

Row Spacing for Corn

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OBJECTIVE: To determine and document the effect of narrow rows vs. wide rows on the profitability of corn.

WIDE ROWS

Treatments:

Plant 30" rows

NARROW ROWS

Treatments:

Plant 15" rows
(split 30" rows)

Comparative cost (per acre)

Custom Rate Charge \$9

Comparative cost (per acre)

Custom Rate Charge \$18

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RESULTS:	1996 CORN
Moisture (%)	
Wide	15.2 **
Narrow	15.5
Test Weight (pounds/bushel)	
Wide	58.6 ***
Narrow	58.0
Yield (bushel/acre @ 15.5%)	
Wide	128
Narrow	140
Population (plants/acre)	
Wide	15,500 ***
Narrow	23,400

** significantly different at 95% confidence level

*** significantly different at 99% confidence level

Summary: Grain yield was not significantly affected by row spacing (Prob > [T] = 0.11) even though there was a difference in plant population. Grain moisture was lower and test weight was higher at the lower population in the wider rows.

