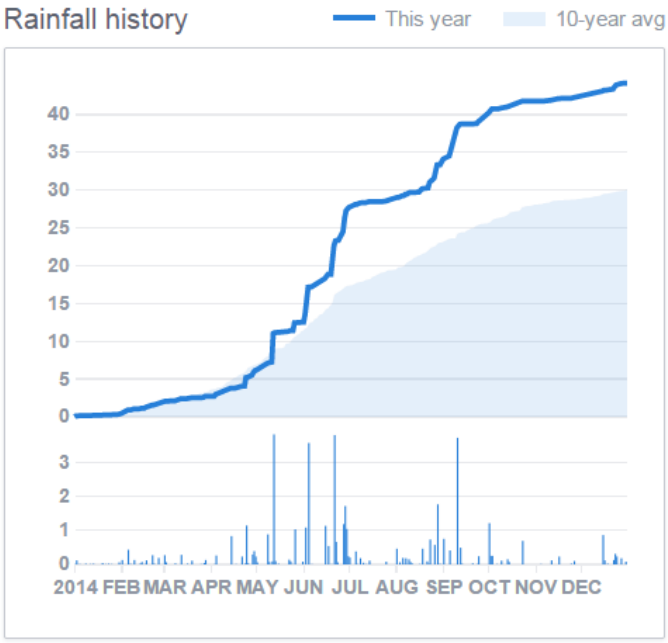
Nebraska On-Farm Research Network

Rainfed Corn Yield Response to an In-Furrow Fungicide Application

Study ID: 039053201402
County: Dodge
Soil Type: Belfore and Zook silty clay loam; Nora and Judson silt loam.
Planting Date: 4/28/2014
Harvest Date: 11/3/2014
Population: 30,000
Row Spacing: 30”
Hybrid: GH14R38
Reps: 20
Previous Crop: Soybeans
Tillage: No-Till
Herbicides: Pre: Lexar EZ 2qt +Roundup PowerMAX 22oz 5/13/14 **Post:** Armezon 0.6oz + RoundupProMax - 6/10/14
Insecticides/Fungicides: Avicta Complete Corn, Baythroid –XL – 6/26/14, Priaxor 4oz - 6/26/14, Headline AMP 10oz - 8/1/14
Fertilizer: NH3 160lbs fall 2013

Irrigation: Not Irrigated



Introduction: The purpose of this study was to determine if an in-furrow application of a fungicide resulted in an increase in corn grain yield. Headline® EC at a 3 oz/acre rate was used in this fungicide study.

Results:

	Yield† (bu/acre)	Moisture (%)	Net Return ‡
Check	213 A*	18.8 A	$743.75
Headline® EC	212 A	18.9 A	$733.86
P-Value	*0.8385*	*0.9005*	--

†Bushels per acre corrected to 15.5% moisture.

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

‡Net return based on $3.50/bu corn and $8.42/ac Headline® EC.

Summary: The application of Headline® EC in-furrow did not result in a significant yield or moisture difference when compared to the check.

Sponsored by: University of Nebraska Lincoln

In partnership with: Soybeans Nebraska Soybean Board; Nebraska Corn Board; Nebraska Corn Growers Association