

2009 Foliar Fungicides on Corn Product Comparisons

South Central Ag Lab
Clay Center, NE

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2009 Diseases

Gray leaf spot (GLS) was moderately severe and was the predominant foliar disease at this location again in 2009.



2009 Diseases

Common rust developed, but remained at low incidence and severity at this location in 2009.



2009 Diseases

Eyespot and Physoderma brown spot were present in this trial, but at very low incidence and severity, thus not justifying ratings for these diseases at this location in 2009.



2009 Foliar Fungicide Trials



- High clearance sprayer used
- Elevated disease risk:
- Continuous corn
- Corn hybrid:
 - DKC 60-18 (GLS rating 7/fair)
- Planting date: 5/6/09
- 6 reps
- 20 gpa
- Overhead sprinkler irrigated

2005-2006

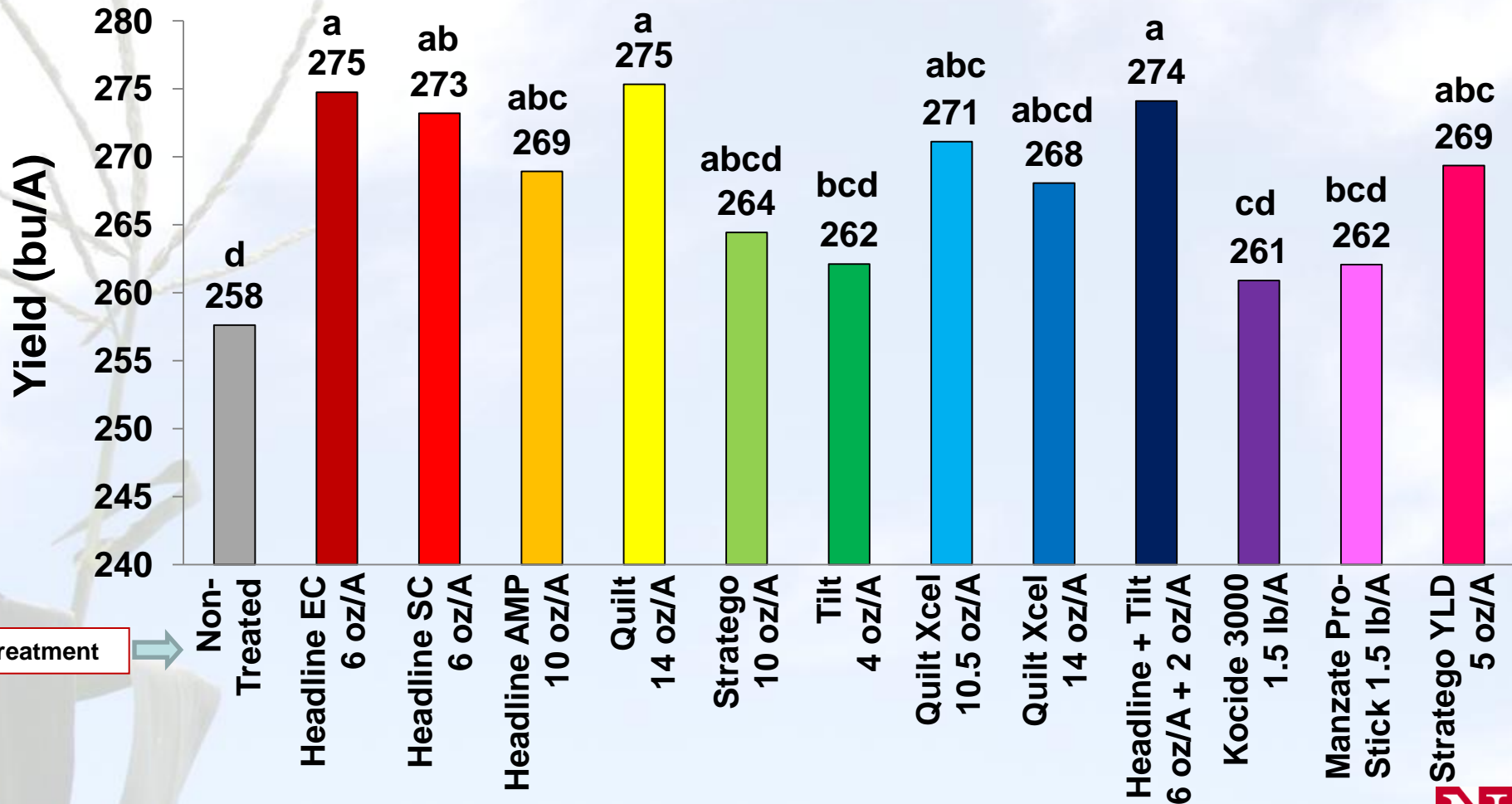


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2009 Fungicide Comparison Trial in NE

Yield (bu/A)

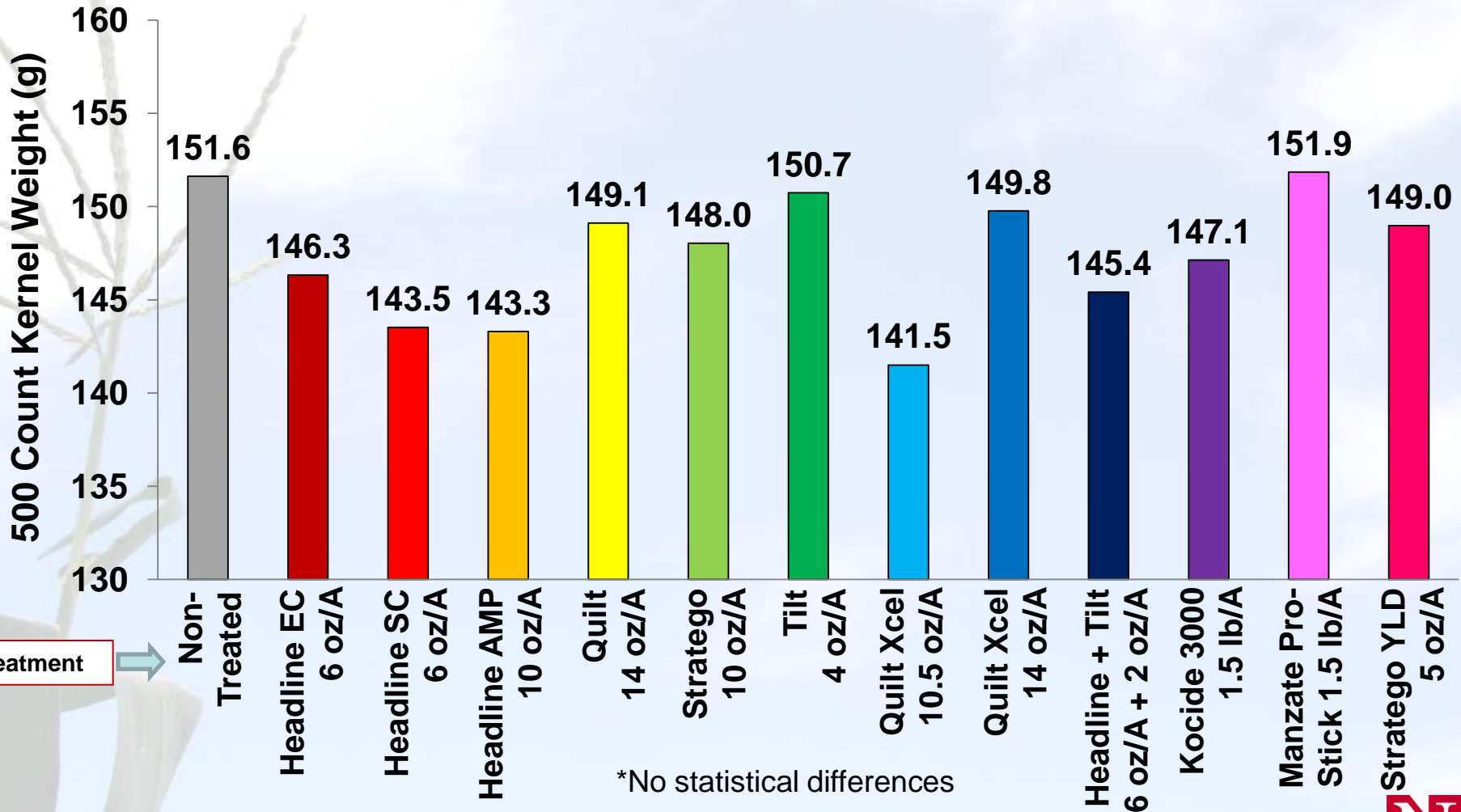
VT Application 7/17/09



2009 Fungicide Comparison Trial in NE

500 Count Kernel Weight (g)

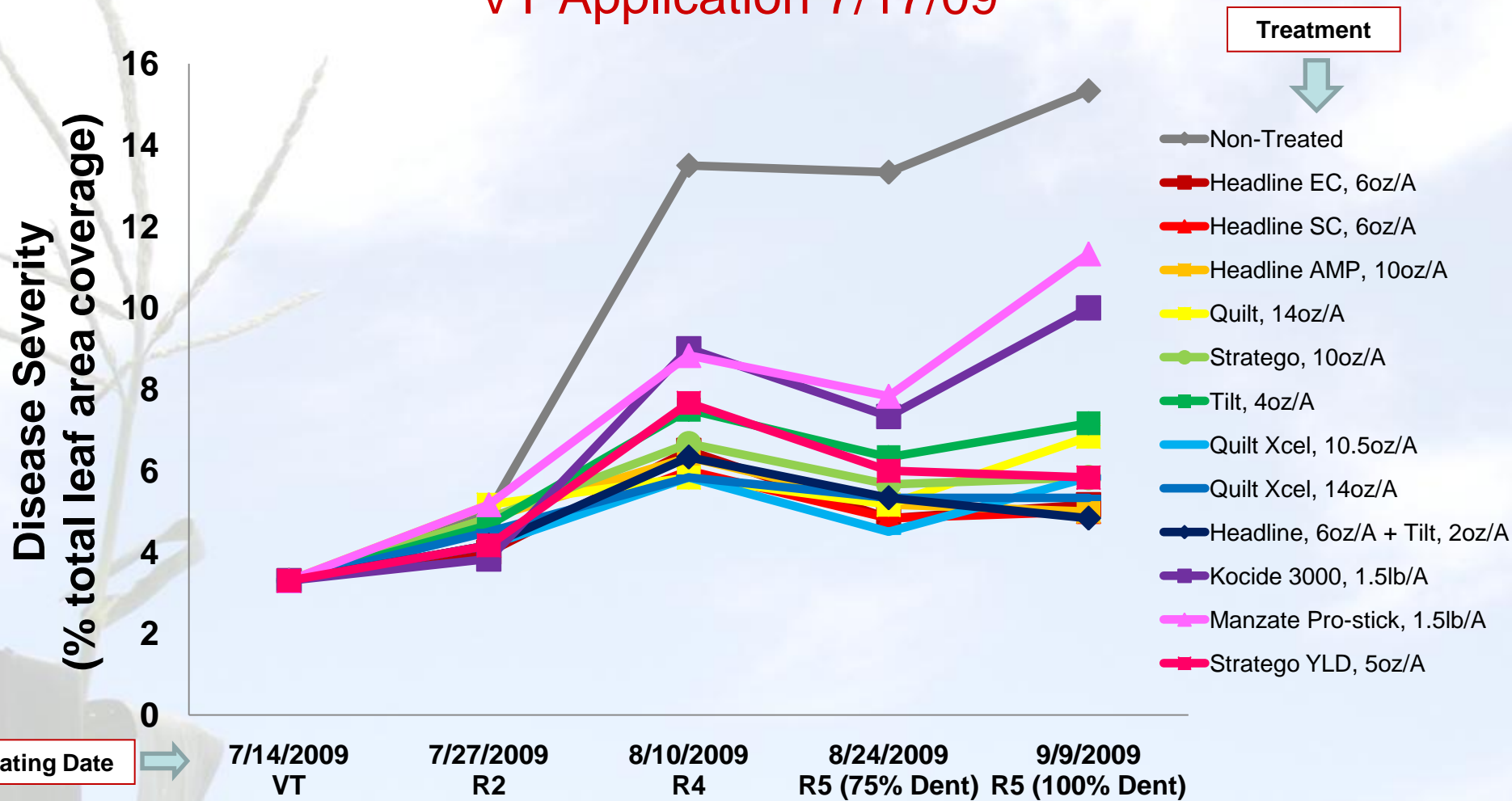
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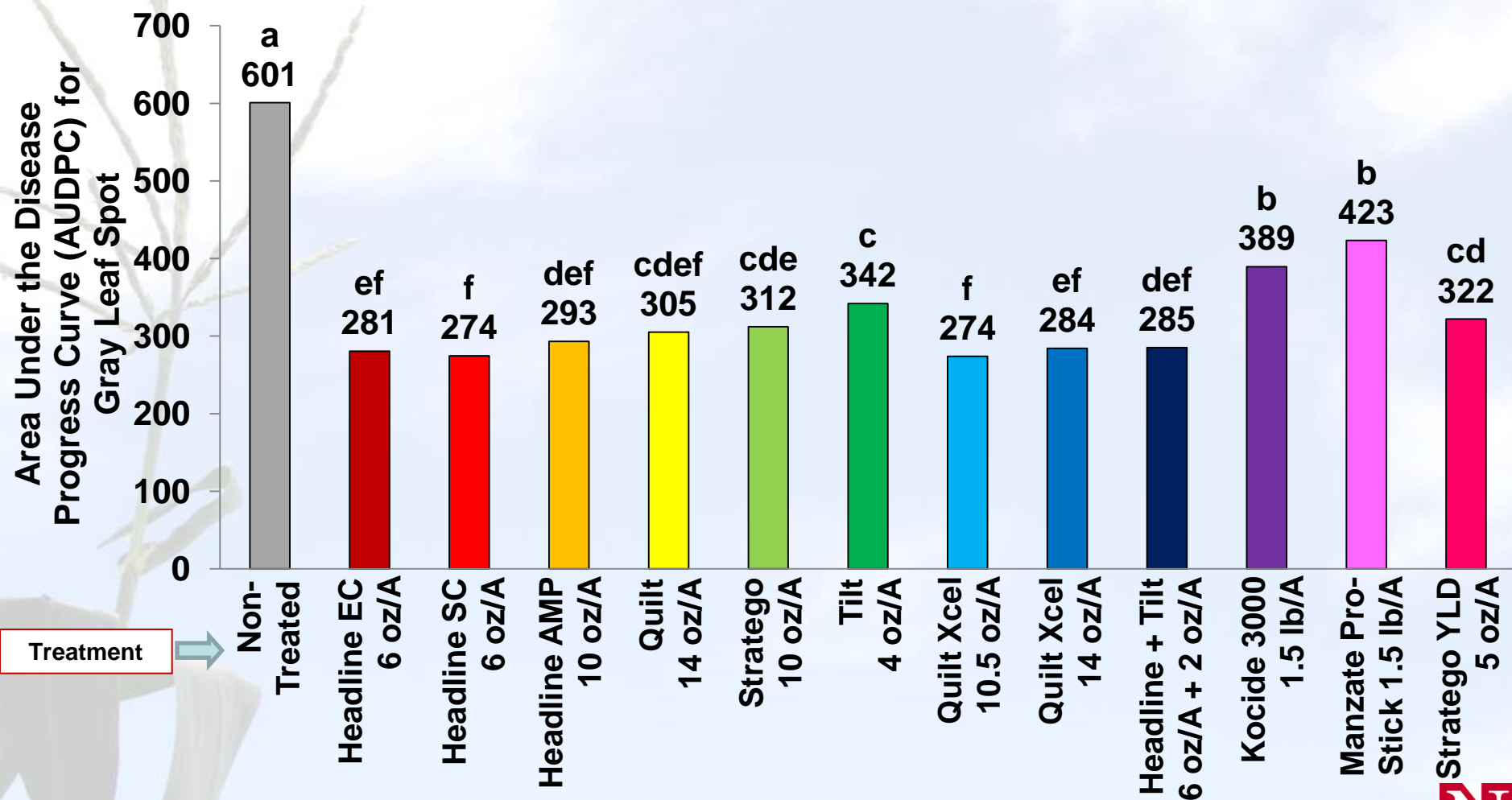
Gray Leaf Spot Disease Severity (%)

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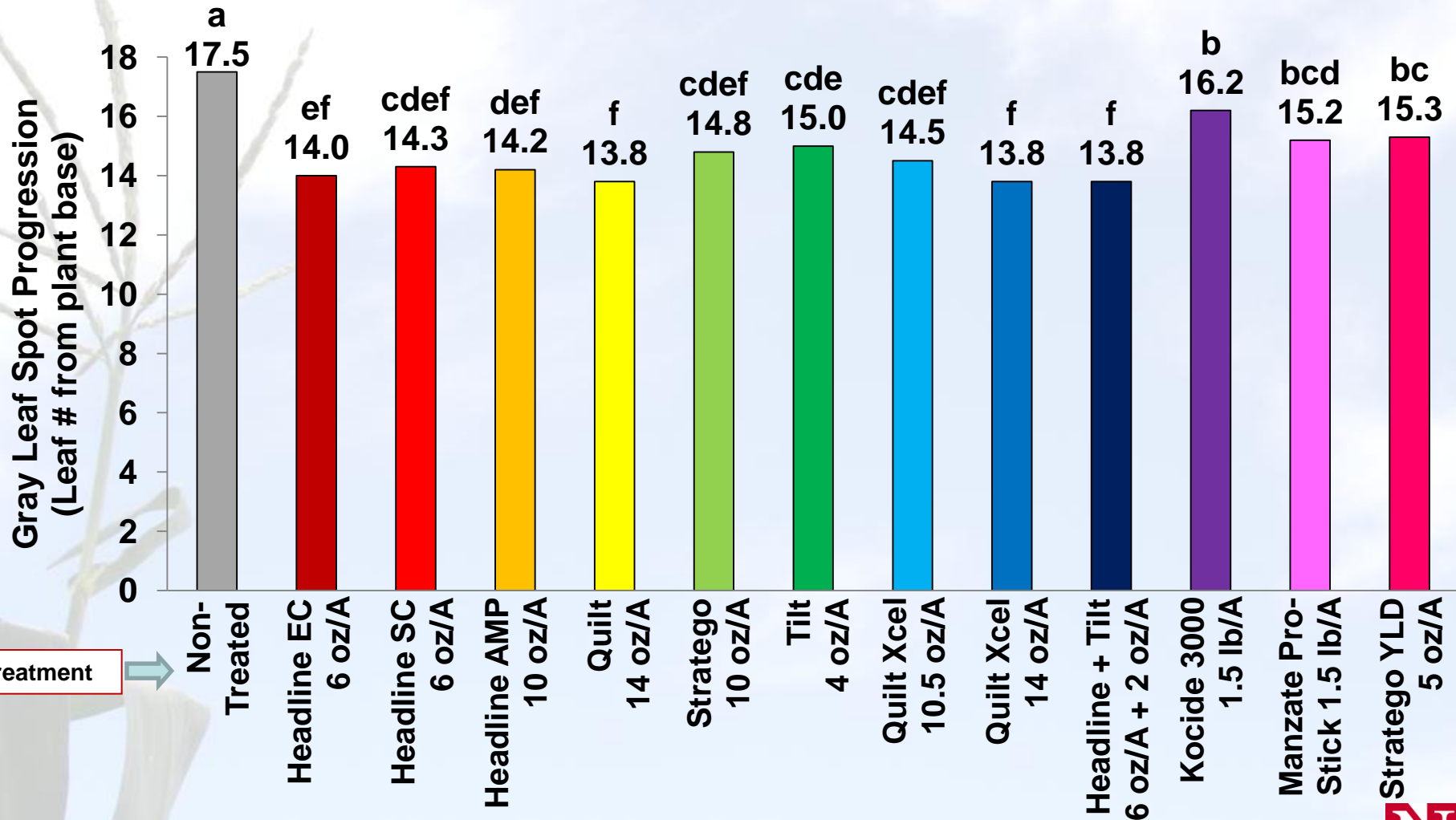
Area Under the Disease Progress Curve (AUDPC) for Gray Leaf Spot
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Gray Leaf Spot Progression (Leaf Number)

VT Application 7/17/09, August 10, 2009 rating date (R4 growth stage)

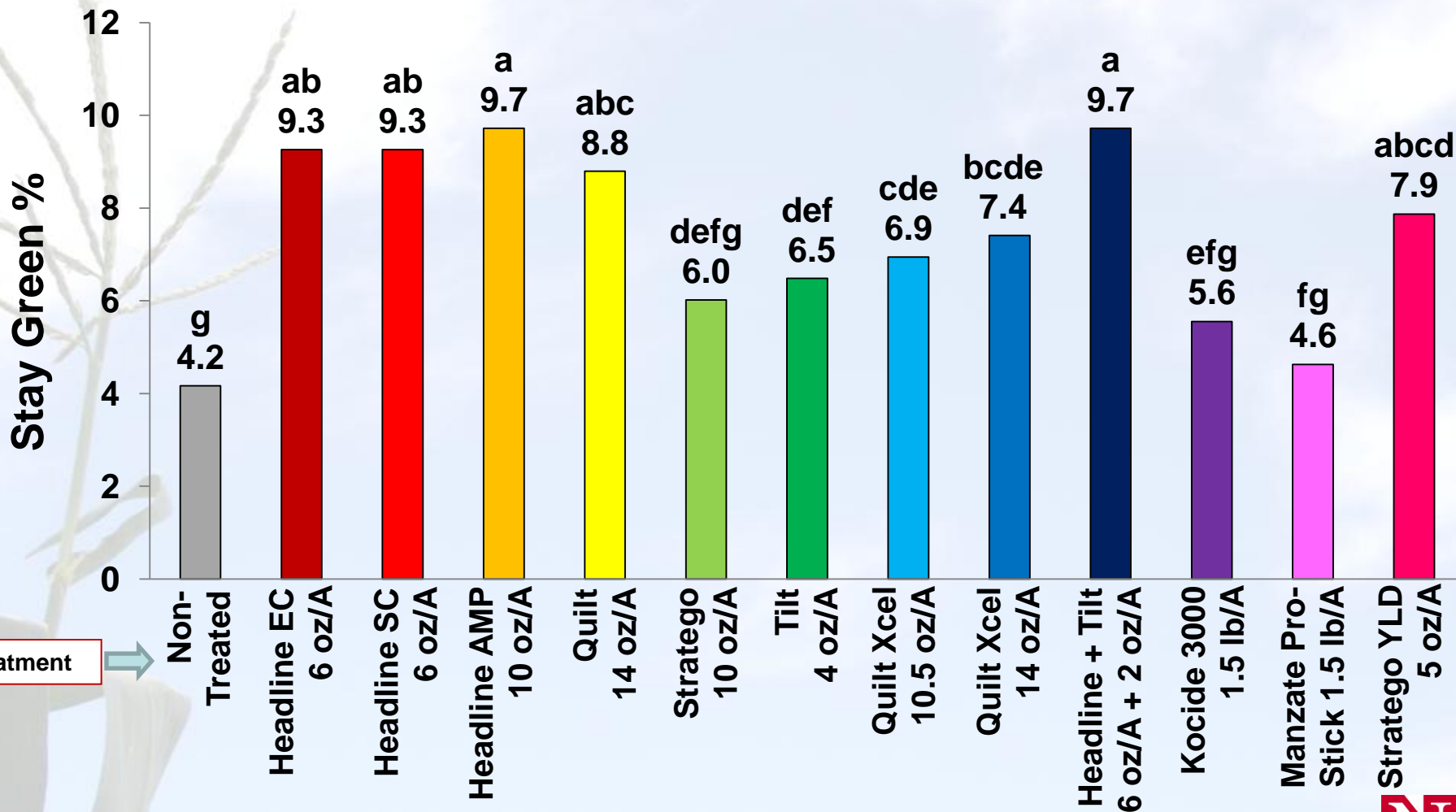


Treatment

2009 Fungicide Comparison Trial in NE

Stay Green (%) assessed on October 14, 2009

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