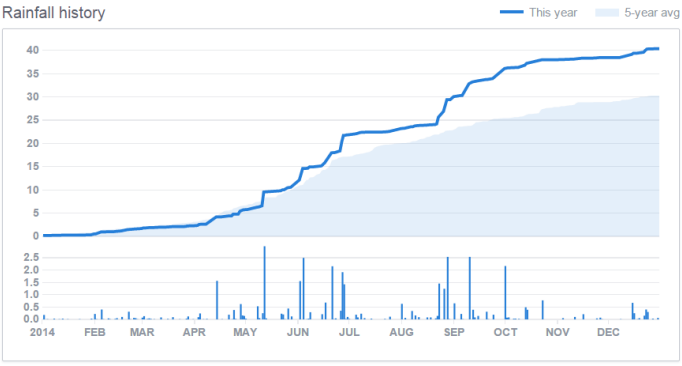
Nebraska On-Farm Research Network

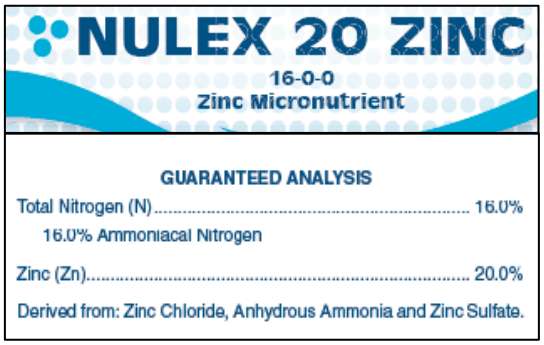
Zinc and Phosphorus Foliar Topdress in Wheat

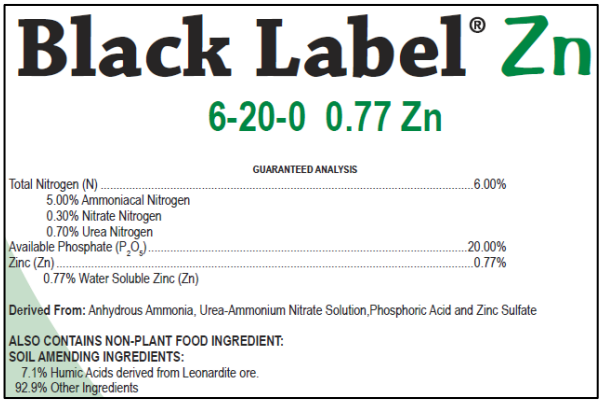
Study ID: 025155201402
County: Saunders
Soil Type: Tomek, Filber, and Fillmore silt loam
Planting Date: 10/12/2013
Harvest Date: unknown
Population: 2.1 bu/ac (125#/ac)
Row Spacing: Drilled 7.5”
Hybrid: Overland Wheat
Reps: 3
Soil Test Values: not available
Previous Crop: Soybeans
Tillage: No-Till

Herbicides: 0.9 oz/ac Harmony Extra on 4/19/14
6 oz/ac 2,4-D on 4/19/14
Insecticides/Fungicides: Evergol Energy seed treatment
7 oz/ac Prosaro on 6/5/14
Irrigation: not irrigated



Introduction: The purpose of this study was to determine if foliar applied zinc and phosphorus increased the grain yield of wheat. All treatments were applied on 4/5/14. The treatments are as follows:
Treatment 1: Nitrogen only (23 gal/ac UAN 32%)
Treatment 2: Nitrogen + Nulex 20 Zinc (23 gal/ac UAN 32% + 1 qt/ac Nulex 20 Zinc)
Treatment 3: Nitrogen + Black Label® Zn (23 gal/ac UAN 32% + 1 gal/ac Black Label® Zn)
(Guaranteed analysis for products used are below.)





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Results:

	Yield† (bu/acre)	Moisture (%)	Test Weight (lb/bu)	Net Return ‡
Trt 1: N only	78 A*	12.1 A	57.0 B	$434.88
Trt 2: N + Nulex 20 Zinc	82 A	12.4 A	58.0 AB	$456.44
Trt 3: N + Black Label® Zn	82 A	12.1 A	58.3 A	$448.63
P-Value	*0.2064*	*0.5616*	*0.0772*	--

†Bushels per acre not corrected for moisture.

*Values with the same letter are not significantly different at a 90% confidence level.

‡Net return based on $6/bu wheat price, $33.12/ac for treatment 1 products, and $35.56 for treatment 2 products, and $43.37 for treatment 3 products. No application cost is included as all treatments shared this cost.

Summary: There was no significant difference in yield for any of the treatments tested.

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