

## ROUGHAGE TRIALS - 1955

The roughage trial is designed primarily to compare the productive capacities of corn, sorghum and sudan grass as silage crops for this area. It was begun at the Dickinson Station in 1951, and has been conducted each year since then.

[Table 8](#) summarizes the yield data from the Roughage Trial since 1951.

This year yields from the sorghum and sudan grass varieties were particularly disappointing, with none of the varieties producing enough to be considered worth harvesting.

The best yielding crop in 1955 as well as in the previous years is corn. The adapted hybrids and open pollinated varieties have consistently produced satisfactory yields and the use of both can well be considered.

For quantity production of high quality feed corn is the best silage crop for this area.

Table 8 - Yield Summary Roughage Trials 1951-1955							
Crop	Variety	Green Weight - Average Tons per acre					5 yr. av. Green wt. 1951-1955
		1951	1952	1953	1954	1955	
Corn	Rainbow flint						
	Great Plains strain	6.51	1.60	9.53	6.47	4.99	5.78
	Rainbow flint						

	Tall late			10.36	7.60	4.49	
	Nodak 301	6.79	1.83	7.82	6.89	4.81	5.63
Sorghum	Rancher	3.05	1.25	6.81	3.80	0.0	2.98
	Black Amber	2.98	1.59	7.36	3.83	0.0	3.15
	Fremont				4.68	0.0	
	Rox Orange				7.18	0.0	
	Norkan				4.18	0.0	
	Leoti Red				5.56	0.0	
Sudan Grass	Sweet		1.15	5.76	3.39	0.0	
	Piper			4.42	3.77	0.0	

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