

BECK'S Twin Row vs. 30" Row Study - 2004

Location: E1 & E2 S. plots
Planted: April 16, 2004
Harvested: September 25, 2004
Population: 30,000 seeds/A.
Soil Type: Crosby & Miami

Previous Crop: Soybeans
Tillage: S-tine
Herbicide: PPI: 2.3 qts. Bicep II Magnum /
 1 qt. Princep
Insecticide: Aztec
Fertilizer: Identical rates for both plots
 except 30" rows had 28%
 knifed in and Twin rows had
 28% dribbled on top

RAINFALL	
April	1.2 in.
May	5.2 in.
June	7.4 in.
July	2.8 in.
August	<u>3.5 in.</u>
Total	20.1 in.

Purpose: This study compares different hybrid families and ear types in twin rows vs. 30" rows. We planted the entire plot at 30,000 population. For maximum results in twin rows, we may be able to increase population since each plant has more space.

Yield Rank	Brand-Hybrid	Harvested Population	Test Weight	Percent Broken Stalks	Percent Moisture	Bushels* Per Acre
<u>TWIN ROW</u>						
1	BECK 6197CB	29,000	55.5	0.0	20.8	226.8
2	BECK 5959RW	27,000	56.0	3.7	17.2	217.3
3	BECK 5012RW	29,000	57.0	0.0	17.3	213.2
4	BECK 5166RW	28,500	57.1	0.0	16.6	212.7
5	BECK 5125CB	28,500	56.0	0.0	19.0	203.6
6	BECK 5129	27,000	57.1	0.0	16.0	203.4
7	BECK 5538RW	<u>29,000</u>	<u>58.1</u>	<u>5.2</u>	<u>16.7</u>	<u>199.4</u>
	AVERAGE	28,286	56.7	1.3	17.7	210.9
<u>30" ROW</u>						
1	BECK 6197CB	30,500	55.2	0.9	18.8	220.5
2	BECK 5959RW	29,250	55.9	0.0	17.6	217.1
3	BECK 5125CB	28,000	55.5	0.0	16.4	214.2
4	BECK 5166RW	29,750	56.9	0.0	15.8	211.6
5	BECK 5129	28,750	56.5	0.0	16.3	210.7
6	BECK 5012RW	29,500	57.8	0.0	16.2	207.0
7	BECK 5538RW	<u>32,000</u>	<u>57.1</u>	<u>0.0</u>	<u>16.3</u>	<u>202.5</u>
	AVERAGE	29,679	56.4	0.1	16.7	211.9

*Bushels per acre corrected to 15% moisture.

Summary: Results were very similar in this plot between the twin rows and the 30" rows. Historical data has shown that narrow rows work equally well in our Central region, better in the North and not as favorable in the South.



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