

## Manitoba Pulse & Soybean Growers On-Farm Network

### Soygreen for Iron Deficiency Chlorosis in Soybean

#### OBJECTIVE

The purpose of this project is to quantify the agronomic and economic impacts of using Soygreen in-furrow to minimize the effects of iron deficiency chlorosis in soybeans

#### BRIEF SUMMARY

- The grower will apply a minimum of 4 replicates of Soygreen in-furrow at planting comparing two different rates in alternating strips. An example is shown on the right
- The width of the strip must be at least as wide as the combine pass, preferably wider and the length should be at least 1000 feet
- There should be a 2-ft gap between strips, if possible
- Harvesting must ensure at least one “pure” combine pass from each treatment (not mixing yields from two different treatments)

Rep 1	Check
	Soygreen 2.5L/ac
	Soygreen 3.75L/ac
Rep 2	Soygreen 3.75L/ac
	Soygreen 2.5L/ac
	Check
Rep 3	Soygreen 3.75L/ac
	Check
	Soygreen 2.5L/ac
Rep 4	Soygreen 2.5L/ac
	Check
	Soygreen 3.75L/ac
Rep 5	Soygreen 3.75L/ac
	Soygreen 2.5L/ac
	Check
Rep 6	Check
	Soygreen 2.5L/ac
	Soygreen 3.75L/ac

#### FARMER REQUIREMENTS

- Accurately record where all treatments are applied, including the time of application, variety etc. and flag corners
- Areas containing waterways and headlands should be avoided. All other factors in the trial area must be managed the same (planting date, variety, crop protection)
- Accurately record where all treatments are applied using GPS mapping equipment
- Alert MPSG of expected harvest date and ensure all treatments are harvested on the same day with the rows into an MPSG weigh wagon
- If available, harvest with a calibrated yield monitor equipped with GPS
- Allow MPSG to use submitted and collected data for research, educational and informational purposes
- All participants must be a member in good standing with MPSG

#### MPSG AGREES TO:

- Be available during seeding and harvest to help apply and harvest treatments
- Take various data measurements to help explain results (plant stand counts, IDC ratings, rainfall, etc.)
- Collect aerial/NDVI images and provide to grower at no cost
- Provide a report analyzing the treatment differences
- Keep data in a confidential manner that can't be linked back to the individual producer by other parties
- Make this **minimum work for farmers**

#### BENEFITS TO GROWERS

- Test production practices while being involved in the research process
- Access to latest research which can be adapted to their farm
- Creating a crop production database for your local area

#### CONTACT

**If you are interested in participating in this project, contact Greg Bartley at:**  
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