

Wheat/Cotton Double-Crop Management



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Double-Crop Cotton Behind Wheat?







Getting a stand can be a challenge...

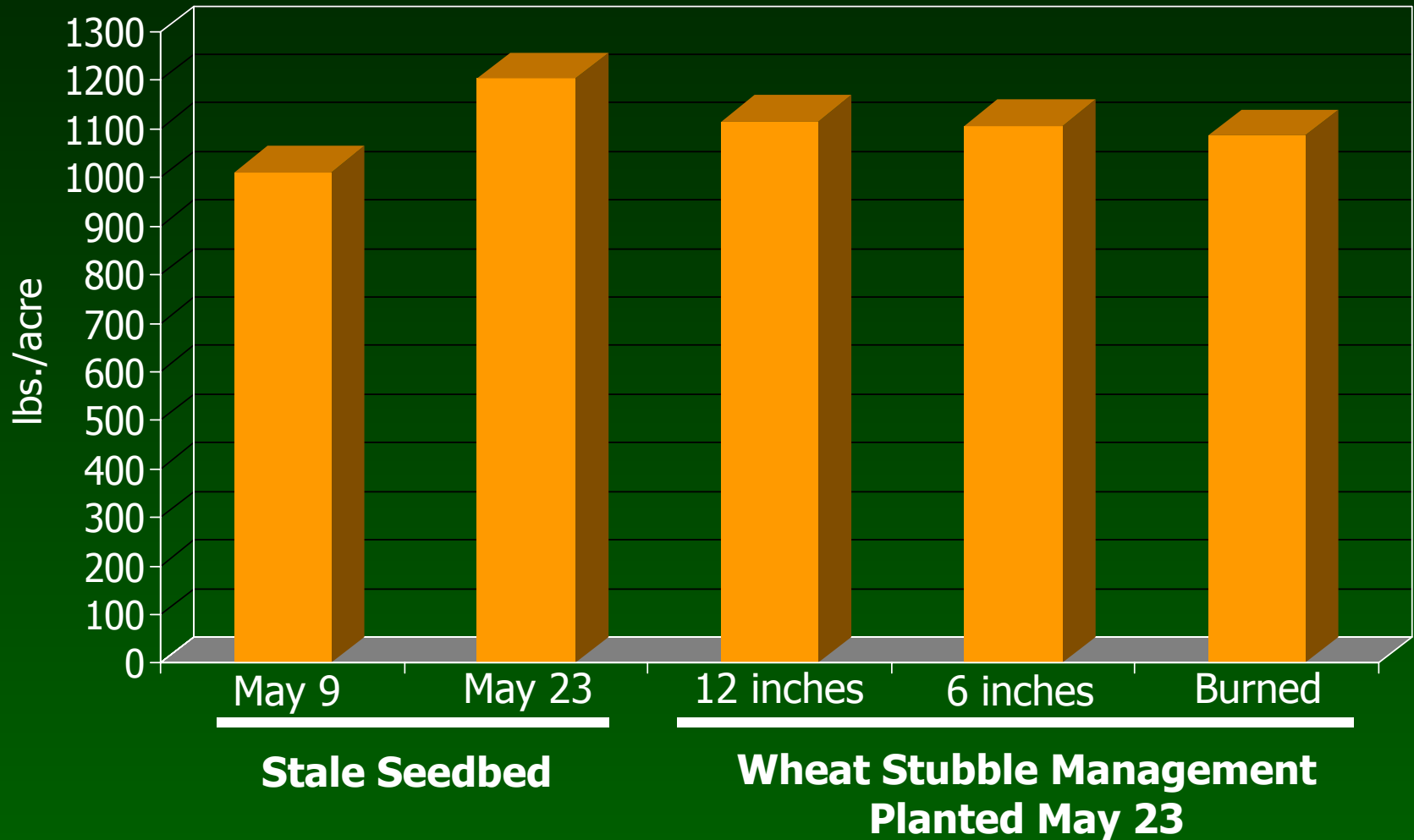






Stubble Management Trial

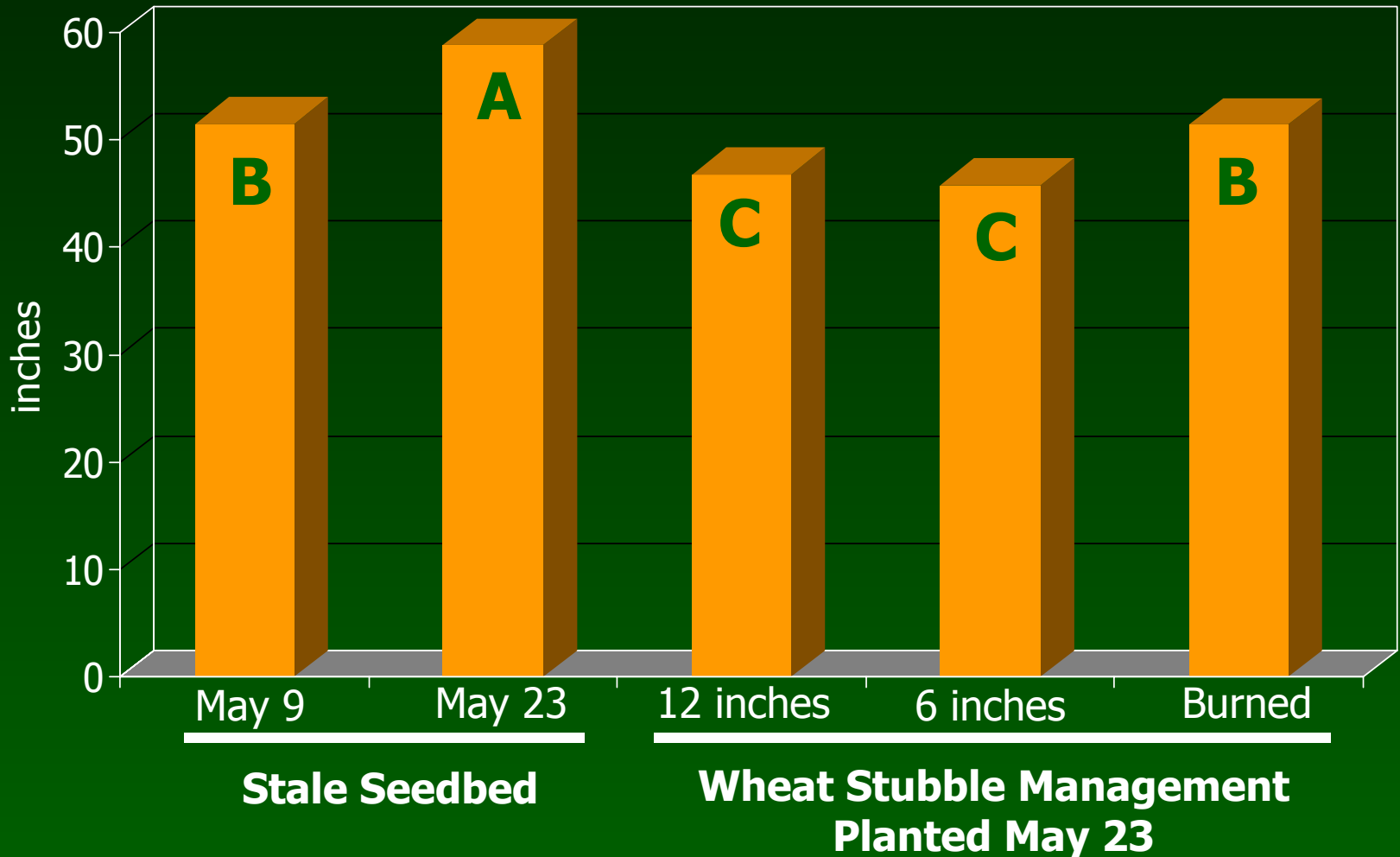
Lint yield



No significant differences among treatments ($p=0.05$)

Stubble Management Trial

Final plant height



Means followed by the same letter are not significantly different ($p=0.05$)



Double Crop Variety Trial

Cultivars

Deltapine DP 117 B2RF
Deltapine DP 143 B2RF
Deltapine DP 164 B2RF
PhytoGen PHY 485 WRF
Stoneville ST 4554B2RF

Deltapine DP 445 BG/RR
Deltapine DP 555 BG/RR
PhytoGen PHY 370 WR
Stoneville ST 5242BR
Stoneville ST 5599BR

Cropping System

1. Stale Seedbed, Planted April 25
 2. Stale Seedbed, Planted May 23
 3. Double Cropped, Planted May 23
- 10 x 3 Factorial arrangement of treatments.
 - Split Block Design

Cropping System Effects

Cropping System	Lint Yield	Plant Height	Plant Stand
	lb/acre	inches	plants/ft
Stale Seedbed – April Planted	1054 a	45.8 a	2.67 a
Double Cropped	866 b	42.6 b	2.21 b

Means followed by the same letter not significantly different ($p=0.05$)

Variety Effects by Cropping System

Variety	Double Crop	Stale Seed Bed - April
PHY 485 WRF	951 (1)	1007 (7)
DP 555 BG/RR	951 (2)	1060 (6)
DP 117 B2RF	929 (3)	1135 (3)
ST 5599BR	909 (4)	1162 (1)
DP 445 BG/RR	850 (5)	1092 (5)
PHY 370 WR	848 (6)	1160 (2)
ST 4554B2RF	825 (7)	919 (9)
ST 5242BR	808 (8)	1114 (4)
DP 164 B2RF	805 (9)	993 (8)
DP 143 B2RF	800 (10)	887 (10)

LSD_{0.05}

226

158

Actual Emergence

Trial	Seeding Rate	35 DAE Stand Count	% Emergence
ECVTSL	3.0	2.31	77
MCVTSL	3.0	2.37	79
FECVT	3.0	2.37	79
FMCVT	3.0	2.36	79
ECVTC	3.0	1.81	60
MCVTC	3.0	2.19	73
AVERAGE			74.5%

Plant population effect peak bloom

Alexandria, 2003 & 2004 – PM 1218 BR

Population	Peak Bloom (DAP)	
	2003	2004
61,896	74 a	76 a
30,958	77 ab	84 ab
20,631	78 b	90 b
13,755	79 b	91 b

Planting date: 5/22/03 and 5/24/04

Means in the same column followed by the same letter are not significantly different, P(0.05).

Double-Crop Considerations

- **Stubble Management**
 - Begins with a high row, which leaves more options.
- **Variety Selection**
 - Bollgard II or Widestrike with RRFlex
- **Irrigation?**
 - Preferable
- **PGR Management**
 - Consider for earliness, not height control
- **Weed Management**
 - Early PRE, beware of late-season grass
- **Seeding Rate**
- **Fertility???**



GOOD LUCK IN 2008

