

2013

Soybean Fungicide Evaluation Study

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Recommended Citation

Kassel, Paul C. and Sievers, Joshua L., "Soybean Fungicide Evaluation Study" (2013). *Iowa State Research Farm Progress Reports*. 1972.
http://lib.dr.iastate.edu/farms_reports/1972

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Soybean Fungicide Evaluation Study

Abstract

The objective of this study was to evaluate Priaxor and Headline fungicides on two different soybean varieties. Past studies have shown yield benefit from fungicide application in the absence of foliar leaf disease. Pioneer 92Y51 and Kruger K2-1901 were planted May 14 at 156,00 seeds/acre. The fungicide treatments were 6.0 oz/acre of Headline or 4.0 oz/acre of Priaxor plus 4.0 oz/acre NIS at 13.9 GPA on July 23 at the R3 stage of development. Plot size was eight, 30-in. rows by 75 ft in length. The center six rows were harvested for yield data. The plot was harvested on September 18, 2012.

Keywords

Agronomy

Disciplines

Agricultural Science | Agriculture | Agronomy and Crop Sciences

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RFR-A1253

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Introduction

The objective of this study was to evaluate Priaxor and Headline fungicides on two different soybean varieties. Past studies have shown yield benefit from fungicide application in the absence of foliar leaf disease.

Materials and Methods

Pioneer 92Y51 and Kruger K2-1901 were planted May 14 at 156,00 seeds/acre. The fungicide treatments were 6.0 oz/acre of Headline or 4.0 oz/acre of Priaxor plus

Results and Discussion

The experimental area was assessed for the presence leaf disease on August 24. No specific leaf disease ratings were performed because of very low levels of foliar leaf disease. Soybean yield did not respond to the fungicide treatments in this study.

Acknowledgements

Appreciation is extended to Josh Sievers for his assistance with this study. We would also like to thank Mark Storr of BASF for his support of this project.

Table 1. Response of two soybean varieties to Priaxor and Headline fungicide.

Variety	Treatment	I	II	III	IV	Average
		----- bu/a -----				
P 92Y51	none	54.7	49.5	51.4	51.4	51.8
	Priaxor	58.2	48.9	47.4	50.3	51.2
	Headline	52.6	54.2	52.6	51.6	52.8
K2-1901	none	58.9	52.8	54.5	50.6	54.2
	Priaxor	59.2	54.4	53.7	54.2	55.4
	Headline	53.6	54.9	53.9	50.7	53.3