



WARC Update October 2018

The rainy, cool weather in September kept harvest from running as smoothly as we hoped. The month of September included its fair share of office days while we waited for the rain to stop and the plots to mature and dry down enough to harvest. The majority of rainy days were spent completing paperwork, analyzing data, organizing, and planning. However, despite the chill in the air, we managed to get almost all of our harvesting completed near the end of the month. We currently have only 5 trials left to harvest including quinoa, lentils, flax, and canola.

Fall jobs, such as seed cleaning and data entry and analysis are well underway at WARC. Staff are enjoying seeing the data tell the story of the trial. While the busy days of summer are dwindling down, a different kind of busy is beginning as the report-writing, data analysis, and project planning starts. The 2019 trial season is already being anticipated through potential project discussions, planning meetings, and conversations.

Weather

We have experienced lower than normal temperatures and high levels of precipitation, putting a halt to our harvest efforts on many days. The table below shows the long-term average temperatures compared to the 2018 growing season.

Table 1. Mean monthly temperature, precipitation and growing degree day accumulated from April to October 2018

Year	April	May	June	July	August	Sept.	Average
-----Temperature (°C) -----							
2018	-2.2	13.6	16.6	17.5	15.9	6.4	11.3
Long-term^z	3.8	10.8	14.8	17.3	16.3	11.2	12.4
2018	8.5	35.6	58	85.8	20.2	57.3	265.4
Long-term^z	24.4	38.9	69.7	69.4	48.7	26.5	277.6



Thank you to Farmers Edge for providing state of the art technology for our 2018 growing season including a weather station and weather recording software.



Events

Stay Tuned for Details about our 2019 Crop Opportunity Meeting in March of 2019!

Project Spotlight:

Production Management Strategies to Improve Field Pea Root Health

The objective of this trial was to demonstrate an effective management strategy to improve pea root health in aphanomyces affected soils. The trial contained 4 replicates of the 3 treatments.

Locations: Scott and Melfort

Treatments:

1. Conventional Management Strategy
 - Pre-seed glyphosate, starter fertilizer (N, P, K), liquid inoculant, no seed treatment, no fungicide application of Phostrol®
2. Enhanced Management Strategy
 - Pre-seed glyphosate and trifluralin; starter fertilizer (N, P, K), granular inoculant, Apron Maxx RTA and INTEGOTM Solo seed treatment, fungicide of Phostrol®
3. Intensive Management Strategy
 - Pre-seed glyphosate and trifluralin; starter fertilizer (N, P, K, S), granular inoculant, Apron Maxx RTA and INTEGOTM Solo seed treatment, fungicide of Phostrol®, foliar nutrient application (Rogue II).

Photos below show plant health, root health, and root length differences between treatments:



Stay tuned for more results from this trial and others in upcoming newsletters! Results will include yields, photos, and economic analyses.



We are looking for Summer Students for the 2019 Crop Season!

Responsibilities Include:

- Pre-seed calibrations, seed and fertilizer setup, site development, and soil testing
- Assisting in crop scouting, crop health management, and weed and disease identification
- Managing and operating technical equipment including tractors and sprayers
- Data collection throughout the growing season including: soil sampling, green-seeking, ratings (disease, lodging, maturity), and overall treatment applications
- Assisting in hosting extension events including Weed ID Workshop and Field Day



This job provides experience in all aspects of agriculture and allows you to work both independently and in a group setting.

We are looking for summer students to work from April 29, 2019 – August 30, 2019. The work is 90% outdoors. Full time hours are Monday to Friday, 8:00 a.m. to 4:30 p.m.



For more information or to apply, email resume to:

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For more information about WARC, visit our website or follow us on twitter!

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If you have questions, call our office anytime at (306) 247-2001 or email exec.admin@warc.ca.