

NITROGEN USE EFFICIENCY AT PRE-PLANT



OBJECTIVE

To compare the impact on yield and grain quality in corn using leading nitrogen stabilizers and Excelis Maxx at pre-plant against an untreated control.

RESEARCHER:

Innovation Farm

SITE LOCATION:

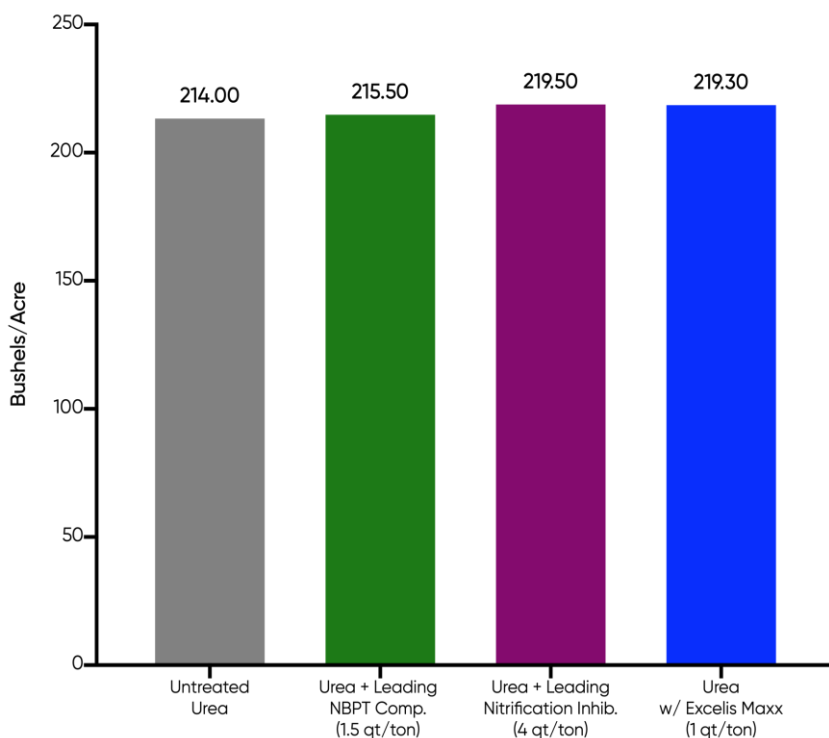
Gratiot, Wisconsin

STUDY INFORMATION

| | |
|---------------|--------------------------|
| Variety | Hybrid Jacobsen JS9626SS |
| Population | 36,500 |
| Planting Date | 27-April-2021 |
| Harvest Date | 22-Oct-2021 |

Corn Yield Response for Urea-Nitrogen Additives at 400 lbs Pre-Plant

Timac Agro Innovation Farm (Gratiot, WI)



KEY FINDINGS

ROI: \$20.41

With the gross revenue calculated at \$3.78/bushel for corn at \$250.00/gal for Excelis Maxx and urea at \$400/ton

+5.3 bu/ac

Increase in average bushels per acre with Excelis Maxx against untreated urea

APPLICATION

Trial ID: RT-21-CM-COR-EM-1

| Treatment | Application Rate |
|--|-------------------|
| Untreated Urea | 400 lbs per acre |
| Urea + Leading NBPT Competitor | 1.5 quart per ton |
| Urea + Leading Nitrification Inhibitor | 4 quart per ton |
| Urea w/ Excelis Maxx | 1 quart per ton |