

January 17, 2012

Fungicide on Soybeans

AGRONOMY TOPIC OF THE WEEK

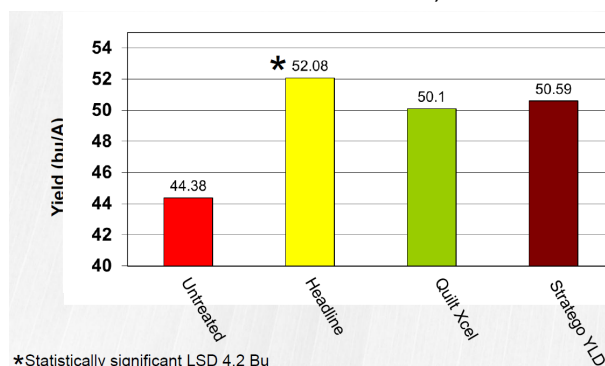
Do fungicides pay? This is a question every agronomist gets asked from time to time, especially when it comes to soybean production. Over the last couple of years, Central Valley Co-op has conducted numerous trials with a variety of fungicides and have seen positive results. If we want to take soybean yields to the next level, growers will need to incorporate a fungicide program into their plans.

We know that genetics play an important role in how well fungicides will respond on different corn varieties. The newer genetics in soybean varieties (RR2—Roundup Ready to Yield) are being bred for high yield environments, and like corn hybrids will likely have a greater response to a fungicide treatment. Keeping the soybean plant healthy through high stress periods like soybeans following soybeans or cool wet soils early, followed by hot and dry periods, like we had in 2011, will result in a response. Typically R3 (beginning pod set) is the best time to apply a fungicide to soybeans to get the best protection. Below are results from growers in 2011 from southern Minnesota where different fungicides were used, compared to none. Also, the University of Minnesota data is from Hollandale, MN and Iowa State University was at Nashua, IA.

Southern Minnesota Grower Data 2011

Fungicide 1	Sites	Std Dev	Average	Area
Quadris	53	11.35	57.93	4,579.42
Quilt Xcel	83	9.24	57.91	7,416.19
Headline	228	13.43	54.81	21,882.11
Stratego	87	8.54	54.19	7,860.26
Domark	9	7.65	54.17	931.64
Stratego YLD	124	9.21	53.84	12,425.04
None	852	14.78	51.69	76,116.56
				131,211.22

Warnke at Hollandale, MN



ISU at Nashua Ia.

