

In Furrow Deep Ripping (Aeration) vs. None-Irrigated Corn

Bob, Rich and Tim Bartek

Private Industry Cooperator: Mike Williams

OBJECTIVE: To determine and document the profitability of in furrow deep ripping (aeration) versus none in irrigated corn

RIPPING

NONE

Treatment:

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Fertilize: Anhydrous Ammonia 170
pounds per acre (actual)

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pounds per acre (actual)

Harrow

Harrow

Plant

Plant

Herbicide: 1994-2.25 pounds Extrazine

1995-3 pounds Extrazine,
.5 pounds Atrazine and
.5 pints 2,4-D

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Cultivate

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Deep Ripped each year after cultivation
(different field location each year)

None

Harvest

Harvest

Comparative cost (per acre)

Comparative cost (per acre)

	<u>1994</u>	<u>1995</u>
Deep Ripping	\$10.00	\$10.00
Total	<u>\$10.00</u>	<u>\$10.00</u>

	<u>1994</u>	<u>1995</u>
None	\$0.00	\$0.00
Total	<u>\$0.00</u>	<u>\$0.00</u>

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VARIABLE	1993 CORN+	1994 CORN	1995 CORN
Moisture (%)			
Ripped	—	19.5	15.6
Conventional	—	19.5	15.6
Yield (15.5 %) (bushels/acre)			
Ripped	—	213	133 ++
Conventional	—	217	150

+ no yield results for 1993 due to weather damage

+ + non-randomized comparison

summary: There were no statistically significant differences in 1994 and no conclusions can be drawn from 1995 data since it was a non-randomized comparison.