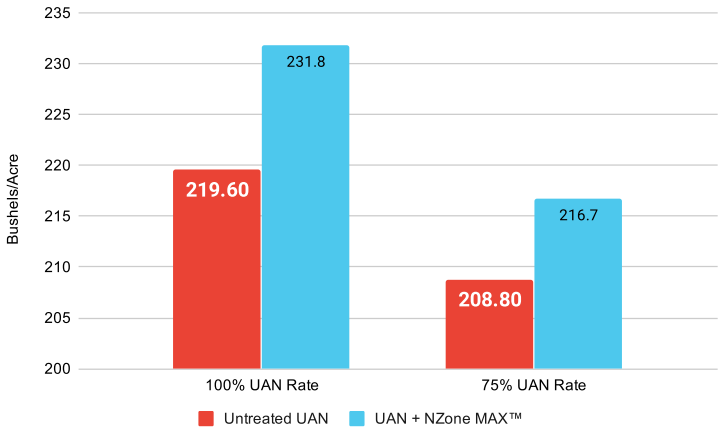
AgXplore Field**RESULTS**

FERTILIZER MANAGEMENT AIDS

NZONE MAX™

NZone MAX™ UAN Fertigation Corn Trial

Results



Objective(s)

- Evaluate the effect of nitrogen efficiency on yield response when utilizing a precision center pivot system, comparing UAN solutions (28-0-0-5) treated with NZone MAX™ and untreated grower standard UAN applications on corn.

Overview

- Nitrogen is commonly used in most major commodity crop productions.
- All nitrogen sources are susceptible to loss pathways via the nitrogen cycle.
- Only specific forms of nitrogen can be utilized and absorbed by the plant.
- NZone MAX™ is a nitrogen management aid with XN Technology™ specifically focused for use with UAN applications to aid in the utilization and uptake of nitrogen, as well as reduce nitrogen loss.

Trial Details

Locations and Crop Management:

CROP: Corn; Irrigated

YEAR(S): 2018

DATA SOURCE: Irrigation Research Foundation, Yuma, CO, USA

EXPERIMENTAL DESIGN: A quarter of a circle was divided into 4 blocks, with each block having a minimum of 6 replications.

CROPPING CONDITIONS: Trials conformed to local cropping practices. A 6/6/18 hail event caused some yield value reduction.

UAN RATES: 100% UAN rate (10 gal/ac), 75% UAN rate (7.5 gal/ac)

APPLICATION SCHEDULE: 5/29/18, 6/15/18, 7/2/18, 7/11/2018

APPLICATION METHOD: Fertigation

APPLIED WATER: 12.75"

RAINFALL: 14.57"

SEED VARIETY: G03C84-5122

PLANTING DATE: 5/1/18

HARVEST DATE: 10/26/18

SEED POPULATION: 340,000 S/A

Summary

- UAN treated with NZone MAX™ outyielded grower standard untreated UAN on corn.
- By using treating UAN with NZone MAX™ you can decrease N spend and still see a greater ROI.

$38.49

net profit/ac

Increase with UAN + NZone MAX™ over untreated UAN

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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

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