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On-Farm Comparison Results - Starter Fertilizer

Quad County On Farm Research Group

Years: 2005

Title: Starter Fertilizer Study

Crop: Irrigated Corn

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Objective: Is there a yield advantage for starter fertilizer applications on medium to high testing phosphorous soils under irrigated corn production.

Treatments: Starter vs no starter.

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Location	Yield	Bray 1 Test
Producer 1 Starter	226.5	51 VHI
Producer 1 No Starter	226.4	51 VHI
Producer 2 Starter	194.1	70 VHI
Producer 2 No Starter	196.6	70 VHI
Producer 3 Starter	202.1	22 MED
Producer 3 No Starter	201.6	22 MED
Producer 4 Starter	210.7	26 HI
Producer 4 No Starter	206.8	26 HI
Producer 5 Starter	230.7	47 VHI
Producer 5 No Starter	230.7	47 VHI
Producer 6 Starter	224.3	42 VHI
Producer 6 No Starter	223.6	42 VHI
Producer 7 Starter	198.8	22 MED
Producer 7 No Starter	177.8	22 MED
Average Starter	**213.4**	
Average No Starter	**210.0**	

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Results: 2005 Seven fields with 27 reps planted to corn.

Starter Fertilizer	213.4 bu./acre
No- Starter Fertilizer	210.0 bu./acre[1]

[1] Not Significant at the 5% level.

Summary: Starter fertilizer applications showed no significant yield advantage when compared to no starter strips on seven irrigated corn fields in south central Nebraska in 2005. The study will be repeated in 2006.