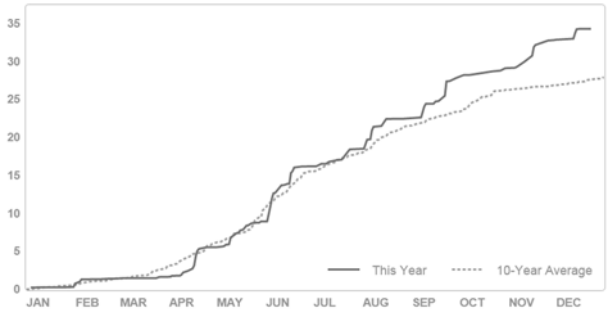
Nebraska On-Farm Research Network

AnnGro Additive with UAN through Pivot

Study ID: 195019201501
County: Buffalo
Soil Type: Hall silt loam; Wood River silt loam; Hord silt loam;
Planting Date: 4/15/15
Harvest Date: 10/5/15
Population: 35,000
Row Spacing (in.) 30
Hybrid: Channel 209-53 STX
Reps: 4
Previous Crop: Corn
Tillage: Strip-till
Herbicides: ***Pre:*** Lexar 1.5 qts/ac with crop oil ***Post:*** Roundup 33 oz/ac + AMS
Seed Treatment: Poncho 500
Foliar Insecticides: None

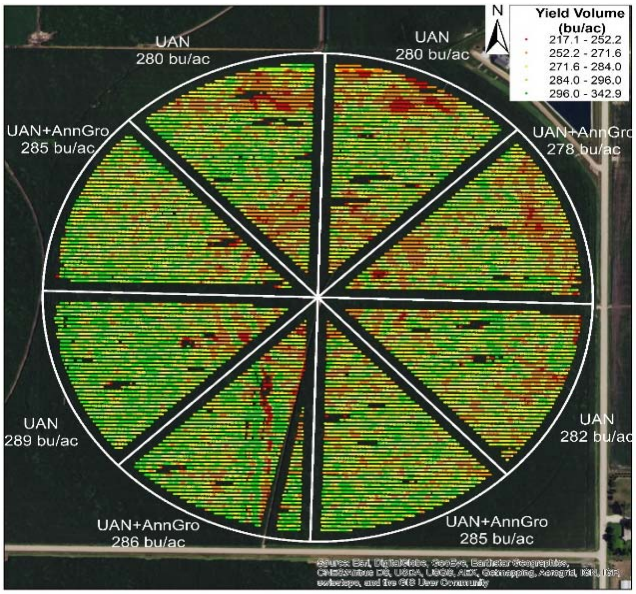
Foliar Fungicides: Headline AMP
Fertilizer: Spring - 20 gal/ac 32-0-0 and 5 gal/ac 10-34-0 on 3/20/15
15 gal/ac 32-0-0 on 4/15/15 at planting

Irrigation: Pivot, Total: unknown
Rainfall (in.):



Introduction: AnnGro® -EW Fertilizer Additive (ANNGRO USA) is a bio-based product which claims enhancement in uptake and transport of plant nutrients. The objective of this study is to evaluate the effects of AnnGro® -EW Fertilizer Additive applied with UAN fertilizer versus UAN fertilizer with no additives. The treatments are UAN and UAN with AnnGro® -EW. The treatments were applied through a center pivot. Both the UAN treatment and UAN with AnnGro® -EW were applied at a rate of 7.5 gpa at 3 times through the growing season between 6/20/15 and 7/5/15.

This product is not commercially available, therefore marginal net return is not included in the results.



Results:	Yield (bu/ac)†	Moisture (%)	Harvest Stand Count
AnnGro in Solution with UAN 32%	284 A*	19.0 B	33,167 A
Check - UAN 32%	283 A	19.1 A	32,875 A
P-Value	0.6109	0.0647	0.6858

†Bushels per acre corrected to 15.5% moisture.
*Values with the same letter are not significantly different at a 90% confidence level.

Summary: The addition of AnnGro® -EW did not have any impact on corn yields. Grain moisture at harvest was significantly drier for the AnnGro® -EW treatments. There was not difference in harvest stand counts between the AnnGro® -EW treatment and the check.

This study was sponsored in part by: AnnGro USA, LLC

In Partnership with: