



REGULAR AGRICULTURE SERVICE BOARD AGENDA

Wednesday, November 27, 2019

9:30 AM

Council Chambers
Administration Building

#1	CALL TO ORDER	
#2	ADOPTION OF AGENDA	1
#3	MINUTES	
	3.1 Regular Agriculture Service Board Meeting minutes held Monday October 30, 2019 to be adopted.	3
	3.2 Business Arising from the Minutes	
#4	DELEGATION	
#5	BUSINESS	
	5.1 Agricultural Disaster Declaration	7
	5.2 Staff Report	9
#8	MEMBERS REPORTS	
	8.1 Chairman Al Perkins	
	8.2 Vice-Chairman Warren Wohlgemuth	
	8.3 Reeve Dale Smith	
	8.4 Councillor Bill Smith	
	8.5 Member Richard Brochu	
	8.6 Member Stephen Lewis	
	8.7 Member Larry Smith	
#9	CORRESPONDENCE	
	9.1 Canadian Agriculture Hall of Fame	
	9.2 Carbon affecting Grain Drying	
	9.3 CWWR – Who we are Introduction	
	9.4 CWWR Business Group	
	9.5 CWWR Core Wood Recycling	
	9.6 Federal Government must be prepared for CN rail strikes	
	9.7 UCP Provincial budget cuts	
	9.8 Manitoba farmer invites Trudeau	
	9.9 Millions of acres of Canola freeze	

- 9.10 Moisture Situation as of Nov 12, 2019
- 9.11 Team Alberta urges aggressive action on BRM Programs
- 9.12 Crop Conditions Nov 05, 2019
- 9.13 Crop Conditions Nov 12, 2019
- 9.14 Farmers to help solve the climate crisis
- 9.15 New tool for Canola growers

#11 ADJOURNMENT

Minutes of a
REGULAR AGRICULTURAL SERVICE BOARD
MUNICIPAL DISTRICT OF GREENVIEW NO. 16
Greenview Administration Building,
Valleyview, Alberta, on Wednesday, October 30, 2019

1: Chairman Al Perkins called the meeting to order at 9:33 a.m.
CALL TO ORDER

PRESENT	A.S.B. Member – Chair	Allen Perkins
	A.S.B. Member – Councillor	Bill Smith
	A.S.B. Member – Reeve	Dale Smith
	A.S.B. Member	Richard Brochu
	A.S.B. Member	Larry Smith
	A.S.B. Member	Stephen Lewis

ATTENDING	Manager, Agriculture Services	Quentin Bochar
	Asst. Manager, Agriculture Services	Dave Berry
	Agriculture Supervisor Trainee/Recording Secretary	Kristin King
	Manager, Marketing & Communications	Stacey Sevilla

ABSENT	A.S.B. Member - Vice Chair	Warren Wohlgemuth
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#2: MOTION: 19.10.37. Moved by: REEVE DALE SMITH
AGENDA That the Agricultural Service Board adopt the October 30, 2019 Regular Agricultural Service Board Meeting Agenda as presented.
CARRIED

#3.1 REGULAR AGRICULTURAL SERVICE BOARD MEETING MINUTES MOTION: 19.10.38. Moved by: COUNCILLOR BILL SMITH
That the Agricultural Service Board adopt the minutes of the Regular Agricultural Service Board Meeting held on Wednesday, September 25, 2019 with the following changes;

- 7.1 Member Larry Smith, remove 'Attended field day in Fairview' and add 'Nothing to report'.
- 7.1 Member Stephen Lewis, remove 'Nothing to report' and add 'Attended Field Day in Fairview'.

CARRIED

#3.2 BUSINESS ARISING FROM MINUTES **3.2 BUSINESS ARISING FROM MINUTES:**

Requests Administration to invite the Regional Supervisor with Alberta Fish and Wildlife to attend an upcoming Agricultural Service Board meeting.

#4.0
DELEGATION

4.0 DELEGATIONS

There were no delegations present.

#5
BUSINESS

5.0 BUSINESS

5.1 PEACE COUNTRY BEEF CONGRESS – GRANT REQUEST

PCBC GRANT
REQUEST

MOTION: 19.10.39. Moved by: MEMBER STEPHEN LEWIS

That the Agricultural Service Board approve a grant in the amount of \$5,000 for Gold Sponsorship to support the 21st Annual Peace Country Beef Congress, with funds to come from the 2019 Agricultural Operational Budget.

CARRIED

5.2 ALBERTA GOAT ASSOCIATION CONFERENCE – SPONSORSHIP REQUEST

AGA SPONSORSHIP
REQUEST

MOTION: 19.10.40. Moved by: MEMBER RICHARD BROCHU

That the Agricultural Service Board approve a Gold Sponsorship in the amount of \$500 to support the “Eighth Annual AGA (Alberta Goat Association) 2019 Conference”, with funds to come from the 2019 Agriculture Department Operational Budget.

CARRIED

5.3 AGRICULTURE SERVICES DRAFT OPERATING BUDGET 2020-2022

AGRICULTURE
SERVICES DRAFT
BUDGET 2020-2022

MOTION: 19.10.41. Moved by: REEVE DALE SMITH

That the Agricultural Service Board accept the Agriculture Services Draft Operating Budget 2020-2022.

CARRIED

#6
MANAGERS' & ASB
MEMBERS'
BUSINESS &
REPORTS

6.1 MANAGERS' REPORT & ASB MEMBERS' BUSINESS & REPORTS

BEAVER/FLOODING
POLICY

MOTION: 19.10.42. Moved by: COUNCILLOR BILL SMITH

That the Agricultural Service Board recommend that the Manager, Agriculture Services create a Policy regarding beaver/flooding issues.

CARRIED

Member Richard Brochu vacated the meeting at 11:01 am

Member Richard Brochu re-entered the meeting at 11:03 am

**MANAGER AND
ASB MEMBERS
REPORTS**

MOTION: 19.10.43. Moved by: **MEMBER RICHARD BROCHU**

That the Agricultural Service Board accept the Managers' report and ASB Members reports as information.

CARRIED

MEMBER STEPHEN LEWIS updated the Agriculture Service Board on his recent activities, which Include;

- Attended East Peace Beef Cattle Evening

MEMBER RICHARD BROCHU updated the Agriculture Service Board on his recent activities, which Include;

- Attended East Peace Beef Cattle Evening
- Attended the Regional Agricultural Service Board Conference

MEMBER LARRY SMITH updated the Agriculture Service Board on his recent activities, which Include;

- Nothing to report

REEVE DALE SMITH updated the Agriculture Service Board on his recent activities, which Include;

- Attended East Peace Beef Cattle Evening
- Attended The Alberta Beef Producers Meeting at Triangle Hall
- Attended the Regional Agricultural Service Board Conference

**DEAD LIVESTOCK
DISPOSAL**

MOTION: 19.10.44. Moved by: **REEVE DALE SMITH**

The Agriculture Service Board lift Motion 17.09.47 regarding Dead livestock disposal.

CARRIED

COUNCILLOR BILL SMITH updated the Agriculture Service Board on his recent activities, which Include;

- Meeting with Minister Nixon of Alberta Environment and Parks.

CHAIRMAN AL PERKINS updated the Agriculture Service Board on his recent activities, which Include;

- Attended the Regional Agriculture Service Board Meeting

**LETTER OF
SUPPORT**

MOTION: 19.10.45. Moved by: **MEMBER STEPHEN LEWIS**

That the Agricultural Service Board send a letter of support be sent to the Minister of Agriculture and Forestry in regards to Dr. Stephen Strelkov with the University of Alberta to continue their work on pathotyping clubroot samples.

CARRIED

#7
CORRESPONDENCE

7.0 CORRESPONDENCE

ASB
CORRESPONDENCE

MOTION: 19.10.46. Moved by: MEMBER LARRY SMITH
That the Agricultural Service Board accept the correspondence as presented.
CARRIED

#8 CLOSED
MEETING

8.0 CLOSED SESSION

#9
ADJOURNMENT

9.0 ADJOURNMENT

ADJOURNMENT

MOTION: 19.10.47. Moved by: MEMBER RICHARD BROCHU
That this Agricultural Service Board meeting adjourn at 11:59 p.m.
CARRIED

MANAGER, AGRICULTURE SERVICES

ASB CHAIRMAN



SUBJECT: **Agricultural Disaster Area Declaration**

SUBMISSION TO: AGRICULTURAL SERVICES BOARD

MEETING DATE: November 27, 2019

DEPARTMENT: AGRICULTURE

STRATEGIC PLAN: Quality of Life

REVIEWED AND APPROVED FOR SUBMISSION

CAO: MANAGER: QFB

GM: PRESENTER: QFB

RELEVANT LEGISLATION:

Provincial (cite) – N/A

Council Bylaw/Policy (cite) – N/A

RECOMMENDED ACTION:

MOTION: That the Agricultural Service Board (ASB) recommend to Council to declare Greenview as an Agricultural Disaster Area for 2019.

BACKGROUND/PROPOSAL:

On August 7, 2019 Lac Ste. Anne County declared an Agricultural Disaster. On October 22, 2019 Leduc County also declared an Agricultural Disaster citing the current conditions as justification for bringing awareness to the plight of the producers in the area.

The week of November 4-8 the following Peace Region Municipalities had declared an Agricultural Disaster: County of Grande Prairie, MD Spirit River, Saddle Hills County and Birch Hills County.

All of the municipalities that have declared an agricultural disaster have done so on the premise that they are showing support for the producers in their jurisdictions. Concern is not only with the economic losses for 2019 but also into 2020. There will be significant need for investment to rehabilitate the land before seeding another crop due to abundance of standing moisture and deep rutted lands. In addition to difficulty harvest crops and having crops of lower quality and yield, livestock producers in Greenview experienced difficulty in carrying out haying operations resulting in poorer quality feed and even no feed at all for the coming winter.

BENEFITS OF THE RECOMMENDED ACTION:

1. The benefit of the ASB accepting the recommended motion is to advise/recommend to Council to Declare an Agricultural Disaster in Greenview.

DISADVANTAGES OF THE RECOMMENDED ACTION:

1. There are no perceived disadvantages to the recommended motion.

ALTERNATIVES CONSIDERED:

Alternative #1: The ASB has the alternative not to accept this motion, however Administration does not recommend this action because then the ASB will be perceived as not supporting the local producers in Greenview.

FINANCIAL IMPLICATION:

There are no costs associated with this motion.

Direct Costs: N/A

Ongoing / Future Costs: N/A

STAFFING IMPLICATION:

There are no staffing implications to the recommended motion.

PUBLIC ENGAGEMENT LEVEL:

Greenview has adopted the IAP2 Framework for public consultation.

Using that framework outline the proposed level of public engagement associated with the recommended action.

INCREASING LEVEL OF PUBLIC IMPACT

Inform

PUBLIC PARTICIPATION GOAL

Inform - To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.

PROMISE TO THE PUBLIC

Inform - We will keep you informed.

FOLLOW UP ACTIONS:

Once the ASB makes a decision, if it is positive the RFD will be forwarded to Council for their approval at the next Regular Scheduled Council Meeting.

ATTACHMENT(S):

- N/A

**M.D. of Greenview Agricultural Services
Department Activity Report**

For the Period: Oct 31, 2019 – Nov 20, 2019

**ENQUIRIES – Manager, Asst. Manager, Administrative Assistant and Ag. Supervisor
Trainee, Beautification Coordinator**

Weeds	5
Pests	25
Trees	3
Workshops	40
Wetlands	19
Rentals	50
Equipment Purchasing	5
Extension	16
Employment	2
VSI	3
Beautification	3
Miscellaneous	30
TOTAL ENQUIRIES	201

MEETINGS / CONFERENCES / TRAINING

Manager Agriculture Services

- Nov 6, 2019 – PRAAAF Regional Meeting - DeBolt
- Nov 7, 2019 – Manager Training - VV
- Nov 12-15, 2019 – Vacation Leave
- Nov 19, 2019 – Meeting with AB Environment and Parks - Valleyview
- Nov 20, 2019 – Clubroot Workshop – DeBolt
- Nov 27, 2019 – Community Services Meeting - VV
- Nov 27, 2019 – ASB meeting - VV

Asst. Manager Agriculture Services

- Oct 31, 2019 – Exit interviews for seasonal staff - VV
- Nov 1, 2019 – Breakfast With the Guys- VV
- Nov 6, 2019 – Supervisor training - VV
- Nov 27, 2019 – Community Services Meeting - VV
- Nov 27, 2019 – ASB meeting - VV

Agriculture Supervisor Trainee Agriculture Services

- Nov 4, 2019 - Meeting with BLC Ag Fieldman and AB AG. Pathologist
- Nov 6, 2019 – Supervisor Training - Valleyview
- Nov 15, 2019 – Soil Health Workshop – High Prairie
- Nov 20, 2019 – Clubroot Workshop – DeBolt
- Nov 21, 2019 – Environmental Farm Plan and CAP Grant workshop - Nampa
- Nov 27, 2019 – ASB Meeting - VV

GC Beautification Coordinator Agriculture Services

- N/A

Wetlands Coordinator Agriculture Services

- Oct 28-31, 2019 – Working in and around water course – Nisku
- Nov 1, 2019 – Wapiti Watershed Protection Plan Meeting – Grande Prairie
- Nov 6, 2019 – PRAAAF Regional Meeting – DeBolt
- Nov 15, 2019 – Get the Dirt on Soil Workshop – High Prairie
- Nov 19, 2019 – Meeting with AB Environment and Parks - Valleyview
- Nov 20, 2019 – Clubroot Workshop – DeBolt
- Nov 21, 2019 – Environmental Farm Plan and CAP Grant Workshop – Nampa

STAFFING

All of the seasonal staff in Valleyview and Grovedale are done for the season as of Oct 31, 2019. In Grande Cache two of the seasonal staff were extended until the end of December to help the beautification Coordinator get work projects completed. The Ag. Dept. has been fortunate in that we have been able to borrow some of the seasonal capacity from Recreation Services to help out the Problem Wildlife Officer in catching up from the earlier part of the season when the PWO was off on leave.

RESOURCES, EQUIPMENT, AND FACILITIES

The projected move in time for the Ag. Dept. is around mid-December. Gravel was brought in and was spread around to help get rid of some of the mud that is in the yard area. Vehicles and some of the rental equipment has been moved over to the yard site.

BUDGET

The draft Capital and Operational Budgets have been presented to Council for their consideration.

EXTENSION EVENTS

Currently planning a number of events for 2020 and will keep the ASB updated as dates and locations are finalized.

SARDA and PCBFA have been conducting a number of Extension events in partnership with Ag Services and Ag Services has been posting the information to our web page, Facebook, and Twitter accounts.

Please see following list of events (year):

Date	Workshop	Location
April 9, 2019	Grande Cache Coops/Enterprises invasive species workshop	Grande Cache, AB
April 10, 2019	Grand Cache Hamlet Invasive Species and Control Methods Workshop	Grande Cache, AB
April 11, 2019	Buttecup/Burdock Incentive Program Info Session	Valleyview, AB
June 21, 2019	AAFC 66 th Annual Beekeeper's Field day	Beaverlodge, AB
June 26, 2019	CanolaPalooza	Lacombe, AB
July 22-23, 2019	PCBFA Grazing School with Dr. Allen Williams	Grimshaw, AB
July 25, 2019	SARDA Summer Field School	Fahler, AB
August 1, 2019	PCBFA 5 th Annual Field Day at Research Farm	Fairview, AB
August 6, 2019	PCBFA Morning Coffee and Plot Tour	High Prairie, AB
August 8, 2019	PCBFA Wheat Stalks	Teepee Creek, AB
August 23, 2019	Cattle Market Outlook Evening	Rycroft, AB
Oct 16, 2019	East Peace Beef Cattle Evening	Valleyview, AB
Oct 22, 2019	Bioswales: Great for the water system, great for the community	Clairmont, AB
Oct 28, 2019	Opportunities in Fruit Workshop	Lacombe, AB
Oct 29, 2019	Opportunities in Vegetables Workshop	Lacombe, AB
Nov 8, 2019	Opportunities in Greenhouses Workshop	Lacombe, AB
Nov 20, 2019	Clubroot Work Shop	DeBolt, AB
Nov 20, 2019	Next Level Farming	Fahler, AB
Nov 21, 2019	Clubroot Meeting	Triangle Community Hall
Nov 26, 2019	Powering Your Profits Canola	Manning, AB

Nov 27, 2019	Powering Your Profits Canola	High Prairie, AB
Nov 26-27, 2019	Precision Agriculture Conference	Calgary, AB
Nov 28, 2019	Powering Your Profits Canola	Grande Prairie, AB
Dec 4, 2019	Farm and Ranch Safety Management Workshop	Falher, AB
Dec 10, 2019	Septic Sense	DeBolt, AB
Dec 11, 2019	Working Wells	DeBolt, AB
Dec 11, 2019	Farming Smarter Conference	Lethbridge, AB
Dec 10-12, 2019	Western Canada Conference on Soil Health and Grazing	Edmonton, AB
Jan 7-8, 2019	Agronomy Update	Red Deer, AB
Jan 7-9, 2020	Banff Pork Show	Banff, AB
Jan 21-24, 2020	ASB Provincial Conference	Banff, AB
Jan 28-30, 2020	FarmTech	Edmonton, AB
March 4-6, 2020	AB Beef Industry Conference	Red Deer, AB

PROGRAMS

➤ VETERINARY SERVICES INCORPORATED

One (1) new card has been issued.

PEST AND NUISANCE CONTROL

To date, 49 wolves have been presented for payment. Total 2019 incentive expenditures: \$14,400.00

YEAR	WOLVES	AMOUNT
2018	90	\$ 27,000.00
2019	49	\$ 14,700.00
Total	134	\$ 41,700.00

WOLF PREDATION MANAGEMENT PROGRAM

There has been 0 new requests for assistance with verified wolf predation. There has been zero wolves removed.

Problem Wildlife Officer has been requested to come out 0 times and visit some farm/ranch operations, and has provided advice and information to the ratepayers. Have also had discussions with another 1 individual regarding wolves.

COYOTE PREDATION MANAGEMENT PROGRAM

There has been 0 new requests for assistance with verified coyote predation. There has been 0 coyotes removed, and (0) compound 1080 tablets were issued as per the Form 7.

Problem Wildlife Officer has been requested to come out 0 times and visit some farm/ranch operations, and has provided advice and information to the ratepayers. Have also had discussions with another 5 individual regarding coyotes.

OTHER PREDATORS MANAGEMENT PROGRAM

There have been 0 new requests for assistance with other predator problems (bears). There has been 0 pests removed. Have also had discussions with another 0 individual regarding bears.

OTHER PREDATORS MANAGEMENT PROGRAM

There have been 0 new requests for assistance with other predator problems (cougars). There has been 0 pests removed. Have also had discussions with another 0 individuals regarding cougars.

OTHER PROBLEM WILDLIFE MANAGEMENT PROGRAM

There have been 0 new requests for assistance with other problem wildlife species problems (Skunks). There has been 0 pests removed and 0 traps rented. Have also had discussions with another 0 individuals regarding skunks.

There have been 0 new requests for assistance with other problem wildlife species problems (Ravens). There has been 0 pests removed.

There have been 0 new requests for assistance with other problem wildlife species problems (Magpies). There has been 0 pests removed. Traps are available for sale.

INFRASTRUCTURE PROTECTION AND AGRICULTURE FLOODING PREVENTION PROGRAM

There has been 42 new requests (6 rate payers, 16 infrastructure) for assistance with beaver caused flooding issues (infrastructure) including multiple days to open up culverts and remove dams. There has been 8 locations that have had the use of explosives to open up dams. There has been 153 beavers removed to date.

WILD BOAR BOUNTY

There have been 0 sets of Wild Boar ears turned in. Total 2019 incentive expenditures \$0.00.

Education Opportunities

Currently planning and scheduling workshops and seminars that deal with wildlife and pests.

➤ **RENTAL EQUIPMENT**

Rentals is moderately busy at this time of year dependent on the weather, there have been 31 pieces of Equipment rented out since the last ASB meeting. The post pounder from VV and the grain Vacuum have been in for repairs.

➤ **VEGETATION MANAGEMENT**

ROADSIDE VEGETATION MANAGEMENT

The weather has had quite an effect on vegetation Management activities. Even though the weather has been less than ideal the Valleyview district was completed and the Grovedale district was completed.

The program has sprayed approximately 1877 Km (85% as of August Oct 23, 2019) of Greenview roads. The areas to be sprayed this year are Wards 3, 4, 5, and 8.

The program has sprayed approximately 0 Km of shoulder on Greenview roads for grass control, in a cooperative venture with the Operations Department.

SPOT SPRAYING / ATV / UTV/TRACTOR

The program has sprayed approximately 42 Ha requiring approximately 84 hours of spray time (includes: landfill, transfer station sites, private land spraying, fence line program, Grande Cache Coops/Enterprises. Etc.).

BRUSH SPRAYING

The program has sprayed approximately 209 Ha of brush. Have received new maps from Operations and will continue spraying brush.

HAMLET SPRAYING

The program has sprayed approximately 40 Ha of Parks/Alleyways/Open Spaces.

PESTICIDE CONTAINER STORAGE

Containers continue to be collected. The recycled jugs were shredded on August 13, 2019, which is quite early for the year.

FENCELINE AND PRIVATE LAND SPRAY PROGRAMS

10 agreements have been signed to date for 2019.

SPRAY EXEMPTION AGREEMENTS

16 agreements have been received so far Deadline of April 26, 2019.

BUTTERCUP/BURDOCK INCENTIVE PROGRAM

4 agreements have been signed to date for 2019.

WEED CONTROL

White Zone

#	Re-Inspections	Weeds Present	Personal Contact	Phone Calls	Weed Alerts	Weed Warnings	Notices	Enforce
1911	201	976	295	163	314	1	0	0

Greenzone

#	Re-Inspections	Weeds Present	Personal Contact	Phone Calls	Weed Alerts	Weed Warnings	Notices	Enforce
2251	56	607	41	104	470	1	27	0

Hamlets

#	Re-Inspections	Weeds Present	Personal Contact	Phone Calls	Weed Alerts	Weed Warnings	Notices	Enforce
1183	75	331	205	73	15	7	0	0

➤ AGRICULTURAL PESTS

Greenview will continue to conduct enhanced monitoring for Clubroot, now that it has been confirmed within the municipal boundaries. An electronic map for 2017 and 2018 and 2019 has been created showing the affected parcels. Additionally 50 comprehensive samples were sent to the lab for testing to confirm the severity of the infestations. All the samples were also sent to Dr. Strelkov's laboratory to determine the pathotype of the club root galls.

Pathotype results:

2017 - 3H

2018 - 3H

2019 – Still awaiting results

# Inspected	Suspect	Confirmed	Letter to Adjacent LandOwners	Phone Calls
363	24	17	130	15

SEED CLEANING PLANT

- No changes

GC BEAUTIFICATION PROGRAM

- Flowers/Trees
 - Pruning lower limbs of trees throughout parks and municipal properties for better visibility and maintenance purposes.
 - Clean up plant material for the winter (removing all annuals & cleaning up perennials) throughout all parks and the downtown areas.
- Mowing
 - Due to unseasonable warm weather a couple areas of the cemetery were mowed
 - Monitoring our priority 1 list and cut on an "as needed" basis
 - Priority 1 is the park areas and ball diamond playing areas of the hamlet

- Priority 2 is the boulevards along the streets/highways, and municipal buildings
 - Priority 3 is the alleyways, ditches and greenspaces (MR's).
- Vegetation Control
 - N/A.
- Miscellaneous
 - Repairing turf damage to municipal areas around the hamlet.
 - Using rented lift to hang lights in trees and replace fallen flags from the lamp posts.
- Christmas Decorations for Hamlet Area
 - The date for Lighting of Rocky the Ram Park is Dec 5, 2019 at 1730 hrs.
 - Refinished the damaged Christmas decorations and replaced broken strands of Christmas lights.
 - Set up the lights and decoration for the lighting up Rocky the Ram event.
 -
- Snow Removal
 - Regular snow removal throughout parks and salting if needed.
 - Successfully plugged drain and started the flooding process for the outdoor rink (in collaboration with the Operations Dept.)
 - Warm weather has slowed down this process but will continue when it cools down again.

WETLANDS/ALUS/WATERSHEDS

- Met with Landowner regarding pond water leveler demonstration site.
- Investigating sources of and applying for grants for the wetlands program.
- Attending Watershed group meetings.
- Researching potential wetlands/watershed projects for Greenview.
- Working with AB Environment and Parks regarding water/wetland easements (ECA) in Greenview.
- Planning and coordinating upcoming wetlands events – i.e. Pond Water Leveler Demonstration, Green Acreages, etc.

Lo	Equipment	Equipment Number	S/N	Total Day	Cost/ Day	Total Charges
VV	1000 Earth Mover	SOIL3100		16	\$	150.00 \$ 3,200.00
CC	1000 Earth Mover	SOIL3101		1	\$	200.00 \$ 200.00
GD	900 Earth Mover	SOIL3070		0	\$	150.00 \$ -
GD	425 Earth Mover	SOIL3072		0	\$	100.00 \$ -
VV	12' Pull-Type Blade	SOIL3099	12502	2	\$	50.00 \$ 100.00
VV	Vee-Ditcher	VDIT3210	12502	0	\$	50.00 \$ -
VV	Field Sprayer	ASB0004/SPRY3123	1400151	5	\$	50.00 \$ 250.00
CC	Field Sprayer	SPRY3076		5	\$	50.00 \$ 250.00
GD	Field Sprayer	SPRY3121		3	\$	50.00 \$ 150.00
VV	Boomless Sprayer - 300 Gal	SPRY3124	33262	2	\$	50.00 \$ 100.00
VV	Estate Sprayer - Pull Type	SPRY3007/3127/3128		5	\$	20.00 \$ 100.00
CC	Estate Sprayer - Pull Type	SPRY3008			\$	20.00 \$ -
GD	Estate Sprayer - Pull Type	SPRY3206		0	\$	20.00 \$ -
VV	Estate Sprayer - 3 pt hitch	SPRY3129	312101212	1	\$	20.00 \$ 20.00
VV	Water Tank and Trailer	TRL18		4	\$	25.00 \$ 100.00
GD	Water Tank and Trailer	TRL8		3	\$	25.00 \$ 75.00
VV	Quad Wick Applicator	SPRY3211		0	\$	10.00 \$ -
CC	Quad Wick Applicator	SPRY3212		0	\$	10.00 \$ -
GD	Quad Wick Applicator	SPRY3213		0	\$	10.00 \$ -
VV	Quad Mount Sprayers	SPRY3010		23	\$	10.00 \$ 230.00
CC	Quad Mount Sprayers	SPRY3011		0	\$	10.00 \$ -
GD	Quad Mount Sprayers	SPRY3012			\$	10.00 \$ -
VV	Backpack Sprayers	SPRY3083		3	\$	5.00 \$ 15.00
CC	Backpack Sprayers	SPRY3084		0	\$	5.00 \$ -
GD	Backpack Sprayers	SPRY3085		0	\$	5.00 \$ -
VV	Hand Wick Applicator	MISCR98		0	\$	5.00 \$ -
VV	Granular Pesticide Bait Applicator	PEAC3207		0	\$	30.00 \$ -
VV	Manure Spreader	ASB0010	02104185UMSL75	8	\$	200.00 \$ 1,600.00
GD	Manure Spreader	MANU3209	5792UMSL80TA	0	\$	200.00 \$ -
VV	Fertilizer Spreader	FERT001	AG3W53000FV001001	27	\$	100.00 \$ 2,700.00
VV	50' Heavy Harrow c/w Granular Applicator	HARR3113	245514031	13	\$	150.00 \$ 1,950.00
GD	33' Heavy Harrow c/w Granular Applicator	HARR3082		3	\$	150.00 \$ 450.00
VV	30' Land Roller	ASB0005		19	\$	200.00 \$ 3,800.00
GD	30' Land Roller	ROLL0001	12-1374	1	\$	200.00 \$ 200.00
VV	14' Heavy Disc	ASB0001	AGCW08420EX035270	10	\$	250.00 \$ 2,500.00
GD	14' Heavy Disc	DISC1	AGCW084EX035262	0	\$	250.00 \$ -
VV	Cattle Squeeze	SQUE3099		5	\$	25.00 \$ 125.00
CC	Cattle Squeeze	SQUE3097		3	\$	25.00 \$ 75.00
GD	Cattle Squeeze	SQUE3098		1	\$	25.00 \$ 25.00
VV	Loading Chute with 4 Panels	CHUT3115		20	\$	25.00 \$ 500.00
CC	Loading Chute with 4 Panels	CHUT3097		10	\$	25.00 \$ 250.00
GD	Loading Chute with 4 Panels	CHUT3096		3	\$	25.00 \$ 75.00
VV	Panel Trailer with 20 Panels + 1 Gate	TRL6	SPTBF1627E1019676	16	\$	25.00 \$ 400.00
GD	Panel Trailer with 20 Panels + 1 Gate	PANL3046/T69		0	\$	25.00 \$ -
VV	Tag Reader	GALA3117/3118		0	FREE	\$ -
VV	Burdizzo Clamps	MISCR98		0	FREE	\$ -
VV	Dehomer	MISCR98		0	FREE	\$ -
VV	Truck Mount Seeder	SEED3073		0	\$	10.00 \$ -
VV	Quad Mount Seeder	SEED3074		3	\$	10.00 \$ 30.00
VV	Hand Seeder	MISCR98		0	FREE	\$ -
VV	Post Pounder	ASB0002		20	\$	125.00 \$ 2,500.00
CC	Post Pounder	POST3126		15.5	\$	125.00 \$ 1,937.50
GD	Post Pounder	ASB0003		8.5	\$	125.00 \$ 1,062.50
VV	Bale Wagon	ASB0007		9	\$	150.00 \$ 1,350.00
GD	Bale Wagon	ASB0012		0	\$	150.00 \$ -
VV	No Till Drill	ASB0008		17	\$	150.00 \$ 2,550.00
VV	Grain Vacuum	ASBR0011		22.5	\$	50.00 \$ 1,125.00
VV	Bin Crane	CRAN2123	09 1473	15	\$	100.00 \$ 1,500.00
VV	Water Pump and Pipe - Alberta Ag.	PUMPR99		4	\$	200.00 \$ 800.00
VV	Survey Equipment	SURV3091		4	\$	10.00 \$ 40.00
VV	Metal Detector	METL3081		3	\$	10.00 \$ 30.00
VV	Hay Sampler, Measuring Wheel, Bin Probe	MISCR98		8	FREE	\$ -
VV	Rodent Traps	MISCR98		1	\$	10.00 \$ 140.00
VV	Barbeque	TRL19		3	\$	100.00 \$ 300.00
VV	Picnic Tables	PICTABLES		0	\$	10.00 \$ 80.00
VV	Bag Roller	ASB0006		3	\$	125.00 \$ 375.00
VV	Scare Cannons	MISCR98		0	FREE	\$ -
VV	Pressure Washer	ASB0014		26	\$	50.00 \$ 1,300.00
TOTAL REVENUE				374.5		\$ 34,560.00
CROOKED CREEK TOTALS				34.5		\$ 2,712.50
GROVEDALE TOTALS				22.5		\$ 1,766.50
VALLEYVIEW TOTALS				240		\$ 28,510.00

Canadian Agricultural Hall of Fame inductees selected

Purely Purebred with Mike Millar: News about you from the October 2019 issue of Canadian Cattlemen



By [Mike Millar](#)

National account manager

Reading Time: 4 minutes

Published: November 6, 2019



Woodjam Ranch was established in 1899 and is located at Horsefly, B.C. Cattle rancher Louis Seelhof of Woodjam has a unique valve device that helps keep water from freezing. Have a look below. *Photo: Supplied*

The Keith Gilmore Foundation would like to acknowledge and congratulate the scholarship winners for 2019. The KGF Prize for Beef Innovation went to Matthew Bates. He received a cheque for \$10,000.

Emma Cross and Will Raymond received the Hereford Youth Scholarship. Each received a cheque of \$2,500.

Future of the Breed Scholarship \$1,000 cheque winners were Bobbi-Jo Foster, Courtney Wallace, Lyndsey Smith, April Kudera and Kylee Dixon.

The Keith Gilmore Foundation was established in 1987 to honour Keith Gilmore, editor and publisher of the Canadian Hereford Digest for 30 years. It recognizes his contribution to the Hereford breed, agricultural journalism and the beef cattle industry. Over 150 scholarships have been awarded since the foundation was started. *Canadian Cattlemen* congratulates all scholarship winners this year.

The Boehringer Ingelheim World Hereford Conference takes place in Queenstown, New Zealand, March 9 to 13, 2020. The conference includes not only a full program, but several optional tours, a visit to Wanaka Show to watch cattle shows, and a gala dinner and cruise on Lake Wakatipu. Early bird registration is closing soon so get in touch with the Canadian Hereford Association for more details. For more information, visit nzwhc.co.nz.



Maddie Watkins. photo: Supplied

The Salers Association of Canada is very proud of Maddie Watkins for her huge success at 4-H on Parade in Calgary, winning Champion Female in the all other breeds division with a Salers female. Watkins is a member of the Millarville-Stockland 4-H Beef Club, based in Alberta. Way to go Maddie, congratulations!

The Canadian Charolais Association is pleased to announce Haylea Jones has been named the registry/member services assistant of the Canadian Charolais Association. Jones grew up on a farm north of Didsbury, Alta., where she helped her family raise purebred and commercial cattle. Jones was involved in 4-H for 10 years and participated in various junior shows across Alberta.

In her spare time, she has been teaching skating all over central Alberta and taking university classes. Jones looks forward to her new role at the Canadian Charolais Association and meeting all the members.

Four cattle operations across Canada were selected by their provincial Hereford associations and named commercial producer of the year. Ron Guenther of Hanna, Alta., Clinton and Darryl Brost of Consul, Sask., Ken and Michelle Gurman of Vita, Man., and Layne Moore of Coe Hill, Ont. were all honoured in 2019 by their respective associations. Congratulations to all the recipients.



Ken and Michelle Gurman and Manitoba Hereford Association president Steven Manns. photo: Supplied

The Canadian Charolais Association held their annual general meeting on June 7, 2019. We are pleased to present our 2019-20 CCA board of directors listed in the photo below.



Canadian Charolais Association board of directors. Back row (l. to r.): Craig Scott (general manager), Jim Olson (Man.), Mathieu Palerme (Que.), and Roger Maloney (Ont.). Front row (l. to r.): Kasey Phillips (Alta.), Mike Elder (Sask.), Shawn Airey (Man.), and Darwin Rosso (Sask.). Missing: Rod McLeod (Alta.) and Lorne Lakusta (Alta.).photo: Supplied

Six exceptional Canadians have been selected to join the Canadian Agricultural Hall of Fame as 2019 inductees in recognition of their lifelong contributions to the agricultural sector. JoAnne Buth, Marc Comtois, Cynthia Grant, Louis Latimer, Laurent Pellerin and Robert Prestage will be officially inducted into the national Hall of Fame at a ceremony on Thursday, November 28, 2019, at the Fairmont Le Château Frontenac in Quebec City, Que.

Inductees Louis Latimer and Bob Prestage are no strangers to purebred circles in Canada and the world.

A visionary pioneer, the late Louis Latimer helped develop a global demand for Canadian beef genetics. Latimer was a trailblazer in using data-based selection methods and telling the story of his farm with his Remitall Cattle Company brand — a marketing move that was decades ahead of its time. His passion for breeding and marketing premier Canadian Hereford genetics created market opportunities for elite genetics from his farm, and decades later led to the Canadian Genome Project selecting one of his sires as the most genetically influential sire in the Canadian Hereford Association. Many other Canadian breeders followed Latimer's model, helping elevate the overall quality of Canadian beef genetics. Louis Latimer lived in Olds, Alta., and was nominated by the Canadian Hereford Association.

A strong leader and excellent ambassador, Robert (Bob) Prestage dedicated decades to improving the genetics and quality of Canadian cattle to open international markets for Canadian beef and other livestock. He began by developing a progeny test program for beef cattle 60 years ago — a program that is still used across the country. His work with Canadian Beef Sire and Western Breeders improved the genetic pool of Canadian beef cattle. Prestage was instrumental in creating a worldwide beef export network with the Alberta Angus Association, raising Angus to the dominant breed in the beef industry. Through his Wicklow Angus farm, Prestage has a thriving international export business of semen and embryos of all species of livestock. Bob Prestage lives in Camrose, Alta., and was nominated by the Canadian Angus Association.

We congratulate all of the 2019 inductees and their families for this great honour.

As we head into typical fall weather conditions with water troughs freezing at night, below is a unique idea from B.C. cattle rancher Louis Seelhof of Woodjam Ranch at Horsefly, B.C. By adding a small valve teed onto the main water line, they are able to keep water moving through the line, which helps prevent freezing. Even with the main float valve closed, the water is always moving.



The valve keeps water moving through the line, preventing freezing. photo: Supplied

Woodjam Ranch was one stop on a tour during the B.C. Cattlemen's Association AGM at Williams Lake, B.C., last May. Next year's AGM is slated for May 28 to 30 at Fort St. John, B.C.

Carbon costs affecting grain drying for Prairie farmers

Opponents say the rebates won't fully cover the additional costs farmers must pay

By [D.c. Fraser](#)

Published: October 25, 2019



Excessive amounts of fall moisture in the form of rain and snow has practically ensured that grain drying will be necessary for any remaining crops to be harvested. Photo: File

Glacier FarmMedia – Farmers in Manitoba, Saskatchewan and Alberta struggling to get their crops harvested will also be paying higher costs for drying thanks to the federal carbon levy.

While the federal carbon price offers relief for gasoline and light fuel oil costs used in tractors and trucks, there is no exemption for grain drying or heating.

Saskatchewan's Association of Rural Municipalities (SARM) is tracking the costs associated with carbon pricing throughout the year, including fees associated with grain drying.

“We’re concerned not only about the cost of drying, but the added cost the federally imposed carbon tax has put on producers,” said president Ray Orb.

Additional fees from the carbon pricing scheme range from an estimated \$2,000 to \$4,000, depending on the size of the operation.

“We think that should not be there because farmers are already under a lot of duress dealing with the weather, they certainly don’t need anymore taxes imposed on them,” said Orb.

It’s an issue his group, and others, will continue to raise with the newly-elected minority Liberal government.

Saskatchewan’s premier complained openly to reporters about grain drying costs after Prime Minister Justin Trudeau’s re-election, saying costs are “significant.”

He referenced receiving a text from a farmer who has dried over two million bushels of grain.

“I don’t know what he’s getting back in his carbon tax rebate, but it most certainly isn’t going to offset the carbon tax that he’s going to spend in one month drying his product.”

Federal background documents on the carbon tax say an average family of four in Saskatchewan can expect to receive around \$903 in 2020, with another 10 per cent available to those in small or rural communities.

Saskatchewan’s government is anticipating the total carbon tax costs for grain drying for individual producers to be in excess of the rebate they receive.

But the provincial government is not requesting any relief funding to assist farmers with the added costs this year. Instead, the Saskatchewan government is reminding farmers crop insurance assists with costs from quality and yield loss.

Fuel used for grain drying is also an eligible expense under AgriStability.

Keystone Agricultural Producers (KAP) noted in a statement the “Made in Manitoba Climate and Green Plan” exempted grain drying from carbon costs; but that plan was scrapped last October and the province now falls under the federal backstop, meaning that similar to

Saskatchewan and Alberta, Manitoba producers are not exempt from paying carbon costs for drying grain.

KAP said it will “continue to lobby” for an exemption at the federal level.

It is unknown how much revenue will be collected by the Canadian government as a result of grain drying costs, because the Ministry of Finance does not make that information available.

In a statement, the federal government said, “By law, the Government of Canada must return all direct proceeds from the federal carbon pollution pricing system to the province or territory of origin.”

In Alberta, Saskatchewan and Manitoba, proceeds are largely being returned directly to individuals at tax time through the carbon rebates.



Yesterday's Forestry Wood waste — Is Tomorrow's sustainable green economic, social and environmental Resource

We are the Canadian Wood Waste Recycling Business Group, a for profit membership supported environmental Wood recycling industry resource management business group based out of the Stony Plain, Alberta region.

The Canadian Wood Waste Recycling Business Group is made up of global Wood recycling industry leaders, Wood recycling Bioeconomy companies assembled to build the national Canadian Wood recycling Bioeconomy, industry through each members and stakeholders focused business service.

As Canada's leading Wood recycling industry resource administrative, corporate development management business group.

In brief, we leadership connect, promote global industry technologies and Wood recycling business resources along with Canadian governments to build a sustainable Canadian Wood recycling Bioeconomy.

We do this by;

- identifying Wood **WASTE** challenges
- providing sustainable Wood **WASTE** recycling service solutions
- conducting specific radius Wood **WASTE**, recycling regional feasibility studies across CANADA industry
- delivering industry, business and governmental **CONTACTS**
- working with government developing green, economic, social policy and wood recycling mitigation
- **ALLOCATING** RFI, RFP, RFQ, sales leads
- implementing the most cost-efficient Wood recycling processing **TECHNOLOGIES**
- recognizing and building regional, provincial and national recycled Wood **REUSE** markets
- **BUILDING** the Canadian Wood recycling Bioeconomy, industry

We do this by providing key Wood recycling industry administrative Leadership, industry business start-up, Bioeconomy Knowledge, make available indispensable introductory Contacts, distribute acquired business Sales leads & Referrals, providing business Development and Social media web, marketing, promotion of each members related Wood recycling business service - 24/7 ongoing support.

BUILDING CANADA'S WOOD RECYCLING BIOECONOMY INDUSTRY
The Canadian Wood Waste Recycling Business Group. (CWWR)

We are the voice of the Canadian Wood recycling Bioeconomy, industry

Some PEOPLE wait for the FUTURE. LEADERS create the FUTURE! Join US!





**CANADIAN WOOD
WASTE RECYCLING
BUSINESS GROUP**
www.cdnwoodwasterecycling.ca

2020 Canadian Wood Recycling Industry Membership Application

Corporation Name: _____
Address: _____
City: _____ **Province/State:** _____
Postal/ZIP: _____ **Country:** _____

Authorized Name: _____
Title: _____ **E-mail:** _____
Web: _____ **Tel:** () _____
Cell: () _____ **Note:** _____

Canadian Wood Recycling Industry Business Categories

Mobile or Stationary Wood Recycling Facilitator - Landfill/Transfer Station Facilitator - Recycling Contractor
Sawmill Ind. - Firewood - Forestry Ind. - Logging Ind. - Woodlands Contractor - Lumber Mill - Woodlot Owner - Reforestation Ind.
Oil & Gas Ind. - Energy Ind. - Hazardous Waste Ind. - Federal - Provincial - Municipality - Regional - County Governmental
Equipment Mfg. - OEM Supplier - Transportation Ind. - Trucking Owner - Roll-off Co. - Construction Co. - Engineer/Architect
Builder - Contractor - Renovation Co. - Demolition Co. - Landscape Co. - Media - Publication and or other

Please circle the relevant category(s) that best identify your industry related business type activities

Canadian Wood Recycling Industry Membership Benefits

As a member of the Canadian Wood Waste Recycling Business Group, you are now part of the elite Canadian and International leadership contingent building the **Canadian Wood Recycling Bioeconomy** as a national industry. As an industry business group, collectively we present and represent the opportunity to expedite your economic business growth, create a more sustainable society, while all can mutually achieve the **environmental** result's in building of the Canadian Wood Recycling industry.

Canadian Wood Waste Recycling Business Group.

(industry membership Categories & Annual fees)

Corporate membership	Membership fee is \$500.00 per annum
Non-profit, association, society, institutional, academia, students	Only CWWR approved memberships are Free on a per annum

Canadian Wood Waste Recycling Business Group Membership Fee

Annual Membership Fee: \$500.00 = \$500.00

Please complete your **2020** Canadian Wood Waste Recycling Business Group, Wood Recycling industry membership application and return send with payment.

Our Canadian Wood Waste Recycling Business Group, Wood Recycling industry membership payment options are as follows.

Credit card payment is accepted c/o of the **Square** payment system, please contact the office (780) 239-5445

Debit payment is accepted c/o of the **Interac** e-transfer to jdonaldson@cdnwoodwasterecycling.ca

Cheque payment is accepted c/o of a **Priority post** or **Courier** to avoid lost cheques care of **Canada Post**.

Please **Priority post or **Courier** to Canadian Wood Waste Recycling Business Group.*

#108 - 4301 B South Park Drive, Suite 206, Stony Plain, AB. T7Z 2A9 CANADA

Note: Upon payment receipt, a **paid** invoice receipt is emailed.

Payments for CWWR Membership are non-refundable. Our fiscal year is January 01 each respect year.

Authorized Name: (Print) _____ **Title:** _____

Signature: _____ **Date:** _____

Linked in



**BUILDING CANADA'S
WOOD RECYCLING INDUSTRY**

www.cdnwoodwasterecycling.ca

facebook

Thank you for your support in the building of the Canadian Wood Recycling Bioeconomy industry.

Canadian Wood Waste Recycling Business Group

Canadian Wood Recycling Industry Bioeconomy Development



Building a Canadian environmental industry is more than just providing a singular solution.

“It is an unshakable collaborative long-term commitment from all members, partnerships, stakeholders, investors and governments in support of building a sustainable Canadian Wood recycling Bioeconomy”





Canadian Wood Waste Recycling Business Group – Building the Canadian Wood Recycling, Bioeconomy Industry

The fundamental role of the Canadian Wood Waste Recycling Business Group is to act as the industry leader in the transfer of essential Canadian Wood Recycling environmental industry knowledge and resources.

Who are we.

*We are the Canadian Wood Waste Recycling Business Group, a for profit, **membership** supported and directed national environmental business based out of Stony Plain, Alberta.*

*As Canada's leading **Wood waste recycling** industry resource management business group, we are made up of elite industry leaders from around the world, assembled together to build the national Canadian **Wood recycling** industry through each member's specialized business service.*

*The Canadian Wood Waste Recycling Business Group connects people and business through our business groups industry resource portfolio — providing **Contacts**, sharing the essential industry **Knowledge**, deliver business **Leads** and provides social media industry **marketing** and **promotion** of each business **members** service, facility, product, administrative and or technology.*

Our registered business group industry **Membership** services range from and include;

- consultant / wood recycling feasibility/characterization studies, data management & reporting systems
- consultant / wood waste recycling business start-up, plans, construction, commercialization
- consultant / sales & marketing, business development
- contractor / mobile & stationary wood processing, recycling service, technology reuse applications
- consultant / outsourcing recycled wood product, product market reuse development
- consultant / e-commerce wood supply chain, brokerage management service
- manufacturer / contractor portable sawmilling equipment and services
- manufacturer / contractor technologies, waste-to-energy technologies
- contractor / transportation, haulage, logistics
- consultant / corporate investment, grant fund sourcing, grant writing
- contractor / hazmat, hydro-vac, treated wood waste solutions
- consultant / carbon management portfolio, off-set credit, measurement programs, policy development
- governmental advocacy, policy development and regulations
- institutional / academia research and development
- CWWR / referred RFP's, tenders, bids, contracts
- CWWR / industry Wood recycling workshops, expos, conferences, trade shows, social media

RECYCLING END-OF-USE WOOD WASTE Into New Wood Bioeconomy products

The following literature identifies the Canadian Wood Waste Recycling Business Group's definition of our Canadian **Wood Recycling industry** practises: once the identified **Wood waste** material has been identified, how it is going to be collected, delivered, sorted and or processed through one or a combination of the **Wood Recycling** processes that range from and can include:

► **Reprocessing** ► **Remanufacturing** ► **Barn Wood** | Canadian Wood recycling industry sectors.

The Three Core Industry Wood Recycling Reuse Definitions

As established there are **three-leading core, foundational** operational business sectors in the development of the Canadian Wood recycling industry.

The three core, industry based foundational **Wood recycling** reuse sectors are:

(1) ► REPROCESSING Industry

The **Wood Recycling** business of **Reprocessing** Wood waste

Service type — The Wood Recycling business of Reprocessing Wood waste.

Mobile and or stationary Grinding, Shredding, Chipping, Hammer-milling and or Screening of used Wood into a reusable product format. **NOTE:** it is essential to build the and expand the local, regional and national recycled product reuse markets.

The Term Reprocessing: — This Wood recycling industry sector **Reprocessing** refers to the small business application of providing mobile & or stationary **Wood Reprocessing** recycling services, the process of **Grinding, Shredding, Chipping, Hammer-Milling** and or **Screening** used end-of-life **Wood waste**, to be sold as **recycled** renewable **Wood** product into developing reuse markets. (Commercial, Governmental or Private Landfill, recycling facilities)



Product Reuse Markets: The reuse applications range from and include:

Bio-char, Daily landfill cover / Drilling waste absorbent / Wood pellet, Soil amendment / Conditioner / Regenerative product / Remediation / Lease site berm / Water conservation material / Base material for provisional Roads, Parks, Trails and Pathways / Specialized landscaping product / Composting / Equine, animal bedding / Waste-to-Energy fuel and miscellaneous reuses



(2) ► REMANUFACTURING Industry

The Wood Recycling business of Remanufacturing Wood waste.

Service type — generally a 2-4 Man Portable or Stationary Sawmill, custom cutting service, processing remanufacturing the recycled **Wood** for resale into new markets

The Term Remanufacturing: — This Wood recycling industry sector **Remanufacturing** refers to the small business application of utilizing a small portable or stationary **Wood Sawmill** system to remanufacture used unwanted smaller Mill grade trees, municipal reforestation, bug infested trees, off-cuts, construction demolition Wood waste. **NOTE:** it is essential to build the and expand the local, regional and national recycled product reuse markets.

The portable Sawmill system also can include, kiln drying, planing and or milling the wood product into a custom cut inventory, sold as a renewable building or manufactured product



Product Reuse Markets: The reuse applications range from and include:

new Building products / Dimensional lumber / Beams / Posts / Planking / Siding Decking / Steps / Wood Mantels & Corbels / Bar & Countertops / Doors & Windows / Tables & Chairs / Cabinets / Wood Mirrors & Shelves / Wood flooring Wall board / Roofing / Fireplace Mantle and miscellaneous reuses

(3) ► BARNWOOD Industry

The Wood Recycling business of creating Barnwood from Wood waste.

Service type — Retail inventory the Barnwood and resell the reusable, recycled **Wood** into new markets

The Term Barnwood: — This retail Wood recycling industry sector is classified as **Barnwood**, this consists of dismantling, collecting and conducting some manufacturing of the used **Wood** material into a retail inventory sort to be readied and sold into emerging reuse markets. (Retail facilities) **NOTE:** it is essential to build the and expand the local, regional and national recycled product reuse markets.



Product Reuse Markets: The reuse applications range from and include:

used Building products as in Dimensional lumber / Beams / Joists / Trusses / Posts / Planking / Siding / Ceiling / Roof Sheathing / Wall boards Decking / Steps Wood Mantels & Corbels / Bar & Countertops / Doors & Windows / Tables & Chairs Cabinets / Wood Mirrors & Shelves / Wood Flooring & Sub-flooring / Fixtures and miscellaneous reuses



Some of our Canadian Wood recycling **Membership** facilitators and facilities have incorporated ...

1, 2 or all 3 closed-loop sustainable **Wood Recycling** business practises.

As described the above Wood waste recycling and reprocessing used wood waste — business operations will vary from location to location, based on medicating circumstances, such used wood waste supply chain, technologies, industry education to commercialization, population, location, local landfill recycling policies, recycling business plan, governance, endorsement and developing the outsource reuse supply and demand market for the recycled Wood material or product.

ENVISION: *Join the us in building the Canadian Wood Recycling, Bioeconomy Industry*

CANADA'S WOOD RECYCLING INDUSTRY

The new Canadian Green business frontier



*We are providing the **environmental, social and economic Wood recycling business outcomes***

The Canadian Wood Waste Recycling Business Group assist's each registered **member** through their required project phase, from initial business research, start-up phase, business plan creation, network industry contacts, sourcing the appropriate funding and grant writing application, marketing and business expansion, trucking logistics contacts, new technologies, sales and marketing consultancy, business development consultants, commercialization and ongoing support of their specialized **Wood Recycling** business.

Consumer / Purchasers of Recycled Wood products

As the Canadian Wood recycling industry emerges through our collaborative education, initiatives we are seeing a savvy new class of entrepreneur. The demand for recycled **Wood**, reclaimed **Wood** products has been steadily increasing as consumers and governments recognize and value, environmental benefits, the look, feel, functionality and cost of using recycled **Wood**.

It's time to take full advantage of the business opportunity to achieve your economic, social & environmental outcomes in the Canadian Wood Recycling industry

Largest Wood Waste Industry Producers

Forestry, Logging, Lumber-Mill, Pulp & Paper, Log Sorting Yards / Oil & Gas / Hazard waste / Distribution Pipeline / Municipal Government Landfill / Agriculture and Farming

The Wood recycling business development and reuse markets for the recycled Wood will vary from location to location based mediating circumstances such as the quantifiable Wood waste characteristics; type of Wood waste generated, volumes, moisture content, regional supply chain, location/region, population, regional industry, governmental support and educational acceptance for the eventual Canadian reuse markets.

New economic, social and environmental business opportunities like these don't come along every decade

Don't Wait. The time will never be just right

Now's the time to create your valued Wood recycling business

Environmental associate, on behalf of the Canadian Wood Waste Recycling Business Group, its business **members**, partnerships, stakeholders and governments, we look forward to developing a dynamic environmental **Wood Recycling** industry business relationship with you.



www.cdnwoodwasterecycling.ca



**Alberta
Barley**



better together.

Federal government must be prepared to prevent CN rail strike says the Alberta Wheat and Barley Commissions

(Calgary, Alberta) November 18, 2019 – With the threat of a CN rail strike that could happen as early as tomorrow, the Alberta Wheat and Barley Commissions are urging the federal government to be prepared to intervene. [Many farmers are still facing devastating harvest conditions](#) and poor prices. A disruption in service would compound an already difficult situation causing severe economic consequences for farmers.

On Saturday, the Teamsters Canadian Rail Conference, which represents approximately 3,200 CN employees, issued a 72-hour notice of its intention to strike.

CN delivers up to 5,650 hopper cars per week to Canadian elevators, representing over half a million tonnes of grain. If those cars are not supplied, farmers can't deliver and are not paid. Even a disruption of a few days will cause a massive backlog and economic losses that are ultimately borne by farmers.

The commissions urge the current Minister of Labour, Hon. Patty Hajdu and current Minister of Transport, Hon. Marc Garneau to take whatever steps are necessary to avert a strike.

A new federal cabinet will be sworn in on Wednesday. The commissions say the cabinet's first order of business should be to avert a crisis in Canada's

transportation system. The commissions say that rail delays will ultimately delay exports to Canada's global markets, causing further market uncertainty for farmers and damaging Canada's reputation as a reliable supplier of grain.

Quotes

"There are a lot of farmers who already have a significant amount of their income trapped under snow. Now adding insult to injury, we're looking at possible CN rail strike action too. That means that for the grain we did manage to harvest, we won't be paid at least until service resumes."

- Gary Stanford, Alberta Wheat Commission chair

"We need to see immediate action from the federal government to prevent any delays in rail service, not only to ensure farmers can be paid, but also to avoid jeopardizing our global export markets.

- Dave Bishop, Alberta Barley chair

Media contact

Victoria Decker

Communications Manager

Alberta Wheat and Barley Commissions

vdecker@albertawheatbarley.com

403-219-7906

First UCP provincial budget cuts agriculture spending

Government forecasts \$34-million drop in ag research funding over four years



By [Jennifer Blair](#)

Reporter

Reading Time: 3 minutes

Published: November 4, 2019



The government plans to cut its overall spending by \$1.3 billion over four years. *Photo: iStock/Getty Images*

Government-led agricultural research will face cuts under the United Conservatives' new provincial budget.

The budget, released Oct. 24, will slash spending in the Agriculture and Forestry Ministry by \$88 million, dropping the department's budget from \$987 million in 2018-19 to \$879 million in 2019-20.

Within the department, the primary agriculture division — which manages research and production — will be among the hardest hit, with cuts of \$7 million in 2019-20, which is the current fiscal year. It calls for a total spending reduction of \$26 million by 2022-23, bringing the division's budget down from \$77 million last year to \$51 million by the end of 2023.

The government plans to cut its overall spending by \$1.3 billion — 2.8 per cent — over four years, said Finance Minister Travis Toews. But with funding for health, education and social services frozen over those four years, other departments face much deeper cuts.

“This is a budget that is courageous — tackling the out-of-control spending of previous administrations,” said Toews, a rancher from Beaverlodge and past president of the Canadian Cattlemen's Association.

“This is a budget that is compassionate — taking care of the most vulnerable and providing more resources for families and children. This is a budget that is thoughtful, reasonable and precise in its execution.”

The cuts in the Ag Ministry will mean fewer staff, with current vacancies going unfilled and the possibility of further staffing reductions in the years ahead. Staffing levels are also up in the air at the Ag-Info Centre, a call centre of experts who can help producers access information about crops, livestock, and farm management, among other things.

But what might be most concerning for Alberta's producers is the province's plan to shift its research priorities to farm groups.

While few details are known about what this will look like in practice, the province will be shifting its own research funding programs into the Canadian Agricultural Partnership, a joint federal-provincial-territorial funding program, in an effort to streamline how funding is allocated.

Ahead of the [election in April](#), Alberta's farm groups expressed fears about the dwindling provincial research budget, after the Alberta Livestock and Meat Agency (ALMA)

was dismantled in 2016 and the Alberta Crop Industry Development Fund (ACIDF) followed suit in 2018.

“When you take away one funding model with no plan in place, it’s been very difficult for us to figure out the funding for the future,” Alberta Wheat chair Gary Stanford said prior to the election.

“We need innovation and research for the livestock sector and the crop sector, so we need some kind of new program for the future.”

Alberta Beef Producers chair Charlie Christie and Alberta Canola chair John Guelly made similar comments prior to the election.

However, reaction to the provincial budget was muted.

A spokesperson for Alberta Wheat and Alberta Barley said the organizations would not be issuing a news release on the budget while Alberta Beef Producers called it “a reasonable budget” that takes “a measured approach to spending reductions.”

“We were disappointed to see a 9.1 per cent reduction in the Ministry of Agriculture and Forestry expenses this year, but understand the fiscal constraints under which the government is operating,” ABP said in the Oct. 28 edition of its Grass Routes e-newsletter. “We hope the ministry will be able to maintain the effective programs and services that make our industry more competitive.”

The cattle organization also said it is “curious to see where the ministry will find \$34.1 million in savings on research over four years.”

“We are concerned that savings will be found through reduced investment in research projects and infrastructure,” the article in the newsletter stated. “Investments in research and development are critical to enhancing the competitiveness of our industry.

“Producers and industry are prepared to make these investments, but the agriculture industry has limited financial resources and needs government support for research to compete in global markets.”

Most farmers support more research funding

Farmers who took an online survey by the Alberta Federation of Agriculture and sister organizations were asked about the future direction of plant breeding in Canada.

There is support for research, but with caveats.

- When asked if increased investment in crop development is required provided it ensures long-term stable funding for public and university breeding programs 68 per cent of those who answered agreed and 32 per cent disagreed.
- When asked if increased investment in crop development is required provided producers have oversight on how much is collected and what the funds are used for 64 per cent agreed and 36 per cent disagreed.
- When asked if increased investment in crop development is required to ensure Canadian producers have access to improved varieties to remain competitive 52 per cent agreed and 48 per cent disagreed.
- When asked if increased investment in crop development is required provided it encourages competition and higher levels of private sector investment in plant breeding 47 per cent agreed and 53 per cent disagreed.

Manitoba farmer invites Trudeau to his farm

By [Robert Arnason](#)

Reading Time: 2 minutes

Published: November

5,

2019



Bill Campbell, president of Keystone Agricultural Producers, has invited Trudeau to his farm to discuss issues and challenges facing Western farmers – including trade disputes and how to cope with extreme weather. | Screenshot via KAP.ca

A Manitoba producer is inviting the Prime Minister to visit his farm.

Bill Campbell, who farms near Minto, in southwestern Manitoba, [sent a letter to Justin Trudeau this week](#).

In the letter, Campbell invites Trudeau to his farm and says he wants to work with the Liberal government.

“Since the election has concluded, we have heard a great deal from some Western Canadian politicians about separation from the rest of Canada given the lack of Western Canadian voices in your government,” wrote Campbell, who is the president of the Keystone Agricultural Producers.

“These discussions do not serve the best interest of our country and are not discussions Manitobans support. We do, however, have the need to hear from our federal government on the issues that we encounter every day.”

The Keystone Agricultural Producers released the letter, to the media, Tuesday morning.

In the wake of the October 21 federal election, farmers, politicians and thousands of Westerners have vented their frustration with the result.

Trudeau and the Liberals are in power, despite not winning a seat between Winnipeg and the Lower Mainland of British Columbia. Voters in Alberta and Saskatchewan elected zero Members of Parliament in the Liberal government, so it’s unclear who will represent their interests in Ottawa.

Campbell, who runs a mixed farm, said it’s time to move beyond the anger, resentment and the rhetoric about Western separation.

“I believe strongly that no matter our political differences, we can work beyond those and move my industry and our country forward because we have the responsibility to work together in a collaborative way.”

Campbell has invited Trudeau, to his farm, to discuss issues and challenges facing Western farmers – including trade disputes and how to cope with extreme weather.

“We have encountered drought and excess moisture in the same farming year... and we are looking for federal leadership to ensure that our operations remain sustainable so that we can continue to be an economic driver in this country,” he wrote.

“My hope is that you will seriously consider my invitation so that we can discuss how your government can work with farmers like me going forward. We are all best served by working in unison, rather than in opposition.”

Contact robert.arnason@producer.com

Millions of acres of canola freeze, compound ‘harvest from hell’

By Rod Nickel

Reading Time: 2 minutes

Published: November 15, 2019



Unharvested canola under snow in October 2016. (Lisa Guenther photo)

Winnipeg / Reuters — Heavy snow and rain during harvest on the Canadian Prairies have left several million acres of canola buried until spring, the latest blow in a miserable year that may compound farmer problems into 2020.

Canola is renowned as Canada’s most profitable crop, exported to China, Japan and Mexico to make vegetable oil and animal feed.

But in March, Beijing revoked the licences of Canadian exporters Richardson International and Glencore’s agriculture unit, Viterro, slowing China’s overall purchases amid a broader diplomatic dispute.

Canola futures are down three per cent year over year in the world’s biggest canola-growing country despite severe harvest problems that normally would lift prices, adding further pressure to declining farm incomes.

This year will be remembered as the “harvest from hell,” said farmer John Guelly, chairman of the Alberta Canola industry group. Canola’s problems may even frustrate some from sowing it next year, he said.

“I think there will be a pullback in acres for sure.”

In Alberta, 17 per cent of canola was unharvested as of Nov. 5, according to the provincial government, along with 12 per cent of Saskatchewan's canola and nine per cent of Manitoba's output measured around the same time. Based on Canadian government seeding estimates, that unharvested canola represents some 2.7 million acres, or 13 per cent of national plantings.

Some harvesting occurred after the latest provincial estimates, but the volume of unharvested crops looks to be the most in three years, said Shawn Jaques, CEO of Saskatchewan Crop Insurance Corp.

Crops that remain in fields over the winter are subject to wildlife damage and to spoilage, but some of it can usually be salvaged at a discount.

Needing to harvest the previous crop once fields dry in spring can delay farmers from planting the next crop, however.

"There is palpable frustration," said Curtis Rempel, vice-president of crop production at the Canola Council of Canada. "The fall was so tough for so many growers and right now people are still thinking about, 'What does my spring look like in terms of harvesting?'"

Friday is the deadline for farmers in Saskatchewan and Alberta, the two biggest canola-growing provinces, to file insurance claims. Collecting is an uncertain process, however, and many farmers count on their last harvested acres to make up their profit margin once expenses are paid, said Todd Lewis, president of Agricultural Producers Association of Saskatchewan.

This year has been "very long, very frustrating," said Lewis. "It's really hitting guys in the pocketbook."

— **Rod Nickel** *is a Reuters correspondent covering the agriculture and mining sectors from Winnipeg.*

30-Day Precipitation Accumulations Relative to Long Term Normal

October 14, 2019 to
November 12, 2019

Condition	Frequency
driest	< once in 50-years
extremely low	once in 25 to 50 years
very low	once in 12 to 25 years
low	once in 6 to 12 years
moderately low	once in 3 to 6 years
near normal	once in 3 years
moderately high	once in 3 to 6 years
high	once in 6 to 12 years
very high	once in 12 to 25 years
extremely high	once in 25 to 50 years
wettest	< once in 50-years
no data	

Near-real-time weather data was assembled and quality controlled by Alberta Agriculture and Forestry. The frequency of occurrence was based on historical weather data from the 1961-2018 period, interpolated to township centres using AbClim-3.2



Compiled by Alberta Agriculture and Forestry, Environmental Stewardship Branch, Engineering and Climate Services Section
Created on November 15, 2019

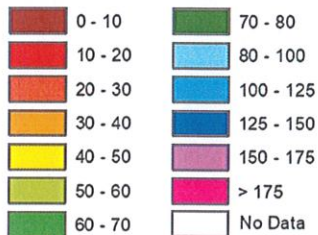
Alberta Agriculture and Forestry

Visit weatherdata.ca for additional maps and meteorological data

Precipitation Received During the Past 30-days

October 14, 2019 to
November 12, 2019

Precipitation (mm)



Near-real-time weather data was assembled and quality controlled by
Alberta Agriculture and Forestry.



Compiled by Alberta Agriculture and Rural Development, Environmental Stewardship Division, Technology and Innovation Branch
Created on November 15, 2019

Alberta Agriculture and Forestry

Visit weatherdata.ca for additional maps and meteorological data

Snow Pack Accumulations In Stubble Fields Relative to Long Term Normal

Estimated as of November 12, 2019

Condition	Frequency
driest	< once in 50-years
extremely low	once in 25 to 50 years
very low	once in 12 to 25 years
low	once in 6 to 12 years
moderately low	once in 3 to 6 years
near normal	once in 3 years
moderately high	once in 3 to 6 years
high	once in 6 to 12 years
very high	once in 12 to 25 years
extremely high	once in 25 to 50 years
wettest	< once in 50-years
no data	

Near-real-time weather data was assembled and quality controlled by Alberta Agriculture and Forestry. The snow pack was modeled for stubble fields using the Modified Versatile Soil Moisture Budget V-4.0. The frequency of occurrence was based on model runs using historical weather data from the 1961-2018 period, interpolated to township centres using AbClima-3.2



Compiled by Alberta Agriculture and Forestry, Environmental Stewardship Branch, Engineering and Climate Services Section
Created on November 15, 2019

Alberta Agriculture and Forestry

Visit weatherdata.ca for additional maps and meteorological data

Spring Wheat Soil Moisture Reserves Relative to Long Term Normal to a Depth of 120 cm

Estimated as of November 12, 2019

Condition	Frequency
driest	< once in 50-years
extremely low	once in 25 to 50 years
very low	once in 12 to 25 years
low	once in 6 to 12 years
moderately low	once in 3 to 6 years
near normal	once in 3 years
moderately high	once in 3 to 6 years
high	once in 6 to 12 years
very high	once in 12 to 25 years
extremely high	once in 25 to 50 years
wettest	< once in 50-years
no data	

Near-real-time weather data was assembled and quality controlled by Alberta Agriculture and Forestry. Soil moisture was modeled for spring wheat on medium textured soils using the modified Versatile Soil Moisture Budget V-4.0. The frequency of occurrence was based on model runs using historical weather data from the 1981-2018 period, interpolated to township centres using AbClimate-3.2



Compiled by Alberta Agriculture and Forestry, Environmental Stewardship Branch, Engineering and Climate Services Section
Created on November 15, 2019

Alberta Agriculture and Forestry

Visit weatherdata.ca for additional maps and meteorological data



TEAMALBERTA

ADVANCING ALBERTA'S CROP SECTOR TO 2025 AND BEYOND

Team Alberta urges aggressive action on BRM programs, trade and carbon tax exemptions after 'Harvest from Hell'

(Calgary, Alberta) November 13, 2019 - With the 'Harvest from Hell' still ongoing, major trade disruptions still blocking farm exports into important global markets, business risk management (BRM) programs that are ill-equipped to mitigate these issues and imposition of a federal carbon tax looming on January 1, Team Alberta says aggressive action from governments on serious economic hardships facing farmers is needed.

According to the latest Alberta crop report, this year's wet conditions have resulted in 11 per cent of the crop still left in the fields, but 17.3 per cent of the canola crop, nearly 15 per cent of the potato crop and 45 per cent of the sugar beet crop. Unharvested acres represent a total value of more than \$778 million across the province. Conditions are most critical in the Peace Region where 40 per cent of the crop is unharvested with other pockets in the Peace and several areas along the Highway 2 corridor where less than half of the harvest is complete. The 2019 growing season marks the third year of drought in southern Alberta and excessive moisture in northern Alberta.

Poor harvest conditions make for increased urgency for governments to resolve the non-tariff trade barriers to important global markets and make immediate

improvements to the BRM programs under the current review. In addition to calling for a more comprehensive review, Team Alberta is asking for immediate adjustments to AgriStability to increase covered losses starting at 85 per cent of reference margins and for the removal of Reference Margin Limits in time for the 2020 harvest.

Team Alberta is also pressing the federal government for exemption from the carbon tax on all farm fuels used in operations for irrigating and grain drying which has added extensive costs during this difficult harvest. The federal government has already committed to exemptions on marked farm fuel under the carbon pricing backstop which will be applied in Alberta on January 1, 2020.

In remarks during Team Alberta's breakfast event last week, the commissions were encouraged by provincial agriculture minister Devin Dreeshen's acknowledgement of the severity of the harvest situation. Minister Dreeshen also committed to working with the federal government and his provincial counterparts to improve the suite of BRM programs at upcoming meetings in mid-December. During the election period, the federal government also committed to enhancing support for BRM programs. Team Alberta says this is a good start.

Quotes

"Farmers are facing the perfect storm of devastating harvest conditions, trade uncertainty and a lack of support through programs that should be mitigating these challenges."

- Dave Bishop, Alberta Barley chair

"We've seen bad harvests in three out of the last four growing seasons. We can't control the weather but it's time for our governments to resolve the political issues that we can control. Not only are we facing trade barriers, but our competitors in

the U.S. are receiving their third round of government payouts.”

- Don Shepert, Alberta Pulse Growers chair

“Farmers are experiencing the harvest from hell. Many of those in the worst hit areas won’t be able to get their crop off until the spring, which could push this year’s delays well into next year’s growing season. Aggressive action from our governments on trade, BRMs and the carbon tax is a must.”

- John Guelly, Alberta Canola chair

“This is the kind of uncertainty that’s bigger than farm business cash flow. The weight of these combined challenges starts to threaten farmers’ mental health.”

- Gary Stanford, AWC chair

If you or someone you know is struggling with mental health, call the Alberta Mental Health Help Line at 1-877-303-2642 (toll free) or visit www.domore.ag to learn more about the resources available to you.

Media contacts:

Victoria Decker,
Communications Manager
Alberta Wheat and Barley Commissions
vdecker@albertawheatbarley.com
403-813-6956

Rachel Peterson,
Communications Coordinator
Alberta Pulse Growers
rpeterson@albertapulse.com
780-986-9398 ext. 108

Michelle Chunyua,
Communications Coordinator
Alberta Canola
michelle@albertacanola.com
780-454-0844

TEAM ALBERTA

Team Alberta is a collaborative initiative led by four of the province's crop commissions. Our commissions are producer elected, directed and funded organizations established to represent the interests of our producers across the province.



Alberta
Barley



Alberta Crop Report



Crop Conditions as of November 5, 2019

Following a cooler than normal growing season, September brought several wet spells, interspersed by two major dry spells, each lasting less than two weeks. In October, wet spells occurred more frequently, with the northern half of the province blanketed with a few cloudy days. Over the past month, all areas in the province experienced below normal temperatures (See Map on the next page), which, when coupled with precipitation, made harvest operations difficult. In many areas, the recent snowfall with more still in the forecast, is most likely to bring harvest to a complete halt for the season. Some planted acres will be abandoned, while those with yield potential will likely remain unharvested until spring.

Provincially, about 89 per cent of crops have been harvested in Alberta, compared to 95 per cent at this time in 2018 and 76 per cent in 2016 (See Table 1). Both 2016 and 2018 crop years had record long harvest seasons. Despite the challenging season so far in 2019, harvest progress is still ahead of 2016 for all regions, with the exception of the Peace Region which is behind. Currently, about 11 per cent of all crops across the province remain unharvested, with five per cent in swath and six per cent standing.

Table 1: Estimates of Crop Harvest Progress as of November 5, 2019

	Per cent of Crops Combined					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat*	97.0%	92.4%	90.5%	95.5%	61.6%	89.5%
Durum Wheat	99.1%	99.3%	---	---	---	99.1%
Winter Wheat	100.0%	100.0%	100.0%	---	---	100.0%
Barley*	98.3%	94.7%	92.8%	93.7%	54.9%	93.0%
Oats*	96.8%	91.9%	82.6%	93.6%	62.3%	84.8%
Fall Rye	100.0%	100.0%	100.0%	---	---	100.0%
Triticale	100.0%	99.8%	---	---	---	99.8%
Canola*	94.7%	89.1%	81.6%	91.5%	60.1%	82.7%
Dry Peas*	100.0%	96.1%	99.1%	99.5%	88.2%	96.8%
Lentils	100.0%	100.0%	---	---	---	100.0%
Chickpeas	99.9%	100.0%	---	---	---	99.9%
Flax	92.9%	70.4%	98.0%	---	---	87.7%
Potatoes	88.7%	100.0%	---	98.0%	---	89.8%
All Crops, November 5, 2019	97.2%	92.3%	87.1%	93.0%	63.4%	88.9%
Major Crops (*), November 5, 2019	97.0%	92.0%	87.3%	93.7%	63.7%	88.0%
Major Crops (*), October 29, 2019	95.1%	86.7%	78.8%	72.9%	59.1%	80.9%
All Crops, October 30, 2018	95.5%	95.9%	96.1%	87.2%	94.2%	94.7%
All Crops, November 1, 2016	96.3%	70.0%	67.9%	55.2%	79.3%	76.0%

Source: AF/AFSC Crop Reporting Survey

Regional grading is greatly variable across the province, as crop quality over the season has been impacted by hail damage, severe frost and harvest date in different regions. Provincially, about 74 per cent of hard red spring wheat and 83 per cent of durum wheat are graded in the top two grades. About 34 per cent of barley is eligible for malt and 47 per cent graded as No. 1 feed. For oats, about 56 per cent is graded in the top two grades. Almost 78 per cent of canola is graded as No. 1, with another 14 per cent as No. 2. For dry peas, about 21 per cent is graded as No. 1, 52 per cent as No. 2, 19 per cent as No. 3 and eight per cent as feed.

Similarly, yields have been variable across the province, due to dry conditions in the southern parts of the province and wet conditions in other parts. Final estimates of dryland yield indices suggest that yields are on par with the 5-year averages, while they are estimated six per cent above the 10-year averages (See Table 2). The provincial average yields

for potatoes on dryland and irrigated fields are estimated at 13.9 and 17.8 tons per acre, respectively. Yields for irrigated dry beans and sugar beets are reported at 2,650 pounds per acre and 28.6 tonnes per acre, respectively.

Table 2: Dryland Yield Estimates as of November 5, 2019

	Estimated Yield (bushel/acre)					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat	35.1	58.8	57.2	55.5	50.3	51.8
Durum Wheat	24.9	28.9	---	---	---	25.5
Barley	44.6	85.3	82.5	66.0	59.7	69.4
Canola	32.2	47.4	44.1	39.3	38.1	41.1
Dry Peas	28.0	45.1	41.0	32.9	44.7	37.3
5-year Yield Index	82.1%	110.6%	110.5%	87.4%	105.3%	100.4%
10-year Yield Index	81.8%	118.1%	120.1%	93.8%	110.1%	106.0%

Source: AF/AFSC Crop Reporting Survey

Regional Assessments:

Region One: Southern (Strathmore, Lethbridge, Medicine Hat, Foremost)

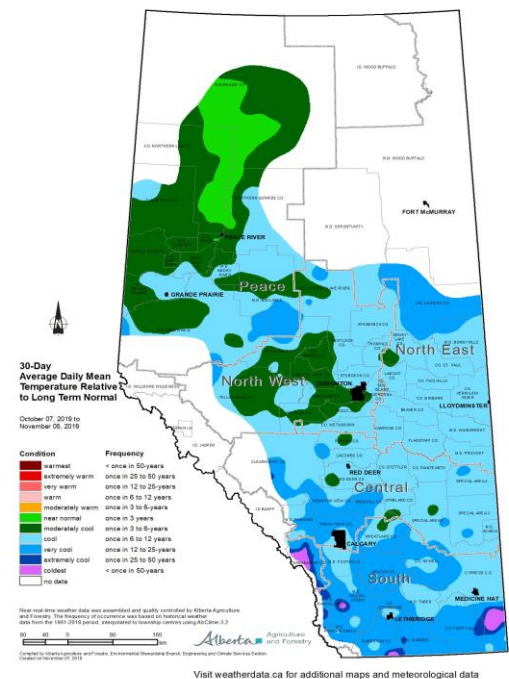
- Minimal harvest progress (two per cent of major crops) was made over the last week, due to snow flurries, rain and cool weather. There have been reports of rejected potatoes and sugar beets by processors, due to frost damage in early October. Some damaged potatoes and sugar beets acres will likely be abandoned.
- Regionally, 97 per cent of crops are in the bin, compared to 96 per cent in both 2016 and 2018. Currently, about two per cent of crops are in swath and another one per cent standing.
- About two per cent of oats and canola, one per cent of spring wheat, 11 per cent of potatoes and 44 per cent of sugar beets are still standing, with another two per cent of oats and spring wheat and three per cent of canola in swath.
- Crop quality for malt barley, the top two grades of spring wheat, durum wheat, oats and dry peas are all above their provincial 5-year averages, while barley No. 1 feed and canola No. 1 are below. About 92 per cent of canola is in the top two grades. This is on par with the provincial 5-year average, with 68 per cent graded as No. 1.

Region Two: Central (Rimbey, Airdrie, Coronation, Oyen)

- Snow and unfavorable conditions prevented producers from completing harvest in the region. Over the past week, producers were only able to combine an additional five per cent of their major crops. With too much snow in fields and frozen ground conditions in most parts of the region, it is likely that harvest has been wrapped up for the year. Any unharvested fields will mainly be swath grazed.
- About 92 per cent of crops are in the bin, compared to 96 per cent in 2018 and 70 per cent in 2016 at this time. Almost five per cent of crops are in swath and another three per cent standing.
- Nearly four per cent of dry peas and three per cent of spring wheat, barley, oats and canola are still standing. Also, five per cent of spring wheat and oats, three per cent of barley and eight per cent of canola are in swath.
- Quality is above the provincial 5-year averages for all harvested crops. The only exceptions are barley No. 1 feed and the top two grades of canola, which are below.

Region Three: North East (Smoky Lake, Vermilion, Camrose, Provost)

- Cool and damp weather made harvest difficult to complete. Even so, harvest progress for major crops advanced nine per cent from a week ago. The majority of grains were harvested as tough and needed to be dried.



- About 87 per cent of crops are in the bin, compared to 96 per cent in 2018 and 68 per cent in 2016 at this time. Almost 10 per cent of crops are in swath and three per cent standing.
- Almost four per cent of spring wheat, two per cent of barley, oats and canola and one per cent of dry peas are standing. Also, six per cent of spring wheat and barley, 15 per cent of oats and 16 per cent of canola are in swath.
- Crop quality for the top two grades of spring wheat and oats are in line with the provincial 5-year averages, with only 20 per cent of spring wheat and 17 per cent of oats graded as No. 1. Only 13 per cent of barley is eligible for malt, with 71 per cent graded as No. 1 feed. For canola, 96 per cent has been graded in the top two grades, which is above the provincial 5-year average. Quality for the top two grades of dry peas are markedly below the provincial 5-year average, with only two per cent graded as No. 1, 45 per cent as No. 2, 35 per cent as No. 3 and 18 per cent feed.

Region Four: North West (Barrhead, Edmonton, Leduc, Drayton Valley, Athabasca)

- Producers in this region benefited from relatively good harvest conditions over the past week and were able to significantly advance harvest by an additional 20 per cent. However, cold weather and snowfall have halted harvest and more snow in the forecast, may suggest an end to the 2019 harvest season.
- With almost 93 per cent of crops in the bin, harvest progress in the region is ahead of both 2016 (55 per cent) and 2018 (87 per cent) at this time. Almost four per cent of crops are in swath and three per cent standing.
- About three per cent of spring wheat and barley, four per cent of oats and one per cent of canola are standing. Also, one per cent of spring wheat, three per cent of barley, two per cent of oats and seven per cent of canola have been swathed.
- Quality for all crops are below their provincial 5-year averages, with the exception for canola No. 1, which is slightly above average. About 92 per cent of canola is graded in the top two grades, with 82 per cent graded as No. 1. About 68 per cent of spring wheat is graded as No. 2 or better, with 11 per cent graded as No. 1. Only seven per cent of barley is eligible for malt and 31 per cent graded as No. 1 feed. For oats, 19 per cent is graded in the top two grades. None of the harvested dry peas in this region graded as No.1, while 18 per cent graded as No. 2, 57 per cent as No. 3 and 25 per cent as feed.

Region Five: Peace River (Fairview, Falher, Grande Prairie, Valleyview)

- Producers in some counties were able to combine an additional four per cent of crops over the past week, as cold weather, rain and snow in other counties halted harvest.
- With only 63 per cent of crops in the bin, harvest progress in the region is behind both 2016 (79 per cent) and 2018 (94 per cent) at this time. Almost 14 per cent of crops are in swath and 23 per cent standing.
- In this region, 38 per cent of spring wheat, 44 per cent of barley, 35 per cent oats, 13 per cent of canola and 12 per cent of dry peas are still standing, while one per cent of spring wheat and barley, three per cent of oats and 27 per cent of canola are in swath.
- Quality for harvested barley No. 1 feed is above the provincial 5-year average, with 20 per cent of barley eligible for malt and in line with the average. About 33 per cent of harvested spring wheat is graded as No. 1, and 20 per cent as No. 2, which are below the provincial 5-year averages. Quality for harvested canola is also below the provincial 5-year average, with 73 per cent graded as No. 1 and 15 per cent as No. 2. None of the harvested dry peas in this region graded as No.1, while 85 per cent graded as No. 2, 10 per cent as No. 3 and five per cent as feed.

Contacts

Alberta Agriculture and Forestry
Economics and Competitiveness Branch
Statistics and Data Development Section
November 8, 2019

Ashan Shooshtarian
Crop Statistician
Phone: 780-422-2887
Email: ashan.shooshtarian@gov.ab.ca

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Alberta Crop Report



Crop Conditions as of November 12, 2019

More snowfall over the past week practically brought harvest to a halt, with a marginal harvest progressing up 0.2 per cent for all crops across the province. Forecast for the next couple of weeks for some areas suggest some warming temperatures which will encourage snow melt, but it is unlikely to significantly advance any harvest progress, as the fields are already wet. The map (shown on the next page) for snow pack water equivalent in stubble fields suggests that there is 5-20 mm of snow pack water equivalent in the Southern Region, the eastern half of the Central Region as well as the southern, central and eastern parts of the North East Region. For the western half of the province, there was even more precipitation. More specifically, in the western parts of the Central Region, the North West Region and the northern parts of the North East Region, snow pack water equivalent is estimated at 20 mm and increasing up to 50 mm towards the west. Snow pack water equivalent is variable across the Peace Region, ranging from 5-10 mm in the northern parts, 15-40 mm in the central parts and 40 to in excess of 70 mm in the southern parts. Considering the amount of snow in the fields, and especially, in the Peace Region, which is the most behind, it would be unlikely that producers can finish harvest before next spring.

Provincial harvest progress remained unchanged from a week ago (November 5) at 89 per cent for all crops in the bin, compared to 81 per cent at this time in 2016 (See Table 1). Regionally, about three per cent of all crops in the Southern Region, eight per cent in the Central, 13 per cent in the North East, seven per cent in the North West and 35 per cent in the Peace remain unharvested.

Table 1: Estimates of Crop Harvest Progress as of November 12, 2019

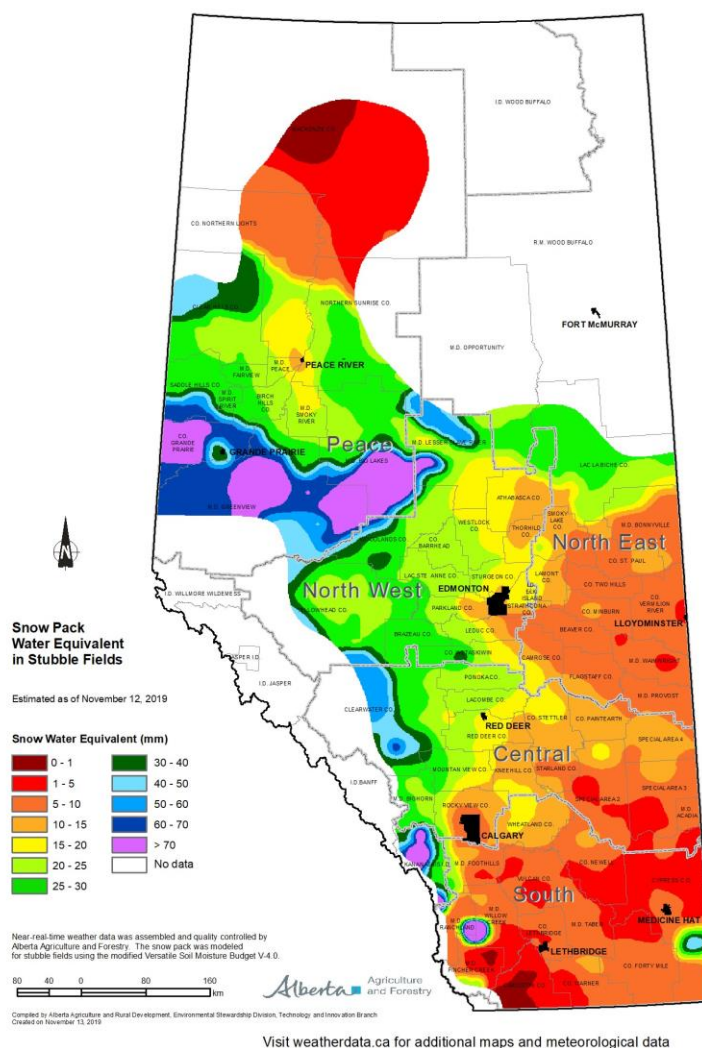
	Per cent of Crops Combined					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat*	97.0%	92.4%	90.6%	95.2%	63.4%	89.7%
Durum Wheat	99.1%	99.6%	---	---	---	99.1%
Winter Wheat	100.0%	100.0%	100.0%	---	---	100.0%
Barley*	98.4%	94.7%	92.9%	93.4%	55.2%	93.1%
Oats*	97.1%	92.0%	82.9%	93.6%	63.2%	85.1%
Fall Rye	100.0%	100.0%	100.0%	---	---	100.0%
Triticale	100.0%	99.8%	---	---	---	99.8%
Canola*	94.7%	89.1%	81.8%	91.5%	62.3%	83.2%
Dry Peas*	100.0%	96.1%	99.1%	99.5%	88.2%	96.8%
Lentils	100.0%	100.0%	---	---	---	100.0%
Chickpeas	100.0%	100.0%	---	---	---	100.0%
Flax	96.3%	71.2%	98.0%	---	---	90.0%
Potatoes	88.7%	100.0%	---	98.0%	---	89.8%
All Crops, November 12, 2019	97.2%	92.4%	87.3%	93.0%	65.0%	89.1%
Major Crops (*), November 12, 2019	97.1%	92.1%	87.5%	93.5%	65.3%	88.3%
All Crops, November 5, 2019	97.2%	92.3%	87.1%	93.0%	63.4%	88.9%
Major Crops (*), November 5, 2019	97.0%	92.0%	87.3%	93.7%	63.7%	88.0%
Major Crops (*), November 8, 2016	99.3%	81.9%	71.3%	60.1%	80.1%	81.3%

Source: AF/AFSC Crop Reporting Survey

Regional Assessments:

- There was no harvest activity in the **Southern Region**, as more snow and cooler weather over the past week kept harvest at a standstill. About two per cent of crops are in swath and another one per cent standing. About 44 per cent of sugar beets and 11 per cent of potatoes in this region are still standing and will be abandoned and unharvested.

- Harvest progress in the **Central Region** was a marginal 0.1 per cent over the past week, as additional snow and unfavorable weather paused harvesting operation. Almost five per cent of crops in the region are in swath and another three per cent standing.
- While snow halted harvest operations in most parts of the **North East Region**, some harvesting was done, allowing for a marginal harvest progress of 0.3 per cent. In the region, almost 10 per cent of crops are in swath and three per cent still standing.
- In the **North West Region**, there was no harvest progress, due to snow. Almost four per cent of crops in the region are in swath and three per cent remain standing.
- In the **Peace Region**, precipitation in form of snow or rain halted harvest in most counties. Even so, in some counties, relatively descent conditions allowed harvest progress to advance by 1.6 per cent, with a little more wheat and canola combined in this region. Currently, the region has about 14 per cent of crops in swath and 21 per cent standing.



Contacts

Alberta Agriculture and Forestry
Economics and Competitiveness Branch
Statistics and Data Development Section
November 15, 2019

Ashan Shooshtarian
Crop Statistician
Phone: 780-422-2887
Email: ashan.shooshtarian@gov.ab.ca

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Farmers could help solve the climate crisis—we just don't invest in them



By [David Perry](#) October 25, 2019
CEO, Indigo Ag

When the first [Intergovernmental Panel on Climate Change \(IPCC\) land use report](#) was released by the United Nations in 2000, cities like Copenhagen and countries like Costa Rica did not have public decrees to become carbon neutral.

You couldn't yet offset your Lyft ride [by a nominal fee](#), because there was no such thing as Lyft, or such a thing as mobile applications – at least not as we understand them today. And Tesla, the first company to offer a fleet of luxury electric cars, would not be founded for another three years.

As societies, our climate perspectives have changed considerably since then, when a UN climate report was more or less a stand-alone warning. Now the world watches as students walk out of classrooms en masse, calling for better climate policies. Narratives like [An Inconvenient Truth](#), [Drawdown](#), and [Six Degrees](#) have made their way into popular discourse.

There's still much, much more to be done, of course. But in the past 19 years, policies have become more rigorous, scientific insights more profound, consumers more aware, and technologies more advanced.

We are also now in a position to leverage one of the most significant carbon sinks available to us: agricultural soils.

[Regenerative growing practices](#), which avoid tilling and minimize soil erosion, have the potential to store a significant portion of carbon in the soil, while improving the nutrition in our food.

Many farmers are already implementing these practices today.

In the United States—which, notably, is the [second largest](#) carbon emitter in the world—[24% of farmers](#) use diverse crop rotations already. In 2016, [21%](#) of all cultivated US

cropland was subject to no-till farming. For other regenerative practices, an estimated [12% of farms](#) practice residue grazing in the country's corn belt; [8%](#) of US farmers planted cover crops in 2017; [6%](#) use nitrogen management programs.

Individually, each of these practices improve soil health and lead to greater carbon capture. But for maximum impact, and for regenerative farming to fulfill its incredible potential, all of these practices should be implemented simultaneously.

How does it work?

Photosynthesis is the operative mechanism here, as plants capture carbon dioxide from the air to build their stems, leaves, and roots, and release the remaining carbon deep within the ground. Carbon enriched soils have demonstrated greater resilience to floods and droughts – some of the most detrimental effects of climate change.

They also yield crops with higher nutritional content and [less pesticide residue](#). Carbon, [up to 15 tons of it per acre per year](#) according to the USDA, can stay locked in the earth as long as regenerative practices are maintained—like the carbon trapped for millions of years in the Arctic's permafrost—an extreme, but accurate, analogy.

To be clear, I am not suggesting a singular focus on agricultural soil is *the* solution to climate change – no one method, technology, or mode of research is. We still need to drastically cut emissions. But as studies and reports warn, reductions alone are not going to be enough.

If we pair capturing and storing atmospheric carbon dioxide with reducing our emissions, we have cause for real hope of bending the arc of climate change.

The challenge is that we need to transition land management at scale to drive a significant amount of carbon into soils. And as economic incentives are structured today, this will be far easier said than done.

Dirt and money

The natural mechanism of removing carbon dioxide from the atmosphere is already available to us. We're not waiting on any technological breakthroughs or major discoveries; we know that regenerative growing practices pull carbon dioxide from the atmosphere and store it in the soil.

But we do need to create the financial incentives for enough farmers to change their practices. A sustainable funding system that pays farmers to change their practices at scale is necessary to make a difference fast enough for us to back away from the climate cliff.

Today, the average farmer in the United States makes less than \$40 per acre.

If farmers provide the societal benefit of removing atmospheric carbon dioxide by adopting regenerative practices, it seems reasonable that they should be compensated for their effort by those of us who benefit—whether we are consumers, corporations, nonprofits or governments. By devising an effective funding system to make it well worth farmers' efforts, regenerative growing practices can become the most immediate, affordable, and scalable way to remove carbon dioxide from the atmosphere.

They also offer a way to rejuvenate an industry. Today, the average farmer in the United States makes [less than \\$40](#) per acre. At \$15 to \$20 per ton of carbon, we could provide a significant economic incentive for farmers to change their practices to ones that sequester carbon. If a farmer captures and stores two to three tons of carbon per acre per year, that represents an additional \$30 to \$60 per acre of bottom-line profit for the farmer, and the potential is much higher.

This rate is much lower than other options to reduce atmospheric carbon dioxide, such as direct carbon capture technologies, [estimated to cost](#) between \$94 and \$232 per ton

Until recently there hasn't been a significant amount of funding available to pay growers to sequester carbon. While some programs have paid farmers for implementing regenerative practices, none have put a price on a unit of stored carbon. Naming a price is a start.

The rollout

When Indigo launched [The Terraton Initiative](#) in June, farmers demonstrated their willingness to harness this potential: [nearly 9.5 million acres](#) of farmland applied for inclusion within just the first 100 days. The response shows that at \$15 per ton of carbon sequestered (the price at which Indigo has set the market) growers are willing to transition toward regenerative practices.

We have overcome a lot of barriers that once made it impossible to scale the potential of carbon drawdown in agricultural soils.

We can now measure the amount of carbon in soil at scale and at an affordable price, using a combination satellite imagery and remote sensors to monitor carbon sequestration, enabled by machine learning and artificial intelligence.

Farmers have traditionally relied on fertilizers and chemicals to maintain yields. But advances in microbiology and data science now give farmers more options to replace many of those synthetic inputs with natural means. Aggregating data on these new technologies and getting useful information to the farmers themselves is a critically important step in transitioning our agricultural sector.

Drawdown potential

We can affordably scale regenerative practices to the 12 billion acres of farmland and pastureland across the world and draw down more than 1 trillion tons of carbon dioxide from the atmosphere into agricultural soils.

For now, we're starting with US farmers, but there is growing interest worldwide.

Increasingly companies, foundations and non-profits, governments, and consumers themselves are seeking to offset their carbon footprints, and more say they are willing to invest. As we've seen, even 2020 presidential candidates are proposing ways to [pay farmers for this service](#).

I'm not saying global adoption of these agricultural methods will be easy—success will require active participation from farmers, consumers, governments and organizations.

And that shouldn't come as a surprise. Solving climate change – the greatest environmental threat of our time – isn't a simple mission. Even with all of the technological ingenuity we've seen since the first IPCC land use report—from electric vehicles to renewable energy innovations—progress has focused only on reducing our emissions, when in reality, at this point, we need to remove carbon dioxide from the atmosphere.

Solving climate change requires an immediate, affordable, and scalable systems change. Paying farmers to sequester carbon is a critical part of that change.

New tool on the way for canola growers safeguards against blackleg

Saltro is a new seed treatment to control blackleg at the seedling stage expected to be available for the 2021 growing season



By [Allan Dawson](#)
Reporter

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Signs of blackleg in a canola seedling. *Photo: Canola Council of Canada*

A new fungicide to protect canola seedlings from blackleg, a major yield-robbing disease, could be available as a seed treatment for the 2021 growing season.

It's called Saltro and was developed by Syngenta.

"Syngenta anticipates registration in time to make it available for use in the 2021 growing season," Sarah Osborne, company marketing operations manager, said in an email Oct. 8.

While Saltro-treated canola will potentially increase yields, especially compared to canola infected with blackleg, it will also reduce blackleg inoculum, reducing the risk to future canola crops, and help extend the life of blackleg-resistance genes used to protect canola against the disease, according to Syngenta and industry experts.

Why it matters: Blackleg, which can cut canola yields in half, is on the rise in Western Canada. While some canola varieties are resistant to the disease, that resistance is no longer working in some fields.

The United States Environmental Protection Agency registered Saltro Sept. 6, 2019 as a canola seed treatment to control seedborne and airborne blackleg caused by *Leptosphaeria maculans*, Osborne wrote.

Saltro is also registered in the U.S. to control sudden death syndrome, early-season septoria brown spot and plant parasitic nematodes in soybeans.

“I think this is going to be a great tool,” Ted Labun, Syngenta’s seedcare technical lead for Western Canada, said earlier this fall, during a presentation in Winnipeg on Saltro.

“It’s not a silver bullet,” he said later in an interview. “But it’s part of an integrated approach with blackleg.”

Local testing

One Manitoba plant pathologist agrees. Dilantha Fernando, of the University of Manitoba, has been testing the fungicide along with graduate student Rasanie Padmathilake.



He says the product will benefit farmers.

Dilantha Fernando. photo: Allan Dawson

“One of the key things we’ve learned with the research we’ve done is the early infection has a much greater impact on the yield,” Fernando said in an interview after making a presentation on Saltro. “So if that initial infection can be controlled or managed... that would be really good for the farmer.”

There are two main types of blackleg in Western Canada. *L. maculans* is the most virulent.

It's also the strain that infects canola at the cotyledon to four-leaf stage.

The earlier canola is infected, the higher the potential yield loss. Infected plant stems are girdled by cankers, blocking water and nutrients from moving through the plant.

The disease also weakens the stem and sometimes plants fall over.

Research has shown Saltro seed-treated canola results in much less blackleg inoculum. That's an important benefit, Fernando said.

"I think that's the key to this type of product," he said. "Where you are reducing the pathogen inoculum, you're reducing the opportunity for the pathogen to break down the resistance genes and even though you may not see a huge increase in the yield you're overall managing your field with reduced blackleg (inoculum), which would contribute to one of the trade issues that we have because one of the key trade issues is looking at reducing the inoculum as much as possible in Canadian fields."

In March China stopped importing Canadian canola seed complaining it was contaminated with blackleg. China has raised similar concerns before.

"When it comes to discussions at the scientific level, and even the diplomatic level, I think the message that the Canadian side needs to take is that we have done our due diligence and this is another management tool for blackleg reduction that is going to be to our advantage as our customers see we are doing the right thing," Fernando said.

Tool needed

Blackleg seed treatment is the "missing link," in blackleg management, Canola Council of Canada agronomy specialist Justine Cornelsen, said in an interview.

Asked if Saltro, and another blackleg seed treatment expected from another company could be a game changer she replied: "Yes, because we don't have anything right now. If that major gene within the variety is not effective (in preventing blackleg), you've got no baseline protection. So this is just another thing to pair with your strong major gene and a quantitative background to that variety and then have this protection at that cotyledon stage."

The canola industry is going to have to figure out how best to use Saltro, she added. Should it be on all canola seed or only used on acres where blackleg resistance has broken down?



Justine Cornelsen. photo: Allan Dawson

“It’s trying to find the perfect fit for it because ideally we want it to last,” Cornelsen said. “We want to keep the sustainability of it going in the future. We have research projects on that now.”

Saltro’s impact on canola yield is also being assessed. Some yield comparisons have been done with untreated Westar, an old variety with almost resistance to blackleg.

“We need to be testing on these labelled resistant varieties,” Cornelsen said.

“That’s what I would like to see tested because that’s what we’re seeing in the field landscape.”

Blackleg is a stubble-borne disease.

“The way we grow (canola) every second year... is actually targeting for peak spore release in blackleg,” she said. “It’s about 16 months later, which puts you at the spring of the next canola crop is when that old canola stubble is producing the most amount of spores. That’s probably why we’ve seen an increase (in disease) this last little bit.”

Planting canola only once every four years greatly reduces the potential for blackleg infection, Cornelsen said. But because farmers believe they can make more money growing canola, many push the rotation.

An Agriculture and Agri-Food Canada study showed “longer rotations paid off, in the end, but you don’t see that year in and year out,” she said.

Part of the reason is new varieties are higher yielding, masking the damage from blackleg.

The best way to manage blackleg is an integrated approach, Cornelsen added. That includes crop rotation, growing resistant varieties, and in future, treating canola seed with fungicides that control blackleg, she said.