

FORAGE FACTS



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DID YOU KNOW?

Grazing Cattle can
cover up to 13 km per
day.

Reflecting on a Rewarding Experience

As my time covering the maternity leave here at PCBFA comes to a close, I wanted to take a moment to reflect on this rewarding experience. It's been a pleasure working with this passionate team, and I'm grateful for the opportunity to contribute during this time.

The collaboration and support from everyone made this role so enjoyable, and I've learned so much along the way. I'm excited to pass the torch fully back to Liisa Jeffrey, who will continue the great work she started. I'm confident the team will continue to thrive, and I'm excited to check in some day to see how all of you are doing! Thank you to everyone who made this time so memorable...you know who you are!



Best wishes,

Mimi Vanderheide

Grant Gaschnitz Memorial Ag Knowledge Sponsorship Winner, 2024

Emma Heringer



Emma Heringer, from Teepee Creek, Alberta, is a dedicated young producer with six years of experience in cattle operations alongside her father. Inspired by Grant Gaschnitz, who championed the Peace Country agricultural community, Emma is currently pursuing an Animal Science Technology diploma at Lakeland College. With the support of the Gaschnitz family scholarship, she aims to enhance her skills in sustainable ranching and contribute to the region's agricultural success.

We want to wish a huge congratulations to Emily and we wish you great success on your future studies.

Brock Friedel



Brock Friedel has been involved in agriculture his whole life having grown up on a diversified livestock operation in northeast Alberta. Upon completion of his Bachelors of Science in Agriculture from the University of Saskatchewan, he moved up to the beautiful Peace Country to help manage the multigenerational farm located near Fairview. Here, they grow conventional grain crops, annual and perennial feed sources, raise registered Black Angus cattle and background commercial livestock.

Brock enjoys being able to appreciate the Lord's blessings each day as he works to apply science to everyday management decisions to promote production potential alongside economic sustainability. Brock has worked with PCBFA on several research projects in the area of livestock production, soil health and feed production.

Brock always appreciates the producer-minded approach they consistently bring forward.

We want to send a heartfelt thank-you to Brock for his unwavering support of PCBFA, and his undeniable passion for Agriculture in the Peace Region.

Highlights of our ongoing Crop Variety Trials of 2024 with the Saddle Hills County

Written by Blasius Azuhnwi, PhD

Overview:

New crop varieties are continually being introduced, giving producers more options to improve their yields and, consequently, their bottom lines. Producers are often curious to know how these varieties will perform under their local conditions and rely on variety tests carried out on small plots to get this information. By looking at indicators like crop yields, number of days to maturity, and resistance to lodging and disease, producers can pick the best varieties suited for their soils and climate.

Saddle Hills County, in collaboration with PCBFA is funding these trials from 2023 to 2025 to give their producers reliable and unbiased results to help their decision-making. This report highlights the results from the second year of these trials, testing barley, oats, wheat, field peas, and canola varieties. These were selected based on producers and industry input from widely available varieties in the Peace region of Alberta.

What We Did:

The trial was conducted on small plots of 8 m by 1.14 m at Hwy 725/TR 814 in Fourth Creek, Alberta. Weather data from the Savana AGCM weather station, less than 7 km from the trial site, revealed that 2024 received about 11" of moisture. Twelve barley, oats, wheat, canola, and field peas varieties were seeded for this variety trial. Site history, soil data, and cultural practices followed are outlined in Table 1.

Table 1. Site history and field operations

Parameter	Description
Site history and preparation	An old (more than 7 years) grass-dominated hayland field. Sprayed and disced in fall and harrowed in spring.
Soil information at 0-6" soil depth	pH = 6.0; Organic Matter = 6.6; Electrical Conductivity = 0.38dS/M; Nutrient analysis of soil gave N = 10 ppm, P = 16 ppm, K = 494 ppm and S = 6 ppm. Soil base saturation was Ca 49.8%, Mg 18.9%, Na 0.5%, K 8.1% and H 22.7%.
Seeding date, rate, and depth	May 10, 2024. Cereals treated with Quattro & pulses inoculated Barley and oats: 28 seeds/sq ft at 3/4" Wheat: 30 seeds/sq ft at 3/4" Canola: 6 seeds/sq ft at 1/2" Field peas: 8 seeds/sq ft at 1"
Fertility according to soil test result recommendations: Nutrient Recommendations for an: average yield of barley (76 bu/ac) average yield of oat (100 bu/ac) average yield of wheat (56 bu/ac) average yield of canola (40 bu/ac) average yield of field peas (50 bu/ac)	Barley: N, P, K, S [54,35,15, 30 lbs/ac Actual respectively] Oats: N, P, K, S [54, 50, 20, 30 lbs/ac Actual respectively] Wheat: N, P, K, S [50, 30, 15, 30 lbs/ac Actual respectively] Canola: N, P, K, S [51, 35, 20, 30 lbs/ac Actual respectively] Field peas: N, P, K, S [0,30,15, 30 lbs/ac Actual respectively]
Harvest date and method	August 21 for field pea (manually) Sept 12 for wheat and barley (plot combine harvester) Sept 18 for oats and canola (plot combine harvester)

What We've Found So Far:

The grain/seed yields and weights of varieties compared to the check (in red) in the next tables show yield advantages for some varieties compared to check varieties. Also, we did not observe lodging or the presence of any diseases.

Barley Varieties	AAC Synergy*	AAC Connect*	CDC Churchill*	CDC Copper*	CDC Austenson*	CDC Durango*	Sirish*	AB Wrangler*	CDC Renegade*	Canmore*	AB Advantage [#]	AB Tofield [#]
Yield (bu/ac)	66	65	59	68	65	64	74	56	79	72	75	76
Yield (% of check)	100	99	89	103	99	97	112	85	120	109	114	115
Bushel weight (lbs/bu)	43	47	48	47	49	45	52	47	48	51	48	52

*Two-row Barley; Six-row Barley

Oat Varieties	CS Camden	AC Morgan	Kalio	AAC Douglas	SO1	Arborg	CDC Endure	Kyron	Ore 3542M	AC Mustang	CDC Nasser	CDC Haymaker
Yield (bu/ac)	155	156	144	175	138	155	155	147	150	149	163	143
Yield (% of check)	100	101	93	113	89	100	100	95	98	96	105	93
Bushel weight (lbs/bu)	38	38	38	38	32	39	37	38	37	39	35	33

Wheat Varieties	AAC Brandon*	Tracker*	AAC Wheatland*	AAC Hodge*	Parata*	AAC Redstar*	AAC Redberry*	AAC Hockley*	AAC Viewfield*	CDC Go*	CS Accelerate [#]	AAC Penhold [#]
Yield (bu/ac)	41.5	45.1	45.4	46.8	35.7	42.9	36.9	41.5	41.2	30.7	45.4	41.4
Yield (% of check)	100	109	110	113	86	104	89	100	99	74	110	100
Bushel weight (lbs/bu)	64	62	64	63	62	62	62	64	64	61	64	62

*Canada Western Red Spring Wheat (CWRS); *Canada Prairie Red Spring Wheat

Canola Varieties	CS2600CR-T*	CS3000TF*	BY23-0943TF*	BY23-0041TF*	P511G*	Pf15G*	CS4000LL [#]	P505MSL [#]	P509L [#]	BY23-0827LL [#]	BY7204LL [#]	Cropland CP21L3C [#]	BY23-0246CF [§]	UA Gold [§]
Yield (bu/ac)	60.1	53.7	53.2	58.2	41.8	48.7	42.9	37.0	43.5	47.5	45.4	42.1	45.4	37.5
Yield (% of check)	100	89	89	97	70	81	100	86	102	111	106	98	100	83
Bushel weight (lbs/bu)	53	53	52	53	51	51	53	49	51	51	52	52	52	53

*Roundup Ready; *Liberty Link; *Clearfield; CS – Cantera Seeds; BY – Brett Young; P – Pioneer Seeds; UA – Univ of Alberta

Field Peas Varieties	CDC Limerick*	CDC Raezer*	CDC Saffron [#]	AAC Carver [#]	CDC Canary [#]	CDC Profit [#]	CDC Meadow [#]	AAC Chrome [#]	CDC Ardill [#]	AAC Peace River [#]	CDC Forest [#]	DL Delicious [§]
Yield (bu/ac)	32	35	43	39	42	45	39	42	42	41	44	18
Yield (% of check)	100	109	134	122	131	141	117	140	131	128	138	56
Bushel weight (lbs/bu)	66	65	67	66	67	67	50	67	67	50	67	64

*Green Pea; *Yellow Pea; [§]Forage Pea

What's Next:

These trials will continue in 2025 to confirm the above yield advantages.

A final report will identify varieties with high and stable yields over the three years the trials have lasted.

Questions?

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Thank You to the
Saddle Hills County
for their ongoing
support!



Northern Women in Ag Conference is BACK for 2025!



PRESENTS

Northern Women In Agriculture Conference

EMPOWERING WOMEN IN AGRICULTURE THROUGH
EDUCATION AND SUPPORT

February 20th-21st, 2025

Limited Space,
First Come, First
Serve!



JOSEPHINE BARTLETT

ROOTS IN SWEDEN,
HARVESTS IN CANADA:
MY LOVE FOR AGRICULTURE



AMANDA RAE

ADVOCATING FOR
MENTAL HEALTH IN
AGRICULTURE



DR. CHRISTA HARDER

THRIVING THROUGH THE
CHALLENGES OF RANCHING,
PARENTING, AND A BUSY
CAREER



BLUESETTE CAMPBELL

FINDING YOUR WAY IN
AG

FAIRVIEW, AB

DUNVEGAN INN & SUITES

THURSDAY - 20TH

1:00 PM - 8:00 PM

FRIDAY - 21ST

9:00 AM - 4:00 PM

TICKET SALES START DEC. 1

A BLOCK OF ROOMS ARE AVAILABLE AT A DISCOUNTED RATE IF BOOKED BEFORE FEBRUARY 1ST.

ACTIVITIES INCLUDE:

WORKSHOP: LADIES' CALVING CLINIC AT
NORTHWESTERN POLYTECHNIC

WORKSHOP: MARKETING YOUR FARM ON SOCIAL
MEDIA

FRIDAY - SNACKS & SUPPER

SATURDAY - SNACKS & LUNCH

FRIDAY - FEMALE-BASED VENDOR BOOTHS
DOOR PRIZES & GOODIE BAGS FOR ALL ATTENDEES



Perfect Christmas
Gift for the Woman
in Ag in your life!

Event	Date & Time	Location
Northern Women in Agriculture Ticket Sales OPEN	December 1, 2024	Dunvegan Inn & Suites Fairview, AB
Peace Agronomy Update	January 31, 2025	Dunvegan Inn & Suites Fairview, AB
North Peace Beef Cattle Day	February 5, 2025	Location TBA
Northern Women in Ag Conference	February 20 & 21, 2025	Dunvegan Inn & Suites Fairview, AB

Want to know more about any of these upcoming events?
Contact us at info@pcbfa.ca, or give us a call at **780-834-7256!**



Thank You to Our Municipal Partners!



Member Information



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Peace Country Beef
& Forage Association



peacecountrybeef.ca

Member Feed Testing Service

PCBFA Members receive **2 free basic feed tests** with their membership.

All feed tests are sent to Central Testing Labs in Winnipeg. Nutrients and minerals are tested by wet chemistry.

Nitrate, Mold, and Mycotoxin tests can be added and will be invoiced at lab cost.

Feed Test Pricing:
Feed Tests for Members (after 2 free)
OR Non-Members Billed at Lab Cost

Rush Shipping \$50

Hay Probe Deposit \$200

Feed Test Drop-Off Sites: Fairview Research Farm, County of Grande Prairie's Clairmont Office, MD of Greenview's Valleyview Office, Saddle Hills County Office, Big Lakes County Office.

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