Nebraska On-Farm Research Network

No-till Corn vs. No-till Grain Sorghum on Soybean Stubble

Study ID: 089155199401, Saunders County

OBJECTIVE: To determine and document the profitability of no-till com versus no-till grain sorghum with a soybean rotation.

NO-TILL CORN		NO-TILL GRAIN SORGHUM	
Treatment:		Treatment:	
Fertilizer:	130 pounds/acre Anhydrous Ammonia (actual)	Fertilizer:	130 pounds/acre Anhydrous Ammonia (actual)
Herbicide:	3.5 quarts Bullet	Herbicide:	3.5 quarts Bullet
No-till plant		No-till Plant	
Harvest		Harvest	

RESULTS:

	Moisture	Test weight	Yield (15.5% for corn, 14% for sorghum)
No-till corn	15.0%	58.3 **	182.5
No-till sorghum	14.7%	61.2	179.2

Corn Rows		Grain Sorghum	
Yield Inside	180.3	Yield Inside	174.8 **
Yield Outside	179.3	Yield Outside	164.4

* significantly different at 95% confidence level
** significantly different at 99% confidence level
\# no statistical analysis

Summary: Average corn and grain sorghum yields have not been significantly different; however, yields between inside and outside rows in corn and grain sorghum have been significant in 1993 and 1994, respectively.

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