

# Feedlot Manure as a Source of Fertilizer on Irrigated Corn (Sandy Soil)

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**OBJECTIVE:** To determine and document the effect of using feedlot manure as a replacement for fertilizer on the profitability of corn production on a sandy soil.

**TREATMENTS:** Various rates of nitrogen applied without manure vs. various rates of nitrogen applied where 30 tons per acre manure was applied in 1998.

**RESULTS:**

	<u>Treatments</u>	<u>Grain Yield</u> Bu/ac @ 15.5%	<u>Cost</u>
1998	None	100	-----
	120 lbs. N	139	\$13.20 + 6.75 Appl.
	180 lbs. N	150	\$19.80 + 6.75 Appl.
	Manure alone	198	\$10.00
	Manure + 120 lbs. N	209	\$23.20 + 6.75 Appl.
	Manure + 180 lbs. N	220	\$29.80 + 6.75 Appl.

**Summary:** The application of 30 tons/acre of manure (230 lbs/ac plant available nitrogen) resulted in a grain yield that was higher than was achieved with 180 lbs/ac nitrogen from fertilizer. The addition of nitrogen with the manure increased yield above manure alone.