

Soybean response to nitrogen applications. (S04-scharf172217-Poster)

Authors:

- P.C.Scharf - *University of Missouri*
- W.J.Wiebold - *University of Missouri*

Abstract:

Soybean yield increases due to N fertilizer have been reported recently, particularly for N applications during the reproductive stages. It is also known that nitrate inhibits nodulation and nodule activity and could potentially reduce yield. Our objective was to evaluate the effect of N fertilizer on soybean yield. Forty-six experiments were conducted with N fertilizer applied at times ranging from planting to late reproductive stages. Some experiments had significant positive or negative responses to some N fertilizer treatments, but overall it appears that N had little effect on soybean yield. As of this writing, we have not identified any factors related to yield response that could be used to make management decisions.

Corresponding Author Information:

Peter Scharf
University of Missouri
Agronomy Department, 210 Waters
Hall
Columbia, MO 65211

phone: 573 882 0777
fax: 573 884 4317
e-mail:
scharfp@missouri.edu

Presentation Information:

Presentation Date: Tuesday, November 12, 2002
Presentation Time: 2:00-4:00 pm
Poster Board Number: 1539

Keywords:

soybean, nitrogen fertilizer