

Manitoba Pulse & Soybean Growers On-Farm Network Soybean Inoculant Trial – Single vs Double

Objective

The purpose of this project is to quantify the agronomic and economic impacts with and without in-furrow inoculation in alternating strips across the field. This field needs to have a **previous history of at least 2 years of soybeans in Western Manitoba**

Brief Summary

- The farmer will seed 6 strips of their normal inoculation practice (seed applied plus in-furrow inoculant), alternating with 6 strips without in-furrow inoculant.
- 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
- The alternating strips can be planted by using GPS to plant every other strip with one treatment and then filling in skipped passes with second treatment if necessary
- Harvesting must ensure at least one “pure” combine pass from each treatment (not mixing yields from two different treatments)

Rep 1	Seed applied only
	Seed applied & in-furrow
Rep 2	Seed applied only
	Seed applied & in-furrow
Rep 3	Seed applied only
	Seed applied & in-furrow
Rep 4	Seed applied only
	Seed applied & in-furrow
Rep 5	Seed applied only
	Seed applied & in-furrow
Rep 6	Seed applied only
	Seed applied & in-furrow

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, etc.)
- If possible, accurately record where all treatments were 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 Requirements

- Be available at seeding and harvesting
- Data collection throughout the growing season
- Collect an aerial image of the trial and supply to the farmer at no cost
- Provide a report analyzing the treatment differences after harvest
- Keep data in a confidential manner that can't be linked back to the individual farmer
- Make this **minimum work for farmers.**

Benefits to the Farmer

- 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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