

## Organic Crop Production Fields Days, 2019 University of Manitoba

The Natural Systems Agriculture research group has planned three field tours this summer. Join us **July 16<sup>th</sup> and 17<sup>th</sup>** to see our organic crop and soil management research. All are welcome!

**July 16<sup>th</sup>, Carman Research Station 6:30-8:30pm** *Directions: 1.8 km west of the junction of Hwy 3 and 13 at Carman. Big U of M sign – can't miss it.*

- Mechanical weed control in cereals, dry edible beans and green manures
- Intercropping. Cereals and oilseeds intercropped with pulses
- Warm- season cover crops and cover crop mixtures for grazing
- Farmer-bred wheat and oat, and check variety performance
- Organic soybean variety evaluation (with Univ of Guelph)
- *New* – Visit our “New generation no-till study” (with Ag Canada, Swift Current)

**July 17<sup>th</sup>, Glenlea Manitoba 1:00-3:30pm** *Directions: Turn west off Hwy 75 at “Research Station Road” 20 km south of Winnipeg. Then follow signs.*

- Visit and learn from the oldest organic crop production plots in Canada (28 years).
  - o Rehabilitating “run down” organic systems with a short-term forage phase
  - o Manure management in organic production
  - o Overcoming soil N deficiencies in organic production through use of better performing green manure cover crops
  - o The Soil Health Institute “Glenlea soil health” study – check the SHI newsletter <https://soilhealthinstitute.org/wp-content/uploads/2019/05/Soil-Health-News-2019-vol-4-num-2.pdf>
- Organic soybean variety evaluation (with Univ of Guelph)
- Organic oat variety evaluation (with Ag Canada, Brandon)

**July 17<sup>th</sup>, Libau, Manitoba 6:30-8:30pm** *Directions: 1 km east of highway 59 on Road 84N (40km north of Winnipeg). Site is on the north side of the road.*

- Recycling nutrients from cities back to the land for sustainable organic production
  - o Nutrients include anaerobically digested municipal food waste; insect processed food waste; and struvite (nutrients extracted from municipal waste water).
  - o Test crops include wheat, alfalfa, flax, barley, potato, onion and sweet corn.
- Transitioning low productivity forage land to high productivity organic grain production
- Organic wheat and oat variety tests (with Ag Canada Brandon)



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