

Replicated Strip Trial Report for ST2015IA229A

This is a Plant Nutrition - Nitrogen Rate trial comparing 140 N Pre vs. 140 N Pre + 50 SD on a corn following soybeans rotation, located in Clay County, Iowa.

Aerial Imagery Flown September 2, 2015

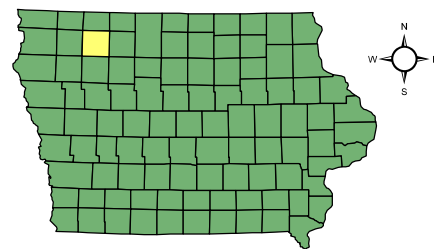


Natural Color

0 115 230 460 Feet



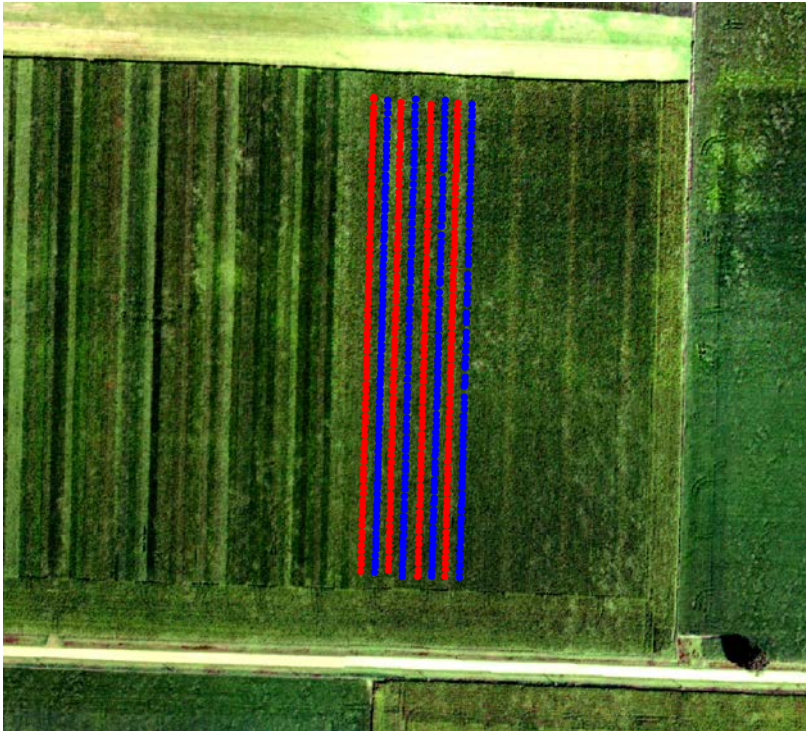
Color Infrared



Clay County, IA

Treatment Layout and Results

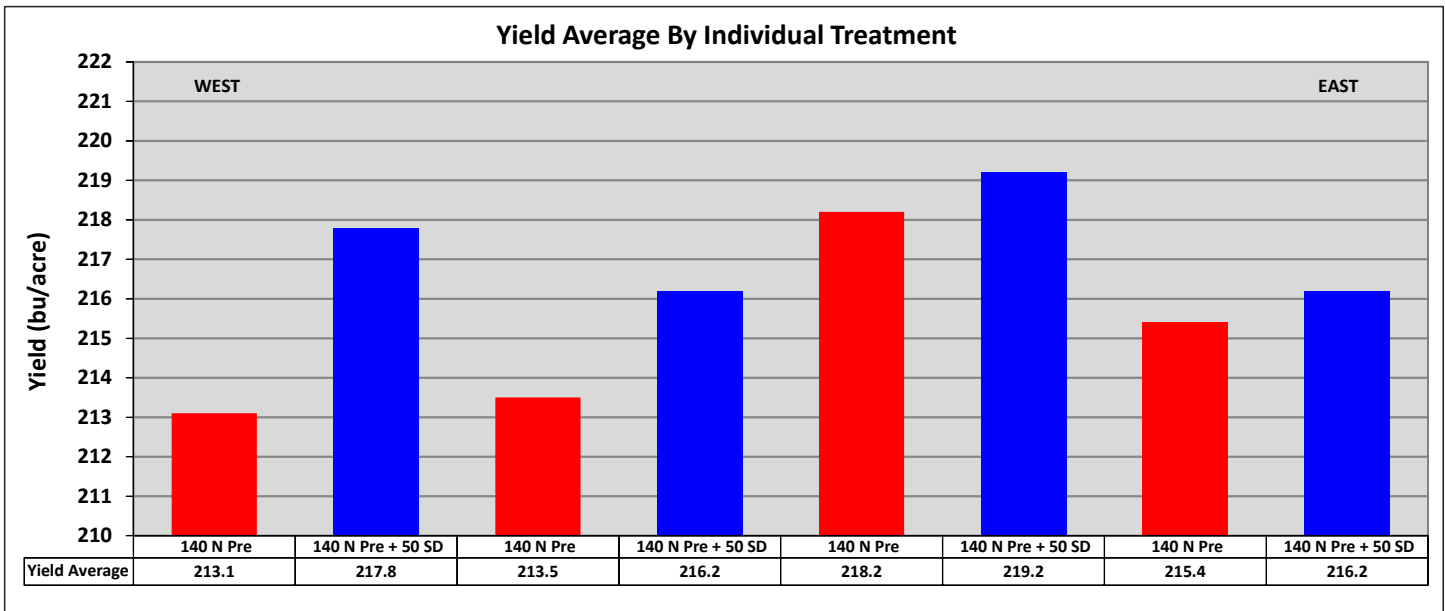
Trial ID: ST2015IA229A



Trial Type	Plant Nutrition - Nitrogen Rate
Trial Detail	N + 50
Crop Rotation	Corn following Soybeans
Planting Date	5/1/2015
Seed	Channel 203-88STXRIB
Application Detail	Applied on 6/15/2015
Harvest Date	10/19/2015
Comments	N/A

TREATMENT

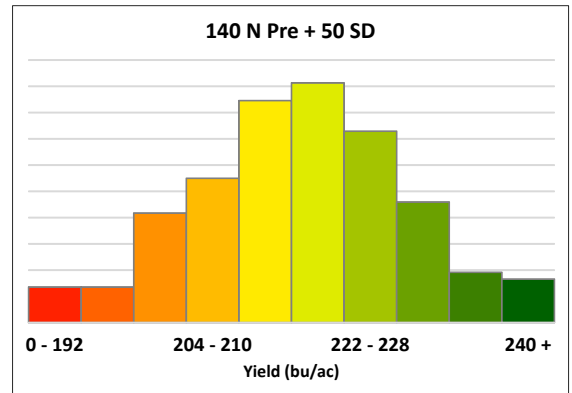
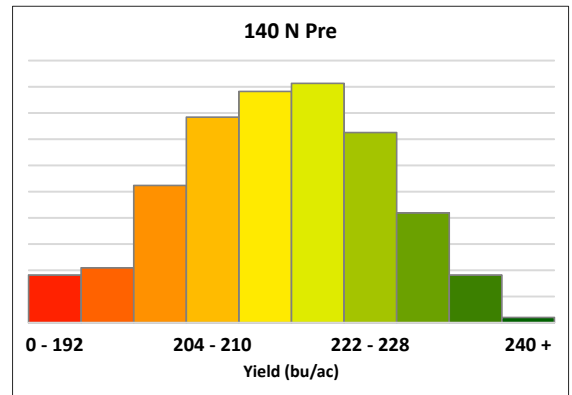
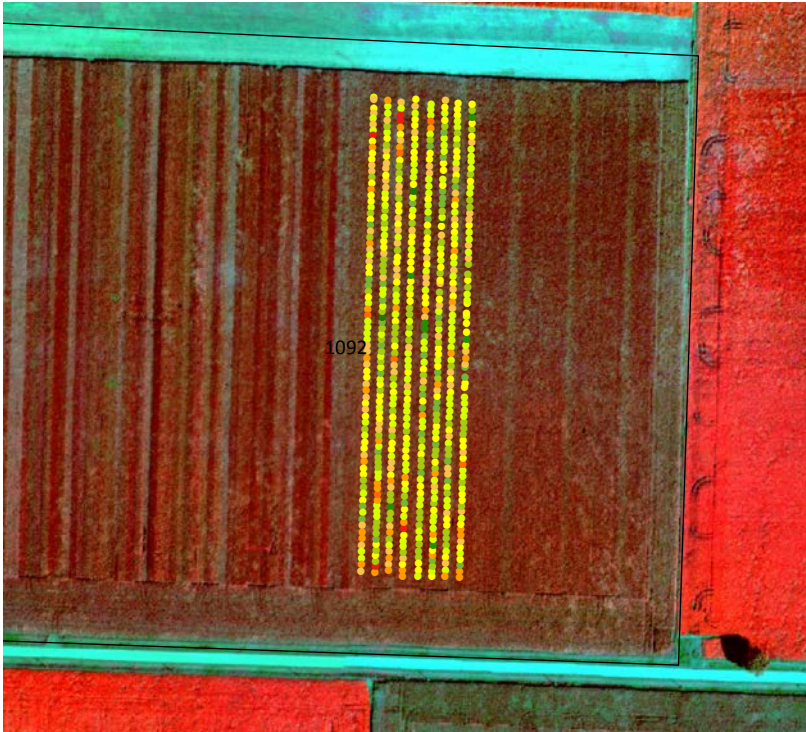
- 140 N Pre
- 140 N Pre + 50 SD



Yield Average for All Individual Treatments (bu/acre)	<u>140 N Pre</u> 215.0	<u>140 N Pre + 50 SD</u> 217.3	<u>Yield Difference</u> -2.3	A randomization test suggested some evidence of a significant yield difference.
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Grain Yield with Soil Survey

Trial ID: ST2015IA229A



Yield By Treatment and Soil Map Unit						
Soil Map Unit	Map Symbol	Percent of Trial		Yield (bu/acre)		Yield* Difference
		140 N Pre	140 N Pre + 50 SD	140 N Pre	140 N Pre + 50 SD	
Gilllett Grove Silty Clay Loam, 0 To 2 Percent Slopes	1092	49.1	50.9	215.0	217.4	-2.4

*Yield differences calculated for Soil Map Units that have relatively small areas might not be representative of the treatments.

Summary Statistics and Rainfall

Trial ID: ST2015IA229A

Harvest Variable	Treatment		Variable Differences
	140 N Pre	140 N Pre + 50 SD	
Combine Speed (mph)	Not Available	Not Available	0.0
Grain Moisture (%)	17.8	17.3	0.5

