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Soybean Fungicide Demonstration

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Abstract

Nine different fungicides were evaluated at the Northwest Research Farm in 2005. The products that are labeled as section 3 and section 18 fungicides for the management of Asian soybean rust were included in this study.

Disciplines

Agricultural Science | Agriculture

Soybean Fungicide Demonstration

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Introduction

Nine different fungicides were evaluated at the Northwest Research Farm in 2005. The products that are labeled as section 3 and section 18 fungicides for the management of Asian soybean rust were included in this study.

Materials and Methods

Fungicides were evaluated for effectiveness on leaf disease control and potential yield enhancement. The Headline treatments were applied on four different dates to evaluate the effect of different timings on yield potential.

Results and Discussion

No growth differences were observed in these plots where there were very low levels of leaf

disease in this plot. Some brown spot and bacterial blight were present, but at very low levels. Observations on September 16 showed very little difference in maturity among treatments.

There were no significant yield differences among treatments. There may have been some yield benefit from the Headline treatment at the R3 stage.

This type of research will continue to evaluate the yield enhancement effects of soybean fungicides for fields with low levels of leaf disease.

Acknowledgments

Appreciation is extended to Mark Storr of BASF for his assistance with this study.

Table 1. Fungicides evaluated at the Northwest Research Farm.

No.	Product	Rate/acre	Growth stage*	Yield, bu/acre 13.0% h20
1.	Headline	6.0 fl. oz.	R1	55.4
2.	Headline	6.0 fl. oz.	R2	55.9
3.	Headline	6.0 fl. oz.	R3	61.3
4.	Headline	6.0 fl. oz.	R4	56.5
5.	Headline	4.4 fl. oz.	R3	59.1
6.	Caramba	7.7 fl. oz.		
6.	Headline SBR (Headline + Folicur)	7.8 oz	R3	55.4
7.	Stratego 250 (Gem + Tilt)	7.0 fl. oz.	R3	54.8
8.	Gem	2.88 fl. oz.	R3	57.4
	Folicur	3.1 fl. oz.		
9.	Folicur	4.0 fl. oz.	R3	53.6
10.	Quilt	14.0 fl. oz.	R3	57.1
11.	Laredo	7.0 fl. oz.	R3	58.2
12.	Domark 230	5.5 fl. oz.	R3	54.8
13.	Check			56.0

*Treatments for R1 stage was applied on July 13, for R2 stage on July 19, for R3 stage on July 26, and for R4 stage on August 5.