Nebraska On-Farm Research Network

Years:	2012
Title:	Starter Fertilizer
Crop:	Corn
Study ID:	118185201201
County:	York
Objective:	To determine & document the effect of starter fertilizer on the profitability of corn production.
Treatments:	Check vs 6 Starter Treatments

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Information Corn

Starter Fertilzer

Hybrid Golden Harvest 9377 @ 32k

Planted: 4/17/12 Yield Goal 220 bu/ac

Hastings Silt Loam

Product	Use Rate	Cost
10-34-0	5 gal	$16.89
10% Citri-Che Zinc	1 qt	$4.56
Ascend	5 oz	$8.98
Avail	1/2 gal / 100	$5.75
Headline	4 oz	$12.28
Torque	16oz	$16.00

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Results: 2012

Corn

Starter Fertilzer

Starter Fertilizer	Yield	Group	Moisture	TW	Cost/Ac
10-34-0+Zn	264.8	A	16.3	57.5	$21.45
10-34-0	263.8	A	16.1	57.8	$16.89
10-34-0+Zn+Ascend +Avail+Torque	262.3	A	16.0	57.9	$52.09
10-34-0+Zn+Ascend +Avail+Headline	259.6	AB	15.2	57.7	$48.37
10-34-0+Zn+Ascend	255.4	AB	15.8	56.6	$30.34
10-34-0+Zn+Ascend+Avail	254.0	AB	16.6	57.1	$27.20
Check	246.9	B	15.7	55.1	---
Prob>/T/	0.0268**		0.2856ns	0.7096ns	

Note: Discarded block 1 of 3 due to irrigation limitation in this block

Summary: Based on only two replications there was a significant increase in yield of all treatments compared to the check in 2012. The cost of some of the treatments was not justified based on this year's data. The starter (10-34-0) had the best return on investment.

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