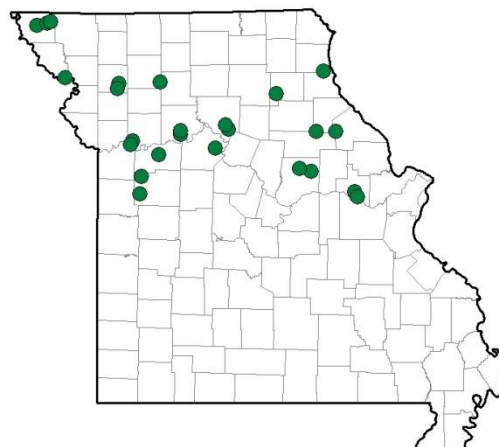


C-Pro: Likelihood of Yield Response to Sulfur

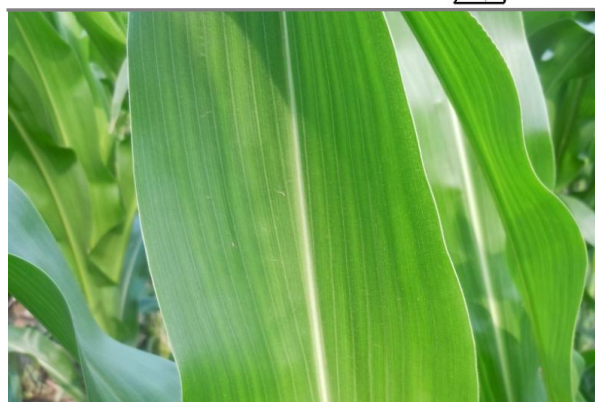
Objectives

- Investigate yield response to sulfur application
- Determine whether we can predict when a yield response to S is likely, based upon particular soil characteristics



Study Description

- Report summarizes 2011 yield data
- Preplant application of ammonium sulfate [21-0-0-24]; i.e. plots received additional N with the S
- Soil and tissue samples collected
- Across Missouri, excessive heat and below-average precipitation occurred during July
- Yield data edited with Yield Editor® 1.02 (USDA-ARS) and analyzed with GIS software, FIT Studio®

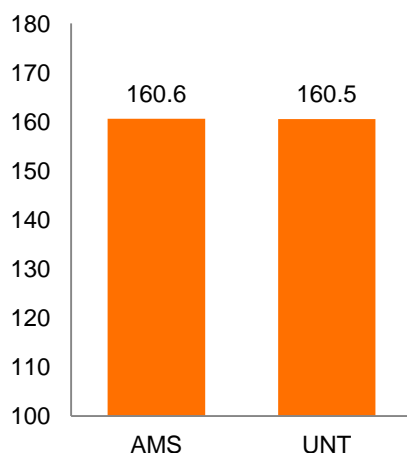


Results

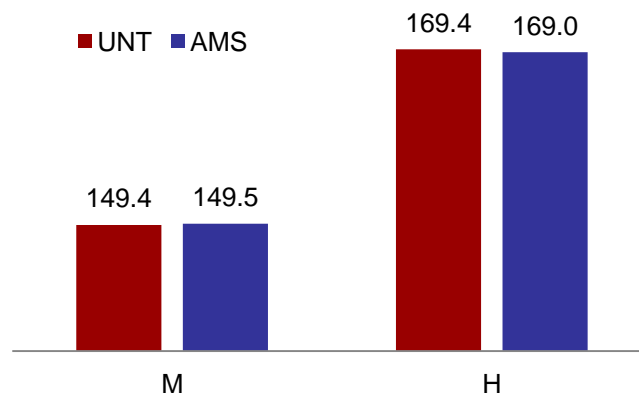
- Across 25 trial locations, AMS-treated corn yielded similarly to untreated corn, regardless of the soil's % OM, P level, K level, S level (*graphic to the right*) and CEC

- Corn was not more likely to respond to the AMS treatment at lower soil test sulfur levels

**Yield Response to AMS
[Across 25 Locations and 23 Hybrids]**



**Yield Response to AMS at Differing Sulfur Levels in the Soil
[Across 25 Locations and 23 Hybrids]**



* Classifications of medium (M) and high (H) are based upon University of Missouri soil test recommendations.



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