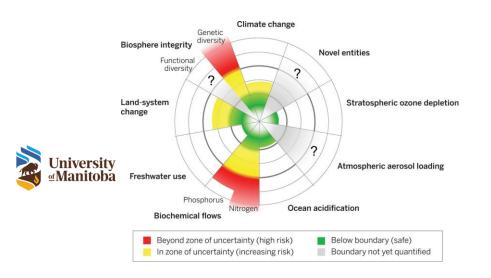
Natural Systems Agriculture Learning Centre Tour

Friday, August 16, 2024 Coffee starts 9:00 AM Tour begins 9:30 AM (sharp) to 12 noon



The Challenge: When ¹planetary boundaries are exceeded, like the areas in red above, life on our planet is threatened. Agriculture contributes to these problems but agriculture can also offer solutions to the challenges.

Our response: The goal of our program is to substitute natural processes for the current more destructive approaches. For over 30 years, we have been developing answers to questions such as: Can we grow economical crops with only half as much synthetic fertilizer, or none? Can a more diverse agricultural system allow the elimination of pesticides? Can farmers contribute to genetic conservation through participatory methods? How can farm diversity be used to increase soil health and allow soil to store more carbon? We invite you to visit us and join the conversation.

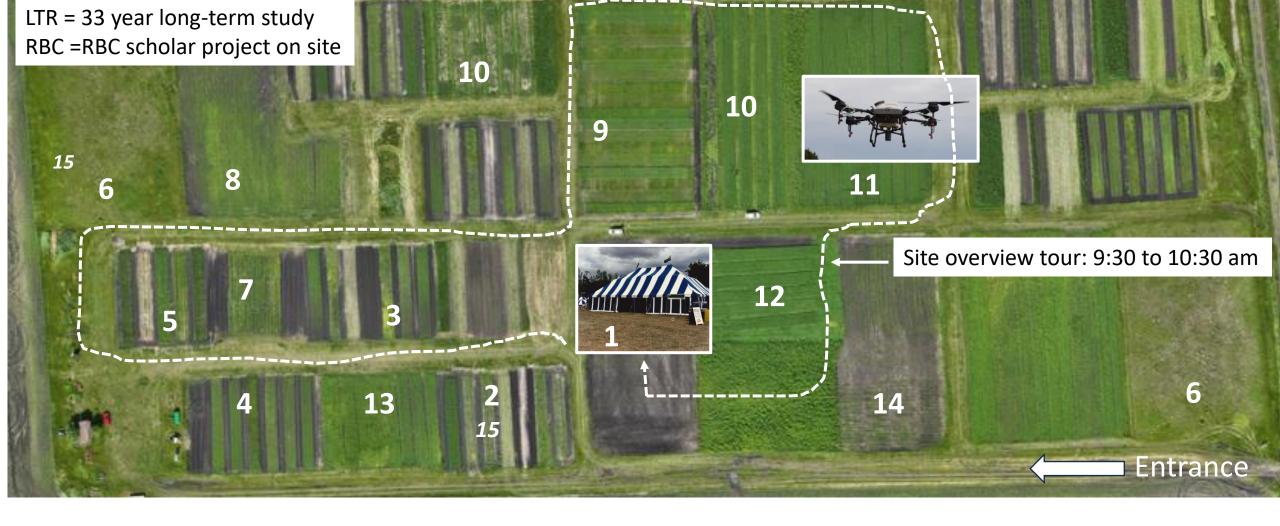


- 1. RBC Scholars displays at tent
- 4. LTR. Organic grain rotation
- 7. Wheat varieties in organic demo
- 10. Mulch transfer study
- 13. Cover crop management on N₂O (RBC)
- 2. LTR. Forage-grain conventional
- 5. LTR. Conventional no-till grain rotation
- 8. Evolutionary oat breeding
- 11. Thistle patch management
- 14. McVet organic wheat trial

- 3. LTR. Forage-grain organic
- 6. Native prairie benchmark plot (Planet boundaries)
- 9. Legume intensification study (intercrops/cover crops)
- 12. Farmer participatory wheat "varieties"
- 15. Water monitoring and modeling (RBC)

https://umanitoba.ca/agricultural-food-sciences/natural-systems-agriculture-research-group

- **Format:** An overview of all 14 experiments (9:30 to 10:30), then an opportunity to visit projects individually and speak with student and faculty researchers. Also, learn about tomorrow's leaders our group of **RBC scholars**.
- No registration required.
- Directions: At "Research station road", turn WEST off Hwy 75 and follow signs.
- · We will be outdoors so dress for the weather
- Tour will occur rain or shine
- · Washroom facilities available



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