

2013 Haired Corn Foliar Fungicide Trial

South Central Agriculture Laboratory
Clay Center, NE

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2013 Hail Damage

On August 1st, a storm event with strong wind and hail occurred when the corn was at the end of the R1 growth stage which caused an estimated 30% defoliation.



2013 Diseases

A trial average assessment for foliar disease was taken on August 8th for documentation of the foliar disease level near the time of the hail event. Only common rust was observed at a severity percentage of 0.25%.



2013 Trial Information



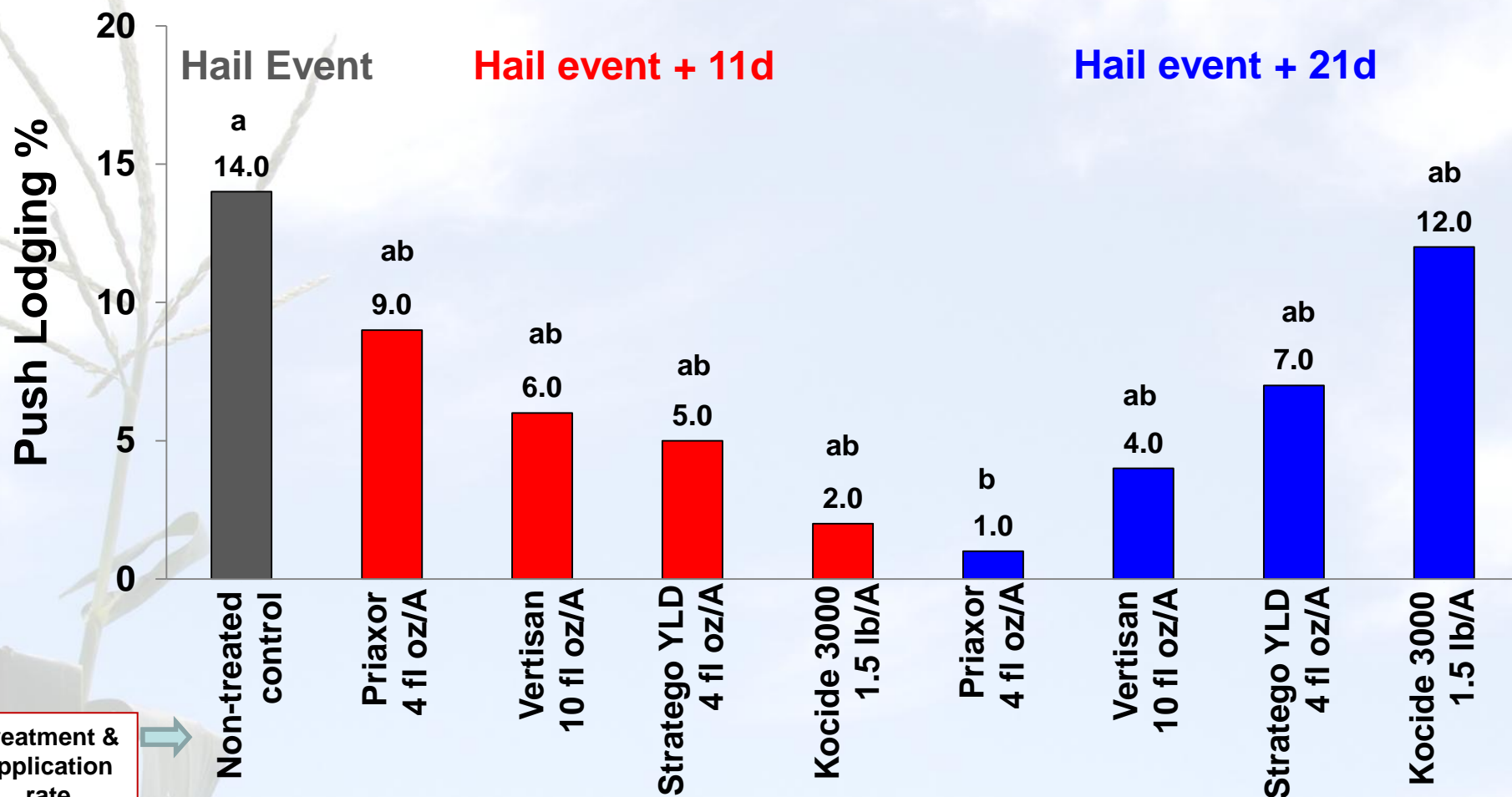
- Last year's crop was corn
- Planting date: 5/24/13
- Target plant population of 32,000 plants/A
- Corn hybrid: Novartis N6800 GT
- Eight foliar fungicide treatments and a non-treated control replicated five times
 - NIS added at 0.25% v/v
- Treatments applied Aug. 12th & Aug. 22nd (11 & 21 days after hail event)
- High clearance sprayer used at 20 gpa at 40 psi
- Alley width & row spacing = 30 inches
- Overhead sprinkler irrigated



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Push lodging % assessed on October 16th, 2013
Physiological maturity stage (R6)

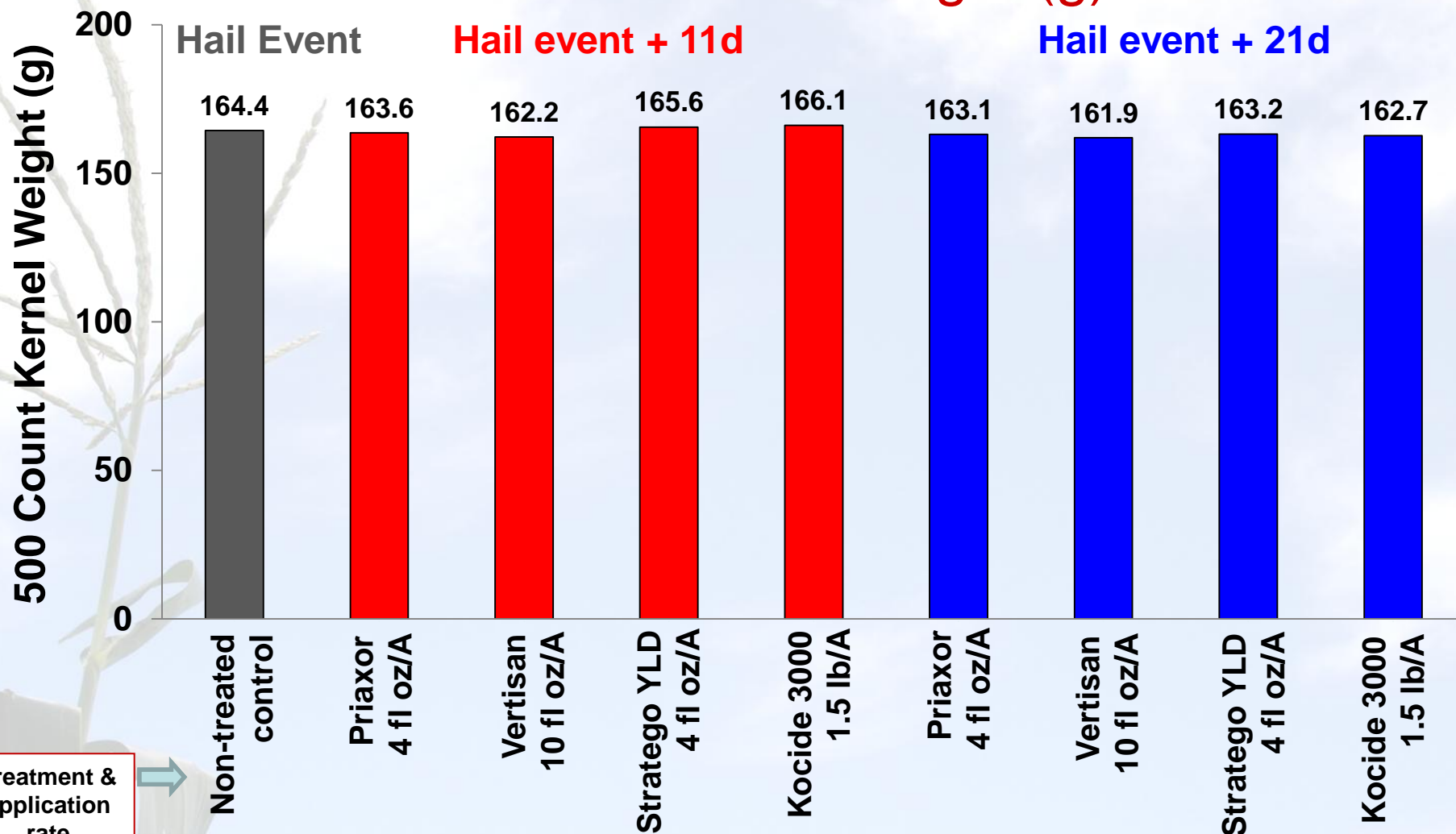


* Foliar fungicide applications made at the end of silking (R1). NIS added at 0.25% v/v.

* Treatments with different letters are statistically different. Coefficient of variation is 108.8%.

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500 count kernel weight (g)

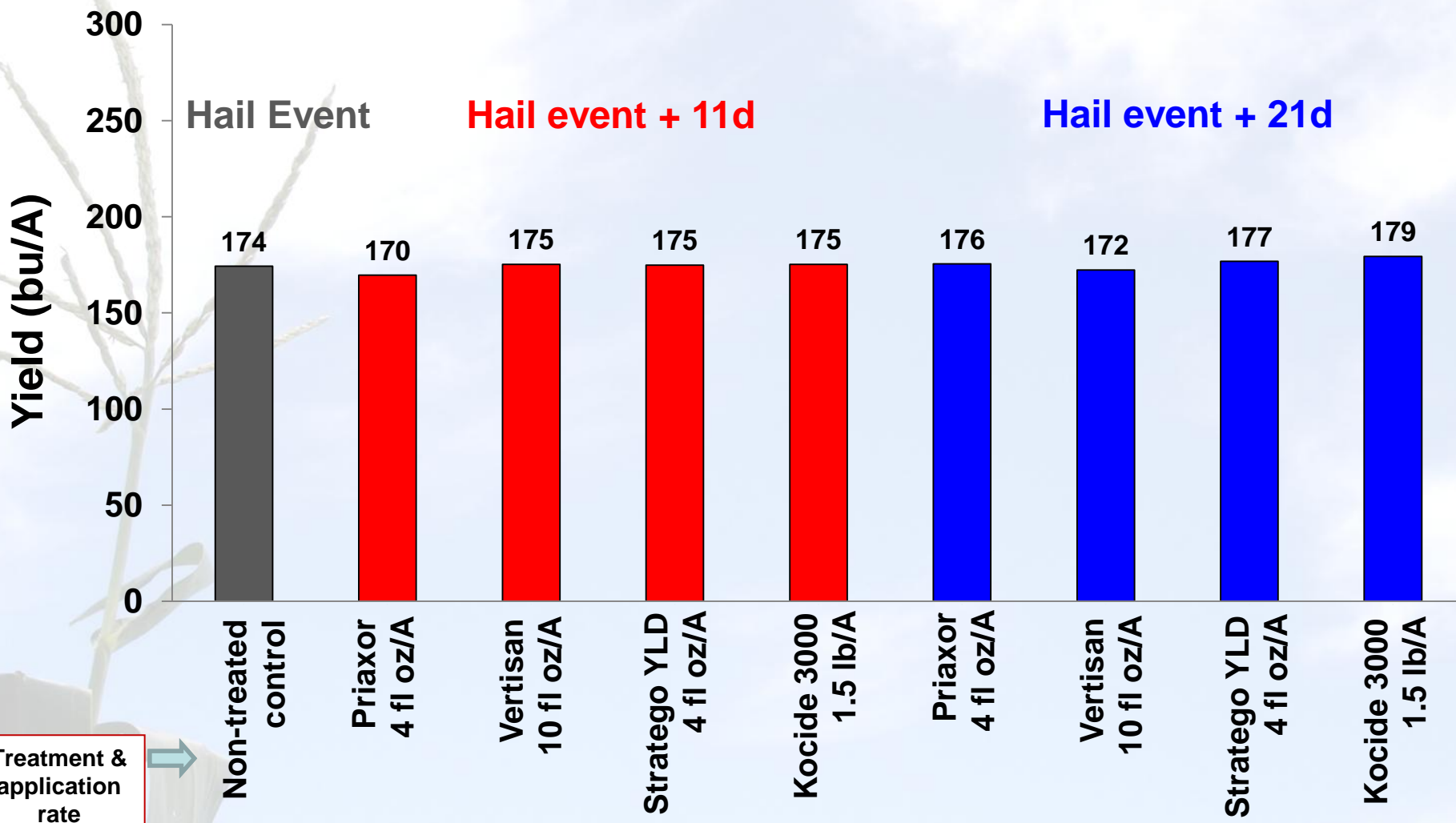


* Foliar fungicide applications made at the end of silking (R1). NIS added at 0.25% v/v.

* No statistical differences among treatments. Coefficient of variation is 2.2%.

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Yield (bu/A) on November 1st, 2013

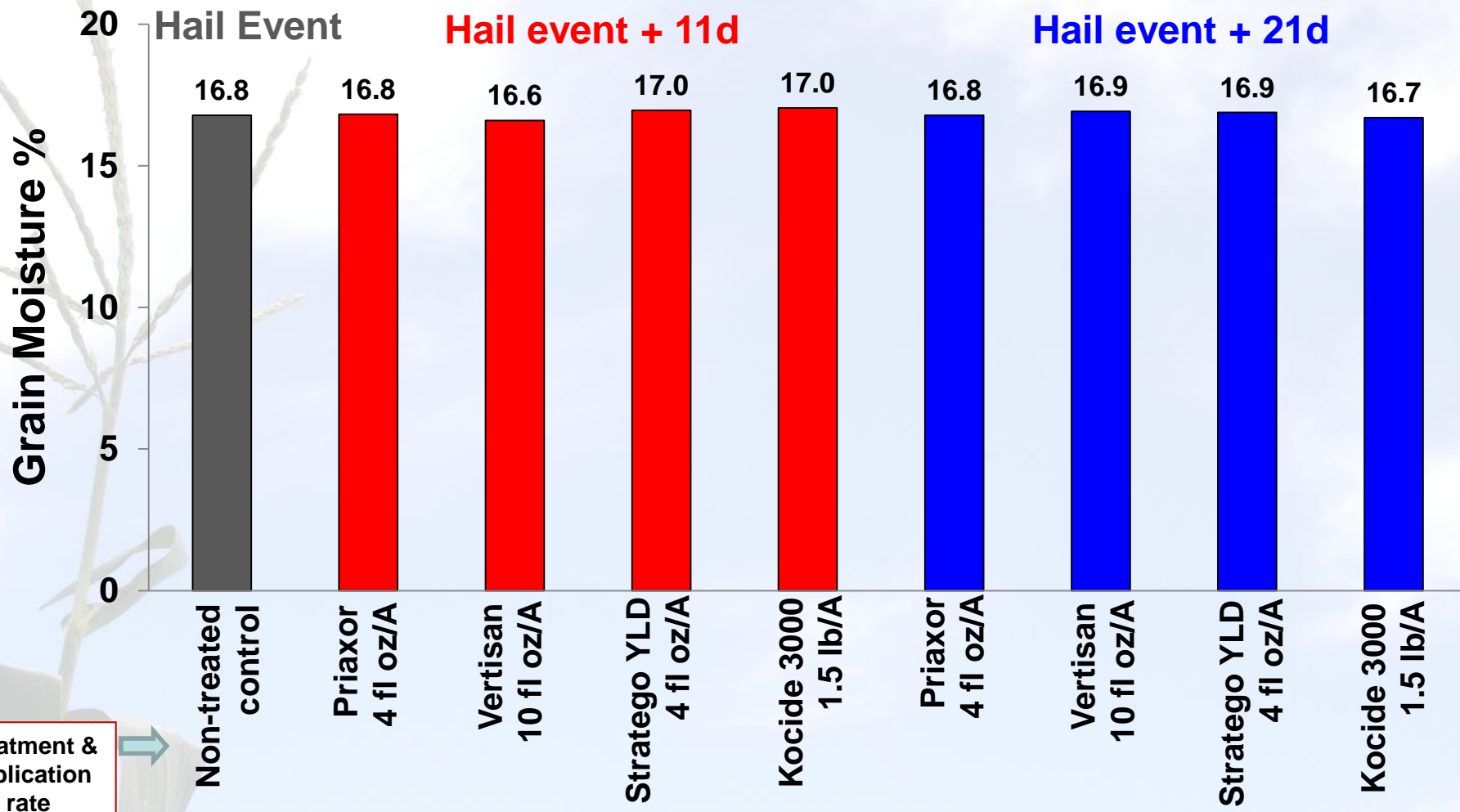


* Foliar fungicide applications made at the end of silking (R1). NIS added at 0.25% v/v.

* No statistical differences among treatments. Coefficient of variation is 3.4%.

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Grain moisture % at harvest on November 1st, 2013



* Foliar fungicide applications made at the end of silking (R1). NIS added at 0.25% v/v.

* No statistical differences among treatments. Coefficient of variation is 1.6%.

Acknowledgments

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