

2013 Liberty Link Soybean Variety Trials - Polk County

Cooperator: Mike Skaug
Nearest Town: Beltrami, MN
Planting Date: May 25, 2013
Harvest Dates: Oct. 10, 2013
Experimental Design: RCB with 3 replications

Purpose of Study:

In the past several years soybeans, sugarbeets and corn varieties in the region had the gene inserted so glyphosate can be used as the sole chemical to control a wide spectrum of weeds. The repeated use of glyphosate in consecutive years has led to kocia, lambsquarter and other weed species to start demonstrating herbicide resistance to glyphosate applications. Liberty herbicide is a different mode of action herbicide which is applied on genetic specific soybean varieties which can tolerate the application of Liberty herbicide to help control glyphosate resistant weeds. This trial with Liberty Link soybean varieties was conducted to determine if there were yield differences among varieties developed by seed companies which are tolerant to Liberty herbicide.

Results:

There were significant differences in soybean yield among varieties entered in the Liberty Link trials as can be seen in the table listed below.

LibertyLink Soybean Variety Trial

Company	Variety	Yield
Proseed Inc.	11-31 LL	37.3
Integra Seeds	30080 LL	37
Thunder Seed Inc.	5205NLL	40.4
Thunder Seed Inc.	5303NLL	38.1
Hefty Seed Company	H008L3	35.1
Hefty Seed Company	H03L3	31.9
NorthStar Genetics	NS 0095LL	37.2
NorthStar Genetics	NS 0328NLL	34.3
NorthStar Genetics	NS 0499NLL	35.6
NorthStar Genetics	NS 0567NLL	38.8
Proseed Inc.	PX009 LL	35.6
Proseed Inc.	PX05 LL	41.2
Proseed Inc.	PX07 LL	41.5
	Mean	37.2
	CV	6
	LSD 0.2	3.9