

NEWSLETTER

Diversification Centres

RESEARCH | EXTENSION | ADOPTION

AUGUST 2022



UPCOMING EVENTS

August 3

Primary Agriculture
Branch Tour
CMCDC, Carberry
10:00 AM to 2:00 PM

August 9

CMCDC Annual Field
Day – Carberry, MB
Ag-innovations in
Potato Applied
Research & Crop
Diversification
10:00 AM to 2:00 PM

October 3

4-H Manitoba Tour
at CMCDC, Carberry
Focus areas include
ag-sustainability,
agroecology, food
security, and STEM
(science, technology,
engineering, math)
9:00 AM to 12:00 PM

In-person Extension and Field Days Return to Diversification Centres

After two consecutive years of conducting virtual extension events, Diversification Centres are in for a summer of in-person extension and field days this year. Many producers block off their calendars for the field days that give them a chance to share information, learn and socialize. It's not just the experts that producers want to hear from – they also want to tap into each other's expertise,

something that field days are perfect for. Annual field days are an indispensable tool for producers, researchers and industry engagement, allowing for region-specific conversations and demonstration of sustainable agricultural practices. Aside from the learning opportunities, these events will offer producers a chance to recapture the "community feel" they have missed during the pandemic.

Watershed Districts Benefit from 4R Nutrient Management Training

Canada-Manitoba Crop Diversification Centre (CMCDC) organized a training session on July 13 with a focus on 4R Nitrogen Management and Cover Cropping to provide technical information to the Watershed Districts Staff in collaboration with Manitoba Agriculture, and Manitoba Association of Watersheds (MAW). The purpose of this knowledge transfer event was to explore ways of responsible nutrient planning to protect water quality and to promote the sustainable use of nutrients for the benefit of producers and society. Experts from Manitoba Agriculture and ag-industry presented at the event.



CMCDC Demonstrates Herbicide Damage to Potatoes

In collaboration with Dr. Vikram Bisht, CMCDC organized an extension event for Manitoba's potato producers on July 14 to discuss the herbicide Injury Issues for potatoes especially, how to identify and ways to avoid damage to the potato crop. Herbicide injury to potatoes can lead to serious crop injury and losses. Incorrect application or non-target application due to drift are the main reasons that could injure the current potato crop or the seed tubers.

Herbicide injury can have a significant impact on a potato stand, its ability to transform sunlight into carbohydrates, and can result in reduced yield and marketability. Herbicide injury generally occurs through seed contamination, soil carryover, drift, spray equipment contamination or misapplication. It results in poor emergence, chlorosis, necrosis and distortion of growth in plants and tubers.

There are steps potato producers can take to protect their crops from the herbicide damage. Physical barriers can be employed via crop borders or buffer zones. Put out signs around potato fields indicating that the crop is sensitive to herbicide drift.



Experience Ag-innovations and BMPs in Potato Applied Research & Crop Diversification at CMCDC Annual Field Day on

August 9, 2022
10:00 AM to 2:00 PM

CMCDC is located at NE Corner of Hwy 1 & 5 in Carberry, MB

For follow-up questions, please contact:
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Glimpses from WADO Field Day

The weather was very cooperative at Westman Agricultural Diversification Organization (WADO) Field Day on July 20, 2022 held at Melita. Approximately 60 participants attended with 25 of them being farmers with a great mix of government, industry and educational backgrounds. A great speaker line-up provided several excellent talks including. First off, Percy Phillips from Prairie Quinoa discussed all about quinoa, then Scott Chalmers discussed successes and challenges pea intercrops with canola, barley and oat, in addition to mustard and camelina trials. Gordon Finlay from Agriculture & Agri-Food Canada discussed the dry bean nitrogen and phosphorous fertility trials while in contrast Kristen MacMillan from the University of Manitoba provided insight on the dry bean inoculant project and provided up-to-date research findings.

Lunch was a buffet of BBQ burgers, salads and veggie subs in River Park. In the afternoon Dennis Lange, Amir Farooq and Dane Froese from Manitoba Agriculture talked about agronomy, diseases, and pesticides on peas, soybeans and flax, respectively. Concluding the day, Bruce Brolley from Roquette discussed the organic and conventional pea variety trials in addition to nitrogen and phosphorus studies with pea at WADO discussing production practices, disease challenges, and market demand and supply.

Take home message to all participants was to:

- ✓ Follow proper rotations.
- ✓ Manage proper soil fertility (4Rs and economics) and seeding dates.
- ✓ Scout your fields first then use one to many decision tools available before making a pesticide application.

For follow-up questions, please contact:

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A Glance at PESAI Crop Tour

PESAI organized its Annual Crop Tour on July 26 in Arborg MB. More than 60 people attended the tour. The tour started with talk on the use of organic acids on Oats by Tim Dyck (Canadian Agronomics). Afterwards, Nirmal Hari (PESAI) shared his experience about the tile drainage at the site. He mentioned that tiles were quite effective this year in draining out excessive water from the plots. Sampson Boateng and Emeka Ndulue (both from U of M) also presented their research work on the tile drainage from PESAI site. Participants were interested to know more about tiles as 2022 is



emerging out to be a wet year in Interlake. Terry Buss (MB Agri) talked about soybean / peas cultivation in a wet year, where as Pam Iwanchysko (MB Agri) emphasized on the inclusion of annual forages in livestock production. Lastly, Scott Beaton (Organic farmer) shared his ideas about regenerative approach of agriculture.



Nirmal Hari thanked all crop tour participants and encouraged them to get more information from QR code. Manitoba Cooperator and Western Producer newspapers covered the event.

For more information, please scan QR code or contact:

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PCDF Hosts Parkland Producers



The Parkland Crop Diversification Foundation (PCDF) Annual Field Day, held on July 27, was a resounding success. About 40 people turned out, including local producers, business and commodity group representatives. The event began with a close look at forage production, with Elizabeth Nernberg (Manitoba Agriculture) highlighting the results of the 2021 MCVET Annual Forage trial, and showcasing the entries in the 2022 trial. Jeff Kostuik (Hemp Genetics International) spoke about developments in the market for fababeans and hemp. After a delicious lunch, complete with musical entertainment, tour participants engaged in a lively discussion around pulse production with Amir Farooq (Manitoba Agriculture), Laura Schmidt (Manitoba Pulse and Soybean Growers), Brodie Erb (University of Manitoba) and Baljeet Singh (Assiniboine Community College). Elmer Kaskiw and Alex Griffiths (Ducks Unlimited Canada) spoke about variety selection and nutrient management for winter wheat. Finally, James Frey discussed intercropping strategies for grain and forage production. The topics discussed at the event reflect PCDF's goal of providing timely, relevant information to both crop and livestock producers, while emphasizing the strong synergies that exist between both.

PCDF is thrilled to be joined by Adrien Huault, an intern who will be in Roblin until mid-September. An agriculture student at the Ecole supérieure d'Agricultures in Angers, France, Adrien is fascinated by integrated agricultural systems and regenerative agriculture. He is overseeing two cereal-clover intercrop projects at PCDF, and will prepare an in-depth French-language report as part of his internship requirements. PCDF is grateful for the enthusiasm and energy Adrien brings to the table.



For further information about PCDF research program, please contact James Frey (James.Frey@gov.mb.ca)