



**MANITOBA
CROP
ALLIANCE**

Manitoba Crop Alliance
SPRING WHEAT – EARLY PLANTING
Replicated Strip Trial Protocol

OBJECTIVE: The purpose of this project is to quantify the impact of seeding date on Spring Wheat – 4 sites.

BRIEF SUMMARY:

- The grower will plant a spring wheat variety on 2 separate seeding dates.
- The grower will plant the first strips of spring wheat when the soil temperature is in the range of 2 – 5°C and the second set of strips when the soil temperature reaches 5 – 10°C or his normal seeding time. An example is shown on the right.
- Strips should be full length of the field (minimum 1000 ft.) and width to allow for a full “pure” pass with combine header.
- The grower will manage their crop as per their normal best management practices.

Rep 1	Ultra Early
	Normal
Rep 2	Normal
	Ultra Early
Rep 3	Normal
	Ultra Early
Rep 4	Ultra Early
	Normal

GROWER REQUIREMENTS:

- Accurately record soil test results, variety, seeding date and rate, previous cropping history (rotation, fertilizer rates), tillage practices, fertilizer rates and application timing.
- Accurately record where all treatments are within the field.
- Note any significant weather events throughout the growing season, such as high winds, hail, or extreme precipitation events.
- Areas containing waterways and headlands should be avoided. All other factors in the trial area must be treated the same.
- Alert trial coordinator of expected harvest date and ensure all treatments are harvested the same day into a weigh wagon/calibrated grain cart, and that grain samples can be secured for seed moisture and seed quality analysis.
- Allow MCA to use data for research, educational and information purposes.
- ***Must be a member in good standing with the MCA.***

MCA AND PARTNERS AGREE TO:

- Be available during seeding and harvesting.
- Take various measurements, including stand establishment, height, lodging and crop maturity.
- Provide a report analyzing the statistical and economical treatment differences.
- Keep data in a confidential manner that cannot be linked back to the individual grower by other parties.

RESEARCH ON THE FARM COACHES:

- Project coordinator will work with local Research On The Farm coaches to collect field observations and harvest.
- Research On The Farm coaches may be local Manitoba Agriculture staff, retail or independent agronomists.

BENEFITS TO GROWERS:

- Access to the latest research that can be applied to their farm.
- Determine profitability of the practices.
- Learn accepted on-farm testing procedures.