



REGULAR AGRICULTURAL SERVICE BOARD MEETING AGENDA

Wednesday, June 24, 2020

9:30 AM

Council Chambers
Administration Building

#1	CALL TO ORDER	
#2	ADOPTION OF AGENDA	1
#3	MINUTES	3
	3.1 Regular Agricultural Service Board Meeting minutes held Wednesday, October 30, 2019 to be adopted.	
	3.2 Business Arising from the Minutes	
#4	DELEGATION	7
#5	BUSINESS	9
	5.1 Veterinary Services Inc. (VSI) Species Covered	
	5.2 Agricultural Disaster Area Declaration	11
	5.3 Manager's Report	14
#6	MEMBERS REPORTS/EXPENSE CLAIMS	
	<ul style="list-style-type: none">• Chairman Warren Wohlgemuth• Member Mark Pellerin• Reeve Dale Smith• Councillor Bill Smith• Member Richard Brochu• Member Stephen Lewis• Member Larry Smith	
#7	CORRESPONDENCE	
	<ul style="list-style-type: none">• Crop Conditions as of May 26, 2020• Crop Conditions as of June 9, 2020• \$40 Million Funding Opportunity• \$40 Million for Food, Farming and Forestry• Moisture Situation as of May 23, 2020	

- Moisture Situation as of June 8, 2020
- Moisture Situation as of June 16, 2020
- Alberta Deregulates Fusarium
- Helping Alberta
- Fusarium Survey
- ASB Call for Nominations
- Overview – Ag Industry Advisory Committee
- County of Northern Lights – Intermunicipal Weed and Pest Appeal Board
- Thorhild County – State of Agricultural Disaster and Proposed Assistance

#8 ADJOURNMENT

Minutes of a
REGULAR AGRICULTURAL SERVICE BOARD
MUNICIPAL DISTRICT OF GREENVIEW NO. 16
Greenview Administration Building,
Valleyview, Alberta, on Wednesday, April 29, 2020

1:
CALL TO ORDER Chairman Warren Wohlgemuth called the meeting to order at 9:35 a.m.

PRESENT	A.S.B. Member – Chair	Warren Wohlgemuth
	A.S.B. Member – Vice-Chair	Stephen Lewis
	A.S.B. Member – Reeve	Dale Smith
	A.S.B. Member – Councillor	Bill Smith
	A.S.B. Member	Richard Brochu
	A.S.B. Member	Larry Smith

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

ABSENT	Manager, Agriculture Services	Quentin Bochar
	A.S.B. Member	Mark Pellerin

#2:
AGENDA MOTION: 20.04.28. Moved by: REEVE DALE SMITH
That the Agricultural Service Board adopt the April 29, 2020 Regular Agricultural Service Board Meeting Agenda with the following additions;
 5.4 Policy Discussion – Rental Equipment
 5.5 Fire Area

CARRIED

#3.1 REGULAR
AGRICULTURAL
SERVICE BOARD
MEETING MINUTES MOTION: 20.04.29. Moved by: MEMBER LARRY SMITH
That the Agricultural Service Board adopt the minutes of the Regular Agricultural Service Board Meeting held on Wednesday, March 25, 2020 as presented.

CARRIED

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

The Agriculture Service Board inquired on the letter that the board requested be sent to the Minister of Agriculture regarding Fusarium graminearum. Administration responded that the letter has been sent to Minister Devin Dreesen and cc'd to MLA Todd Loewen and MD Greenview Council.

#4.0
DELEGATION

4.0 DELEGATIONS

There were no delegations present.

DEADSTOCK
DISPOSAL FOR
ACREAGE OWNERS

MOTION: 20.04.30. Moved by: COUNCILLOR BILL SMITH
That the Agricultural Service Board direct Administration to research policy on deadstock disposal for acreage owners.

CARRIED

#5
BUSINESS

5.0 BUSINESS

5.1 SMOKY APPLIED RESEARCH AND DEMONSTRATION ASSOCIATION (SARDA) CONDITIONAL GRANT

SARDA
CONDITIONAL
GRANT

MOTION: 20.04.31. Moved by: REEVE DALE SMITH
That the Agricultural Service Board accept the request from SARDA to utilize the 2020 calendar year grant without requested conditions applied.

CARRIED

5.2 VETERINARY SERVICES INCORPORATED (VSI) – ADDITION OF BEES

VSI – ADDITION OF
BEES

MOTION: 20.04.32. Moved by: REEVE DALE SMITH
That the Agricultural Service Board recommend to Council that Policy AG12 Veterinary Services Incorporated include bees as an eligible species.

CARRIED

VSI CONTRACT
RENEGOTIATION

MOTION: 20.04.33. Moved by: VICE-CHAIRMAN STEPHEN LEWIS
That the Agricultural Service Board recommend to Council that Administration renegotiate the contract between VSI Services and Greenview to reflect the addition of bees as an eligible species.

CARRIED

Chair Warren Wohlgemuth recessed the meeting at 10:31 a.m.

Chair Warren Wohlgemuth reconvened the meeting at 10:45 a.m.

5.4 AG RENTAL POLICY AG09

POLICY AG09 –
RENTAL
EQUIPMENT

MOTION: 20.04.34. Moved by: REEVE DALE SMITH
That Agricultural Service Board receive the information on AG Rental Policy AG09 as presented.

CARRIED

5.5 FIRE PROTECTION AREA

FIRE PROTECTION AREA

MOTION: 20.04.35. Moved by: REEVE DALE SMITH
That the Agricultural Service Board receive the provincial fire ban for information as presented.

CARRIED

MANAGERS REPORT

5.3 MANAGERS' REPORT

MOTION: 20.04.36. Moved by: REEVE DALE SMITH
That the Agricultural Service Board accept the Managers' report as presented.

CARRIED

#6 MEMBERS' BUSINESS & REPORTS

6.0 MEMBERS' BUSINESS & REPORTS

CHAIRMAN WARREN WOHLGEMUTH updated the Agriculture Service Board on his recent activities, which Include;

- None to report

VICE-CHAIR STEPHEN LEWIS updated the Agriculture Service Board on his recent activities, which Include;

- None to report

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

- None to report

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

- None to report

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

- None to report

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

- None to report

MEMBER MARK PELLERIN was unavailable to give his report.

**ASB MEMBERS
REPORTS**

MOTION: 20.04.37. Moved by: MEMBER LARRY SMITH
That the Agricultural Service Board accept the Members reports as information.
CARRIED

**#7
CORRESPONDENCE**

7.0 CORRESPONDENCE

**ASB
CORRESPONDENCE**

MOTION: 20.04.38. Moved by: VICE-CHAIRMAN STEPHEN LEWIS
That the Agricultural Service Board accept the correspondence as presented.
CARRIED

**#8
ADJOURNMENT**

9.0 ADJOURNMENT

MOTION: 20.04.39. Moved by: REEVE DALE SMITH
That this Agricultural Service Board meeting adjourn at 11:57 p.m.
CARRIED

MANAGER, AGRICULTURE SERVICES

ASB CHAIRMAN



SUBJECT: **Grain Entrapment Presentation**
SUBMISSION TO: AGRICULTURAL SERVICES BOARD
MEETING DATE: June 24, 2020
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 Agriculture Service Board accept the presentation from Greenview Protective Services.

BACKGROUND/PROPOSAL:
Protective Services Regional Fire Chief Wayne Brown will be presenting information regarding a grain entrapment training session on Aug 7-9, 2020 in DeBolt that the public can observe.

BENEFITS OF THE RECOMMENDED ACTION:
1. There are no perceived disadvantages to the recommended motion.
The benefit of ASB accepting the recommended motion is that the ASB will be aware of what type of training that members of the fire service will be receiving in regards to grain entrapment.

DISADVANTAGES OF THE RECOMMENDED ACTION:
1. There are no perceived disadvantages to the recommended motion.

ALTERNATIVES CONSIDERED:
Alternative #1: Council has the alternative to not accept the recommended motion for information.

FINANCIAL IMPLICATION:
Direct Costs: N/A
Ongoing / Future Costs: N/A
There are no financial implications to the recommended motion.

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:

There are no follow up actions to the recommended motion.

ATTACHMENT(S):

N/A



SUBJECT:	Veterinary Services Inc. (VSI) Species Covered		
SUBMISSION TO:	AGRICULTURAL SERVICES BOARD	REVIEWED AND APPROVED FOR SUBMISSION	
MEETING DATE:	June 17, 2020	CAO:	MANAGER: QFB
DEPARTMENT:	AGRICULTURE	GM:	PRESENTER: QFB
STRATEGIC PLAN:	Level of Service		

RELEVANT LEGISLATION:

Provincial (cite) – N/A

Council Bylaw/Policy (cite) – N/A

RECOMMENDED ACTION:

MOTION: That the Agricultural Service Board (ASB) recommend to Council that Greenview add Bison (*Bison bison*) and Honey Bees (*Apis mellifera*) as species covered under the VSI agreement.

BACKGROUND/PROPOSAL:

Greenview is one of a group of jurisdictions that belong to Veterinary Services Inc. (VSI) to help cover the cost of veterinary services in its jurisdiction. The agreement cover services for bovine (cattle), porcine (pigs), caprine (goats), and ovine (sheep) species. Some jurisdictions also cover alternative livestock species (e.g. elk, bison, deer, etc.).

The local governing committee (Council) has to vote on adding a species to the existing coverage. The request is then forwarded by Rik Vandekerkhove (VSI Manager) who will then present it at the VSI AGM for the Board of Directors to vote on for inclusion into that jurisdictions coverage.

BENEFITS OF THE RECOMMENDED ACTION

1. The benefit of the Agriculture Service Board (ASB) accepting the recommended motion is that two additional species of livestock will be eligible for coverage under the VSI agreement.

DISADVANTAGES OF THE RECOMMENDED ACTION:

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

ALTERNATIVES CONSIDERED:

Alternative #1: The Agricultural Service Board has the alternative to consider not approving the recommendation. This is not a recommended course of action from administration. There has been requests for providing coverage for both species.

FINANCIAL IMPLICATION:

There are no new financial implications to the recommended motion, as VSI funding is already budgeted for in the Agriculture 2020 Operating Budget.

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 governing committee makes a decision the VSI policy AG12 will be updated to incorporate the changes.

ATTACHMENT(S):

N/A



SUBJECT: **Agricultural Disaster Area Declaration**

SUBMISSION TO: AGRICULTURAL SERVICES BOARD

MEETING DATE: June 24, 2020

DEPARTMENT: AGRICULTURE

STRATEGIC PLAN: Level of Service

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 declare Greenview as an Agricultural Disaster Area for 2020.

BACKGROUND/PROPOSAL:

On June 9, 2020 Thorhild County and Athabasca declared an Agricultural Disaster. Citing the current conditions as justification for bringing awareness to the plight of the producers in the area, and asking the Alberta Government to implement a 2020 Agriculture Disaster Recovery Program.

Excessive moisture conditions in the past couple of years, coupled with spring thaw flooding and present day rainfall has again caused severe impacts to the regions agriculture community and our municipality. The consequences of overland flooding within Greenview has resulted in:

- Partial inability to complete 2019 harvest
- Partial inability to complete 2020 seeding
- Loss of 2020 seeded acres
- Pastureland hay crops under water
- Livestock displacement
- Infrastructure being affected; and
- Impacts to our local businesses

Concern is not only with the economic losses for 2020 but also into 2021. 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 harvesting crops and seeding crops, is the loss of or reduction in secondary incomes due to Covid-19.

BENEFITS OF THE RECOMMENDED ACTION:

The benefit of the Agricultural Service Board accepting the recommended motion is to show support to the agricultural producers of Greenview.

DISADVANTAGES OF THE RECOMMENDED ACTION:

There are no perceived disadvantages to the recommended motion

ALTERNATIVES CONSIDERED:

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

FINANCIAL IMPLICATION:

Direct Costs: N/A

Ongoing / Future Costs: N/A

There are no financial implications to the recommended motion.

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 Council makes a decision, if it is positive then the appropriate letters and news releases will be sent out to the Government and the public.

ATTACHMENT(S):

N/A

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

For the Period: April 2020 – June 24, 2020

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

Weeds	42
Pests	35
Trees	8
Workshops	3
Wetlands	1
Rentals	206
Equipment Purchasing	2
Extension	6
Employment	5
VSI	15
Beautification	6
Miscellaneous	107
TOTAL ENQUIRIES	436

MEETINGS / CONFERENCES / TRAINING

Manager Agriculture Services

- May 12, 2020 – Back at work
- June 9, 2020 - Community Services Managers meeting – Grande Cache
-

Asst. Manager Agriculture Services

- June 1, 2020 – Seasonal staff start
- June 3, 2020 – Staff orientation and training

Agriculture Supervisor Trainee Agriculture Services

- May 21-22, 2020 – Went to Grande Cache for staff training
- May 26, 2020 – Herbicide 101 webinar
- May 26, 2020 – Legislation webinar
- May 28, 2020 - Proper PPE webinar
- June 1, 2020 - Seasonal staff start
- June 4, 2020 – AG Mobile Training

GC Beautification Coordinator Agriculture Services

- June 1, 2020 – Returned to work
- June 25, 2020 – Health & Safety Committee Meeting – Grande Cache

STAFFING

We currently have five Vegetation Management Techs working in Valleyview, 7 Beautification Techs and one Weed Inspector working in Grande Cache, 6 weed inspectors in Valleyview, 2 weed inspectors in Grovedale, and the rental coordinator/yardman in Valleyview.

RESOURCES, EQUIPMENT, AND FACILITIES

The Agriculture Department is approximately 90% moved over to the new facility and yard. The Agriculture department has also moved into the building labeled as the old, old fire hall up by the Operations building in Grande Cache.

BUDGET

N/A at this time

EXTENSION EVENTS

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

- Canning and Food Preparation, Valleyview – September 6, 2020
- Canning and Food Preparation, Grande Cache – September 9, 2020

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):

- PCBFA has a morning plot tour at their site in DeBolt on August 16, 2020.

PROGRAMS

➤ **VETERINARY SERVICES INCORPORATED**

Six (6) new cards have been issued.

PEST AND NUISANCE CONTROL

To date, 69 wolves have been presented for payment. Total 2020 incentive expenditures: \$20,700.00

YEAR	WOLVES	AMOUNT
2018	90	\$27,000.00
2019	56	\$16,800.00
2020	69	\$20,700.00
Total	214	\$64,500.00

WOLF PREDATION MANAGEMENT PROGRAM

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

Staff 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 0 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.

Staff 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 0 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.

WILD BOAR BOUNTY

The wild boar program has ended as of March 2020.

Education Opportunities

N/A

➤ **RENTAL EQUIPMENT**

Rentals is very busy at this time of year dependent on the weather, there have been 126 pieces of Equipment rented for 2020.

Rental Equipment YTD				
LOC	Equipment	Total Days	Cost/Day	Total Charges
VV	1000 Earth Mover		\$200.00	\$0.00
CC	1000 Earth Mover		\$200.00	\$0.00
GD	1000 Earth Mover		\$200.00	\$0.00
VV	12' Pull Type Blade	6	\$50.00	\$300.00
VV	Vee Ditcher		\$50.00	\$0.00
VV	Backpack Sprayer		\$5.00	\$0.00
CC	Backpack Sprayer		\$5.00	\$0.00
GD	Boomless Sprayer (300G)		\$20.00	\$0.00
VV	Boomless Sprayer (500G)	2	\$20.00	\$40.00
VV	Estate Sprayer - 3Pt Hitch		\$20.00	\$0.00
VV	Estate Sprayer - Pull Type		\$20.00	\$0.00
CC	Field Sprayer (300G)		\$50.00	\$0.00
VV	Field Sprayer (500G)	2	\$50.00	\$100.00
GD	Field Sprayer (500G)		\$50.00	\$0.00
VV	Granular Pesticide Bait Applicator		\$30.00	\$0.00
VV	Handwick Applicator		Free	-
CC	Handwick Applicator		Free	-
GD	Handwick Applicator		Free	-
VV	Quad Mount Sprayer	6	\$10.00	\$60.00
GD	Quad Mount Sprayer		\$10.00	\$0.00
VV	Quad Wick Applicator		\$10.00	\$0.00
VV	Water Tank Trailer		\$25.00	\$0.00
GD	Water Tank Trailer		\$25.00	\$0.00
VV	Fertilizer Spreader	14	\$100.00	\$1,400.00
VV	Manure Spreader		\$200.00	\$0.00
GD	Manure Spreader		\$200.00	\$0.00
VV	14' Heavy Disk	5	\$250.00	\$1,250.00
GD	14' Heavy Disk		\$250.00	\$0.00
VV	30' Land Roller	8	\$200.00	\$1,600.00
GD	30' Land Roller		\$200.00	\$0.00
GD	33' Heavy Harrow		\$150.00	\$0.00
VV	50' Heavy Harrow	15	\$150.00	\$2,250.00
VV	Burdizzo Clamps		Free	-
VV	Panel Trailer	3	\$25.00	\$75.00
GD	Panel Trailer		\$25.00	\$0.00
VV	Loading Chute	4	\$25.00	\$100.00
CC	Loading Chute	2	\$25.00	\$50.00
GD	Loading Chute		\$25.00	\$0.00
VV	Cattle Squeeze	2	\$25.00	\$50.00
CC	Cattle Squeeze		\$25.00	\$0.00
GD	Cattle Squeeze		\$25.00	\$0.00
VV	Tag Reader		Free	-
VV	Hand Seeder		Free	-
VV	Quad Mount Seeder	4	\$10.00	\$40.00
VV	Seeder - 3PT Hitch		\$15.00	\$0.00
VV	Truck Mount Seeder		\$10.00	\$0.00
VV	Bag Roller	1	\$50.00	\$50.00
VV	Bin Crane		\$100.00	\$0.00
GD	Bin Crane		\$100.00	\$0.00
VV	Grain Vac	4	\$50.00	\$200.00
GD	Grain Vac		\$50.00	\$0.00
VV	Hay Sampler, Measuring Wheel, Bin Probe		Free	-
VV	Survey Equipment	12	\$10.00	\$120.00
VV	No Till Seed Drill	6	\$150.00	\$900.00
VV	Picnic Tables	6	\$10.00	\$60.00
VV	Post Pounder	6	\$125.00	\$750.00
CC	Post Pounder		\$125.00	\$0.00
GD	Post Pounder		\$125.00	\$0.00
VV	Pressure Washer	3	\$50.00	\$150.00
VV	Rodent/Pest Traps	5	\$10.00	\$50.00
VV	Scare Cannon	4	Free	
VV	Water Pump and Pipe Trailer	1	\$250.00	\$250.00
VV	Metal Detector	5	\$10.00	\$50.00
VV	BBQ		\$100.00	\$0.00
VV	Bale Hauler		\$150.00	\$0.00
	Total Revenue	126		\$9,895.00
	Crooked Creek Totals			\$50.00
	Grovedale Totals			\$0.00
	Valleyview Totals			\$9,845.00

➤ **VEGETATION MANAGEMENT**

ROADSIDE VEGETATION MANAGEMENT

The program has sprayed approximately 50 Km (<1%) of Greenview roads for 2020. The areas to be sprayed this year are Wards 1, 2, 6 and 7. Spraying has started in wards 6 and 7.

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 0 Ha requiring approximately 0 hours of spray time (includes: landfill, transfer station sites, private land spraying, fence line program, Grande Cache Coops/Enterprises. Etc.) for 2020.

BRUSH SPRAYING

The program has sprayed approximately 0 Ha of brush for 2020.

HAMLET SPRAYING

The program has sprayed approximately 6 Ha of Parks/Alleyways/Open Spaces for 2020.

PESTICIDE CONTAINER STORAGE

Containers continue to be collected. The recycled jugs will be shredded on a date in August-September

FENCELINE AND PRIVATE LAND SPRAY PROGRAMS

0 agreements have been signed to date for 2020.

SPRAY EXEMPTION AGREEMENTS

162 agreements have been received Deadline of April 30, 2020. Last one was accepted on June 15, 2020.

BUTTERCUP/BURDOCK INCENTIVE PROGRAM

0 agreements have been signed to date for 2020.

WEED CONTROL

White Zone

#	Re- Inspections	Weeds Present	Personal Contact	Phone Calls	Weed Alerts	Weed Warnings	Notices	Enforce
235								

Greenzone

#	Re-	Weeds	Personal	Phone	Weed	Weed	Notices	Enforce
---	-----	-------	----------	-------	------	------	---------	---------

	Inspections	Present	Contact	Calls	Alerts	Warnings		
57								

Hamlets

#	Re-Inspections	Weeds Present	Personal Contact	Phone Calls	Weed Alerts	Weed Warnings	Notices	Enforce
12								

Weed/Pest inspection program is being reviewed and protocols are being set to work around the Covid-19 pandemic.

AG Mobile – Complimentary training session have been offered and utilized for the new documentation program. Greenview has a date set (June 4) for training seasonal staff specifically on this program with MuniSight.

➤ 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. One sample from every LSD was also sent to Dr. Strelkov's laboratory to determine the pathotype of the club root galls for the 2019 season, and the results are below.

Pathotype results:

2017 - 3H

2018 - 3H

2019 – 8A, 8, P3, 3H, 3, P2, 8D, 8, and a new designation (likely 3B). All 13 tested isolates were from pathotypes with no resistance breakdown.

# Inspected	Suspect	Confirmed	Letter to Adjacent Landowners	Phone Calls

SEED CLEANING PLANT

No changes

GC BEAUTIFICATION PROGRAM

- Flowers have been received and planted in the downtown area and parks throughout the hamlet of Grande Cache. Hanging flower baskets have been received and put up as well

- Mowing – First priority grass cutting is up to date and are currently working on lower priority areas.
- Vegetation Control – Spray program has started using Par III for Dandelion control in the boulevards and park areas. Will be rotating between grass cutting and spraying (including hand pulling) to control weed infestations on Greenvue municipal properties.
- Miscellaneous – some of the staff will be attending the Authorized Assistant Course this month

Alberta Crop Report



Crop Conditions as of May 26, 2020 (Abbreviated Report)

By the end of last week, a major weather system brought a significant amount of moisture to many parts of the province and halted both seeding and harvesting operations across the province for a couple of days, depending on the amount of rainfall. The precipitation ranged from less than 5 mm in the northern parts of the Peace Region to over 80 mm through the western and central parts of the North West Region and some parts of the Southern Region (see map).

Seeding was in full swing over the past week before the rain slowed progress. Producers in the North East Region made the most seeding progress at 27 per cent, followed by the North West and Central Regions at 22 and 19 per cent progress, respectively. Seeding progress was lowest in the Southern and Peace Regions, at 14 per cent progress. Provincially, as of May 26, about 80 per cent of crops have been seeded (see Table 1), up 20 per cent of major crops from a week ago and just behind the 5-year average (2015-2019) of 81 per cent. Compared to the 5-year averages, seeding in all regions is ahead, except for the Peace and North West Regions which are still behind.

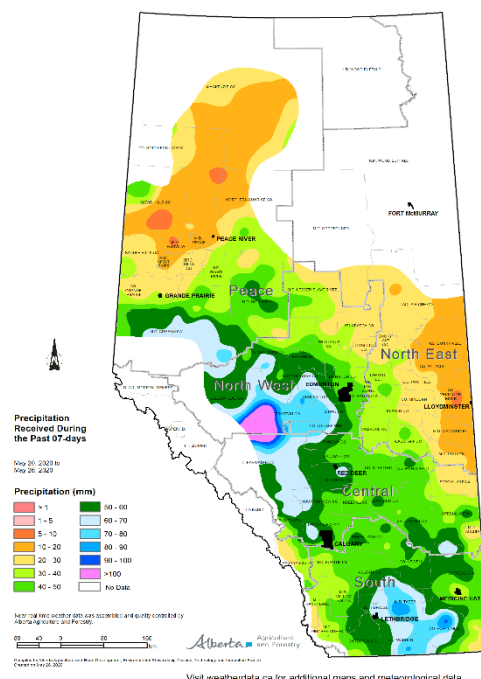


Table 2: 2019 Unharvested Crops as of May 26, 2020

	% of Overwintered Acres Still In Field					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat	0.0%	0.7%	0.6%	8.9%	1.6%	1.6%
Barley	0.0%	0.0%	0.6%	8.7%	1.3%	1.5%
Oats	0.0%	0.0%	1.5%	11.5%	1.5%	4.6%
Canola	0.0%	0.0%	0.4%	5.9%	5.2%	2.2%

Source: AF/AFSC Crop Reporting Survey

Precipitation received since the beginning of the 2020 crop season has improved soil moisture reserves across the province. Currently, compared to both short-term and long-term normals, most fields across the province are in good to excellent condition in terms of soil moisture. Overall, provincial surface soil moisture is rated (sub-surface soil moisture ratings shown in brackets) at 0 (3) per cent poor, 10 (13) per cent fair, 54 (47) per cent good, 32 (36) per cent excellent and 4 (1) per cent excessive (see Table 3). With day length approaching a maximum, evaporation rates should increase, provided there are more sunny and dry days in the forecast. Soil moisture ratings can change quickly.

Table 3: Surface Soil Moisture Ratings as of May 26, 2020

	Poor	Fair	Good	Excellent	Excessive
South	0.0%	15.2%	61.6%	22.3%	0.9%
Central	0.3%	12.7%	57.4%	29.6%	0.0%
North East	0.0%	4.6%	62.7%	29.7%	3.0%
North West	0.0%	5.2%	25.8%	46.8%	22.2%
Peace	0.0%	4.9%	35.7%	52.9%	6.6%
Alberta	0.1%	10.3%	54.0%	31.7%	4.0%
5-year Average	10.0%	24.3%	40.5%	21.2%	3.9%
10-year Average	7.3%	20.7%	43.3%	25.2%	3.5%

Source: AF/AFSC Crop Reporting Survey

Regional Assessments:

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

- All parts of the region received at least 40 mm of rain, with the southern parts receiving up to 100 mm. The rain contributed to germination, boosted soil moisture and improved pasture and tame hay fields conditions.
- Overall, seeding is estimated at 94 per cent completed, up 14 per cent of major crops from a week ago, with about 46 per cent of crops emerged. About 97 per cent of spring wheat, 93 per cent of barley and oats, 90 per cent of canola and 99 per cent of dry peas have been seeded.
- Pasture conditions (tame hay shown in brackets) are rated as 15 (12) per cent fair, 75 (78) per cent good and 10 (10) per cent excellent.
- Fall seeded crops are rated as 1 per cent poor, 15 per cent fair, 66 per cent good and 18 per cent excellent.

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

- The rain in the region ranged from 30 mm in the eastern parts to 70 mm in the western areas. Although the precipitation over the past week slowed seeding progress, it was needed for crop germination, pastures and forages. Harvest of overwintered crops from the 2019 crop season is virtually completed.
- Seeding advanced to 91 per cent completed, up 19 per cent from a week ago, with about 29 per cent of crops emerged. About 93 per cent of spring wheat, 88 per cent of barley, 79 per cent of oats, 91 per cent of canola and 97 per cent of dry peas are reported as seeded.
- Pasture conditions (tame hay shown in brackets) are rated as 1 (1) per cent poor, 22 (15) per cent fair, 71 (78) per cent good and 6 (6) per cent excellent.
- Fall seeded crops are rated as 1 per cent poor, 16 per cent fair, 82 per cent good and 1 per cent excellent.

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

- Most parts of the region received at least 10 mm of rain, with the western parts receiving up to 40 mm.
- Seeding is estimated at 82 per cent completed, up 27 per cent from a week ago, with about 33 per cent of crops emerged. Nearly 90 per cent of spring wheat, 68 per cent of barley, 54 per cent of oats, 77 per cent of canola and almost all dry peas have now been seeded.
- Only less than one per cent of overwintered spring wheat, barley and canola and nearly two per cent of overwintered oats remain in the fields.
- Pasture conditions (tame hay shown in brackets) are rated as 2 (2) per cent poor, 31 (24) per cent fair, 64 (72) per cent good and 3 (2) per cent excellent.
- For fall seeded crops, conditions are reported as 26 per cent fair and 74 per cent good.

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

- Both seeding and harvest progressed well until May 21, when the rain brought all operations to a standstill. Precipitation in the region ranged from 30 mm to over 100 mm in different parts and added moisture to the soil, resulting in saturated fields in some areas. There may be some unseeded acres in the areas with excessive soil moisture.
- Seeding is estimated at 62 per cent completed, up 22 per cent from a week ago, with about six per cent of crops emerged. About 73 per cent of spring wheat, 42 per cent of barley, 35 per cent of oats, 61 per cent of canola and 72 per cent of dry peas are seeded.
- More overwintered crops in the region have been removed from fields through combining or other methods. Currently, about 9 per cent of spring wheat and barley, 12 per cent of oats and 6 per cent of canola are left in the fields. The quality of combined 2019 cereals ranges from 41 per cent of oats rated as good feed to 70 per cent of spring wheat rated as good feed. About 88 per cent of canola is graded at No. 3 Canada or better.
- With warmer temperatures, hay and pasture fields are starting to grow. Pasture conditions (tame hay shown in brackets) are rated as 3 (4) per cent poor, 21 (25) per cent fair, 55 (51) per cent good and 21 (20) per cent excellent.

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

- Over the past week precipitation in the region varied from less than 5 mm in the northern parts to over 80 mm in the southern parts.
- Seeding for the region is now at 47 per cent complete, up 14 per cent from a week ago, with only one per cent emerged. About 45 per cent of spring wheat, 42 per cent of barley, 44 per cent of oats, 46 per cent of canola and 57 per cent of dry peas have now been seeded.
- Producers removed more overwintered crops through combining or other methods over the previous week. There are now two per cent of overwintered spring wheat and oats, one per cent of barley and five per cent of canola left in the fields. The quality of combined 2019 cereals ranges from 81 to 88 per cent good feed, while 88 per cent of canola is graded at No. 3 Canada or better.
- Pasture conditions (tame hay shown in brackets) are rated as 4 (4) per cent poor, 15 (16) per cent fair, 73 (73) per cent good and 8 (7) per cent excellent.

Contact

Alberta Agriculture and Forestry
Economics and Competitiveness Branch
Statistics and Data Development Section
May 29, 2020

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

Note to Users: The contents of this document may not be used or reproduced without properly accrediting AFSC and Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section

Crop Conditions as of June 9, 2020 (Abbreviated Report)

With over 98 per cent of 2020 spring plantings in the ground, attention now shifts to crop development. Provincially, 75 per cent of the crops have emerged (see Table 1), 12 per cent behind the previous five-year average (2015-2019). Regionally, South, Central and North East regions are close to the five-year average. Challenges continue for the northern parts of the province. The cool wet weather that caused seeding delays for much of the spring is now affecting crop development. Forty-one per cent of the spring-seeded crops in the North West have emerged, 41 per cent behind the five-year average. Similarly, in the Peace region, 40 per cent of the spring-seeded crops have emerged, 39 per cent behind the five-year average. An extended period of warm, rain-free days would be welcomed to dry out the ground.

Table 1: Alberta Crop Emergence as of June 9, 2020

	% Emerged					
	South	Central	N East	N West	Peace	Alberta
Spring Wheat	94.6%	88.8%	91.4%	50.2%	40.4%	80.5%
Barley	92.2%	83.1%	72.0%	38.3%	26.4%	75.2%
Oats	91.3%	77.1%	64.4%	29.1%	30.7%	53.0%
Canola	84.8%	84.3%	76.5%	34.6%	36.9%	66.6%
Dry Peas	98.4%	93.7%	97.7%	50.6%	58.4%	85.7%
Average	91.9%	86.3%	82.9%	41.2%	39.9%	74.5%
Last Week	77.7%	66.5%	59.4%	20.6%	13.6%	54.0%
Last Year	96.4%	95.7%	93.2%	98.3%	96.8%	95.7%
5-year Average	92.8%	89.5%	83.8%	81.7%	79.2%	86.4%

Source: AF/AFSC Crop Reporting Survey

Soil moisture is near field capacity across a wide area of the province running from the US border, all along the foothills up to Red Deer. North of this, the area of wet soils extends eastward towards Lac La Biche, and occupies most of the growing areas with the exception of the central and northern Peace Region (see map). This has resulted in very good soil moisture conditions throughout the province with 82 per cent rating good or excellent. Regionally, the Central and Peace areas both rate soil moisture as 90 per cent good or excellent; South and North East areas both rate soil moisture being better than 80 per cent good or excellent. The North West rate only 38 per cent good or excellent. Excessive moisture is an issue in a large part of the North West and in parts of the North East and the Peace. In areas north of Lacombe, the soil moisture levels are nearing 50-year highs. In the North West 62 per cent of the soil moisture was rated as excessive, a 42 per cent increase over the previous week. The North East rates 13 per cent as excessive and the Peace rate almost 10 per cent as being excessive.

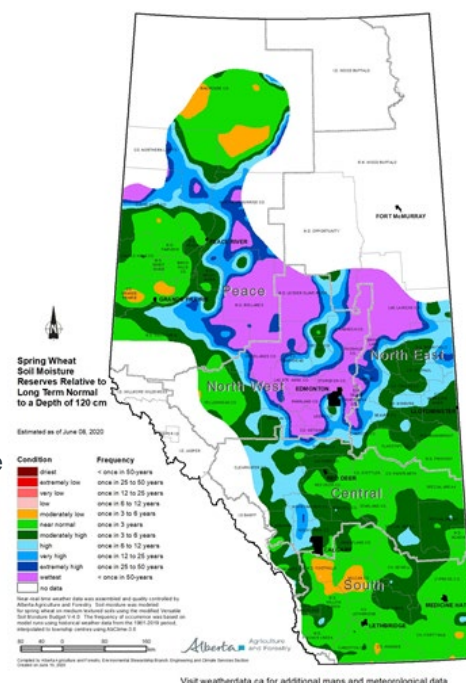


Table 2: Surface Moisture Rating as of June 9, 2020

	Poor	Fair	Good	Excellent	Excessive
South	1.0%	15.3%	58.3%	24.7%	0.7%
Central	---	7.0%	52.6%	38.7%	1.7%
North East	---	---	26.4%	60.5%	13.1%
North West	---	---	5.2%	32.5%	62.3%
Peace	---	0.7%	20.2%	69.5%	9.6%
Average	0.3%	6.9%	40.6%	41.2%	11.0%
Last Year	13.7%	27.2%	49.7%	9.1%	0.3%
5-year Average	14.2%	22.7%	41.4%	18.8%	2.9%

Source: AF/AFSC Crop Reporting Survey

Perennial forages are being reported as being in “really good shape” and “looking stronger than they have in some years,” due in large part to the spring rains. Provincially, tame hay growth rated as good or excellent is at 93 per cent compared to the five-year average of 56 per cent. Pasture growth is rated at 90 per cent good or excellent compared to the provincial five-year average of 56 per cent.

Table 3: Tame Hay (Pasture) Growth Rating as of June 9, 2020

	Poor	Fair	Good	Excellent
South	0.1% (0.1%)	8.6% (11.6%)	70.0% (73.3%)	21.3% (15.0%)
Central	--- (---)	7.4% (11.1%)	84.0% (78.2%)	8.6% (10.7%)
North East	--- (---)	6.9% (10.4%)	74.9% (74.7%)	18.2% (14.9%)
North West	--- (---)	--- (---)	14.9% (18.4%)	85.1% (81.6%)
Peace	3.4% (3.2%)	11.1% (11.5%)	71.7% (70.7%)	13.8% (14.6%)
Average	0.6% (0.3%)	6.8% (10.2%)	64.4% (69.9%)	28.2% (19.6%)
Last Year	15.4% (24.7%)	35.9% (31.8%)	45.6% (39.9%)	3.1% (3.6%)
5-year Average	17.0% (19.6%)	27.1% (24.4%)	45.9% (44.9%)	10.0% (11.1%)

Source: AF/AFSC Crop Reporting Survey

Regional Assessments:

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

- Most areas received precipitation this week ranging from light showers to general rains dropping up to one inch of rain. Cooler nighttime temperatures are the only thing preventing a “perfect start” to the year.
- Reports of reseeding of some crops in the southern part of the region due to flooding, crusting and wind damage.
- Spring-seeded cereals are midway through the tillering stage of the Zadocs growth scale, with most crops having four or five tillers.
- Tame Hay conditions (pasture shown in brackets) are rated as nine (12) per cent fair, 70 (73) per cent good, and 21 (15) per cent excellent.

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

- Precipitation received in most of the region this last week has provided good growing conditions, but cooler temperatures continues to slow growth.

- Spring-seeded cereals are midway through the seedling stage of the Zadocs growth scale, with most crops being at the five-leaf stage.
- Tame hay conditions (pasture shown in brackets) are rated as seven (11) per cent fair, 84 (78) per cent good, and nine (11) per cent excellent.
- Less than one per cent of 2019 unharvested spring wheat acres remain in the field.

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

- Significant precipitation received this week resulting in “wet and soggy” conditions with some areas receiving up to five inches of rain. Cooler temperatures are slowing plant growth.
- Reports of saturated fields in the western part of the region that may end up as unseeded this year.
- Spring-seeded cereals are in the early seedling stage of the Zadocs growth scale, with most crops being at the two-leaf stage.
- Tame hay conditions (pasture shown in brackets) are rated as seven (10) per cent fair, 75 (75) per cent good, and 18 (15) per cent excellent.
- Less than one per cent of 2019 unharvested spring wheat, barley, oats and canola acres remain in the field.

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

- Heavy rains continued in the region with accumulations of up to seven inches over the last two weeks. Cool weather has slowed germination and crop progression.
- Unseeded acres reported throughout the region because of the excess moisture and many fields are too saturated to support the equipment. Some producers are looking at unconventional means such as floating on the crop to get it seeded.
- Spring-seeded cereals are midway through the seedling stage of the Zadocs growth scale, with most plants being at the four-leaf stage.
- Tame hay conditions (pasture shown in brackets) are rated as 15 (18) per cent good, and 85 (82) excellent.
- Two per cent of 2019 unharvested spring wheat, barley, oats and less than one per cent of the unharvested canola acres in the region remain in the field.

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

- Precipitation received throughout the region, with accumulations of up to two-and-a-quarter inches were reported in some places.
- Spring-seeded cereals are in the late germination stage of the Zadocs growth scale.
- Tame hay conditions (pasture shown in brackets) are rated as three (three) per cent poor, 11 (12) per cent fair, 72 (71) per cent good, and 14 (15) excellent.
- One per cent of 2019 unharvested spring wheat, barley, oats and canola acres in the region remain in the field.

Contacts

Agriculture Financial Services Corporation
Business Risk Management Products Unit
Lacombe, Alberta
June 12, 2020

Jackie Sanden – Product Coordinator
Ken Handford – Product Development Analyst
Email: MediaInquiry@afsc.ca

Note to Users: The contents of this document may not be used or reproduced without properly accrediting AFSC and Alberta Agriculture and Forestry, Economics and Competitiveness Branch, Statistics and Data Development Section

\$40 MILLION FUNDING OPPORTUNITY TARGETS AGRICULTURE, AGRI-FOOD, AND FORESTRY SECTORS

ABOUT THE CHALLENGE

Emissions Reduction Alberta's new \$40 million Food, Farming, and Forestry Challenge is now accepting applications. This funding opportunity will accelerate innovation in support of long-term competitiveness and stimulate growth in the critically important agriculture, agri-food, fibre, and forestry sectors. It provides near-term capital to innovators in these critical Alberta industries, while also identifying opportunities and solutions for longer term economic recovery, investment attraction, job creation, and emissions reduction.

ERA will fund up to \$5 million per project and up to 50 per cent of total project costs. ERA may consider reducing this requirement for projects where strong justification is provided. Funding is being sourced from the carbon price paid by Large Final Emitters (LFE's) in Alberta through Alberta's Technology Innovation and Emissions Reduction (TIER) fund. Proponents must match ERA's investment with private funds.

Innovators with pilot, demonstration, scale-up, and first-of-kind deployment projects are invited to apply. Proposals may be submitted by farmers, ranchers, innovators, technology developers, Indigenous communities, industry, industrial associations, small and medium-sized enterprises (SMEs), research and development (R&D) organizations, post secondary institutions, municipalities, not-for-profit organizations, government research labs, and individuals. Partnerships and collaborations between multiple organizations are encouraged.

ERA's \$40 million Food, Farming, and Forestry Challenge is well-aligned with current and future funding programs through the Agriculture Funding Consortium (AFC) and the Canadian Agri-Food Automation and Intelligence Network (CAAIN). ERA will work with AFC, CAAIN, and other related programs to explore co-funding opportunities and reduce the administrative burden for applicants. ERA will also work

to align with the research priorities and project opportunities identified by the new Results Driven Agricultural Research (RDAR) initiative.

The application deadline is August 27, 2020 at 5 p.m. MDT

Steve MacDonald, ERA's CEO, and Mark Summers, ERA's Executive Director of Technology and Innovation, will host an informational webinar on Monday, June 29 at 1 p.m. (MT). They will provide an overview of the funding opportunity, including scope and eligibility of the call, the submission process, and timelines for decisions. Participants will have the chance to ask specific questions to help prepare an application.

WHY TARGET AGRICULTURE, AGRI-FOOD, AND FORESTRY SECTORS?

Agriculture and forestry are critical to the economy of Alberta. This investment, driven by the Technology Innovation and Emissions Reduction (TIER) regulation, will help advance innovative processes and technologies that increase Alberta's long-term competitiveness, growth, and export readiness. There is significant opportunity to use resources more efficiently, reduce emissions, and grow production. It builds on Alberta's strengths in agriculture, forestry, and land use. These investments can be used to bolster these existing industries and support projects from small and medium enterprises in these sectors.

In 2018, the agriculture and forest sectors employed over 100,000 Albertans. Alberta's agri-food exports reached a record \$11.6 billion, an increase of 3 per cent from 2017 (led by wheat, beef, and canola) and forest products exports reached \$4.2 billion, an increase of 20 per cent from 2017. Globally, Canada is the fifth-largest exporter of agricultural products in the world, with the total value of sales topping \$55 billion annually.

Our agricultural sector is an important part of Alberta's economy. In 2017, the province produced:

- Over 40 per cent of Canada's total cattle inventory
- 33 per cent of the country's wheat
- 32 per cent of its canola
- Half of its barley.

In 2017, Alberta emitted over 43 million tonnes of carbon dioxide equivalent from agricultural, agri-food and forestry operations combined. This is over 28 per cent of

Canada's total emissions from these sectors. There is an opportunity to reduce emissions and lower costs in the production and processing of food and fibre, and also leverage nature-based solutions that sequester carbon from the atmosphere.

The \$40 million Food, Farming, and Forestry Challenge will assist farmers, ranchers, industry, innovators, and more as they work to ensure sustainable food and fibre supplies, navigate the economic repercussions of the COVID-19 pandemic and ongoing market implications.

Investments in food, fibre, and bioindustries fits within ERA's portfolio. Since 2009, ERA has funded over \$95 million worth of projects in the food, fibre and bioindustries. These projects are estimated to reduce emissions by 11.4 Mt CO₂e by 2030. With several of Alberta's large industrial emitters found in this sector, opportunities exist to not only reduce emissions from production and processing of food and fibre, but also to leverage nature-based solutions and other activities that sequester carbon from the atmosphere.

FOCUS AREAS

ERA hosted a workshop to identify ideas with experts from the agriculture, agri-food, and forestry sectors. Ideas included creating value from agricultural and forest waste, nutrient management, automation and digitization of operations, genomics, applications of alternative energy, zero carbon seeding, monitoring and detection technologies, and nature based-solutions.

Innovative solutions for GHG emissions mitigation, abatement, and sequestration across Alberta's food, farming, and forestry industries. Areas of interest include, but are not limited to:

- Land use changes for GHG mitigation and sequestration, including innovation relating to soil carbon content, soil health, water use, etc.
- Quantification and measurement techniques for productivity improvement, enhanced sustainability & biodiversity, and/or GHG monitoring as a critical enabler for GHG reductions
- Advanced genetics and omics for crops and livestock
- Solutions for improved nutrient management including novel fertilizers and improved practices
- Novel techniques for tillage, seeding, harvesting etc.
- Advanced cultivation techniques including vertical/containerized farming, hydroponics, and greenhouse technologies
- Digitization and automation for enhanced production and resource management

- Solutions for biological methane emissions
- Improved forest management and silviculture
- Deriving co-products and value-added opportunities from agricultural and forestry waste products.

Eligible technologies can come from anywhere the world, but projects must be piloted, demonstrated, or deployed in Alberta. Projects that involve multiple sites are eligible for funding.

PROJECT DEVELOPMENT STAGE

Expressions of interest are invited for projects that advance innovation to the stages of field piloting, commercial demonstration, or first-of-kind commercial implementation, as described below:

- **Field Test/Pilot:** At this stage the technology or innovation is ready to be field tested in an operational environment. Projects in this category include scale up of prototypes to representative pilot scale and subsequent in-field testing of pilot units.
- **Commercial Demonstration:** At this stage of development, the technology or innovation is approaching the final commercial product and representative systems have been built. Projects in this category include demonstration of near- or fully-commercial scale systems in an operational environment.
- **First-of-Kind Commercial Implementation:** At this stage, the technology is ready for first-of-kind commercial deployment. Projects in this category will involve design, construction, and operation of the technology in its final commercial form, with the intent to operate the technology for its full commercial life.

SUBMISSION PROCESS

Submissions will be selected through ERA's competitive review process. A team of experts in science, engineering, business development, commercialization, financing, and GHG quantification will conduct an independent, rigorous, and transparent review overseen by a Fairness Monitor. Once approved by ERA's Board of Directors, funding will be distributed on a milestone basis, and the progress of each project is reported on until completion. All recipients are required to produce a final outcomes report that will be shared publicly for the broader benefit of Alberta.

Emissions Reduction Alberta (ERA) is a legal tradename of the Climate Change and Emissions Management (CCEMC) Corporation.

DEADLINE FOR SUBMISSIONS
AUGUST 27, 2020 at 5 PM, MDT

\$40 MILLION FOR FOOD, FARMING, AND FORESTRY INNOVATION

June 1, 2020

EDMONTON, AB – Today, Government of Alberta’s Minister of Environment and Parks, Jason Nixon, announced Emissions Reduction Alberta’s (ERA) \$40 million Food, Farming, and Forestry Challenge. This funding opportunity will accelerate technology innovation in support of long-term competitiveness and stimulate growth in the critically important agriculture, agri-food, and forestry sectors. It provides near-term capital to innovators, while also identifying opportunities and solutions for longer term economic recovery, investment attraction, and job creation.

Alberta’s agricultural and forestry sectors are an important part of the economy. The province produces over 40 per cent of Canada’s total cattle inventory, 33 per cent of the country’s wheat, 32 per cent of its canola, and half of its barley. In 2018, the agriculture and forestry sectors employed over 100,000 Albertans. The Province’s agri-food exports reached a record \$11.6 billion, an increase of three per cent from 2017 and forest products exports reached \$4.2 billion, up 20 per cent from the previous year.

These sectors also represent a significant opportunity to reduce greenhouse gas (GHG) emissions. In 2017, Alberta emitted over 43 million tonnes of carbon dioxide equivalent from agricultural, agri-food, and forestry operations combined. This represents over 28 per cent of Canada’s total emissions from these sectors.

This \$40 million will assist farmers, ranchers, industry, innovators, and more as they work to ensure sustainable food and fibre supplies and navigate the economic repercussions of the COVID-19 pandemic. It will lead to lower costs in the production and processing of food and fibre, leverage nature-based solutions and other activities that sequester carbon from the atmosphere, and more.

ERA will fund up to \$5 million per project and up to 50 per cent of total project costs. Funding is being sourced from the carbon price paid by Large Final Emitters (LFE’s) in Alberta through the Technology Innovation and Emissions Reduction (TIER) fund. These investments can be used to strengthen existing industries and support projects from small and medium enterprises in these sectors. The application deadline is August 27, 2020 at 5 p.m. Mountain Time.

“Our government is proud to fund the Food, Farming, and Forestry Challenge. This is a strong example of how Alberta is thoughtfully advancing creative solutions to achieve both emissions reductions and greater economic and environmental resilience. Alberta has shown significant leadership in emissions reduction via enhancing agricultural and forestry practices and we look forward to continuing on this path through further market-based opportunities.”

Jason Nixon, Minister, [Environment and Parks](#), Government of Alberta

“Our foresters, farmers, and ranchers have always been innovative in order to compete around the world. Investing in additional technological advancements will help them continue to grow and create more jobs in Alberta’s largest natural resource sectors.”

Devin Dreesen, Minister, [Agriculture and Forestry](#), Government of Alberta

“Our mandate at ERA is to improve the cost and carbon competitiveness of all sectors. At this time of global uncertainty, we are taking bold action to accelerate technology-led innovation that ensures these key industries can grow sustainably.”

Steve MacDonald, CEO, [Emissions Reduction Alberta](#)

“ERA’s funding support is essential in allowing companies like Al-Pac to de-risk complex projects. These innovative projects will make our companies more financially viable, reduce emissions, all the while bettering the environment for Albertans. There are a lot of great ideas out there, and without the support of ERA, they may not be realized.”

Daryl Nichol, Pulp Mill Manager, [Alberta-Pacific Forest Industries Inc.](#)

“Now more than ever, we need to take action to ensure a sustainable future for the 70 communities and thousands of Albertans who depend on forestry. Innovation is a key part of preparing for our future. This program will help support forestry jobs throughout Alberta.”

Fred Dzida, Chair, [Alberta Forest Products Association](#)

“Investments in innovation play an important part in the continuation of stable, sustainable food production in Canada. The Food, Farming, and Forestry Challenge is a positive step in supporting the long-term competitiveness of Alberta’s beef producers, while helping ensure Canadians have continued access to high-quality and nutritious products.”

Bob Lowe, President, [Canadian Cattlemen’s Association](#)

“We need fresh ideas to support the increased economic contributions of Alberta’s food and beverage processing industry to help further diversity the Alberta economy. This funding opportunity helps address urgent needs in response to recent health and economic disruptions, it also helps build a long-term competitive advantage of Alberta’s food and beverage industry in the global market.”

Melody Pashko, General Manager, [Alberta Food Processors Association](#)

ERA worked with leaders in agriculture, agri-food, and forestry to design this funding challenge. Ideas for innovation included creating value from agricultural and forest waste, nutrient management, automation and digitization of operations, genomics, applications of alternative energy, zero carbon seeding, monitoring and detection technologies, nature based-solutions, and more.

Proposals may be submitted by farmers, ranchers, innovators, technology developers, Indigenous communities, industry, industrial associations, small and medium-sized enterprises (SMEs), research and development (R&D) organizations, universities, municipalities, not-for-profit organizations, government research labs, and individuals. Partnerships and collaborations between multiple organizations are encouraged.

ERA’s Food, Farming and Forestry Challenge is well-aligned with current and future funding programs through the [Agriculture Funding Consortium \(AFC\)](#) and the [Canadian Agri-Food Automation and Intelligence Network \(CAAIN\)](#). ERA will work with AFC, CAAIN, and other related programs to explore co-funding opportunities and reduce the administrative burden for applicants. ERA will also work to align with the research priorities and project opportunities identified by the new [Results Driven Agricultural Research \(RDAR\)](#) initiative.

Steve MacDonald, ERA's CEO, and Mark Summers, ERA's Executive Director of Technology and Innovation, will [host an informational webinar](#) on Monday, June 29 at 1 p.m. (MT). They will provide an overview of the funding opportunity, including scope and eligibility of the call, the submission process, and timelines for decisions. Participants will have the chance to ask specific questions to help prepare an application.

For more information contact:

Emissions Reduction Alberta
Kevin Duncan
Cell: 403.431.2859
kduncan@eralberta.ca

ABOUT EMISSIONS REDUCTION ALBERTA (ERA):

For more than 10 years, ERA has been investing the revenues from the carbon price paid by large final emitters to accelerate the development and adoption of innovative clean technology solutions. Since we were established in 2009, we have committed \$534 million toward 161 projects worth \$4 billion that are helping to reduce GHGs, create competitive industries and are leading to new business opportunities in Alberta. These projects are estimated to deliver cumulative reductions of 32.9 million tonnes of CO₂e by 2030.

Moisture Situation Update as of May 23, 2020

FORWARDED ON BEHALF OF DOUG MACAULAY

Synopsis

Towards the end of last week, a major system brought significant amounts of moisture to many parts of the province, bringing farming activities to a temporary halt. More than half of the provinces agricultural areas received at least 40 mm during this event.

Soil moisture reserves are now at least near normal across most of the province. Most of the west-half of the Western region and the southern parts of the Peace region have soil moisture reserves estimated to be near 1 in 50-year highs.

Precipitation over the past 5-days (map 1)

Nearly every part of the province's agricultural areas received moisture. This ranged from less than 5 mm through the extreme northern Peace region, to well over 80 mm across the western-half of the North West region, and parts of the Southern region.

Much of the west-half of the North West region receiving over 70 mm. The greatest accumulation was measured at the Elk River Auto station, approximately 70 km south west of Drayton Valley, where 120.7 mm (unverified) was reported.

A second area, down through southern Alberta, lying between Lethbridge and Medicine Hat received over 70 mm of rainfall with the greatest accumulations (100 mm) reported at Etzicom.

Lesser amounts were recorded through parts of the North East region, were no more than 20 mm fell, roughly centered on Lloydminster. In addition most of the north-half of the Peace region received less than 20 mm as well, with parts of the extreme northern Peace reporting less than 5 mm.

Soil Moisture Reserves (map 2 and map 3)

In the wake of this system, soil moisture reserves are now at least near normal throughout most of Alberta's agricultural areas (**map 2**). Some exceptions include the northern Peace region where lands around La Crete are near one in 1 in 12 year lows, along with a few small pockets in the Central Peace region and two areas in the North East where one in 3 to 6 year lows are lingering.

A large area of the province is very wet, with 1 in 50 year highs estimated to occur through a wide area running south of Grande Prairie over to Slave Lake and down as far south as Rocky Mountain House.

Map 3 depicts total soil moisture levels under spring wheat, growing on medium textured soils. It is a useful guide to understand in general, where soils are near capacity for absorbing more water. Soils in the medium (160-180mm) and dark blue (180-200mm) categories are nearing field capacity (200 mm) and have very little ability to absorb more rainfall. This includes a wide area ranging from the Milk River Ridge, running up along the foot hills as far north as Beaver Lodge and extending east, all the way to Edmonton, Calgary and Rocky Mountain House. Warm dry weather will be essential in these areas over the coming two weeks.

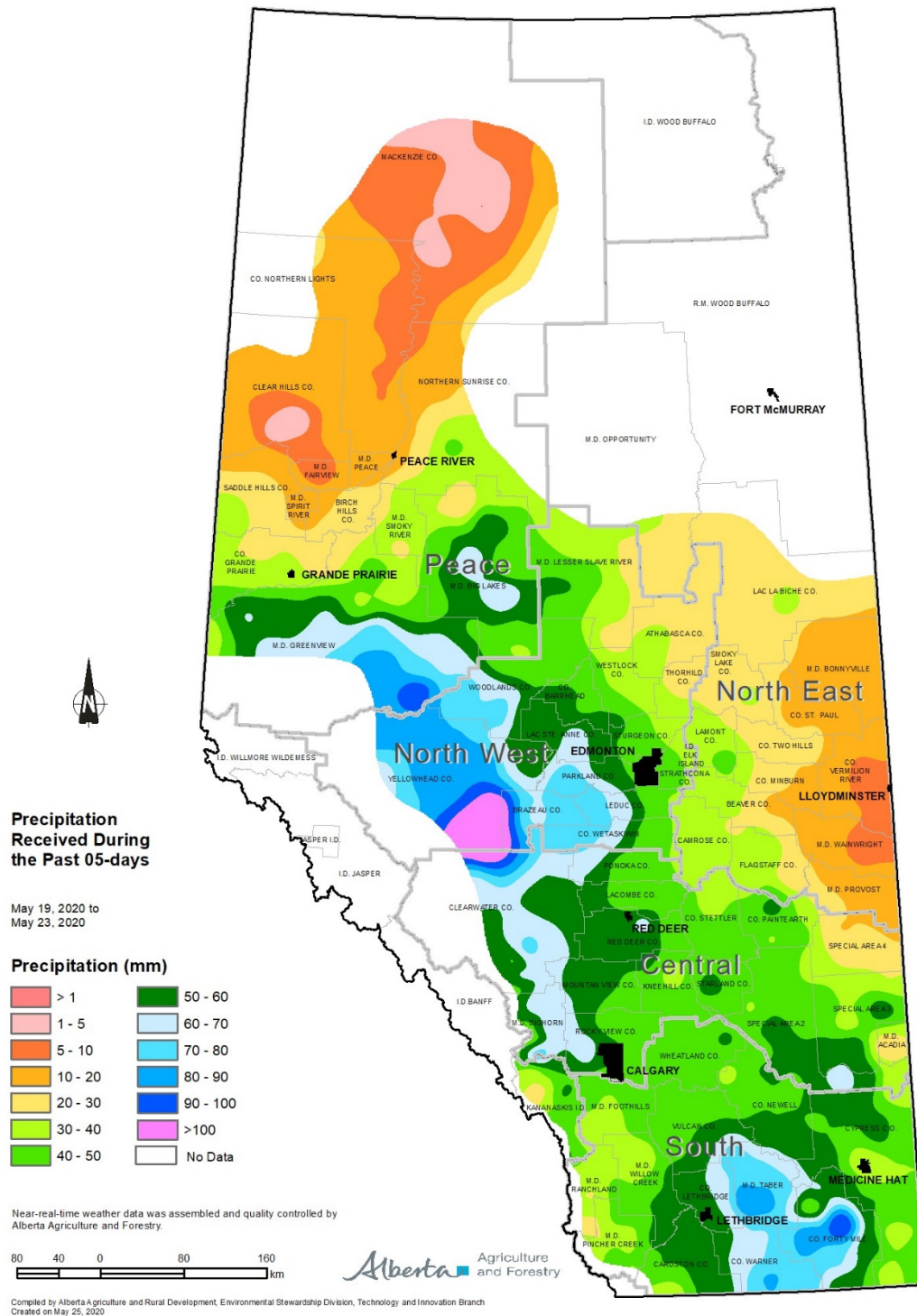
Perspective

As we near the summer solstice (June 20), day length approaches a maximum and the sun is high in the sky, resulting in good drying potential, providing the sky remains clear and humidity is moderate. Under these conditions we can expect to see daily evaporation losses on the order of 5 to 7 mm. Thus under ideal conditions, it's possible to evaporate 35 mm of water off the land per week. Dry weather will be needed where soil moisture levels are high.

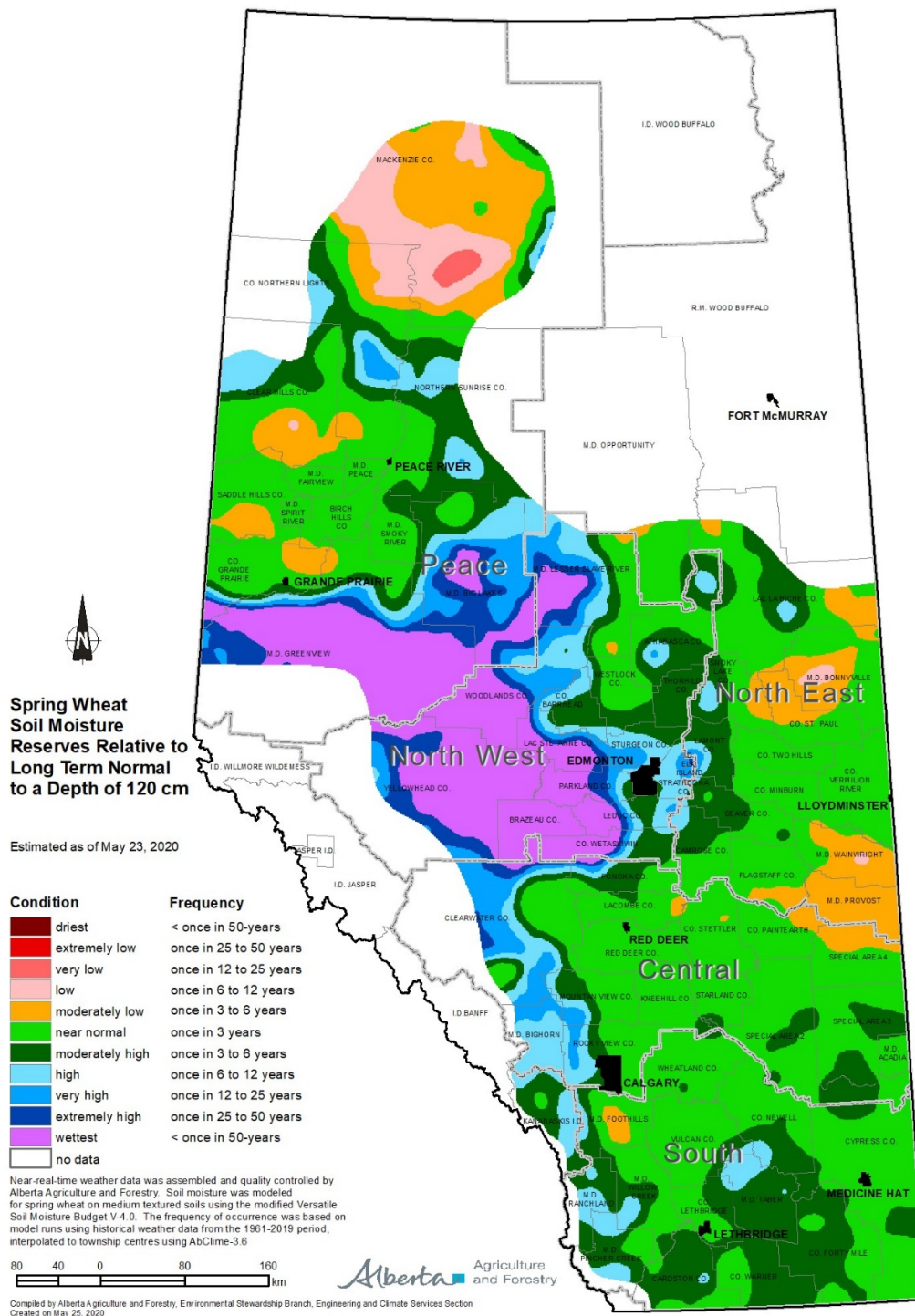
In stark contrast, much of the Northern Peace region remains dry, a condition that has been ongoing for at least a few years.

With all this moisture lying on the land, and warming temperatures, convective activity will be enhanced, increasing the risk for thunderstorms.

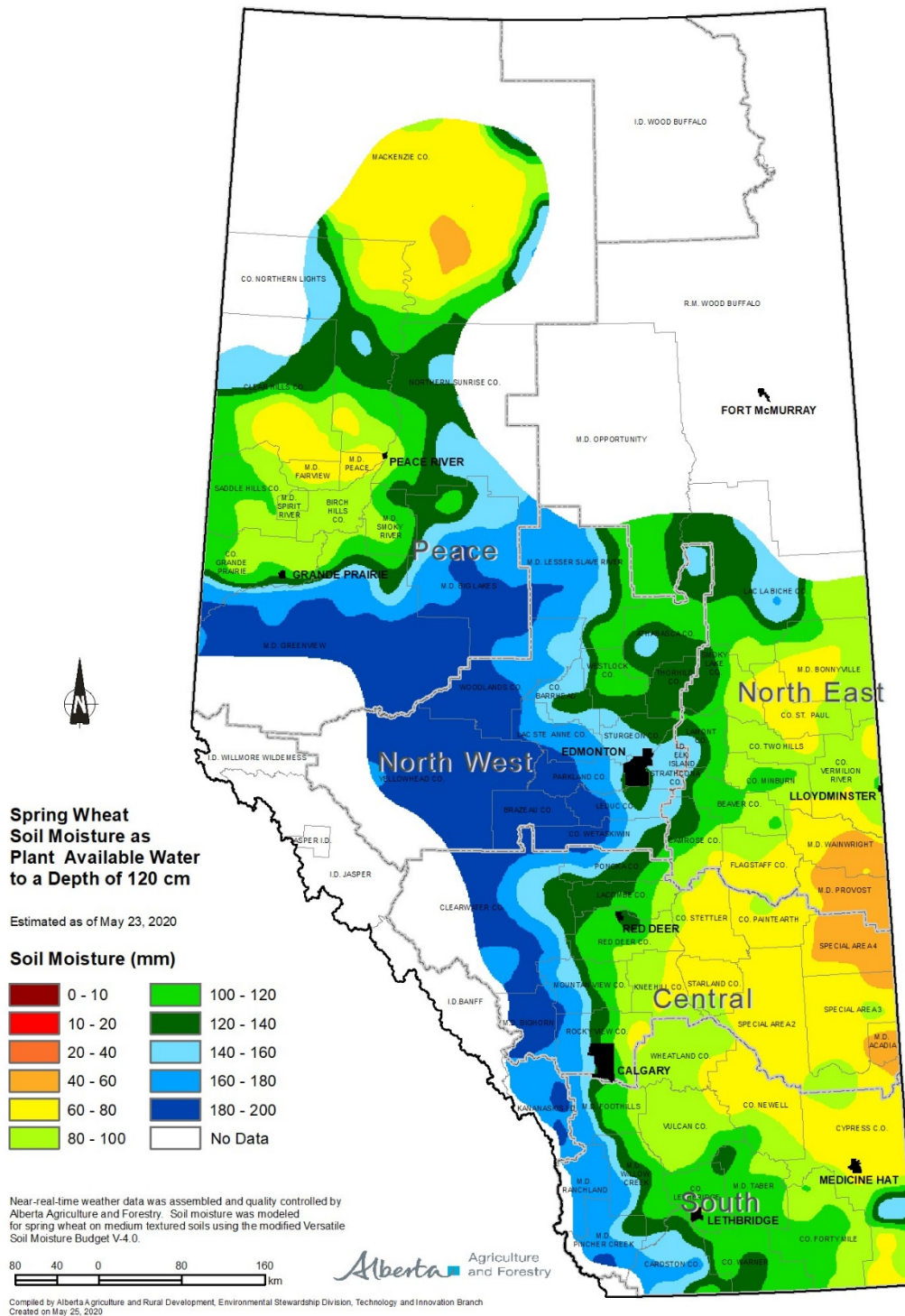
Ralph Wright
Agro-meteorology Applications and Modelling Unit
780-446-6831



Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data

Synopsis (map 1 and map 2)

Late last week, yet another major moisture bearing system swept through the province bringing wide spread rains across most of our agricultural areas (**map 1**). Only a few areas received less than 20 mm with the greatest amounts falling through the North East. Here, several stations in an area approximately 100 km south of Fort McMurray, recorded just over 130 mm.

Last week's rains came on the heels of an already wet start to the season with wet weather prevailing since mid-May. Since May 15th over 100 mm of moisture has fallen across a wide area of the province, including parts of Southern Alberta, and most areas from Calgary, to well north of Slave Lake (**map 2**).

Precipitation over the past 30-days (Map 3)

Currently there are no unusually dry areas in the province. Over the past 30-days most of the province has been wetter than normal, with about 70% estimated to receive this much moisture through May and June, less than once in 6 to 12 years and about 40% of the province estimated to be near one in 12 to 25 year highs (**map 3**). Wetter still is a large area from Edmonton to Fort McMurray that gets this much moisture at this time of year, less than once in 50-years.

Soil Moisture Reserves (map 4 and map 5)

Soil moisture reserves are at least near normal across the entire agricultural area, from Red Deer South to the US boarder as well as throughout parts of the central and northern Peace region, a condition which has been very good for crop growth (**map 4**).

Generally north of Lacombe, soils are wet, and are estimated to be near in in 50 year highs, across a large area of the province covering most of the North West region and the west-half of the North East region, along with the south-eastern end of the Peace region.

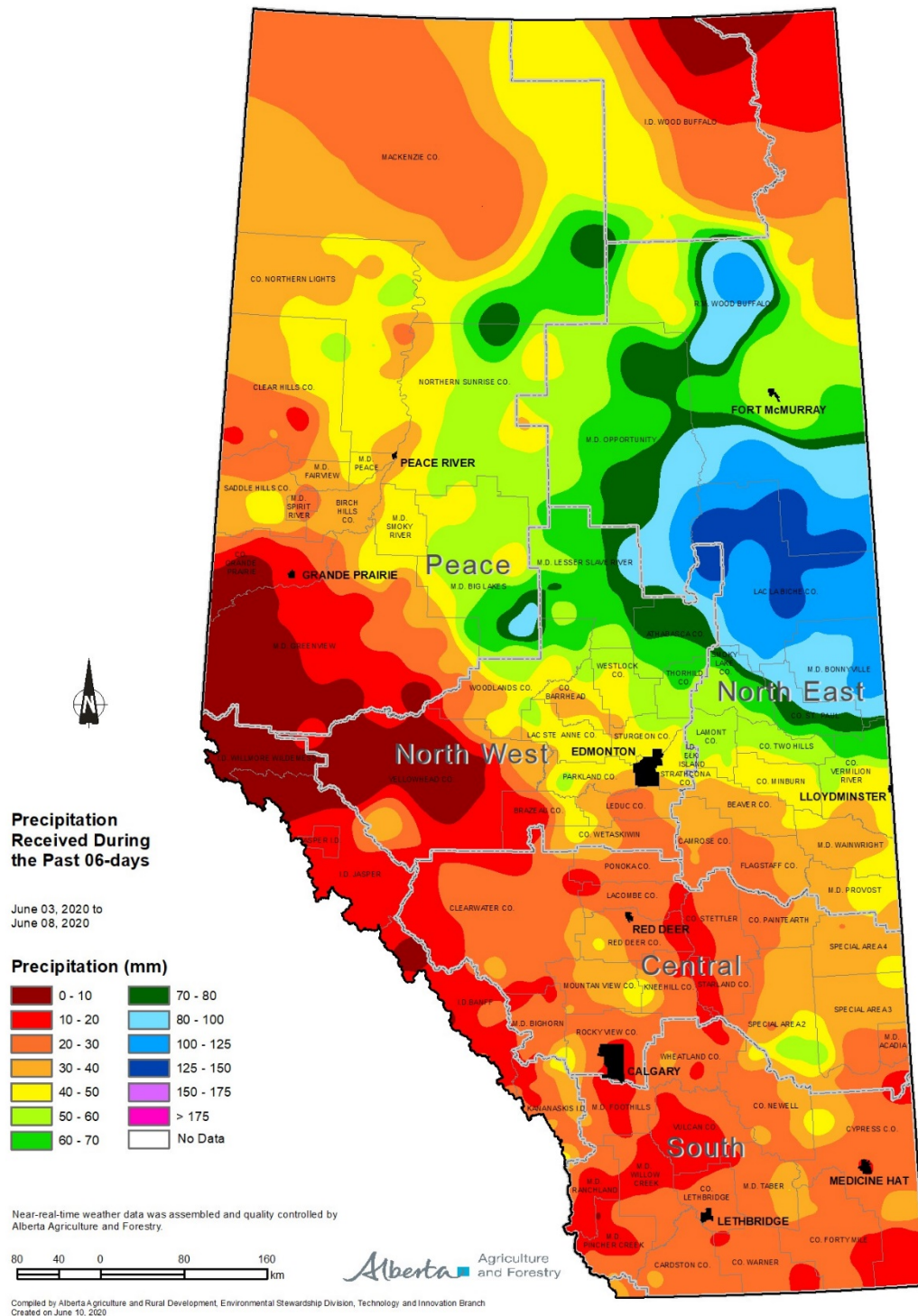
Soil moisture, estimated under a spring wheat condition, is near field capacity (200 mm) across a wide area of the province running from the US border, all along the foothills up to Red Deer. North of this, the area of wet soils expands eastward towards the Lac La Biche, and occupies most of the provinces growing areas with the exception of the central and northern Peace Region.

Areas with 160 mm or more on **map 4** (medium and dark blue) have little capacity to absorb further large storms, at least over the near term, but do have a large reserve capacity to resist mid-season drought.

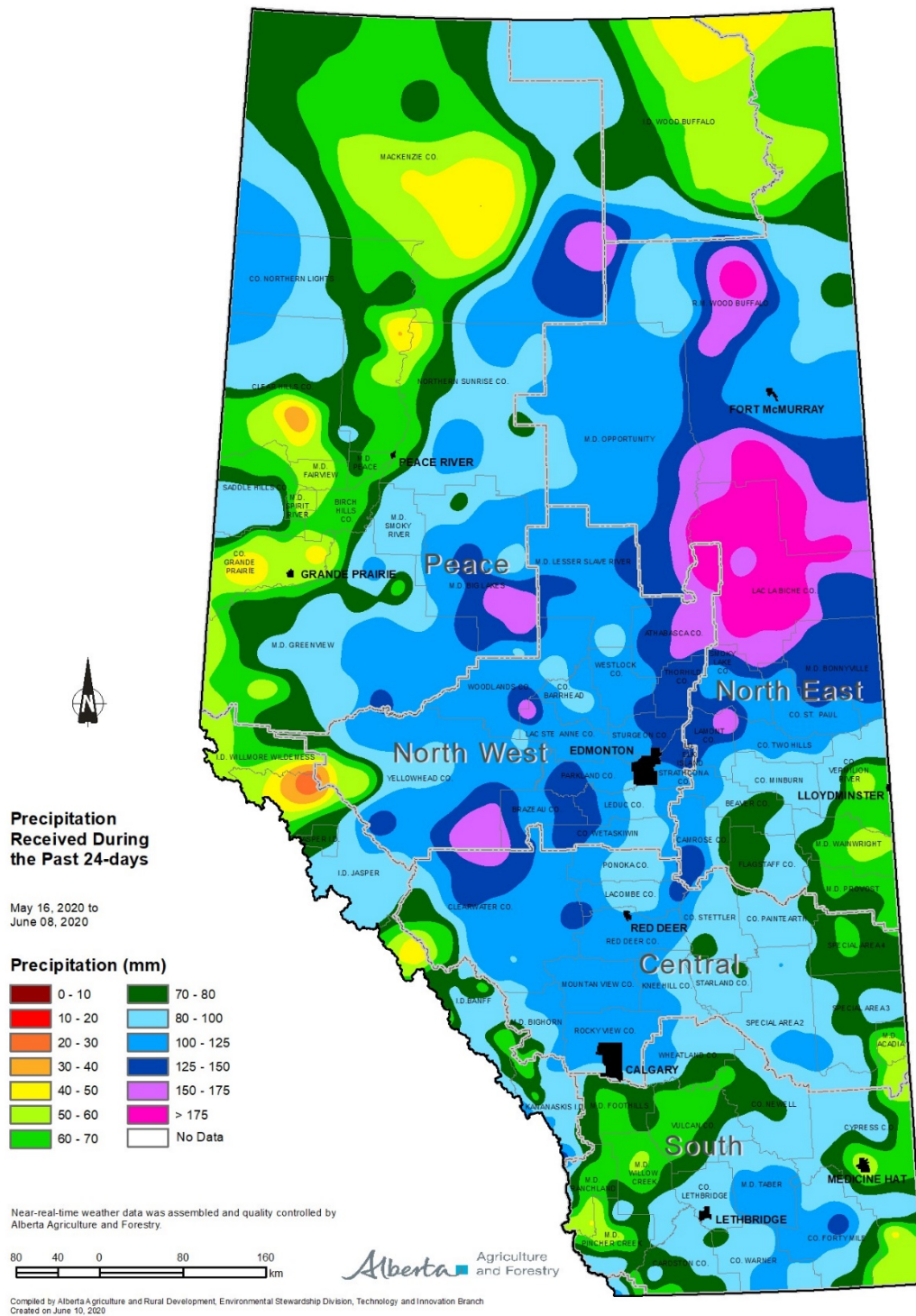
Ralph Wright

Agro-meteorology Applications and Modelling Unit

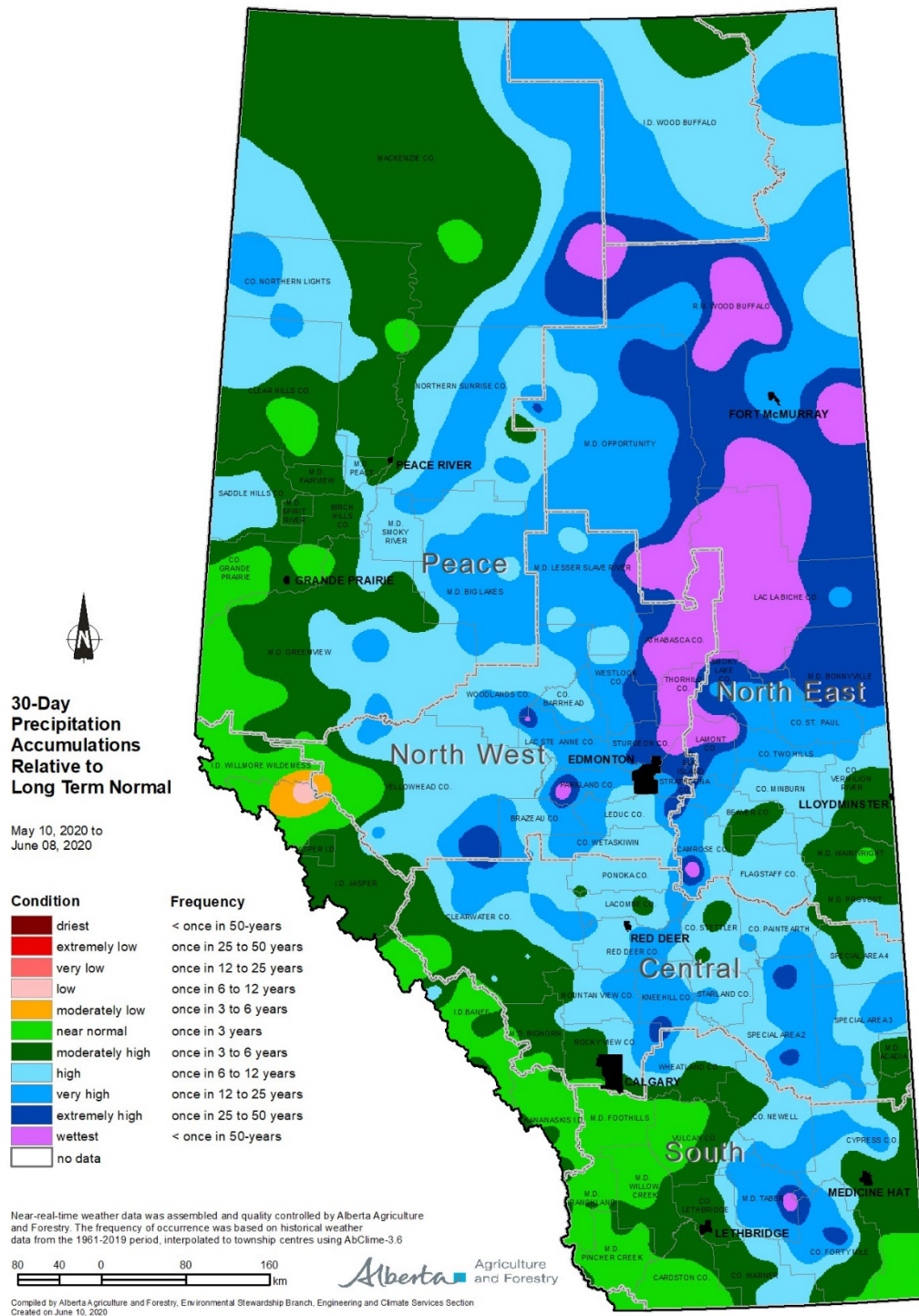
780-446-6831



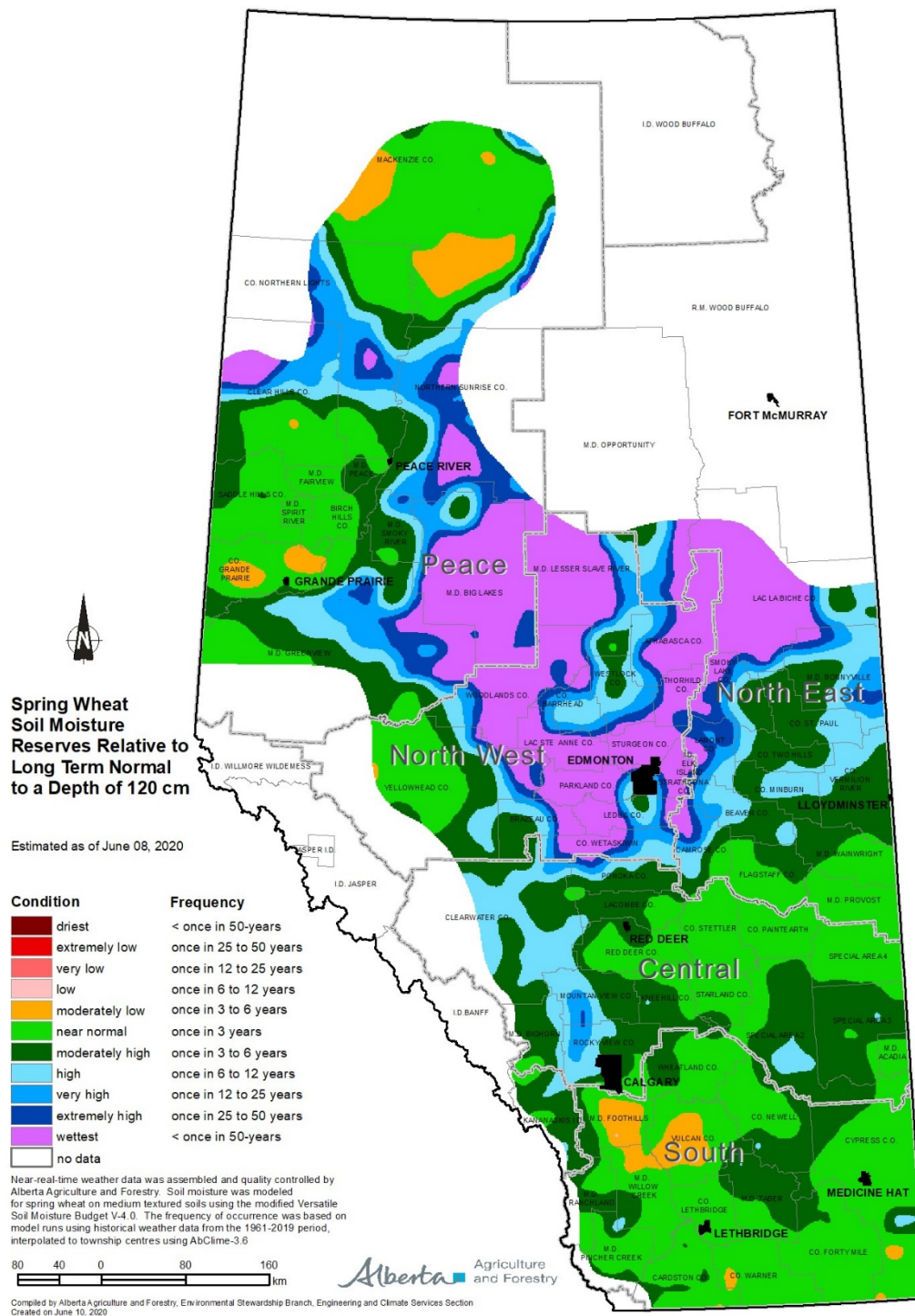
Visit weatherdata.ca for additional maps and meteorological data



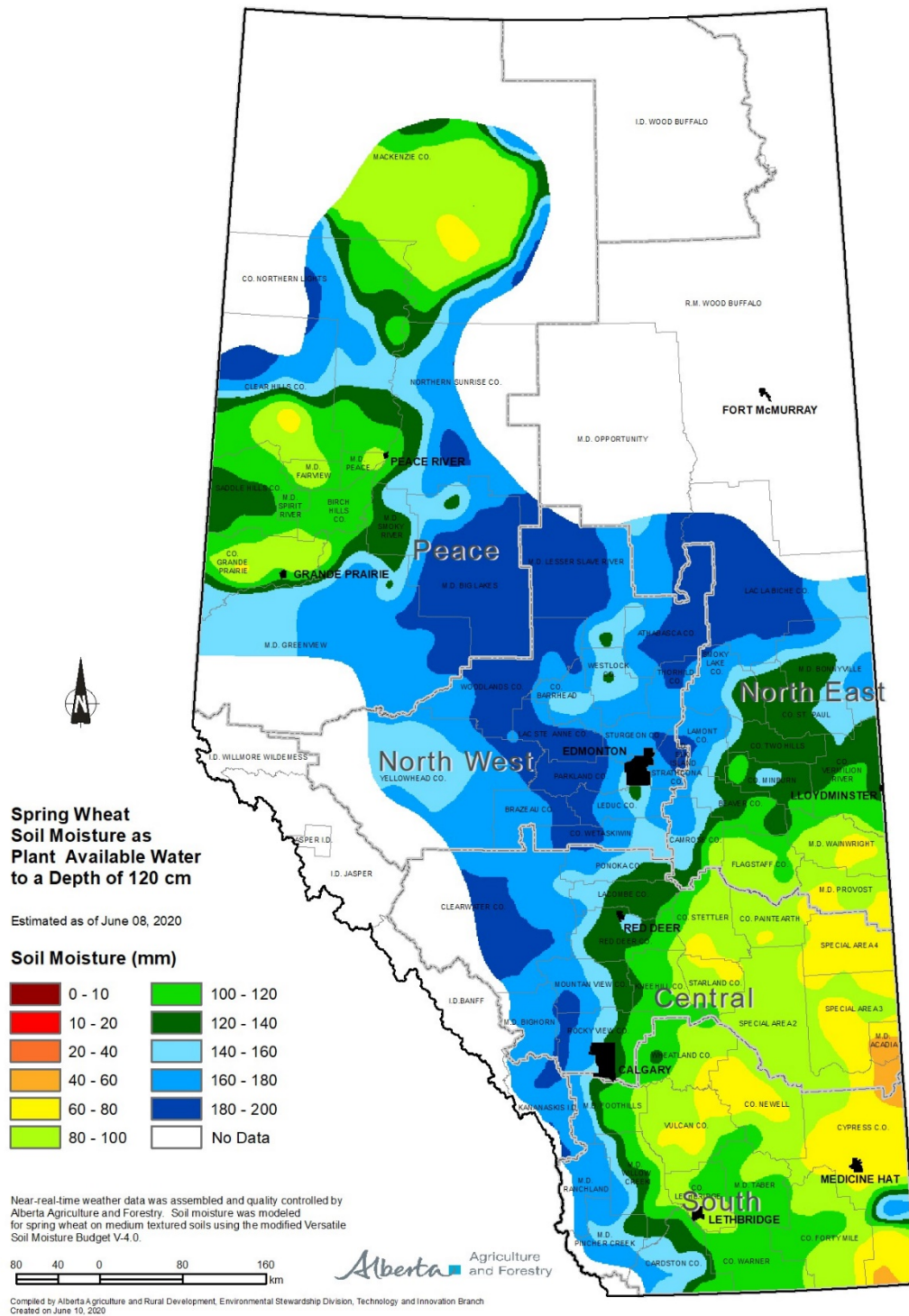
Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data

Moisture Conditions as of June 17, 2020

Synopsis (map 1)

Over the past 5-days rains have continued to persist over most of the province (**map 1**). Areas south of the TransCanada Highway have generally received at least 15 mm, which is enough to sustain adequate crop growth.

Much of the central parts of the province, along with substantial parts of the Peace region received well over 30 mm. Many of these areas are considered wet and this additional moisture was not needed. The greatest amounts were received at the Three Hills AGDM station where nearly 103 mm was recorded.

Previously wet areas through the eastern reaches of the North East, and a small portion of the North West, which includes parts of Barrhead, Westlock and Woodlands County have seen a slight reprieve, receiving less than 10 mm in recent days.

30-day precipitation accumulations as of June 17th, 2020 (map 2 and map 3)

Over the last 30-days, most of the province has received at least 75 mm of rain, delivered through at least 4 major wide spread storm events. A large area between Calgary, Drayton Valley, and Fort McMurray as seen over 125 mm with many areas within this zone exceeding 150 mm (**map 2**). The greatest amounts were recorded about 50 km north east of Lac La Biche, at the Heart Lake Auto station which reported 220.4 mm.

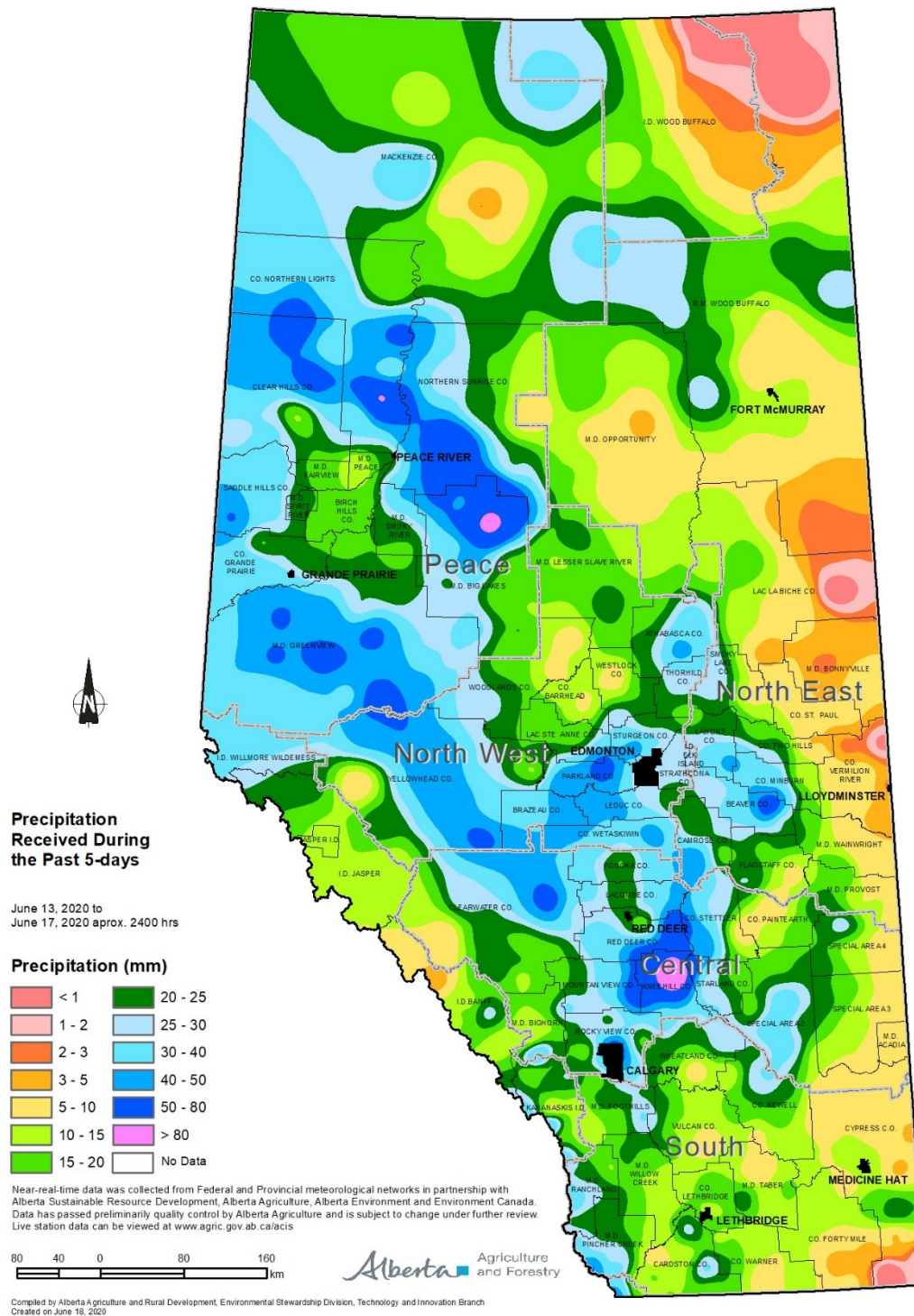
For context, historical averages for this time frame range from about 50 mm near Calgary to 80 mm at Heart Lake. This has left much of the province, north of Calgary with at least one in 6 to 12 year highs, with many lands experiencing one in 50 year highs, when compared to the same period over the last 60-years (**map 3**).

365-day precipitation accumulations as of June 17th, 2020 (map 4 and map 5)

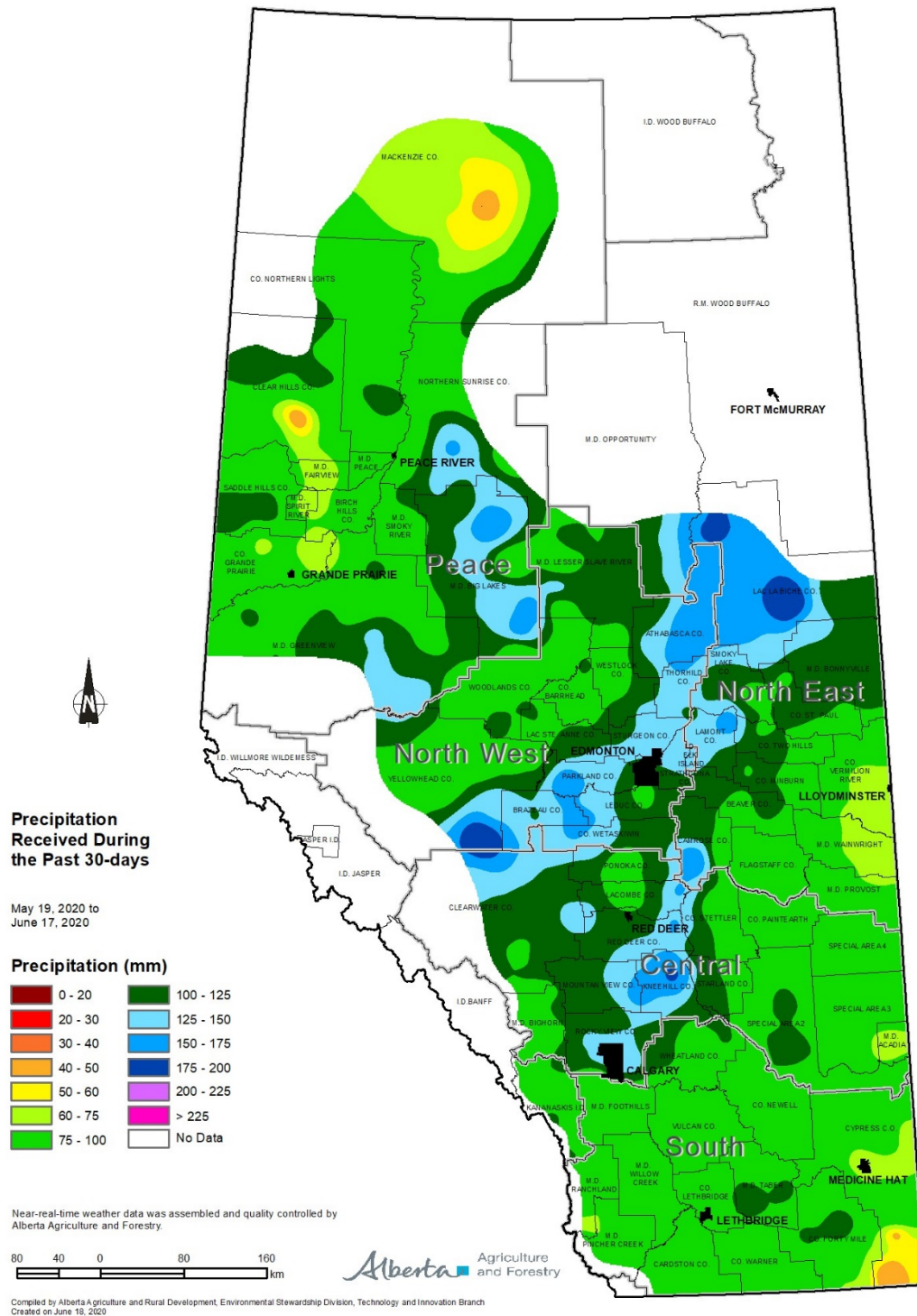
Large parts of Alberta have been in a “wet cycle” for about a year, with wet weather beginning mid-June of last year. Many parts of the western-half of the North West, and central regions, as well as the southern Peace region have seen well over 800 mm since that time (**map 4**). This has led to at least one in 12 to 25 year highs relative to normal, with several areas estimated to see year over year precipitation accumulations like this less than once in 50 years (**map 5**).

Currently there are relatively few chronically dry areas in the province, with the exception of the extreme northern Peace region and some large pockets through southern Alberta. However, recent rains have been adequate for satisfactory crop growth through most of these drier areas.

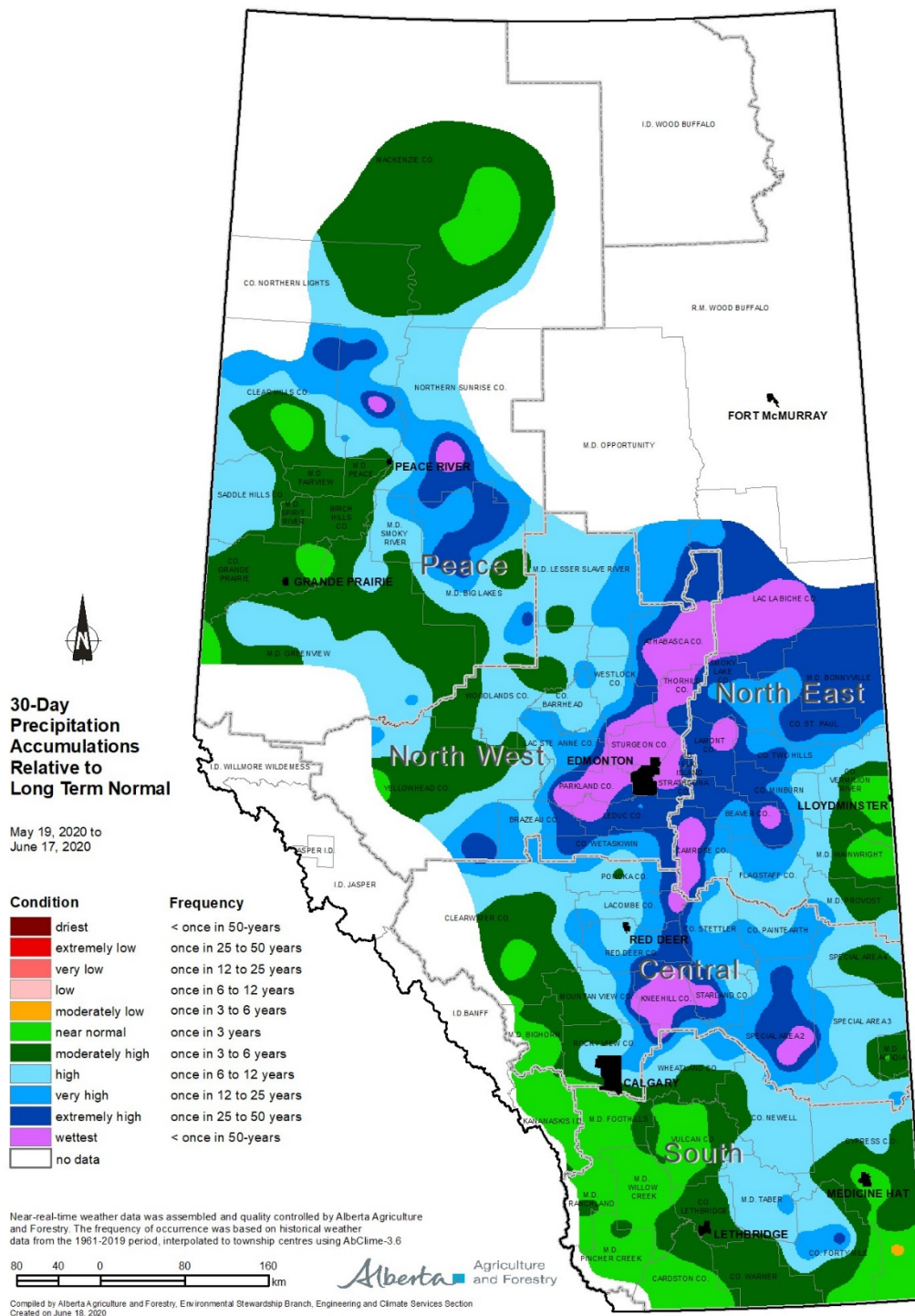
Ralph Wright
Agro-meteorology Applications and Modelling Unit
780-446-6831



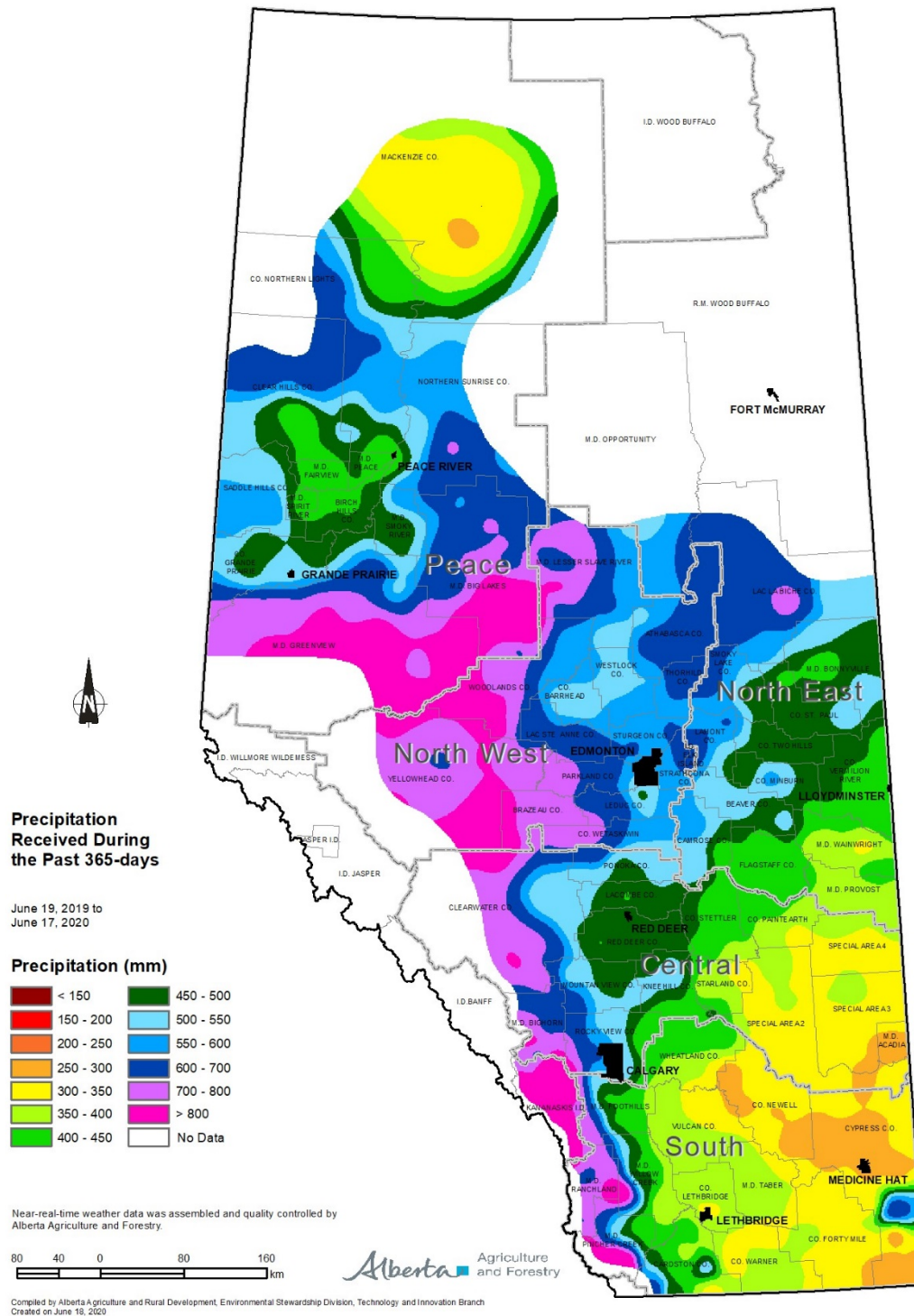
Visit weatherdata.ca for additional maps and meteorological data



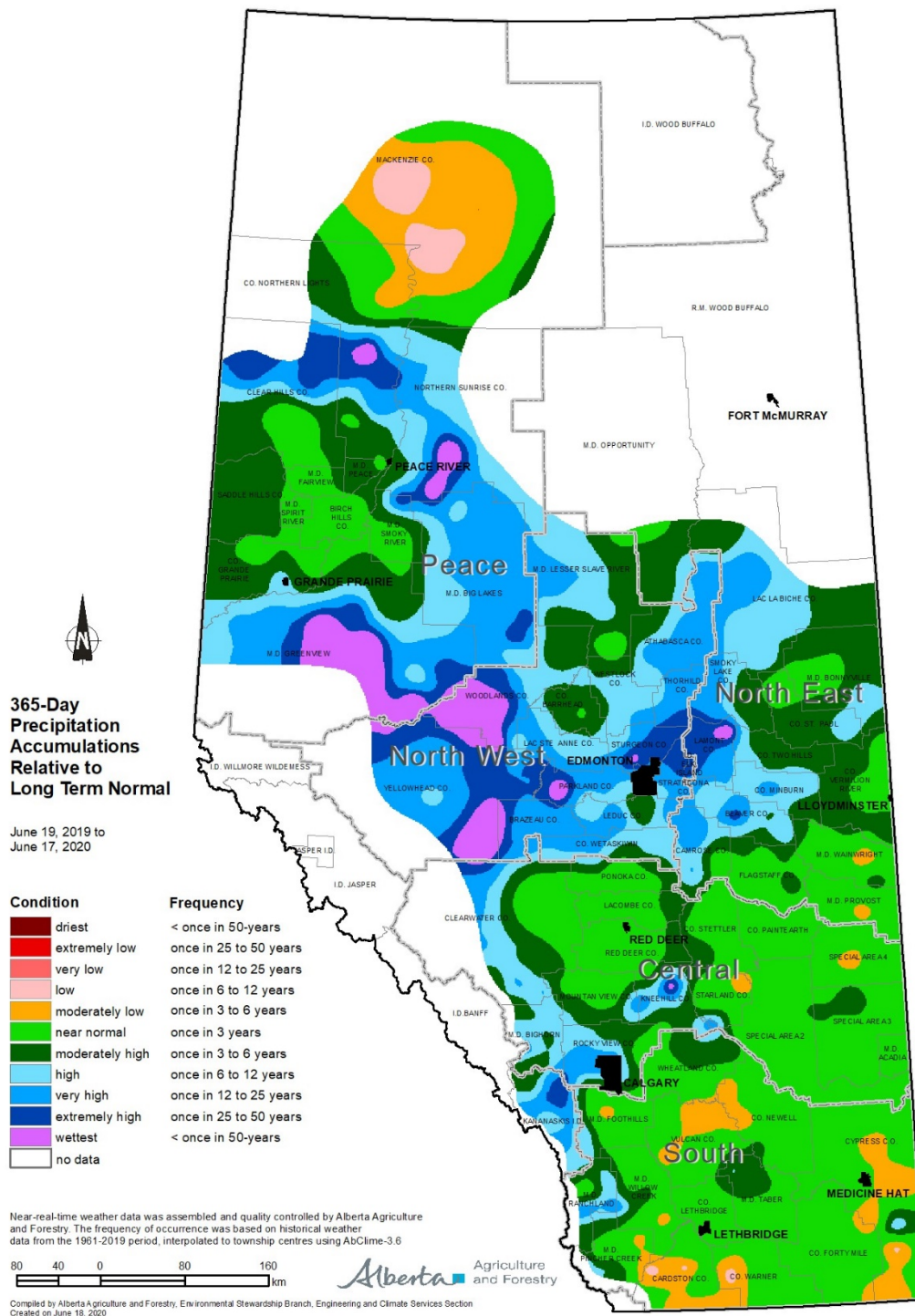
Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data



Visit weatherdata.ca for additional maps and meteorological data

Alberta deregulates fusarium

Crop disease comes off province's 'zero tolerance' list



By [Dave Bedard](#), [GFM Network News](#)

Editor, *Daily News*

Reading Time: 2 minutes

Published: June 5, 2020



A healthy wheat head at left and one with severe symptoms of fusarium head blight at right.
(Keith Weller photo courtesy ARS/USDA)

Alberta is moving to keep fusarium in check by means other than the “zero tolerance” policy it has in effect on agricultural pests such as rats, rabies and clubroot.

Agriculture Minister Devin Dreeshen announced a ministerial order Wednesday to remove *Fusarium graminearum* from the list of pests covered by the *Pest and Nuisance Control Regulation*, which is attached to the province’s *Agricultural Pests Act*.

Removing fusarium from the regulation “will allow Alberta to modernize to managing the disease, rather than having zero tolerance for it,” the province said in a release.

The fungal plant pathogen causes fusarium head blight (FHB), which impacts yield and grain quality and produces toxins in infected crops. In Canada it shows up mainly in wheat, barley and corn.

Known to damage crops in Eastern Canada at least as far back as the 1940s, fusarium was first spotted at low levels in Alberta in 1989, and the province responded to its spread in 2002 with its *Fusarium graminearum* Management Plan.

Since then, the province said, regulating fusarium “has failed to stop its spread” and the 2002 management plan “does not account for recent advances in seed treatment options that can lower detections, bringing them close to zero.”

“This long-overdue change creates new opportunities for our farmers by levelling the playing field,” Dreesen said in Wednesday’s release, adding Alberta farmers “will benefit from current research advances” as a result.

“Fusarium is well-established in Alberta and since it spreads through airborne spores, we know that zero-tolerance policies are not effective,” Alberta Wheat Commission chair Todd Hames said in the same release, adding the regulatory change “better reflects the reality facing farmers.”

Canadian Seed Trade Association president Georges Chausse said the CSTA “has long advocated for a removal of fusarium as a pest as it will be the most effective way for industry to promote management systems; encourage research, investment and innovation; and allow Alberta farmers to stay competitive with their counterparts in other jurisdictions.”

Member organizations in the province’s fusarium working group had until now called for “extension and education of best management practices,” saying such an approach would “enable sustainable FHB mitigation.”

To that end, the province’s cereal crop commissions and the fusarium working group are now developing a website expected to serve as “a one-stop resource aimed at FHB mitigation.”

The website, titled “Let’s Manage It! – A farmer’s guide to mitigating and managing fusarium head blight in Alberta,” is expected to launch “in the coming days.”

“The ‘Let’s Manage It!’ website aligns with the government’s shift away from regulatory control and will help farmers take action,” Alberta Barley chair Dave Bishop said Wednesday in a separate release from the working group.

“FHB has become a challenge in all regions of Alberta, but we can control its spread by how we manage our operations. I know farmers will appreciate being able to find everything they need right at their fingertips to keep this disease at bay.”

“By shifting to a science-based collaborative effort to address fusarium, we can encourage industry investment in research and broaden our range of prevention and disease management techniques,” Alberta Seed Growers president Renee Hoyme said in the same release.

Plant diseases still listed as “pests” in the *Pest and Nuisance Control Regulation* include, among others, clubroot, blackleg, potato wart, Dutch elm disease, fireblight and head smut. — *Glacier FarmMedia Network*

Helping Alberta's farmers stay competitive

The Government of Alberta is helping farmers by modernizing rules, reducing red tape and creating new research opportunities.

Seed growers in Alberta will soon have access to more seed varieties and cereal research. Minister of Agriculture and Forestry Devin Dreeshen has signed a ministerial order removing *Fusarium graminearum* (fusarium) from the Pest and Nuisance Control Regulation, bringing Alberta in line with best practices from other provinces.

Fusarium is a fungal disease of cereal crops that affects grain development and quality. Removing it from the regulation will allow Alberta to modernize to managing the disease, rather than having zero tolerance for it.

Regulating fusarium has failed to stop its spread, which has increased across the province over the past 20 years. The Alberta *Fusarium graminearum* Management Plan, published in 2002, does not account for recent advances in seed treatment options that can lower detections, bringing them close to zero.

“Alberta’s farmers continue to grow high-quality food that people around the world can count on every day. This long-overdue change creates new opportunities for our farmers by levelling the playing field. Modernizing these rules means that Alberta farmers will benefit from current research advances.”

Devin Dreeshen, Minister of Agriculture and Forestry

“This news has been a long time coming. Fusarium is well-established in Alberta and since it spreads through air-borne spores, we know that zero tolerance policies are not effective. We welcome this regulatory shift that better reflects the reality facing farmers and appreciate Minister Dreeshen’s

dedication to breaking down this regulatory barrier so we can move ahead with improved competitiveness.”

Tood Hames, chair, Alberta Wheat Commission

“Alberta crops are known around the world, so we commend the Government of Alberta for ensuring that growers in the province and those who count on them can benefit from the latest scientific advances. We work every day towards greater food security in an environmentally sustainable way, and today’s decision is a key step in this shared goal.”

Paul Hoekstra, government and industry relations, Syngenta

“The Canadian Seed Trade Association has long advocated for a removal of fusarium as a pest as it will be the most effective way for industry to promote management systems; encourage research, investment and innovation; and allow Alberta farmers to stay competitive with their counterparts in other jurisdictions. We would like to thank the Government of Alberta for its leadership.”

Georges Chausse, president, Canadian Seed Trade Association

The Alberta Fusarium graminearum Management Plan will be updated and continue to be available for farmers and industry looking for information and best management practices. The Government of Alberta will continue education and awareness efforts.

This is another positive step forward in government’s commitment to reduce red tape and make life easier for all Albertans. To track red tape reduction progress and submit suggestions about where government can cut even more red tape, please visit CutRedTape.Alberta.ca.

Quick facts

- *Fusarium graminearum* causes fusarium head blight, a serious fungal disease that affects wheat, barley, oats and corn.
 - It has been present in Alberta at very low levels since 1989.
 - In late 2002, Alberta released the first comprehensive Alberta *Fusarium graminearum* Management Plan.

FORWARDED ON BEHALF OF MICHAEL HARDING – please contact Michael directly if you have any questions

Hi Everyone,

You may have heard that a Ministerial Order has removed *F. graminearum* from the Pest and Nuisance Control Regulation:

<https://www.alberta.ca/release.cfm?xID=72514D30E4AF6-EE45-1A2A-B403924DBDFD8082>

This note is to let you know that I still consider fusarium head blight to be a disease of concern in Alberta and therefore will be going ahead with the survey. I will be very grateful to any of you that can help support our surveillance this summer.

Feel free to e-mail or call me if you have questions:

michael.harding@gov.ab.ca

403-376-0835

Thanks,
Mike

Michael Harding, PhD
Research Scientist, Plant Pathology
Unit Lead, Plant and Bee Health Surveillance Section
Adjunct Faculty, Biological Sciences, University of Lethbridge

Crop Diversification Centre South
301 Horticultural Station Rd. E.
Brooks, AB T1R 1E6
403-362-1338

Call For Nominations

The Alberta Beef Producers (ABP) is seeking nominations for the 2021 Environmental Stewardship Award (ESA).

The ESA recognizes cattle producers whose natural resource stewardship practices contribute to the environment and enhance productivity and profitability. Take this opportunity to share your environmental practices with other producers and to present the positive story about cattle producers' contribution to the environment.

Nomination forms are available from the Alberta Beef Producers office or from ABP delegates. All cattle producers are encouraged to either enter or nominate another producer who they think may qualify.

The winner will receive a commemorative gate sign and an all-expenses paid trip for two from anywhere in Alberta to the 2021 ABP Annual General Meeting in Red Deer.

The competition is open to all cattle producers. Deadline for nominations is July 15, 2020 and the winner will be announced at the ABP Annual General Meeting, March 2021.

Send nominations to:	Alberta Beef Producers Environmental Stewardship Award 165, 6815 - 8th Street N.E. Calgary, Alberta T2E 7H7
	Email: KatelynI@albertabeef.org Phone: (403) 451-1183 Fax: (403) 274-0007

Rules For Competition:

- Stewardship is defined as the environmentally beneficial management of natural resources.
- All applications must be typed and submitted on letter sized paper (8.5x11) or submitted electronically.
- Color photographs, maps, etc., are encouraged. Please provide a brief description of each item.
- Two independent letters of recommendation are required with one coming from an agricultural professional.
- Deadline for nominations is July 15, 2020 (extensions may be granted under special circumstances by the ESA chairman)
- Judging teams will tour each applicant's operation by the end of August 2020.
- The winner will be officially announced in March at the 2021 ABP Annual General Meeting in Red Deer.
- All applicants will be informed of the decision in September 2020.

Section I - Description of Operation

1. Please supply the following information:
 - a. Name of Operation
Name of individual(s) to be recognized
Address
Town, Postal Code
Phone
Email
 - b. Does the cattle business provide your primary source of income? Yes/No
2. What is the nature of your current operation: (i.e. cow/calf, feedlot, backgrounder, other livestock, farming, etc. relative to production agriculture)
3. Discuss the history of your operation: (i.e. length of ownership, major changes in structure or business plan, number of acres, leased acres, crown lease acres, and other pertinent data, (information on acreage, stocking rate, herd numbers, etc. is encouraged but voluntary))

4. Give a brief ecological description of your land: (list cover types, terrain, water systems, average annual rainfall; if more than one property, list them separately by business name)
5. List all other uses of natural resources that provide income on your land: (examples include farming, timber, hunting, oil and gas production, mining, etc.)
6. List all organizations that your operation has utilized in environmental efforts: (government and non-government agencies i.e. PFRA, Ducks Unlimited, forage associations, etc.)

Section II - Discuss the Stewardship Goals of Your Operation

Please describe the resource management goals of your operation in terms of stewardship and conservation. Supporting information and benchmark data is encouraged. (use additional pages if necessary)

Section III - Stewardship Accomplishments

Describe specific, innovative stewardship practice(s) in detail pertaining, but not limited to, the following resources:

- energy
- water systems
- air
- vegetation
- wildlife
- soil
- manure

Include pertinent supporting information such as maps and photos. Before and after photos are encouraged. No videos will be accepted. (use additional pages if necessary)

Section IV - Productivity and Leadership

Please answer the following questions. (use additional pages if necessary)

1. How have your stewardship practices affected your cattle business, including productivity and profitability? (direct or indirect effects)
2. Discuss any of the following that are appropriate to your business.
 - a. Leadership activities or involvement in local, regional, and national efforts to improve stewardship among cattle businesses and/or the public's perception of the cattle industry. (i.e. public speaking and presentations, tours, etc.)
 - b. Involvement in cooperative research, demonstration, education, or government programs that promote environmental stewardship.
3. What reasons would you give to other producers for implementing these or similar conservation/stewardship programs in their business?
4. How does your cattle operation contribute to a positive public perception of cattle's impact on the environment?

Overview

The Agriculture Industry Advisory Committee is made up of a range of industry stakeholders who will provide strategic advice, review activities and make recommendations on future opportunities and emerging issues.

Committee members

This committee reflects the broad scope of Alberta's agriculture industry.



Jill Harvie

Committee co-chair and owner/operator of Harvie Ranching

Jill ranches with her husband, Cole, and their daughters near Olds, Alberta. Harvie Ranching runs 250 purebred polled Hereford and Charolais cattle, holds an annual bull sale and specializes in genetic exports globally.

Jill and Cole have had the honour of judging the national breed shows in Sweden, the United Kingdom, Denmark and the first national Hereford show in France. Jill has worked in the Canadian beef industry in animal health policy development and public

relations and recently her passion for agriculture can be seen through her new podcast called Food Careers.

Jill received a bachelor of applied science in agribusiness at Olds College and a diploma in agriculture in animal science from the University of Guelph.

-



Nichole Neubauer

Committee co-chair and owner/operator of Neubauer Farms

Established in 1910, Neubauer Farms grow grains, oilseeds and pulses on both irrigated and dryland acres in Southeast Alberta. Mark and Nichole Neubauer also produce dry forage and manage the native pasture that sustains their cow/calf operation.

Since 2005, the Neubauer's have proudly welcomed more than 20,000 students to their farm to provide an authentic, hands-on opportunity for children to learn all about where their food comes from.

In 2016, the Neubauer's were recognized as the BMO Farm Family of the Year and in 2017, they received the Medicine Hat and District Chamber of Commerce Small Business of the Year Award. Nichole currently serves on the Chamber of Commerce Agriculture Education Task Force and is an interim board member with Results Driven Agriculture Research.

-



Allison Ammeter

Chair, Plant Protein Alliance of Alberta and farmer

Allison and her husband of 30 years, Michael, operate a third-generation grain farm near Sylvan Lake, Alberta, cropping a rotation of canola, wheat, barley, faba beans and peas, practicing minimum tillage and using variable rate seeding technology.

Allison is a director and past-chair of Alberta Pulse Growers, current chair of Pulse Canada. She served as Canadian Chair of the International Year of Pulses 2016, and is currently chair of the Plant Protein Alliance of Alberta and a director with Protein Industries Canada and the Protein Highway initiative.

-



David Colwell

President and CEO of JBS Foods Canada

With more than 2600 team members, JBS Food Canada is one of the largest employers in southern Alberta and one of Canada's largest beef processors and case ready operations.

After opening up a new sales office in Florida, David relocated to Colorado to launch several new branded beef programs. He held various leadership roles in sales and marketing before leading a new customer satisfaction operations division focused on delivering exceptional service to our customers. David led the US Beef division and distribution channel as well as a part of the Pilgrims Pride company integration into JBS. He assumed the position of President of Canada in 2016 and currently lives in Calgary.

-



Jeff Fitzpatrick-Stilwell

Senior manager, Sustainability and Agriculture Lead, McDonald's Canada

Jeff is responsible for developing strategies to deliver against McDonald's global sustainability commitments and goals; for leading engagement with suppliers, NGOs and other key stakeholders across the Canadian agriculture value chain; and for identifying emerging issues and areas of future focus.

He is responsible for advancing the sustainable sourcing of all food and packaging for the Canadian market, as well as advancing the efforts to run the restaurants in a sustainable manner. He is also McDonald's North American lead for potato sustainability.

-



Bob Lowe

President, Canadian Cattlemen's Association

Bob is the President of the Canadian Cattlemen's Association, a council director of the Canadian Roundtable for Sustainable Beef, and a board member of the Global Roundtable for Sustainable Beef.

Bob is part of a long line of ranchers that came to Alberta in the late 1800's and continues that legacy with feedlot operations based in Nanton and a cow-calf operation in Eriksdale, Manitoba.

He is an outspoken advocate for sharing information about raising cattle, feedlots and best management practices, and promotes the understanding of the stewardship and conservation that is inherent in sustainable beef production. Bob has two children and two grandchildren. He is focused on farming for the future generations.

•



Jean-Marc Ruest

Senior vice-president, Corporate Affairs and General Counsel, Richardson International Limited

Jean-Marc joined Richardson International Limited in 2002 and is currently Richardson's senior vice-president, Corporate Affairs and General Counsel. In this role, he manages all legal affairs for Richardson International and its subsidiaries and is also responsible for general corporate affairs.

Jean-Marc has been actively involved in Canadian agricultural policy matters. He is currently the chair of Cereals Canada and of the Western Grain Elevators Association and past chair of the Canada Grains Council. He is also a board member of the Canadian International Grains Institute and of the Canadian Centre for Food Integrity.



John Simpson

Chair, CANA group of companies and owner/operator of Simpson Ranching

Simpson Ranching is a family-owned and operated cow/calf ranch and mixed grain farm which was first established in the Alberta foothills in 1956. The ranch has expanded its original holdings and its farming operation in order to run up to 1,000 Hereford cows.

John received the Alberta Centennial Medal and in 2008 he was inducted into the Spruce Meadows Hall of Fame.

After years of community service John also received honorary degrees from Mount Royal University and the University of Calgary.

John's community involvement includes the Foothills Hospital Board, Calgary Regional Health Authority, and the Dean's Advisory Committee for the University of Calgary's Faculty of Veterinary Medicine.



Baljit Singh

Dean, Faculty of Veterinary Medicine, University of Calgary

Baljit studied at Punjab Agricultural University, University of Guelph, the Texas A&M University and the Columbia University. He was a visiting professor at Hannover Medical School, Germany.

Baljit is a Fellow of Canadian Academy of Health Sciences, a recipient of 3M National Teaching Fellowship, Canada's highest teaching honour, and Master Teacher

Award, University of Saskatchewan. He was the President of the American Association of Veterinary Anatomists and the Canadian representative on the Council on Education for Veterinary Medicine. He has trained ~90 research students and published ~105 research papers and Textbook of Veterinary Anatomy.



Gary Stanford

Grain farmer and past chair, Alberta Wheat Commission

Former Alberta Wheat Commission (AWC) chair and region one director Gary Stanford farms near Magrath and has extensive experience on grain commission boards provincially and nationally.

Gary was part the AWC board since its inception in 2012. Previous to that, Gary was a board member with the Alberta Winter Wheat Producer Commission and the Grain Growers of Canada. Gary's interest in agriculture policy has been the driving force behind his many years of involvement with provincial and national grain commissions.

Gary grew up on farm near Cardston and attended Lethbridge College where he took agricultural studies. In 1980 Gary and his wife Diane where they still farm with their two sons. In 2018, the Stanford Family received the BMOM Farm Family Award.



COUNTY OF
Northern Lights

#600, 7th Ave NW, PO Box 10, Manning AB T0H 2M0
Phone 780-836-3348 Fax 780-836-3663
Toll Free 1-888-525-3481

May 27, 2020

Municipal District of Greenview No.16
Box 1079
Valleyview AB T0H 3N0

Attention: Denise Thompson, Chief Administrative Officer

Dear Denise:

SUBJECT: Intermunicipal Weed and Pest Appeal Board

At their meeting of May 26, 2020, the Council for the County of Northern Lights discussed your April 15, 2020 request to join the Intermunicipal Weed and Pest Appeal Board.

I am pleased to advise that the Council passed a motion to support the MD of Greenview's request to join the Intermunicipal Weed and Pest Appeal Board.

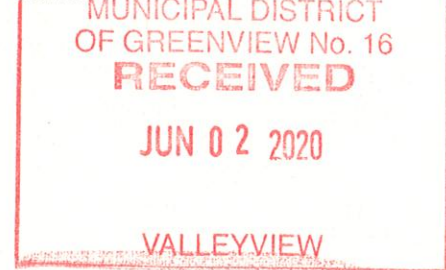
Thank you for your request to join and we believe that your inclusion in the Appeal Board will assist in ensuring the ability to provide impartial board members for each appeal the Board may be called to address.

Yours sincerely,

Theresa Van Oort
Chief Administrative Officer

Cc: Blake Gaugler, Agricultural Fieldman
Cindy Millar, CAO Northern Sunrise County
Jordan Panasiuk, CAO Big Lakes County

63-20-05





Box 10, Thorhild, AB T0A 3J0
Ph: 780-398-3741
Fax: 780-398-3748
Toll Free: 1-877-398-3777
www.thorhildcounty.com

June 10, 2020

Honourable Devin Dreeshen
Minister of Agriculture and Forestry
Office of the Minister
229 Legislature Building
10800-97 Avenue
Edmonton, AB T5K 2B6

State of Agricultural Disaster and Proposed Assistance

Honorable Devin Dreeshen,

Thorhild County Council unanimously declared a **State of Agricultural Disaster** within Thorhild County, at the June 9th Council meeting. Thorhild County Council would like to bring this dire situation to the attention of the Provincial Government and is requesting that you implement a 2020 Agriculture Disaster Recovery Program.

Excessive moisture conditions in the past years, coupled with 2020 spring thaw flooding and present-day rainfall has again caused severe impacts to the region's agriculture community and municipality. The consequences of overland flooding within Thorhild County has resulted in:

- inability to complete 2019 harvest
- failure to complete 2020 seeding
- loss of 2020 seeded acres
- pastureland and hay crops under water
- livestock displacement
- infrastructure tremendously affected; and
- impacts to local businesses

Thorhild County is dealing with the worst conditions seen in years. In June 2018, excessive flooding resulted in delays in seeding and harvesting. This continued in 2019, which then brought us to the current 2020 situation. Spring melt with unprecedented runoff and rain have halted farming activities for another season. In the last two weeks Thorhild County has received

between 7-10 inches of rainfall, with more proposed in the forecast. Thorhild County Council is extremely concerned with how this and COVID-19 are affecting the mental health of residents as they deal with:

- loss of farm income,
- unusable productive land,
- increased expenses for rehabilitating the land; and
- loss or reduction in secondary incomes due to COVID-19

On behalf of Thorhild County Council, thank-you in advance for your consideration of this urgent matter. I am available to provide further information and can be reached at 780-288-5308.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kevin Grumetza', with a stylized flourish at the end.

Kevin Grumetza
Reeve, Thorhild County

cc: Honourable Kaycee Madu, Minister of Municipal Affairs
Honourable Travis Toews, President of Treasury Board and Minister of Finance
Honourable Jason Nixon, Minister of Environment and Parks
Honorable Ric McIver, Alberta Minister of Transportation
Honourable Tyler Shandro, Minister of Health
Honorable Tanya Fir, Alberta Minister of Economic Development

Attachment

Attachment



Figure 1. Full quarters are almost completely flooded out and under inches of water. This is a field north of the Hamlet of Thorhild.

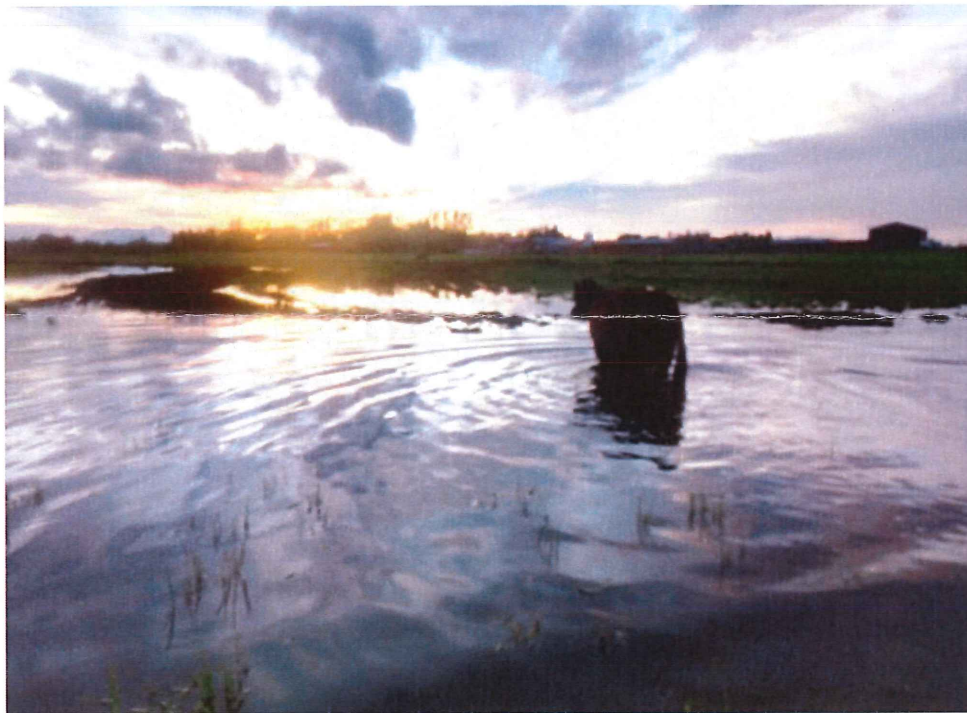


Figure 2. This photo depicts the pooling and loss of pasture. The cattle are up to or past belly height in some of the areas.



Figure 3. A field depicting water pooling 50-90% in places. These fields have been seeded and now are under water. Water levels continue rising due to moisture being received in the region.

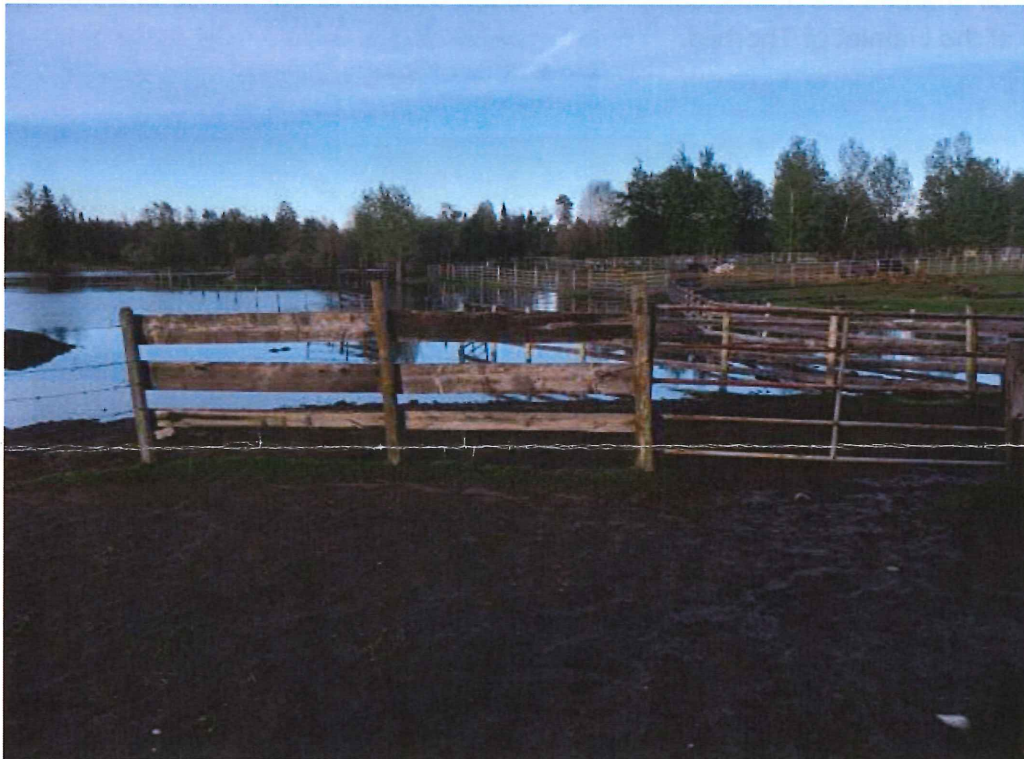


Figure 4. Cattle yards and pasture are flooded and make it difficult for farmers to access feed and pasture for summer grazing. You can see the siltation on the bottom of this photo due to water-logged conditions.