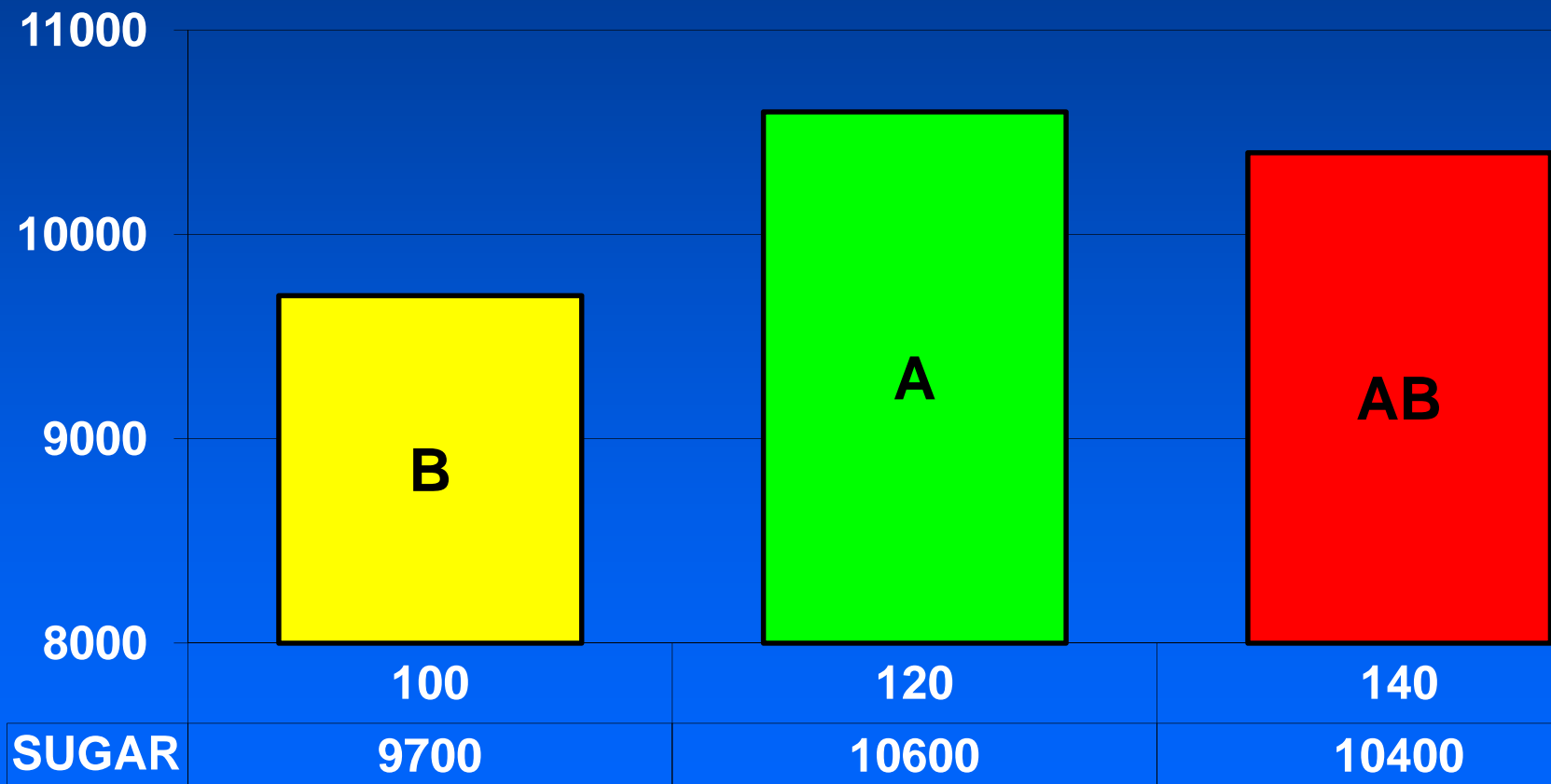
Sugar yield

($p < 0.05$)



Sugar yield

($p < 0.05$)



Summary

- In a dry year like 2011, trash does not hurt yields as much as in a normal year.
 - Will test on heavy ground because drainage is an issue for mechanical removal.
 - 120 lbs N/A optimal.
-

Varietal Options



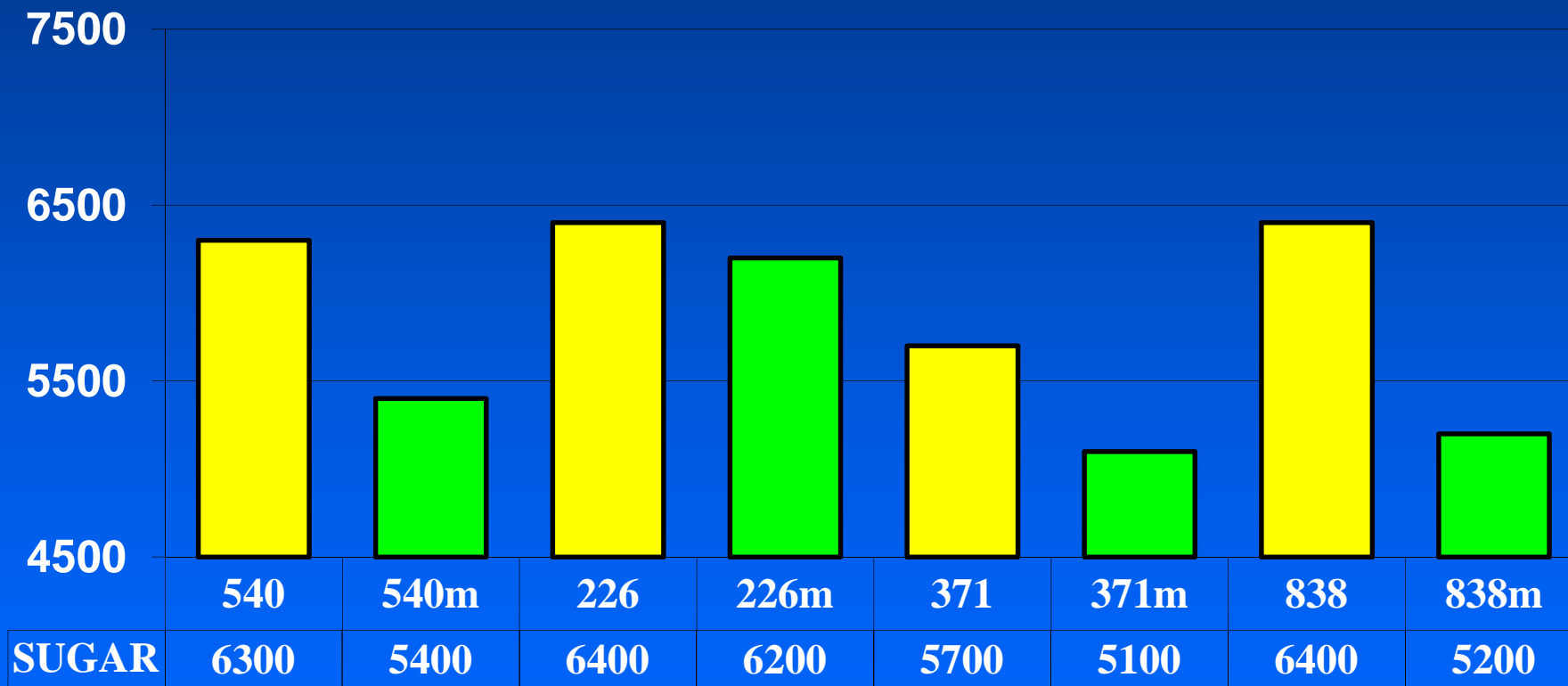
New Varieties

-1st ratoon

-Heavy soil

-Burn or full retention

Sugar yield



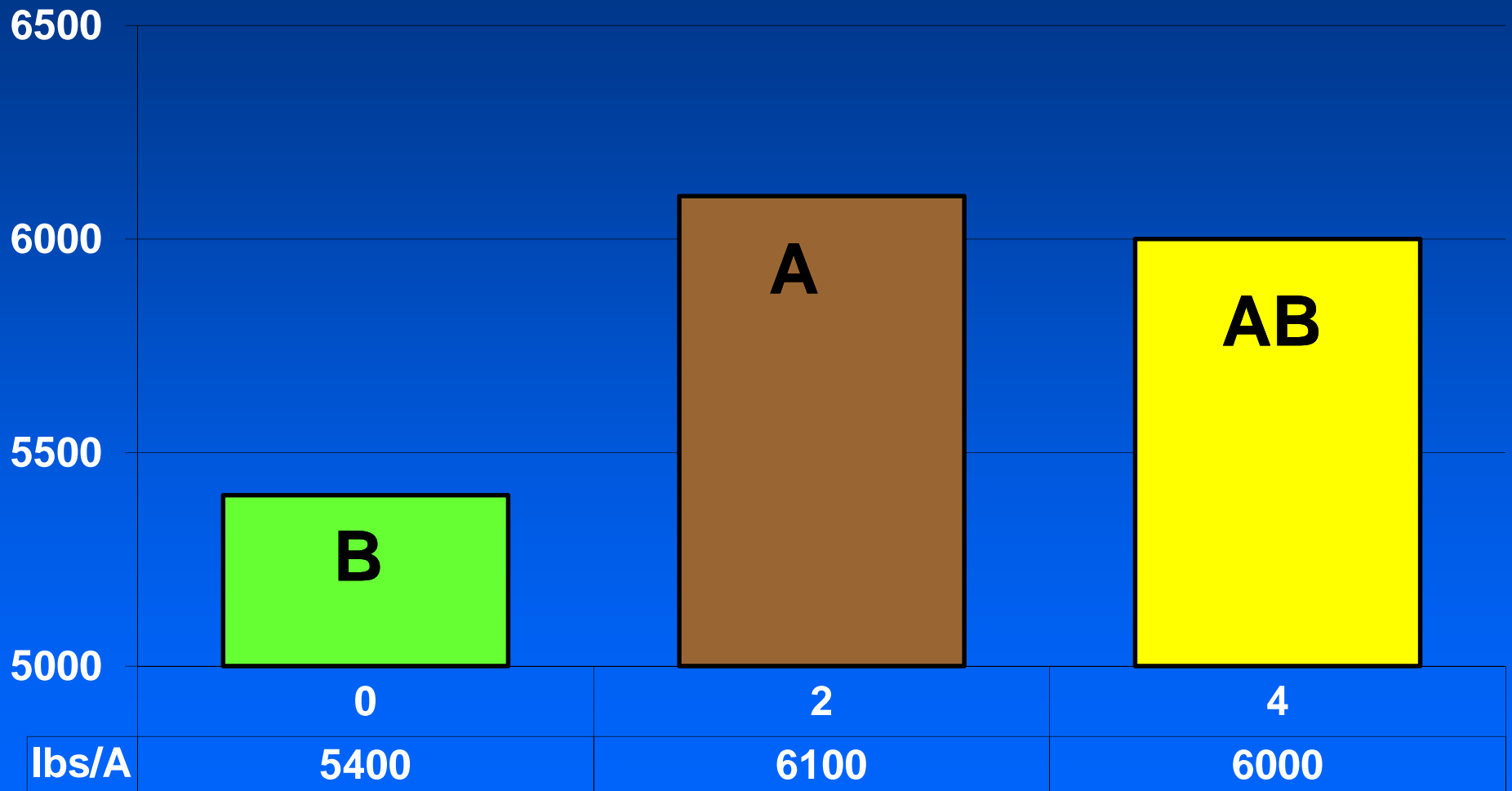
Lay-by Experiment



- HoCP 96-540 .
- 0, 2, or 4 inches at lay-by.
- First stubble; heavy land.

1st stubble sugar yield

($p < 0.05$)



Stubbling Ability



Early Harvest

-HoCP 96-540

L 99-226

L 99-233

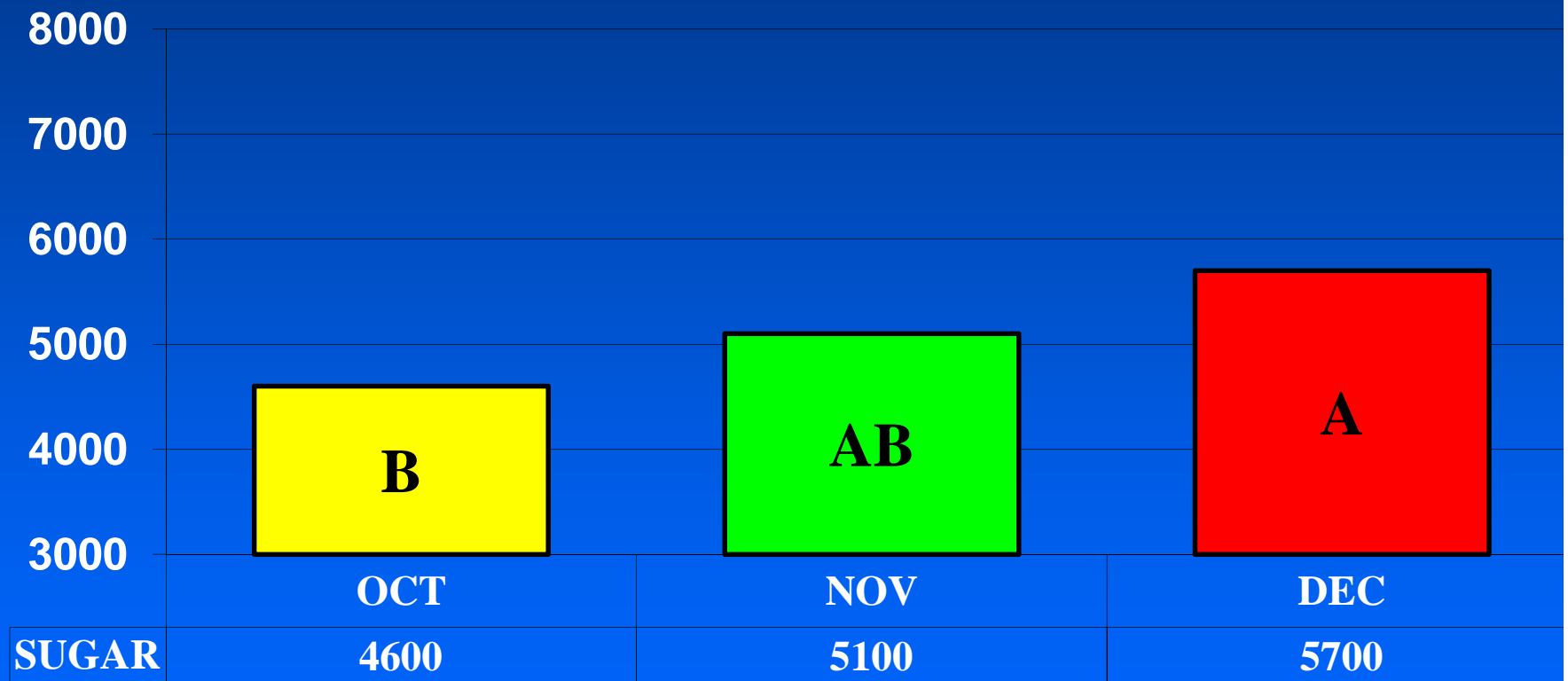
L 99-226

-Harvested Oct 1, Nov 1, and Dec 1 as plant cane.

-Subsequent 1st stubble yields.

Sugar Yield All Dates

($p < 0.05$)



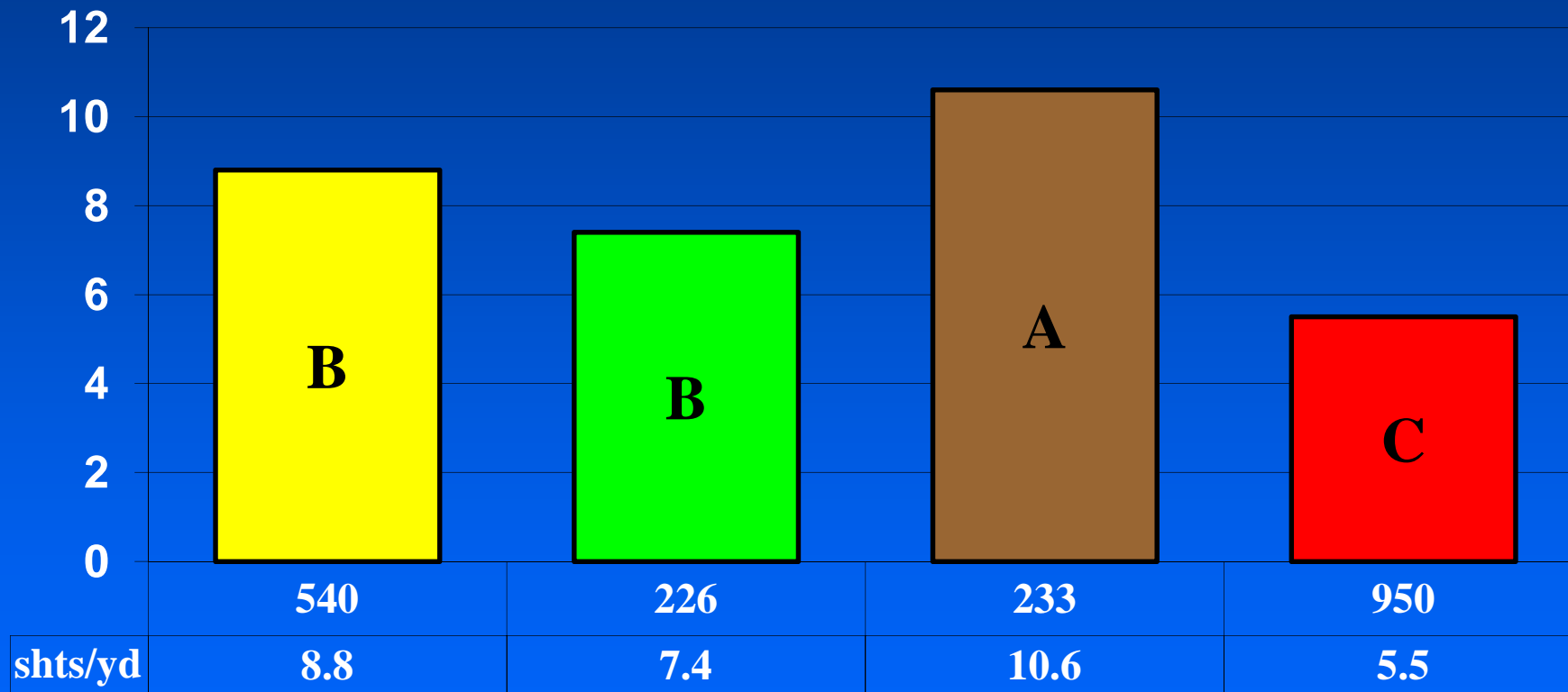
Sugar Yield Oct 1

($p < 0.05$)



Spring Population Counts

($p < 0.05$)



Summary

- **When choosing what to keep, consider when you cut it and what variety.**
- **Spring populations can be deceiving with certain varieties like 233.**

Paraquat

-HoCP 96-540.

-1 qt/A.

-7, 14, 21 DAT.

-Similar tons, trs, sugar.

Standing burn

-HoCP 96-540 and L 99-226.

-Green vs standing burn.

-JD 3500 and 3520.

-Similar tons, trs, sugar.

-New harvesters are efficient at cleaning.

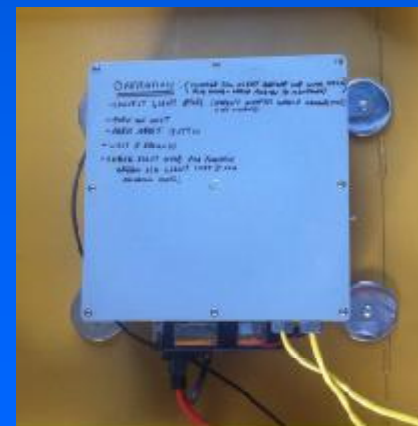
Base cutter setting

- L 01-283.
 - Low and high setting.
 - First stubble.

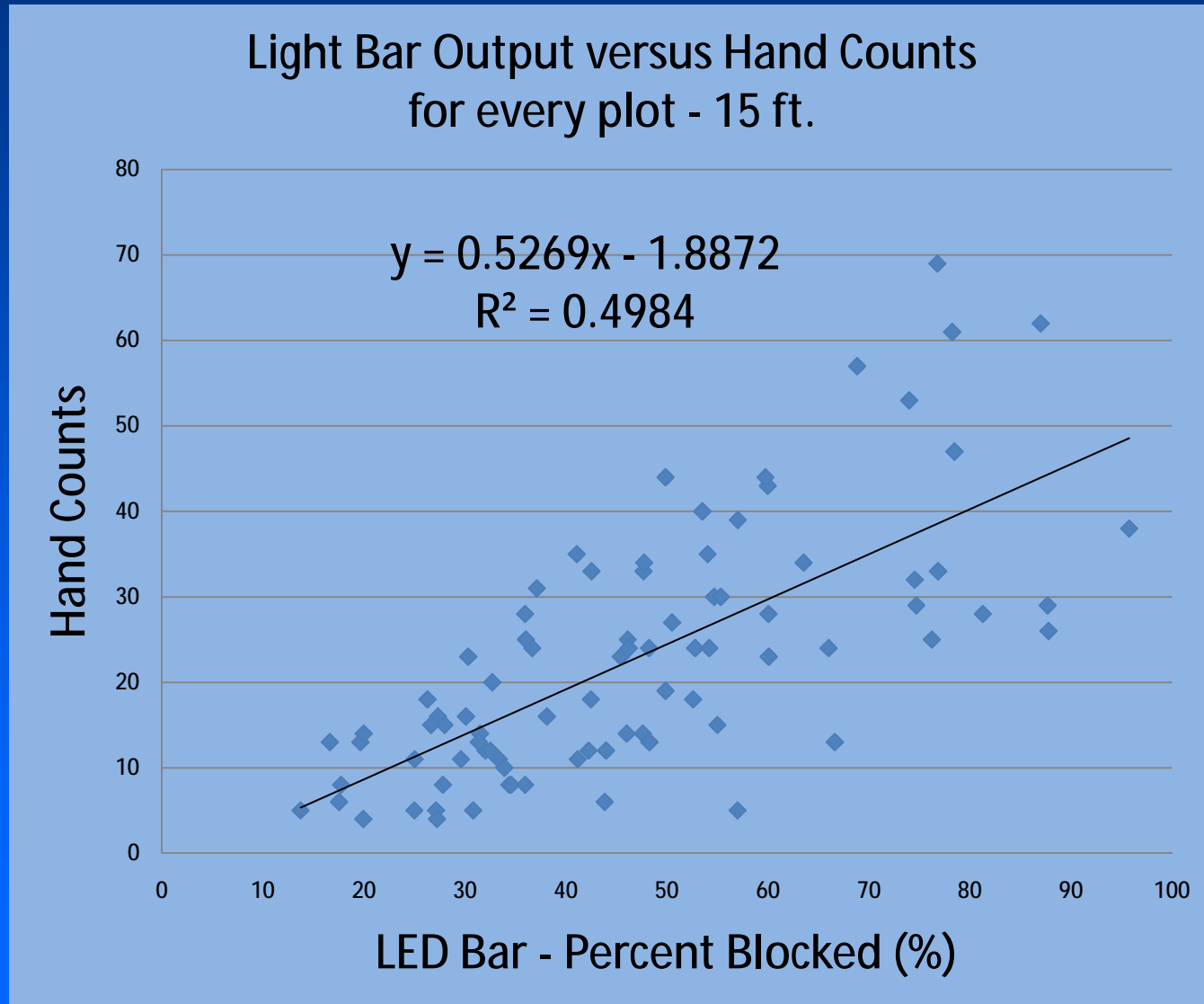
 - Gained 1,000 lbs in second stubble.
-

LED Light-bar System:

- Banner Light-bar.
- Measures to 1 inch discriminations.
- Control box to record data and combine with GPS.



Results (Sept. for LED Bar):



Results (Sept. for LED Bar):

Light Bar Output versus Hand Counts
averaging over 3 plots - 45 ft.

