

N EXTENSION

Nebraska On-Farm Research Network

Years: 2013
Title: Foliar Sugar on Corn
Crop: Corn
County: Clay
Study ID: 038035201301
Objective: Determine effect of foliar sugar on corn yield and economics.

Treatments: Check
Foliar sugar applied at V7

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Information: 2013 Corn - Foliar Sugar

Nebraska On-Farm Research Sugar Study - 2013

Rep	Treatment	Total C	%N	Phospholipid	
				Fatty Acid (PLFA) Test	Diversity Index
Rep 1	Check	41.71	2.51	1544.15	1.13
	Sugar	41.31	2.51	2295.44	0.96
Rep 2	Sugar	42.45	2.58	1439.51	1.17
	Check	41.98	2.30	2057.19	1.60
Rep 3	Check	42.34	2.70	1954.87	1.18
	Sugar	42.54	2.40	1786.42	1.19
Rep 4	Sugar	41.17	2.51	1435.45	1.17
	Check	41.92	2.50	1191.18	1.45
Rep 5	Check	42.35	2.70	950.20	1.24
	Sugar	41.89	2.50	1629.33	1.42
Rep 6	Sugar	41.81	2.42	1612.62	1.20
	Check	41.78	2.60	996.34	1.05
		Check AVG	42.0133	2.5517	1448.9883
		Sugar AVG	41.8617	2.4867	1699.7950
					1.2738
					1.1845

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Results: 2013

Corn - Foliar Sugar

	Yield	TW	Moisture	StalkRot	Cost/A
Check	222.7 A	60.6 A	16.1 A	19.2 A	--
Starter w/ Sugar	214.2 B	60.5 A	16.0 A	15.8 A	\$6.00
Prob>/T/	0.0099***	ns	ns	ns	

SUMMARY 2013:

The addition of sugar resulted in a significant yield reduction and an increase in the input cost.

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