

SMOKY LAKE COUNTY

A G E N D A: County Council Meeting to be held for the
purpose of discussing the **Agricultural Service Board**
on

Tuesday, December 13th, 2022 at 1:00 o'clock P.M.

Held virtually through Electronic Communication Technology: Zoom Meeting:
<https://us02web.zoom.us/j/89579865196?pwd=ZVkwTVd2d05wZ0pJYmdHYThMMkN4Zz09>

Meeting ID: 895 7986 5196 Passcode: 875181

And with Council physically present in the County Council Chambers, Smoky Lake

1. Meeting:

- 1.1 Call to Order.
- 1.2 Election of Agricultural Service Board Chairperson
- 1.3 Election of Agricultural Service Board Vice-Chairperson.

2. Agenda:

Acceptance of Agenda:
as presented or
subject to additions or deletions.

3. Minutes:

- 3.1 Adopt minutes of **October 11th, 2022** – Agricultural Service Board Meeting. ©
Recommendation: Motion to Adopt.
- 3.2 Agricultural Service Board Meeting: October 11th, 2022 – **Action List.** ©
Recommendation: File for Information.

4. Request for Decision:

- 4.1 Policy Statement 62-22-05 Northlands Farm Family ©
- 4.2 Lakeland Agricultural Research Association (LARA) Farm Member Appointment ©

5. Issues for Information:

- 5.1 ASB Chairman's Report. ©

- 5.2 Agricultural Department Report. ©
- 5.3 Lakeland Agricultural Research Association (LARA) 2022 Highlights. ©
- 5.4 2022 Clubroot Surveys. ©

6. Correspondence:

- 6.1 Letter received from Dustin Vossler, Agricultural Service Board Chairman, Cypress County, dated November 2, 2022 RE: Rural Veterinarian Shortage in Alberta. ©

Recommendation: File for Information.

- 6.2 Letter received from Megan Evans, Executive Director, Alberta Invasive Species Council, dated November 3, 2022 RE: AISC Sponsorship. ©

Recommendation: Councils Decision.

- 6.3 Email received from Sheila Kaus, Manager of Agricultural Services, MD of Greenivew, November 15, 2022 RE: 2023 Provincial Agricultural Service Board Conference. ©

Recommendation: That Smoky Lake County Council and Agricultural Services administration who can attend the 2023 Provincial Agricultural Service Board Conference January 17th – 19th at the Tara Evet Centre in Grande Prairie, attend.

- 6.4 Letter received from Roger Houghton, Agricultural Service Board Chairman, Cardston County, dated November 25, 2022 RE: Rural Veterinarian Shortage in Alberta. ©

Recommendation: File for Information.

7. Delegation(s):

- 7.1 2022 Farm Family Award Recipient's plaque presentation
The Shwetz Family @1:30

8. Executive Session:

9. Date and time of Next Meeting(s):

Adjournment

SMOKY LAKE COUNTY



Minutes of the Agricultural Service Board Meeting held on Tuesday, October 11, 2022, at 9:10 A.M. held virtually online through Electronic Communication Technology: Zoom Meeting and physically in County Council Chambers.

The meeting was called to Order by the Chairperson, Dan Gawalko, in the presence of the following persons:

<u>Div. No.</u>	<u>Councillor(s)</u>	<u>ATTENDANCE</u> <u>Tuesday, Oct. 11, 2022</u>
1	Dan Gawalko	Present in Chambers
2	Linda Fenerty	Present in Chambers
3	Dominique Cere	Present in Chambers
4	Lorne Halisky	Present in Chambers
5	Jered Serben	Present in Chambers
CAO	Gene Sobolewski	Present in Chambers
Assist. CAO	Lydia Cielin	Virtually Present
Finance Manager	Brenda Adamson	Virtually Present
Acting Ag. Fieldman	Amanda Kihn	Present in Chambers
Assist. Ag. Fieldman	Tori Stang	Present in Chambers
Executive Services/R.S.	Patti Priest	Virtually Present
Communications Tech	Evonne Zukiwski	Virtually Present
Natural Gas Manager	Daniel Moric	Virtually Present
GIS Operator	Carole Dowhaniuk	Virtually Present
Fire Chief	Scott Franchuk	Virtually Present

Delegation: Amanda Mathiot, Cropping Coordinator, Lakeland Agricultural Research Association (LARA), was virtually present.

Carleigh Danyluk, Agricultural Fieldman, Smoky Lake County, (currently on maternity leave), was virtually present as an observer.

No Members of the Media were Present.
No Members of the Public were Present.

2. Agenda:

1093-22: Fenerty That the Smoky Lake County Agricultural Service Board Meeting Agenda for Tuesday, October 11, 2022, be adopted as amended:

Addition to the Agenda

1. Grow What We Eat, Eat What We Grow - Workshop at the Gathering Place Co-op..

Carried Unanimously.

3. Minutes:

1094-22: Halisky That the Minutes of the Smoky Lake County Agricultural Service Board Meeting held on Tuesday, August 16, 2022, be adopted as presented.

Carried.

1095-22: Halisky That the Action List from the Smoky Lake County Agricultural Service Board Meeting held on Tuesday, August 16, 2022, be adopted as presented.

Carried.

5. Issues for Information:

Agricultural Service Board Chairperson's Report

The Agricultural Service Board Chairperson: Dan Gawalko, provided the following written Agricultural Service Board Chairperson's report:

LARA Board of Directors Meeting – October 3, 2022
Dan Gawalko councillor division one

- Dan Gawalko councillor division one
- Kellie talked about some of the safety concerns no working alone policy lack of trained staff with first aid still using older boomers that require snipes to secure loads and a lack of fire extinguishers in equipment they will be updating some safety equipment and policies now
- Wanda gave her chair report she attended all the plot tours and had a meeting with Farmrite
- Farmrite hired an advocacy group to try and get more funding, core funding is in the air, research associations submitted a rough draft to RDAR a surviving and a thriving model RDARs mandate is to fund producer associations agriculture is an economic driver in Alberta call or talk to your MLA
- Kellie gave the executive directors report working on financials repairing equipment and purchased some ergonomic chairs for staff also in her AESA report EFPs are steady working on connect for food events meeting with living labs and canola council, will be switching to blue cross for health benefits for staff and she also presented the financial report
- Amanda gave the cropping report field tours had good attendance the trials were approved spraying has been done and will be bringing in quotes for a new sprayer and will look at drone sprayers also, combine is working well only fava beans left to harvest and the research tech has given notice that she will be leaving
- Megan gave the livestock and forage report silage trials are done looking at a proposal to RDAR for more funding
- Wanda gave the LFA report they will be looking for a new pasture manager next year, full count of 380 heifers came out of the pasture with good weights
- Talked about OFCAF (on farm Canada action fund) up to 75,000 dollars for producer for grazing, cover crops, cross fencing next years funding will reopen in February 2023
- Upcoming events will be presented at the next ASB meeting
- Directors went into closed session to discuss an employee issue under FOIP
- Next meeting will be in Ashmont on October 31 @ 10:00 am
- For more information on the financials or the minutes of the meeting please contact the executive director of LARA in Ft. Kent.

Agricultural Service Board Chairperson's Report

1096-22: Halisky

That the Smoky Lake County Agricultural Service Board Chairman's report for the period: August 12, 2022 to October 11, 2022, in regard to the Lakeland Agricultural Research Association (LARA), be accepted for information.

Carried.

Agricultural Service Board Department's Report:

Sale of Capital Equipment - Unit 454, Year-2012, 24', Enclosed Interstate Trailer

1097-22: Cere

That Smoky Lake County advertise to sell the Agricultural Service board Department's Unit 454, Year-2012, 24', Enclosed Interstate Trailer, as is - where is, with a sale value in the amount of \$10,000.00 or best offer pending Council's approval; as there was no successful sale of the said trailer with an anticipated sale value in the amount of \$16,500.00, further to the June 17, 2022, Motion #779-22.

Carried.

Agricultural Service Board Department's Report

1098-22: Halisky That Smoky Lake County Agricultural Service Board department's written report as of October 11, 2022, be accepted and filed for information.

Carried.

7. Delegation:

Lakeland Agricultural Research Association (LARA)

Virtually present before the Smoky Lake County Agricultural Service Board from 9:33 a.m. to 9:49 a.m., was Amanda Mathiot, Cropping Coordinator, Lakeland Agricultural Research Association (LARA), to provide Council a verbal report of LARA activities, including but not limited to the following points:

- Harvest has been completed as of last week.
- The hemp trial has been pulled and is being sent away for THC testing and analyzing, as required by regulations.
- Lots of feed samples are coming in – all producers within Smoky Lake County each get 2 samples analyzed for free.
- Receiving may calls for Environmental Farm Plans (EFP).
- Extension events:
 - October 26, 2022 – “CowBytes” key principles of ration balancing with Ruminant Nutritionist Barry Yaremco.
 - November 17, 2022 – “When Stress is More Than a Season” – Lesley Kelly.
 - November 18, 2022 – “Young Farmer Social”, a night of great food, networking and a special presentation from Lesley Kelly.
 - December 16, 2022 – “From the Ground Up”, find ways to improve your soil health and overall
- Calf trials are wrapping up.
- October 13-15, 2022 is the Soil Health & Winter Grazing Conference in Edmonton.

Lakeland Agricultural Research Association (LARA)

1099-22: Serben That the Smoky Lake County Agricultural Service Board, accept the verbal report from Alyssa Krawchuk, Manager, Forage and Livestock Program, Lakeland Agricultural Research Association (LARA), for information as presented on October 11, 2022.

Carried.

Amanda Mathiot, Cropping Coordinator, Lakeland Agricultural Research Association (LARA), virtually left the meeting, time 9:55 a.m.

One Member of the Public, virtually joined the meeting, time 10:05 a.m.

Lydia Cielin, Assistant Chief Administrative Officer, virtually left the meeting, time 10:50 a.m.

Bob Novosiwsky, Public Works Road Foreman, entered Chambers, time

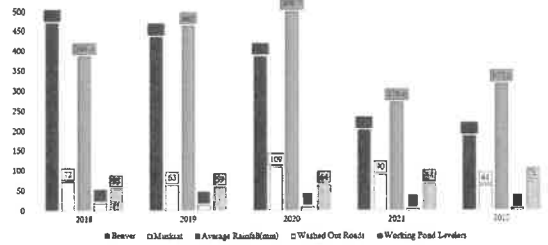
Animal Control Technician

The Agricultural Service Board Council was provided a slide show as presented by Trevor Cameron, Animal Control Technician which included but was not limited to the following information:

- What is an Animal Control Technician
 - o As Smoky Lake Counties Animal Control Technician I am tasked with ensuring our infrastructure is not compromised by problem wildlife, specifically Beaver and Muskrat. I install and maintain the pond levelers and ensure grates are installed at problem culverts. I clean blockages from culverts and blast dams. I also respond to calls of stray dogs throughout the county and either pick them up or trap these dogs and take them to the pound.

Beaver & Muskrat Summary

Catches vs Yearly Precipitation & Number of Flooded Roads



- Integrated Management Plan
 - o An IMP is the idea of using a wide variety of control methods to stop and issue, fix it, and prevent it from happening again.
 - o This approach can be as simple as a single control method, or a combination of several.
 - o By using an IMP we are able to proactively manage beavers and save infrastructure before the damage has been caused, rather than react to the problem when it's too late.
- Trapping and Shooting
 - o Trapping of Muskrats and Beavers can involve many different variations of sets and traps to be successful and efficient.
 - o Weather, Safety, and terrain all factor into what sets are being used.
 - o Traps used must adhere to the International Agreement on Humane Trapping Standards which is in international law enforced by provincial Fish And Wildlife officers.
 - o Trapping and shooting are conducted when laws dictate by open season or under DCL if required.
 - o Shooting is used as a last resort as it is time consuming and less effective than trapping.
- Control By Season
 - o Under Ice Trapping
 - Allows for access to areas inaccessible during open water season
 - Easier to catch educated beaver
 - AEP allows for trapping of crown lands
 - Safe to trap parks, campgrounds, public areas
 - Fur can be utilized instead of wasted
 - Allows for "clean up" of beavers not previously known about.
 - Proactive Trapping
 - o Open Water Trapping
 - Easier to confirm the entire colony has been removed
 - Pertains mostly to at or around culvers and other problem area sites.
 - Hazardous to pets and children and the public
 - Not recommended near parks, shorelines, public areas, and campgrounds
 - Hides are wasted as there is no commercial value
 - Reactive Trapping

Bob Novosiwsky, Public Works Road Foreman, and Trevor Cameron, Animal Control Technician, left Council Chambers, time 11:27 a.m.

8. Executive Session:

1100-22: Halisky

That Smoky Lake County Council go into Executive Session to discuss a Personnel Issue in regard to the Animal Control Technician, under the authority of the FOIP Act, Section 24: Advice from Officials, in the presence of all Council, Chief Administrative Officer, Interim Agricultural Fieldman, Temporary Assistant Agricultural Fieldman, and in the virtual presence of the Assistant Chief Administrative Officer, Finance Manager, and Executive Services Clerk, time 11:35 a.m.

Carried.

1101-22: Cere

That Smoky Lake County Council go out of Executive Session, time 11:49 a.m.

Carried.

Animal Control Technician Position

1102-22: Cere That Smoky Lake County Council approve to make the temporary fulltime salaried Animal Control Technician position **permanent**, further to the August 24, 2021, Regular Council Meeting, Motion #1073-21, which approved the temporary position for the term of November 1, 2021 to October 31, 2022.

Carried.

2022 Roadside Mowing Progress Map

1103-22: Halisky That Smoky Lake County's Agricultural Service Board accept Smoky Lake County's Year-2022 Roadside Mowing Progress Map as of September 29, 2022, for information.

Carried.

2022 Roadside Spraying Progress Map

1104-22: Serben That Smoky Lake County's Agricultural Service Board accept Smoky Lake County's Year-2022 Roadside Spraying Progress Map as of September 12, 2022, for information.

Carried.

2022 Pest Monitoring – Bertha Armyworm Monitoring

1105-22: Halisky That Smoky Lake County's Agricultural Service Board accept the 2022 Pest Monitoring – Bertha Armyworm Monitoring final report from July 26, 2022, for information.

Carried.

Provincial Agricultural Service Board Report Card on Resolutions 2022

1106-22: Cere That Smoky Lake County's Agricultural Service Board acknowledge receipt of the provincial Agricultural Service Board Report Card on Resolutions for 2022, as follows:

- #1-22 Vegetation Management on Alberta Provincial Highways - *Accept in Principle*;
- #2-22 Restoration of Alberta Agriculture, Forestry and Rural Economic Development Regional Network of Experts - *Accept in Principle*;
- #3-22 Celebrate Canada Agriculture Day in Alberta Schools (Feb 22, 2022) - *Accept the Response*;
- #4-22 Properly Managing Ungulate Populations – *Incomplete*;
- #5-22 Exemption of Natural Gas and Propane for Agriculture Under the Greenhouse Gas Pollution Pricing Act – *Incomplete*;
- #6-22 Amendments to The ASB Conference Resolution Rules of Procedure - *Accept the Response*.

Carried.

Northeast Regional Agricultural Service Board Conference

1107-22: Halisky That Smoky Lake County's Agricultural Service Board members who can attend – attend the Northeast Regional Agricultural Service Board Conference, scheduled for November 4, 2022, to be held at the Ashmont Agriplex, Ashmont, Alberta.

Carried.

5. Correspondence:

InnoTech Alberta

1108-22: Halisky That the information received by Smoky Lake County's Agricultural Service Board from Jan J. Slaski, CHTA Director & Expert Researcher, Plant Sciences, InnoTech Alberta, dated September 12, 2022, in respect to the Year-2022 National Hemp Conference, scheduled for November 15-17, 2022 to be held in Saskatoon, Saskatchewan, be filed for information.

Carried.

Adequacy and Affordability of Crop Insurance for Market Gardens.

1109-22: Halisky That the letter received by Smoky Lake County’s Agricultural Service Board from Connie Huelsman, Agricultural Service Board Chair, Red Deer County, dated September 20, 2022, in respect to adequacy and affordability of crop insurance for market gardens, be filed for information.

Carried.

Addition to the Agenda:

Grow What We Eat, Eat What We Grow Workshop at Gathering Plan Co-op..

1110-22: Halisky That Smoky Lake County’s Agricultural Service Board who can attend – attend the “Grow What We Eat, Eat What We Grow” Workshop scheduled for October 19, 2022 from 10:00 a.m. to 3:00 p.m. at the Gathering Plan Co-op., as presented by Community Futures in partnership with NE AB Food Marketers Association; and promote the event on County social media.

Carried.

4. Request for Decision:

Policy Statement No. 62-28-05: Mowing Program

1111-22: Halisky That Smoky Lake County Agricultural Service Board amend the Smoky Lake County Policy Statement No. 62-28-05: Mowing Program:

Title: Mowing Program		Policy No.: 28-06
Section: 62	Code: P-R	Page No.: 1 of 3 E
Legislation Reference: Alberta Provincial Statutes		
Purpose:	Smoky Lake County will govern the municipal mowing program on developed road allowances and County lands under the Agricultural Service Board.	
Policy Statement and Guidelines:		
1. STATEMENT:		
1.1	Smoky Lake County will mow developed road allowances annually to maintain safe visibility for the travelling public and to improve drainage of infrastructure.	
1.2	The mowing program promotes effective control of weeds and brush within the municipal right-of-way encroaching the roads surface.	
1.3	The County will mow County lands on a as needed basis.	
2. DEFINITION(S):		
2.1	County Lands: Property owned and/ operated by Smoky Lake County	
2.2	Developed Road Allowances: Road allowances containing a gravel or hard surfaced roadway under the jurisdiction of Smoky Lake County.	
3. OBJECTIVES:		
3.1	Define areas that will be mowed within the right-of-way and on County lands.	
3.2	Provide the level of right-of-way mowing as set out by the Agricultural Service Board.	
3.3	The County’s desire to achieve the following objectives with its roadside mowing program: <ul style="list-style-type: none"> ▪ to assist with weed control by preventing the seed set of noxious weeds in the right-of-way and to cut any brush regrowth encroaching on the road ▪ to enhance road maintenance with minimal gravel loss and allow positive drainage of rainwater to be more efficiently channeled to the right-of-way ▪ to increase visibility of wildlife crossing and reduce obstructed visibility of signs at intersections for the safety of the travelling public ▪ to provide a fire break and reduce the amount of fire load material in right-of-way. ▪ To prevent drifting on roads, where the blowing snow will travel across the road, rather than being trapped by standing vegetation which will travel across 	
4. GUIDELINES:		
4.1	The mowing program will be developed and planned by the Agricultural Service Board and implemented through the Agricultural Services Department. The defined mowing areas consist of three (3) zones, divided using range road 150 and Highway 855 as boundaries.	

Title: Mowing Program		Policy No.: 28-06	
Section: 62	Code: P-R	Page No.: 2 of 3	E
Policy Statement and Guidelines:			
4.2	Roadside prep and equipment maintenance will commence 2 weeks prior to mowing program start date.		
4.3	Mowers will begin mowing operation the third week in May. All mowing operations will cease no later than November 1 st .		
4.4	Mowing Operations consist of three (3) tractors and mowers used to cut grass, brush, and noxious weeds. These mowers are able to accomplish a significant amount of mowing and right-of-way clearing very efficiently when compared to other methods of mechanical control.		
4.5	Without limiting the program or its effectiveness, it will generally be planned as following:		
4.5.1	Developed Road Allowances will be mowed twice a season: All grassy areas along oiled, or gravel roads receive a shoulder pass first, meaning one width of the mower. A second seasonal pass to the property line will be completed once all developed road allowances have received the first seasonal shoulder pass. The second seasonal pass will be completed where the mowers began mowing in the early season and if there is high grass regrowth, and approved by the Agricultural Fieldman. <ul style="list-style-type: none"> • Mowers will begin mowing outwards from their 'home base' to avoid high blading and eliminate unnecessary travel. • These secondary passes to the property line should be a minimum of 5ft. • Main roads into lake resorts will only be mowed prior to the July and August long weekends (two seasonal passes per year) • Township Road 610 from Range Road 181 East to HWY 855 (gravel haul road) and Victoria Trail will be mowed in conjunction with the lake resorts prior to July and August long weekends (two seasonal passes per year) • The Iron Horse Trail shall only be mowed once per season • It is recognized that inclement weather, such as rain and early winter could prevent completion of the program 		
4.6	All other mowing requests will be at the discretion of the Agricultural Service Board and added to Schedule "A" Approved Additional Mowing		

Section 62

Policy: 28-06



SCHEDULE "A"
APPROVED ADDITIONAL MOWING

Metis Crossing
Smoky Lake Rodeo Grounds
Smoky Lake Air Strip
Hamlin Ball Diamonds
Waskatenau Ball Diamonds
Bellia Ball Diamonds
Bonnie Lake Enviro Reserve 7921626
Victoria Trail

9. Date and time of Next Meeting(s):

Next Meeting

1112-22: Halisky

That the next Smoky Lake County Agricultural Service Board Meeting be scheduled for **Tuesday, December 13, 2022, at 9:00 a.m.** to be held virtually, through Electronic Communication Technology as per Bylaw 1376-20 **and/or** physically in County Council Chambers.

Carried.

ADJOURNMENT:

1113-22: Cere

That the Smoky Lake County Agricultural Service Board Meeting of October 11, 2022, be adjourned, time 12:19 p.m.

Carried.

CHAIRPERSON

S E A L

CHIEF ADMINISTRATIVE OFFICER



AGRICULTURAL SERVICE BOARD (ASB) ACTION LIST

2022/11/30

5
GOALS

100%
GOAL COMPLETION

● Draft ● Not started ● Behind ● On Track ● Overdue ● Complete → Direct Alignment --- Indirect Alignment

GOAL

Meetin...	Motio...	Goal	Details	Owner	Progress Update	Cur...
		2022 10 11 Agricultural Service Board				Comple 100 / 100
2022/10/11	1097-22	→ Sale of Capital Equipment - Unit 454, Year-2012, 24', Enclosed Interstate Trailer	That Smoky Lake County advertise to sell the Agricultural Service board Department's Unit 454, Year-2012, 24', Enclosed Interstate Trailer, as is - where is, with a sale value in the amount of \$10,000.00 or best offer pending Council's approval; as there was no successful sale of the said trailer with an anticipated sale value in the amount of \$16,500.00, further to the June 17, 2022, Motion #779-22.	Agricultural Fieldman	<p>Amanda Kihn: Achievements: Enclosed trailer was payed for and picked up on November 17, 2022. Challenges: <i>No value</i> Next Steps: <i>No value</i></p> <p>Patti Priest: Achievements: November 15, 2022, Council Motion # 119-22: That Smoky Lake County Council accept the offer in the amount of \$9,000.00 plus GST for a total in the amount of \$9,450.00 payable to Smoky Lake County from Matt Woynarowich, to purchase the County's Agricultural Service Board Department's surplus capital equipment described as Unit 454, an enclosed Interstate trailer. Challenges: <i>No value</i> Next Steps: <i>No value</i></p>	Comple 100 / 100

3.2

Amanda Kihn:**Achievements:**

- Enclosed trailer was viewed by prospective buyers on October 26 and November 8, 2022.
- An offer for \$9,000+GST was received and will be brought forward to the Departmental Meeting on November 15th.

Challenges: *No value*

Next Steps: *No value*

Evonne Zukiwski:

Achievements: Trailer for Sale ad has been updated to reflect the new asking price and advertised in the following places:

- November edition of the Smoky Lake County Grapevine (published the week of November 9, 2022)
- Posted to the Smoky Lake County website on October 18, 2022
- Scheduled to appear on Smoky Lake County social media channels on October 20 and November 3 (scheduled October 20, 2022)

Challenges: *No value*

Next Steps: *No value*

Amanda Kihn:

Achievements: Unit 454 Enclosed Interstate Trailer was re-posted on Kijiji with the updated price of \$10,000 OBO +GST on October 19, 2022.

Challenges: *No value*

Next Steps: *No value*

Meetin...	Motio...	Goal	Details	Owner	Progress Update	Cur...
2022/10/11	1102-22	→ Animal Control Technician Position	That Smoky Lake County Council approve to make the temporary fulltime salaried Animal Control Technician position, permanent, further to the August 24, 2021, Regular Council Meeting, Motion #1073-21, which approved the temporary position for the term of November 1, 2021 to October 31, 2022.	Agricultural Fieldman	<p>Patti Priest:</p> <p>Achievements: A copy of motion 1102-22 was provided to Payroll by email on October 11, 2022. A Management policy with the job description will be created accordingly.</p> <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i></p>	Comple 100 / 100
2022/10/11	1110-22	→ Grow What We Eat, Eat What We Grow Workshop at Gathering Place Co-op..	That Smoky Lake County Agricultural Service Board who can attend – attend the “Grow What We Eat, Eat What We Grow” Workshop scheduled for October 19, 2022 from 10:00 a.m. to 3:00 p.m. at the Gathering Place Co-op., as presented by Community Futures in partnership with NE AB Food Marketers Association; and promote the event on County social media.	Agricultural Fieldman	<p>Amanda Kihn:</p> <p>Achievements: Tori & Amanda attended the Connect for Food 'Grow what we eat, eat what we grow' Workshop on November 19th at the Gathering Place Co-op.</p> <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i></p> <p>Evonne Zukiwski:</p> <p>Achievements:</p> <ul style="list-style-type: none"> • Grow What We Eat, Eat What We Grow Workshop promoted on Smoky Lake County social media channels on October 14, 2022 <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i></p>	Comple 100 / 100

Meetin...	Motio...	Goal	Details	Owner	Progress Update	Cur...
2022/10/11	1111-22	↳ Policy Statement No. 62-28-05: Mowing Program	That Smoky Lake County Agricultural Service Board amend the Smoky Lake County Policy Statement No. 62-28-05: Mowing Program: (also add Victoria trail)	Agricultural Fieldman	<p>Amanda Kihn:</p> <p>Achievements:</p> <ul style="list-style-type: none"> • Policy changes were made to update program changes and include Victoria Trail and policy was forwarded to Municipal Clerk for formatting and distribution On October 13th, 2022. <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i></p> <p>Jenna Preston:</p> <p>Achievements: Policy Statement No. 62-28-06: Mowing Program, was sent to Communications on October 13, 2022. A policy memo was released to staff on October 14, 2022 when it was posted to the website. The policy was recorded for monitoring and Tracking purposes.</p> <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i></p>	Complet 100 / 100



REQUEST FOR DECISION		DATE	December 13 th , 2022	4.1
TOPIC	Policy Statement 62-22 Northlands Farm Family Award			
PROPOSAL	Smoky Lake County Agricultural Service Board nominated the Shwetz Family for the 2022 Farm Family awards. We need to update schedule "A" to reflect this year's winners and present them with a plaque on behalf of Smoky Lake County as per policy 62-22-05.			
CORRELATION TO BUSINESS (STRATEGIC) PLAN				
LEGISLATIVE, BYLAW and/or POLICY IMPLICATIONS				
BENEFITS	This award is to recognize outstanding farm families in an area of our municipality who best exemplifies the value of the family farm and society in general.			
DISADVANTAGES				
ALTERNATIVES		None		
FINANCE/BUDGET IMPLICATIONS				
Operating Costs:		Capital Costs:		
Budget Available:		Source of Funds:		
Budgeted Costs:		Actual Costs:		
INTERGOVERNMENTAL INVOLVEMENT/IMPLICATIONS				
COMMUNICATION STRATEGY				
RECOMMENDATION				
<p style="color: red;">That the Smoky Lake County Agricultural Service Board add the Shwetz Family as the recipient from Division 5 to Schedule "A" of Policy Statement 62-22-05 Northlands Farm Family for 2022.</p>				
Agricultural Fieldman				

SMOKY LAKE COUNTY



Title: Northlands Farm Family Award	Policy No.: 22-05	
Section: 62	Code: P-R	Page No.: 1 of 3 <i>E</i>

Legislation Reference:	Alberta Provincial Statutes
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Purpose:	To provide a guideline for the Northlands Farm Family Award.
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Policy Statement and Guidelines:	
1. STATEMENT:	<p>1.1 County Council acknowledges the significant contribution made by farm families in Alberta and is proud to recognize residents in Smoky Lake County who are eligible to receive the Northlands Farm Family Award.</p>
2. DEFINITION:	<p>2.1 “Farm Family” means a family whose primary income is derived from agricultural production.</p>
3. GUIDELINE:	<p>3.1 Residents of Smoky Lake County who are considered a “farm family” and meet the requirements of the Northland Farm Family Award will be eligible for nomination by the Smoky Lake County Agricultural Service Board.</p>
4. PROCEDURE:	<p>4.1 Each division will have the opportunity to nominate one of their constituents on a rotating basis once every two years. Please see <i>Schedule “A” Northlands Farm Family Award Divisional Rotation/ List of Past Recipients.</i></p> <p>4.2 Councillor representing the division of the nominated family will be the County representative at the Northlands award ceremony. If unable to attend ASB Chairman, Agricultural Fieldman or other designate may be appointed to attend by the ASB.</p> <p>4.3 Applicants will be notified when the Award is prepared and invited to receive a plaque on behalf of the ASB. Please see <i>Schedule “B” Northlands Farm Family Award Plaque.</i></p>

	Date	Resolution Number
Approved	February 4, 2013	#370-13 - Page #10460
Amended	January 9, 2015	#250-15 - Page #11526
Amended	March 6, 2017	#428-17 - Page #12547
Amended	December 12, 2018	#196-18 - Page #13405
Amended	December 8, 2020	#137-20 - Page #14365



SCHEDULE "A"

NORTHLANDS FARM FAMILY AWARD – DIVISIONAL ROTATION AND PAST RECIPIENT LIST

2024 Division 4
 2026 Division 2
 2028 Division 3
 2030 Division 1

2022	Shwetz Family	Div. 5
2020	Huk Family Farm	Div. 1
2018	Barry Feniak Family	Div. 3
2016	Dmetruik Farms	Div.2
2014	Ryan Franchuk	Div.4
2012	Curtis Boychuk	Div.5
2010	Roy Mulkay	Div.1
2008	Don Christensen	Div.3
2006	Shapka Family	Div.2
2004	Ed Doktor	Div.4
2002	Barry Przekop	Div.5
2001	George Balash	Div.1
2000	Gary Kulka	Div.3
1999	Billy Hominiuk	Div.2
1998	Ken Danyluk	Div.4
1997	Jack Jarema	Div.5
1996	Peter Flondra	Div.1
1995	Terry Melnyk	Div.3
1994	Bernie Buyar	Div.2
1993	John Semeniuk	Div.3
1992	Clinton Phillips	Div.3
1991	Henry Melnyk	Div.3



Schedule "A": Northlands Farm Family Award – Divisional Rotation

Page 2 of 3.

Section 62

Policy 22-05



SCHEDULE "B"

NORTHLANDS FARM FAMILY AWARD PLAQUE

**Congratulations
To
ABC Farms Inc.
John and Jane Smith**

**Northlands / ATB Farm Family Award
YEAR Recipient**

**Nominated by
Smoky Lake County
Agricultural Service Board**

Presented; Month Day Year

Note: Title may change dependent on Northlands official title and corporate sponsor



REQUEST FOR DECISION		DATE	December 13 th , 2022	4.2
TOPIC	Lakeland Agricultural Research Association Farm Member Appointment			
PROPOSAL	Charlie Leskiw has sat on the LARA board as a farm member for 8 years and now his term is up. He has expressed interest in continuing to sit on the board as a farm member for another 2 years.			
CORRELATION TO BUSINESS (STRATEGIC) PLAN				
LEGISLATIVE, BYLAW and/or POLICY IMPLICATIONS				
BENEFITS				
DISADVANTAGES				
ALTERNATIVES				
FINANCE/BUDGET IMPLICATIONS				
Operating Costs:		Capital Costs:		
Budget Available:		Source of Funds:		
Budgeted Costs:		Actual Costs:		
INTERGOVERNMENTAL INVOLVEMENT/IMPLICATIONS				
COMMUNICATION STRATEGY				
RECOMMENDATION				
<p style="color: red;">That the Smoky Lake County Council recommend the reappointment of Charlie Leskiw as a Farm Member representative for Smoky Lake County for the Lakeland Agricultural Research Association Board for another 2-year term: 2023 to 2025.</p>				
Agricultural Fieldman				

BY FARMERS. FOR FARMERS.

A collaborative network of research associations, we provide impactful, meaningful innovation, applied and adaptive research, adoption and extension value to regional producers. The network embodies expertise from farmers, agribusiness, scientists, educators, governments, and consumers. Within the network we bring various expertise that includes crops, beef, livestock, soil conservation and forage, forage seed and forage extension.

We are ideally positioned to provide:

- Relevant, regionally focused agricultural innovation
- Unbiased, regionally trusted agricultural expertise and connection
- Knowledge mobilization by adaptive and applied research & extension
- Regional support for aligned provincial initiatives and programs

- Battle River Research Group (BRRG)
- Chinook Applied Research Association (CARA)
- Farming Smarter (FS)
- Foothills Forage and Grazing Association (FFGA)
- Grey Wooded Forage Association (GWFA)
- Gateway Research Organization (GRO)
- Lakeland Agricultural Research Association (LARA)
- Mackenzie Applied Research Association (MARA)
- North Peace Applied Research Association (NPARA)
- Peace Country Beef and Forage Association (PCFBA)
- SARDA Ag Research
- West Central Forage Association (WCFA)



“

While we all know that the pandemic, the invasion of Ukraine, and soaring inflation challenge every aspect of our lives, out on the Alberta landscape farmers plant crops with their famous dogged determination or, as I like to refer to it, the Albertan spirit. Farming requires accepting change and adopting practices that sustain soil and water.

Fortunately, in Alberta we have a class of nonprofit associations dedicated to finding the best ways for farmers to adapt to change. They are a network of regionally focused, on-farm innovation hubs across the province.

Nathan Neudorf, MLA Lethbridge East
May 24, 2022 Member Statement

COMMUNITY NEED

Network associations contribute critical work that helps producers adopt new practices and techniques that bolster farms and the provincial agricultural economy. Regional association members value the work by local colleagues and universities, however, it's critical to recognize the work of research associations goes beyond that of post-secondary institutions and best suits member needs.

PROCESS: In 2020, government consultation with the agricultural sector determined that farmers working collaboratively with researchers provided relevant research projects with adoptable outcomes. In response, the government created Results Driven Agriculture Research (RDAR). To date, RDAR lacks support for regional associations and focuses on individual projects. This significantly impacts regional associations' ability to deliver on regional mandates within the fiscal restraints.

FUNDING: Annual government funding for regional associations remains at \$2M - \$2.5M for over two decades. This barely supports resource and overhead costs not covered by other forms of funding. The current funding arrangement ends March 2023. The agricultural landscape demands increased innovation and responsiveness to the changing environment to continue to support Alberta's second largest export sector.

FILLING THE GAP: More producers turn to regional associations for support since the demise of government extension specialists. They seek unbiased information on adoptable practices and new technologies to remain globally competitive. At present, we do our best to be a conduit between researchers and farmers in spite of no funding growth.

HARMONIZED FUNDING PROPOSAL: FarmRite is proposing funding across our associations for 5-year terms, with inflation adjustments each year.

Both options provided below include funding for:

- **Items not covered through alternative funding:** Personnel, administration costs, and knowledge transfer programming.
- **Equipment and Facility Maintenance/Replacement:** Ongoing funding to help build capital reserves for equipment and facility acquisition and maintenance in addition to immediate capital to support various infrastructure assets in advanced state of disrepair.

With two options for consideration:

SUSTAIN SCENARIO

Total Harmonized Base Fund request is **\$8M per year for 5 years** (inflation adjusted each year). There is an additional urgent need for a \$3.2M capital injection.

THRIVE SCENARIO

Total Harmonized Base Fund request is **\$12M per year for 5 years** (inflation adjusted each year). The same capital injection requirement of \$3.2M remains.

EXPECTED RESULTS

A recent economic analysis performed by [Serecon](#), shows the positive economic impact of Associations' work as 30:1 to Alberta's agriculture industry. Alberta's research associations are good stewards of government funding and have a proven track record of being a good investment.

The proposed 5-Year Harmonized Base Funding model will support a portion of staff and overhead costs not covered by other funding sources. This government investment will ensure Associations are sustainable, vibrant entities, positioned to continue to deliver agriculture services throughout Alberta for decades to come.



20
GOALS

62%
GOAL COMPLETION

AMANDA KIHN

(ASB) PHYSICAL ENVIRONMENT

Goal	Progress Update	Tasks	Current Completion
Dog Catching 2022	<p>Amanda Kihn:</p> <p>Achievements: Since October 11 ASB Meeting</p> <ul style="list-style-type: none"> 9 dog calls <ul style="list-style-type: none"> 4 dog picked up and taken to Edmonton Humane Society <p>Challenges: The local pound shutting down makes responding to stray dog calls more time consuming for the Animal Control Technician as he will be taking them to the Edmonton Humane Society until a long term solution is found.</p> <p>Next Steps: <i>No value</i> 2022/11/08</p>		<p>On Track 80% 80 / 100</p>
→ Dog Catching Phone Calls 2022 0 Call(s)			<p>On Track 101% 38 / 100 Call(s)</p>
→ Dog Catching Success 2022 0 Dog(s)			<p>On Track 101% 36 / 100 Dog(s)</p>
Administrative Activity 2022 : 100%	<p>Amanda Kihn:</p> <p>Achievements:</p> <ul style="list-style-type: none"> Attend weekly toolbox meetings @ shop Weekly Managers Meetings Take ratepayer phone calls regarding Ag concerns 		<p>On Track 86% 86 / 100%</p>

5.2

- ASB Meeting October 11th and follow up from meeting
 - Unit 454 enclosed trailer ad was re-posted on kijiji and shared on social media with the updated price of 10,000 OBO
- Tori took Joint Health & Safety Committee training October 12
- Departmental Meeting report October 12
- Farm Family Award plaque was ordered and picked up October 14 to be presented at upcoming ASB Meeting
- Conference call with Alberta Environment regarding Water Act Application for dam removal on crown land October 17
- Council Budget meeting October 17
- Council Departmental Meeting October 18
- Tori & Amanda attended "Grow what we eat, eat what we grow" Connect for Food Workshop in Waskatenau October 19
- Amanda attended virtual Professional Vegetation Managers Association (PVMA) conference for pesticide credits October 20
- AAAF meeting October 25
- Showed Unit 454 enclosed trailer to prospective buyer October 26 and November 9
- Council Organizational and Regular Meeting October 26
- Tori attended Grazing School for Women virtual planning meeting October 27
- Received notice of non-compliance letter from Alberta Environment & Parks on October 28 after our surprise pesticide storage inspection in September.
 - Formal response letter with our corrective measures was sent back on November 8th detailing our disposal of old expired pesticide and proper storage of 1080 tablets.
- Northeast Regional ASB Conference in Ashmont November 4
- Stopped in at Vilna Seed Cleaning Plant to collect seed samples prior to issuing license on November 7 - was not actively cleaning any seed
- Cascade training November 8
- Council Departmental meeting November 15
- NE Region Fieldman Check-in meeting with AB Ag November 15

- Tori Grazing School for Women planning meeting November 22
- Tori & Trevor took Form 7 (1080 toxicant) training November 23
- Tori & Amanda attended Rural Women's Conference at Craigend Hall November 24
- Worked on RFD's for upcoming ASB and Council meeting
- Amanda & Tori attended AAF In Service Training December 5-9 in Grande Prairie to obtain pesticide applicator license credits

Challenges:

Next Steps:

- Present Farm Family Award plaque at upcoming ASB Meeting on December 13th

2022/11/08

→ Grazing school for Women
(Copy)

Overdue
0%
0 / 100

Goal	Progress Update	Tasks	Current Completion
ASB Environmental Services 2022 : 100%	<p>Amanda Kihn:</p> <p>Achievements: LARA</p> <ul style="list-style-type: none"> • Referred ratepayer to Kellie with question about dugouts and offsite watering • Referred ratepayer to LARA with question about silage sampling <p>Events:</p> <ul style="list-style-type: none"> • Cowbytes Workshop October 26 at Goodridge Hall • Forage Webinar Series Tuesdays in November • Lesley Kelly When Stress is More Than a Season November 17 in Ashmont • Young Farmer Social November 18 in Ashmont • Innovation on the Ranch November 23 in Ashmont • Joel Williams What's New in Soil Health webinar November 24 • Growing Profit From the Ground Up December 16 at Flat Lake Hall <p>Tori took Environmental Farm Plan Technician training on November 17 & 18</p> <p>Challenges: <i>No value</i></p> <p>Next Steps: Sign 2023 LARA funding agreement <i>2022/11/08</i></p>		<p>Behind 78% 78 / 100%</p>
Blasting Activity 2022 : 100%			<p>Behind 0% 0 / 100%</p>
Council Member Inquiry 2022 : 100%	<p>Amanda Kihn:</p> <p>Achievements: Council Member inquiries tracked tracked via Service Tracker</p> <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i> <i>2022/10/05</i></p>		<p>On Track 95% 95 / 100%</p>

Goal	Progress Update	Tasks	Current Completion
<p>Crop Surveying 2022 : 100%</p>	<p>Amanda Kihn: Achievements:</p> <ul style="list-style-type: none"> • 63 Clubroot surveys were completed across the county and 10 new locations were found and PCR confirmed at 20/20 seed labs for clubroot <ul style="list-style-type: none"> ◦ New locations were sent to the University of Alberta for their research on tracking clubroot and resistance breakdown ◦ Our map of general locations was updated for landowner and industry inquiries - we do not give out exact clubroot positive locations to the public, we recommend all land be treated as if it is clubroot positive. • Clubroot information packages were sent out to 10 new clubroot positive locations landowners. <ul style="list-style-type: none"> ◦ it is the landowners responsibility to pass this on to their renter if they are not the ones actively farming this land. <p>Challenges: <i>No value</i></p> <p>Next Steps: 2022/11/08</p>		<p>Complete 100% 100 / 100%</p>
<p>Mowing Activity 2022 : 100%</p>	<p>Amanda Kihn: Achievements:</p> <ul style="list-style-type: none"> • Mowers were able to go back and mow areas of high grass regrowth with a second seasonal shoulder pass • Mowers last day was October 14 <ul style="list-style-type: none"> ◦ completed inventory, cleaned up their equipment and parked mowers at Bogdans Pit for the winter <p>Challenges: <i>No value</i></p> <p>Next Steps: Implement changes to mowing program made at October 11, 2022 ASB meeting and have operators starting beginning of May for roadside prep and an earlier start to mowing to complete 2 seasonal passes. 2022/11/08</p>	<p>Equipment Preparations</p> <p>Month <input type="checkbox"/> to be comple te by: <i>No value</i></p>	<p>Behind 70% 70 / 100%</p>
<p>Pest Control 2022 : 100%</p>			<p>Behind 0% 0 / 100%</p>

Goal	Progress Update	Tasks	Current Completion
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↳ Problem Wildlife (Beaver Control) 2022

Amanda Kihn:

Achievements: Since October 11th ASB Meeting:

- 23 beavers
- 36 muskrats
- 9 dog calls
 - 4 dogs picked up and taken to Edmonton Humane Society

Challenges: Thin ice has been unsafe to walk on for winter trapping

Next Steps: *No value*

2022/11/08

On Track
86%
86 / 100

Goal	Progress Update	Tasks	Current Completion
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Spraying 2022 : 100%

Amanda Kihn:

Achievements: *No value*

Challenges: Received a surprise inspection from Alberta Environment and Parks of our Pesticide Service and Vendor Registration on September 21, 2022. They provided some non-compliance areas requiring immediate attention and some other areas that will require attention in the future in a formal letter on October 28, 2022. The following corrective measures were taken immediately after their visit:

- 1080 toxicant tablets were moved from the Operations Base to the Storage Facility
- Old expired pesticides were taken to a CleanFarms pesticide collection site on October 14 to be disposed of properly

Next Steps: Areas of our pesticide storage requiring attention in the future to maintain our license are:

- filling superficial cracks in the floor of the storage area to meet Section 23(4)(e) of PSHUA to protect from pesticide absorption
- ventilation in the storage area is not working properly
- will need to order additional "chemical storage" signage for Ag bay
- need to purchase an additional Spill Kit for outside of the pesticide storage room
- a maintenance checklist has been posted in the Ag bay as the eyewash station needs to be tested on a regular basis to meet OH& S standards
-

2022/11/08

On Track
98%
98 / 100%

Goal	Progress Update	Tasks	Current Completion
Training Activity 2022 : 100%	<p>Amanda Kihn:</p> <p>Achievements:</p> <ul style="list-style-type: none"> • Tori attended the Joint Health & Safety Committee training October 12 • Amanda attended free PVMA online workshop October 20th to obtain Pesticide Applicator Credits • Tori attended Environmental Farm Plan Technician Training in Lacombe November 17 & 18th • Tori & Trevor took Form 7 (1080 toxicant) training virtually November 23rd • Amanda and Tori attended AAAF In Service Training December 5-9 in Grande Prairie to obtain pesticide applicator credits to keep our applicator licenses <p>Challenges: <i>No value</i></p> <p>Next Steps: 2022/11/08</p>	<p>Training - AAAF IST Month <input type="checkbox"/> to be complete by: <i>No value</i></p> <p>Weed Inspector Training Month <input type="checkbox"/> to be complete by: <i>No value</i></p> <p>Agricultural Service Board Conference Month <input type="checkbox"/> to be complete by: <i>No value</i></p>	<p><i>Behind</i> 84% 84 / 100%</p>
Weed Control 2022 : 100%	<p>Amanda Kihn:</p> <p>Achievements: Weed Inspections have been wrapped up for the season as of September 1st</p> <ul style="list-style-type: none"> • 716 Weed Inspections on private land completed <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i> 2022/10/05</p>		<p><i>Behind</i> 85% 85 / 100%</p>
Safety Activity 2022	<p>Amanda Kihn:</p> <p>Achievements:</p> <ul style="list-style-type: none"> • Attend weekly toolbox meetings at the Shop • Attend Joint Health & Safety Meetings • Tori took Joint Health & Safety Committee training October 12 <p>Challenges: <i>No value</i></p> <p>Next Steps: <i>No value</i> 2022/11/08</p>		<p><i>Behind</i> 76% 76 / 100</p>
ASB Environmental Services 2022 : 100%			<p><i>Behind</i> 0% 0 / 100%</p>

Goal	Progress Update	Tasks	Current Completion
Problem Wildlife (Beaver Control)	<p>Amanda Kihn: Achievements: <i>No value</i> Challenges: <i>No value</i> Next Steps: <i>No value</i> 2022/11/30</p>		<p>On Track 94% 94 / 100</p>
Grazing school for Women	<p>Amanda Kihn: Achievements:</p> <ul style="list-style-type: none"> • Tori had a Grazing School for Women planning meeting on November 22nd <ul style="list-style-type: none"> ◦ Planning a winter workshop for March <p>Challenges: <i>No value</i> Next Steps: <i>No value</i> 2022/11/30</p>		<p>Overdue 50% 50 / 100</p>

LARA HIGHLIGHTS 2022

MISSION

LARA conducts innovative, unbiased applied agricultural research and extension throughout the Lakeland in support of sustainable agriculture



FIELD RESEARCH TRIALS

Alberta Soil Health Benchmarking, Long-term impact on soil biological, physical and chemical health of four extended grazing strategies, rancher researcher project

DEMONSTRATIONS

Demonstration offsite watering system, hemp demonstration, cover crop blends affects on soil health, rejuvenating pastures with legumes

RESEARCH TRIALS

44 research trials that composed 1914 research plots including:

- Regional Variety Trials
- Regional Silage Trials
- Top Dressing Nitrogen in Spring Cereals
- Regional Assessment of ESN on the Productivity and Grain Quality of Spring Wheat and Barley in Northeastern Alberta
- Evaluation of Varying Seeding Rates on Canola Productivity and Yield
- Impact of the Application of Two Liming Products on Soil pH and the Long-Term Impact on Alberta Crop Yields
- Drought Resiliency in Grain and Forage
- Ultra Early Versus Regular Winter Cereals for Forage

EXTENSION SERVICES:



Age Verification, Forage Testing, On-Farm Calls, One-on-One Consultations, Annual Report, Workshops, Field Days, Webinars, Environmental Farm Plan Delivery, Assistance with Granting Programs and more...

EXTENSION PLATFORMS:

Newsletters: Grow With Us and The Verdant Element, Email list, Website, Facebook, Twitter, Instagram and LARA's YouTube channel



SMOKY LAKE BY THE NUMBERS



- 210 producers attended 28 extension events
- 6 EFPs
- 18 producers assisted with CAP grant projects



LARA WRRP



Watershed projects including riparian fencing, offsite watering systems and water course crossing with 7 producers for a total project cost of \$101,289 and grant funding of \$48,193

AGRI-FACTS

Practical Information for Alberta's Agriculture Industry

Revised September 2015

Agdex 140/638-1

5.4

Clubroot Disease of Canola and Mustard

Clubroot is a serious soil-borne disease of cruciferous crops (canola and cabbage family) worldwide and was first identified in Europe in the thirteenth century. This disease is a major problem in cole crops (cruciferous vegetables) in some areas of British Columbia, Quebec, Ontario and the Atlantic provinces.

Background

There have been two previous reports of clubroot in cole crops in Alberta. Thus, clubroot is **not** a new disease in Canada or Alberta. However, in 2003, clubroot was confirmed in several canola fields near Edmonton, Alberta, which was the first report on canola in western Canada.

Clubroot has continued to spread in central Alberta. An Alberta map showing the current clubroot status by county can be found at: www.agriculture.alberta.ca

Clubroot was added as a declared pest to Alberta's *Agricultural Pests Act* (APA) in April 2007. The APA is the legislative authority for the enforcement of control measures for declared pests in Alberta. The Alberta Minister of Agriculture and Rural Development is responsible for this Act.

However, enforcement of pest control measures is the responsibility of the municipal authority, and Agricultural Fieldmen are responsible for enforcing pest control measures in their municipality. Pest inspectors have the power to enter land at a reasonable hour, without permission, to inspect for clubroot and collect samples. The owner or occupant of land has the responsibility for taking measures to prevent the establishment and spread of clubroot.

Clubroot can affect broccoli, Brussels sprouts, cabbage, cauliflower, Chinese cabbage, kale, kohlrabi, radish, rutabaga and turnip. Canola/ rapeseed and mustard are also susceptible to this disease. Cruciferous weeds are susceptible as well. There are several weak, non-cruciferous hosts, but their contribution to disease development and carryover of the clubroot pathogen is not well understood.

This factsheet contains current information about clubroot in canola and describes options for Canadian canola growers to prevent this disease from being introduced and becoming well established in their fields.

Factsheet topics

- disease cycle
- clubroot symptoms
- prevention and management

Clubroot-infected roots cannot transport water and nutrients.

Disease cycle

The causal agent of clubroot is *Plasmodiophora brassicae* Woronin. In the past, this agent has been classified as a slime mould fungus (myxomycete), but more recently, it is regarded as a protist (an organism with plant, animal and fungal characteristics).

There are normally several different races or pathotypes present in established infestations. *Plasmodiophora brassicae* is an obligate parasite, which means the pathogen cannot grow and multiply without a living host. The life cycle of *P. brassicae* is shown in Figure 1.

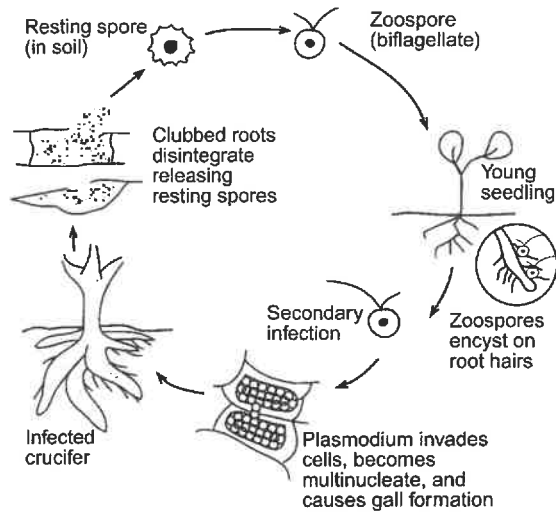


Figure 1. Life cycle of *Plasmodiophora brassicae*, the pathogen that causes clubroot.
(Source: Ohio State University).

Resting spores germinate in the spring, producing zoospores that swim very short distances in soil water to root hairs. These resting spores are extremely long lived, with a half-life of about 4 years, but they can survive in soil for up to 20 years. For example, Swedish research in clubroot-infested spring rapeseed fields found that 17 years were needed to reduce the infestation to non-detectable limits.

The longevity of the resting spores is a key factor contributing to the seriousness of the disease. Resting spore germination is stimulated by exudates from the roots of host plants.

After the initial infection through root hairs or wounds, the pathogen forms an amoeba-like cell. This unusual cell multiplies and then joins with others to form a plasmodium, which is a naked mass of protoplasm with many nuclei. The plasmodium eventually divides to form many secondary zoospores that are released into the soil.

These second-generation zoospores re-infect roots of the initial host or nearby plants and are able to invade the cortex (interior) of the root. Once in the cortex, the amoeba-like cells multiply or join with others to form a secondary plasmodium. As this plasmodium develops, plant hormones are altered, which causes the infected cortical cells to swell. Clusters of these enlarged cells form “clubs” or galls (see Figures 2, 3 and 4).



Figure 2. Very severe clubroot on canola.

Kelly Turkington



Figure 3. Severe clubroot galls or “clubs” on canola root.

Kelly Turkington



Figure 4. Moderately infected canola root.

Valerie Sowiak

Some amoeba-like cells are able to move up and down roots in vascular tissue. After the secondary plasmodia mature, they divide into many resting spores within the gall tissue. The galls are quickly decayed by soil microbes, leaving millions of resting spores in the soil.

Although there are no airborne spores released by this pathogen, the resting spores are capable of moving with infested soil transported by wind or water erosion and field machinery.

Warm soil (20-24°C), high soil moisture and acid soil (pH less than 6.5) are environmental factors that favour infection and severe disease development. Unfortunately, these conditions exist in a significant portion of the traditional canola growing areas of Alberta.

High soil moisture areas of the field typically have the most severe infestations. These wet areas are found in depressions, spots with higher clay content or with subsoil horizons that cause poor water infiltration (such as Gray Wooded or solonchic soils).

Clubroot symptoms on canola and mustard

Clubroot galls are a nutrient sink, so they tie up nutrients, and severely infected roots of canola cannot transport sufficient water and nutrients for aboveground plant parts. Symptoms will vary depending on the growth stage of the crop when infection occurs. Early infection at the seedling stage can result in **wilting, stunting and yellowing** of canola plants in the late rosette to early podding stage.

Such symptoms may be wrongly attributed to heat stress during periods with high temperatures or to other diseases such as blackleg or Fusarium wilt. In such cases, proper diagnosis includes digging up wilted plants to check for gall formation on roots.

Infection that occurs at later stages may not show plant wilting, stunting or yellowing. However, infected plants will **ripen prematurely**, and seeds will shrivel. Thus, yield and quality (oil content) are reduced.

Swedish researchers found that infestations nearing 100 per cent-affected plants caused about 50 per cent yield loss, while infestations of 10 to 20 per cent led to 5 to 10 per cent yield loss. This result is similar to sclerotinia stem rot infection in canola, where a general rule of thumb yield loss estimate is half of the percentage of infected stems. This is a reasonable comparison since both diseases restrict the flow of water and nutrients to developing seeds.

Patches of prematurely ripening canola due to clubroot infection (Figure 5) could be confused with other diseases such as sclerotinia, blackleg and Fusarium wilt. In such cases, proper diagnosis should include digging up affected plants to check for gall formation on roots. Swathing is an excellent opportunity to spot clubroot infestations.



Stephen Strelkov

Figure 5. Patchy, premature ripening.

If the suspected plants are not sampled until after swathing, root galls may have decayed already, and the typical whitish galls will no longer be present (see Figure 6). Instead, decayed root galls have a brown peaty appearance rather than the healthy white colour of unaffected root tissue, which should be a signal to carefully dig up more roots for closer inspection.



Kelly Turkington

Figure 6. Decayed clubroot galls and whitish stem appearance.

Hybridization nodules on canola roots (see Figure 7), although rare, could be confused with clubroot galls, but they appear as small, round nodules located at root nodes. The interior texture of a clubroot gall is spongy or marbled while hybridization nodules are uniformly dense inside, like healthy roots. Furthermore, hybridization nodules will not decay rapidly and do not have a peaty appearance like clubroot galls do.



Abvin Eyoifson

Figure 7. Hybridization nodules on canola root.

Phenoxy damage to canola may also induce galls on stem bases and roots (Figure 8). As with hybridization nodules, the phenoxy-induced galls will not decay rapidly like clubroot galls. Thickened, corky or split stem bases and curving stems are additional phenoxy symptoms that often occur in canola.



Figure 8. Root galls on canola due to phenoxy injury.

For confirmation of suspected canola clubroot galls, send samples to one of the commercial seed testing labs in the province.

Prevention and management of clubroot in canola and mustard

Since clubroot infestations are still not widely distributed in Alberta, producers should take various precautionary measures to curb the spread of this disease outside the known infested areas.

Prevention

Recommended preventative measures include the following:

- Use long rotations – grow canola not more frequently than once every four years (i.e. three years out of canola). Although this practice will not prevent the introduction of clubroot to clean fields, it will restrict this and other canola disease development within the field and probably avert a severe infestation. This rotation recommendation is similar to Europe where clubroot is more established, and, thus, more experience has been gained in management of this disease (see the Scottish clubroot factsheet by S. Oxley, 2007, noted in the References section at the end of this factsheet).
- Planting clubroot-resistant varieties on fields without the disease can be useful when clubroot is present nearby. This strategy relies on the genetic resistance to greatly reduce disease development/establishment compared to susceptible varieties if clubroot is inadvertently introduced to the field.
- Practice good sanitation to restrict the movement of possibly contaminated material (this approach will help reduce the spread of other diseases, weeds and insects too). The resting spores are most likely to spread via contaminated soil and infected canola plant parts. Thus, **producers should follow the practice of cleaning soil and crop debris from field equipment before entering or leaving all fields.** The equipment cleaning procedure involves knocking or scraping off soil lumps and sweeping off loose soil.

For risk-averse producers, the following additional cleaning steps may provide some extra benefit but involve considerably more work and expense:

- After removal of soil lumps, wash off equipment with a power washer.
- Finish by misting equipment with weak disinfectant (1-2% household bleach solution or EcoClear or HyperOx). The use of a disinfectant without first removing soil is not recommended because soil deactivates most disinfectants. The disinfectant must remain wet for 20 to 30 minutes on the equipment.
- Use direct seeding and other soil conservation practices to reduce erosion. Resting spores move readily in soil transported by wind or water erosion and overland flow.

- Scout canola fields regularly and carefully. Identify causes of wilting, stunting, yellowing and premature ripening – do not assume anything!
- Avoid the use of straw bales and manure from infested or suspicious areas. Clubroot spores are reported to survive through the digestive tracts of livestock.
- Avoid common untreated seed (including canola, cereals and pulses). Earth-tag on seed from infested fields could introduce resting spores to clean fields. Certain seed treatment fungicides may control spores on contaminated seed, but this observation needs further research to confirm.

Note: the risk of spreading clubroot by contaminated seed or straw is much lower than by the transportation of soil and plant debris on contaminated field equipment.

Management

Managing clubroot after establishment in a canola field is difficult and long term.

There are clubroot-resistant Canadian canola varieties available now. However, clubroot resistance in European varieties has not been durable there, and since 2014, resistance in Canadian canola varieties has started to be overcome by several new pathotypes in central Alberta. Canola growers in high risk situations (confirmed clubroot in the field or area) should follow traditional canola rotation recommendations (one canola crop every four years) using clubroot resistant varieties. The one in four year rotation recommendation using resistant varieties is designed to slow down pathogen population shifts to strains not controlled by current resistant varieties and allow time for new resistance sources to be bred into canola.

Resistance breakdown is not a change in the plant, but rather in the clubroot pathogen where it adapts to the resistance in the varieties being grown. There are several prevalent clubroot race(s) or pathotypes in the Alberta infestations, with one pathotype dominating. However, characterization of single spore-derived isolates from the populations indicates there are additional pathotypes and mixtures of pathotypes.

Clubroot galls may still be found at low levels in fields seeded to resistant varieties! Under high pressure, small galls may develop on plants with clubroot resistance. Galls can also occur on volunteers from previous canola crops of susceptible varieties, mustard family weed species and in the small percentage of off-types in hybrid seed (usually non-hybrid parental lines where one parental line may be clubroot susceptible).

Currently, there are no registered fungicides for clubroot control or suppression in canola. Although there are fungicides registered for clubroot control in cole crops around the world, the relatively high cost and application method (transplant bed drench or broadcast incorporation) make them unsuitable for canola field production.

Liming acid soils to above pH 7.2 has shown poor or erratic results for clubroot control in cole crops in British Columbia and eastern Canada. Given the inconsistency and high cost, liming is not a reliable option for clubroot control in canola.

Calcium cyanamide, an old form of nitrogen fertilizer with fungicidal properties, has shown promise for reducing clubroot in cole crops, but high application rates, significant cost and limited availability make it a poor option for canola.

Volunteer canola and susceptible weeds (mustard family, dock and hoary cress) must be controlled in the rotation crops. There is some evidence that a few non-cruciferous crops such as orchardgrass and red clover may be weak hosts for clubroot disease, but the rotational effect of such crops on clubroot incidence and severity is likely of little practical significance.

In combination with the rotation strategy, sanitation and soil conservation measures should be practiced to keep contaminated soil and infected crop debris from being transported from infested fields. Whenever practical, infested fields should not be worked in when wet since more mud will stick to equipment and then be transported to clean fields.

There has been one report from Norway of lower clubroot severity under reduced tillage. Thus, reduced tillage or direct seeding may help to combat a clubroot infestation, and the fewer tillage operations will help to avoid the transport of contaminated soil. Similarly, all equipment traffic into infested fields should be minimized – for example, service and nurse trucks should remain on the road and field equipment be brought to them.

Clubroot disease is a serious concern in Alberta. Understanding the disease cycle, recognizing the symptoms and adopting good prevention and management practices can assist in its control.

References

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Prepared by

Murray Hartman, Oilseed Specialist,
Agriculture and Rural Development

With contributions from the following plant pathologists:
J.P. Tewari, Kelly Turkington, Ralph Lange,
Stephen Strelkov, Ron Howard and Paul Laflamme

For more information

Alberta Ag-Info Centre
Call toll free: 310-FARM (3276)

Website: www.agriculture.alberta.ca



SMOKY LAKE COUNTY

Title: Clubroot		Policy No.: 12-03
Section: 62	Code: P-S	Page No.: 1 of 9

E

Legislation Reference:	Alberta Provincial Statutes
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Purpose:	To recognize that Clubroot is a serious problem and Smoky Lake County supports the agricultural community to help minimize the spread of Clubroot which is a pest under the <i>Agricultural Pest Act</i> .
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Policy Statement and Guidelines:

1. DEFINITION:

1.1 "Clubroot" is a disease of canola, mustard and other crops in the cabbage family (*Cruciferae*), caused by a parasite of plants (*Plasmodiophora brassicae*) that lives in the soil and characterized by knobby or club-shaped swellings on the roots and premature wilting, yellowing, and stunted growth of aboveground parts.

2. BACKGROUND:

2.1 Clubroot can spread through spores in the soil or in cruciferous plant material containing galls such as Canola, Mustard, Flixweed, Sherperd's purse, Stinkweed. Resting spores are extremely long lived, surviving in soil for up to 20 years; and are most likely to spread via contaminated soil carried from field to field by equipment. Tillage equipment represents the greatest risk of spreading the disease as soil is frequently carried on shovels and discs from field to field.

3. OBJECTIVE:

3.1 To minimize the spread and build-up of Clubroot in canola fields through education and awareness.

3.2 To prevent economic loss by employing a Clubroot Management Agreement between agricultural producers who have confirmed Clubroot fields within Smoky Lake County.

4. STATEMENT:

4.1 The Agricultural Service Board, under the authority of the *Agricultural Pest Act*, will undertake the following measures to assist in the minimization of Clubroot in canola.

4.1.1 Perform random testing of susceptible crops and confirm suspected infestations through laboratory testing (PCR).

Title: Clubroot	Policy No.: 12-03
Section: 62	Code: P-S
	Page No.: 2 of 9

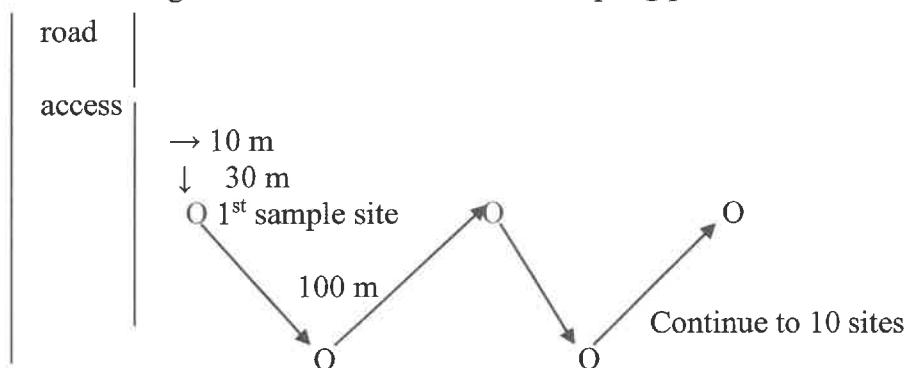
E

Policy Statement and Guidelines:

- 4.1.2 Advertise Public Awareness of County’s random testing program.
- 4.1.3 Implement a Clubroot Management Agreement with agricultural producers based on the Canola Council of Canada Clubroot management recommendations and research.

5. SURVEY PROCEDURE:

- 5.1 Clubroot disease development is favored by wet and acidic soil conditions and is mainly spread by movement of soil and infected plant material, as well as run-off water carrying soil.
- 5.2 Symptoms: The spores infect the roots of susceptible hosts, causing the formation of club-shaped galls or swellings that restrict the uptake of water and nutrients by the plant. Above-ground symptoms include yellowing, stunting, premature, ripening and wilting of plants.
- 5.3 Equipment and Materials needed: Clipboard, record sheets, hand towel, garden shears, Ziploc bags, 5% bleach solution, Plastic tray or pail, disposable boot covers, GPS Unit.
- 5.4 Clubroot field inspections will be conducted randomly by the appointed agricultural pest inspectors.
- 5.5 Agricultural Services Department Clubroot survey methods, reporting form and calculation of disease incidence will follow standard protocols as recommended by the Alberta Clubroot Management, *as per Schedule “A”: Clubroot Survey Form*. The standard survey method is as follows: Scout for Clubroot by visually inspecting canola/mustard/cole crop roots for galls. As symptoms may take 6-8 weeks to develop, they are most detectable later in the summer (late July or August). Do not drive into field or access, but park on the road whenever possible.
 - 5.5.1 Put on new disposable boot covers. Survey the field in a “W” pattern, sampling 10 plants at each of 10 equally spaced sites along the arms of the W. Begin 30 m to the right of the field access. 10 m from field edge and allow 100 m between sampling points.



Title: Clubroot	Policy No.: 12-03
Section: 62	Code: P-S
	Page No.: 3 of 9

E

Policy Statement and Guidelines:	
5.5.2	At each sample site, dig up roots from 10 plants and shake off excess soil. Examine roots for presence of galls. Record sample site location and findings on Clubroot survey form. Fields where infection is found or suspected, collect 5 – 10 root specimens, by cutting off stems and placing roots in a Ziploc bag labeled with field location and date surveyed. Retain sample for submission to lab for conformation.
5.5.3	Prior to leaving potentially infested field, discard disposable boot covers into garbage bag and incinerate later. Disinfect sampling tools with bleach solution.
6.	NOTIFICATION PROCESS:
6.1	When land is verified positive for Clubroot, the landowner will be notified in writing , as per Schedule “B” : <u>Notification To Landowner Of Clubroot</u> if an agricultural producer is found not adhering to their Clubroot Management Agreement, a legal notice in accordance with the Province of Alberta <i>Agricultural Pest Act</i> , as per Schedule “C” : <u>Legal Notice To Control Pests</u> may be issued. Agricultural producers will be required to complete Schedule “D” <u>Clubroot Management Agreement</u> and have it signed and returned within 60 days.
6.2	If a host crop is sown on land that has Clubroot and a notice has been issued on this property restricting the growth of host crops, the host crop shall be destroyed.

	Date	Resolution Number
Approved	June 11, 2009	# 556-10 - Page # 8996
Amended	November 6, 2014	# 118-14 - Page #11462
Amended	February 19, 2019	# 388-19 - Page #13475



SCHEDULE "A"

AGRICULTURAL SERVICE BOARD CLUBROOT SURVEY FORM

Surveyor name: _____

Municipality: Smoky Lake County

Field location: (Legal Property): _____
Section Quarter Township range Median

Name of producer farming that field: _____

Date surveyed: _____

Crop Cultivar: _____

Previous crops: _____

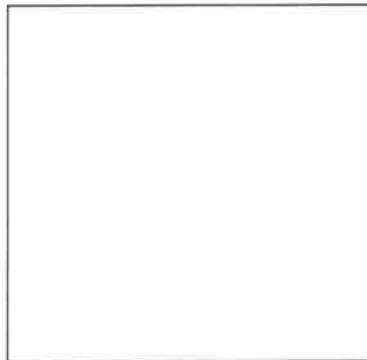
Article 1. Survey results

Strictly according to protocol (sample 10 plants at each of 10 sites using W pattern).

Clubroot Found

Yes

No



of positive sites / 10: _____

Lab Test Confirmation: _____

Additional Comments: _____

Draw map of field and landmarks with sampling points

Date: _____

Inspector _____

SCHEDULE "B"

NOTIFICATION TO LANDOWNER OF CLUBROOT

Date:

Dear Agricultural Producer,

RE: Random Clubroot Survey Results

During Smoky Lake County's annual Clubroot surveying program, we have identified Clubroot on the **Legal Land Description**. Please note Clubroot is a serious disease affecting canola, if the disease is not managed properly it will continue to spread and overtime severely decrease yield in future canola crops. Smoky Lake County holds the right to issue a Clubroot Notice restricting the growth of canola, but we much prefer to work with producers first. Attached to this letter is a Clubroot Management Plan of Alberta, along with the 20/20 seed lab report confirming the presence of Clubroot, and a Clubroot Management Agreement that **MUST** be returned to Smoky Lake County's Office within **60 days** of this letter being issued. This Clubroot Management Agreement must be reviewed and signed off by a Certified Crop Advisor and/or Agrologists. A list of these professionals in your area are attached.

Please understand we want to work with agricultural producers first and foremost, as we are here to provide support to the Agricultural Community as a whole. Please notify any renter or lease holders of this property if you are not currently farming the property yourself.

If you have any questions with any of the attached information or forms please do not hesitate to contact me directly.

Sincerely,

Agricultural Fieldman

SCHEDULE "C"

LEGAL NOTICE TO CONTROL PESTS

**Agricultural Pests Act
Section 6(1) - Form 2**

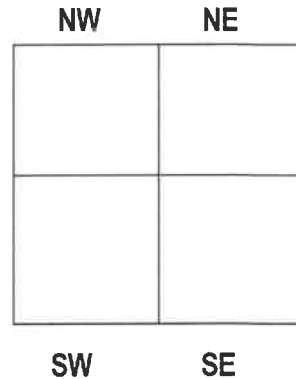
PEST AND NUISANCE CONTROL REGULATION

To: Name: _____

MAILING ADDRESS: _____
Box City or Town Postal Code

You are hereby notified that the _____ quarter of section _____ township _____ range _____ west of the 4th meridian, Alberta, as indicated on the diagram below, contains Clubroot, which has been declared a pest by the ***Pest and Nuisance Control Regulation*** made under the ***Agricultural Pests Act***, and you are directed to take the following measures:

1. Do not plant canola on _____
Legal Property
until _____.
Year



2. Keep _____
Legal Property
free of volunteer canola, wild mustard and
shepherds purse or any other host vegetation.

3. Use direct seeding and any soil conservation
practices to minimize soil movement.

4. Clean soil and crop debris from field equipment
before entering or leaving all fields.

5. Avoid the use of straw, hay, greenfeed, silage or
manure from the _____
Legal Property

IMMEDIATE CORRECTIVE ACTIONS: _____

TO BE COMPLETED BY: _____

All of the above measures must be completed within _____ years from the date of issue of this notice, failing this action may be taken in accordance with the legislation referred to above.

This notice is issued under Section 12(1) of the *Agricultural Pests Act*. An appeal against this notice may be served on the municipal secretary, accompanied by a deposit of \$100.00, before the expiry of the time stated above or the period of 10 days from service of the notice, whichever expiry date occurs first and otherwise made in accordance with the *Agricultural Pests Act*.

Date of Issue

Inspector – Smoky Lake County
Telephone Number: 780-656-3730

c.c. Renter/Leasee (if different from the Landowner)

SCHEDULE "D"

Clubroot Management Agreement



This Clubroot Management Agreement is for developing a proactive management plan with the help of a Certified Crop Advisors to reduce or keep spore levels low and to minimize yield loss due to Clubroot. For each section below, please fill out all required information for all management strategies. The strategies listed as **-Required** are minimum requirements that must be included. Additional strategies can be included where ever feasible and possible. For in depth information on Clubroot management strategies, please refer to the Alberta Clubroot Management Plan or your professional advisor.

Agricultural Producer Information

Date: _____

Landowner or Lease Holder Name: _____

Certified Crop Advisor _____

Field location: (Legal Property): _____
Section Quarter Township Range Median

Field location: (Legal Property): _____
Section Quarter Township Range Median

Part 1: Crop Rotation

Crop Rotation has proven to lower spore loads in the soil with a minimum of a three year rotation. Longer rotations are encouraged in fields with high disease severity.

Indicate which crop rotation interval will be followed:

- Three-year rotation (two year break) – **Required**
- Four-year rotation (three year break)
- Perennial forage crop for more than two years
- Other- please indicate _____

Part 2: Variety Selection

Select all strategies that will be used:

- Only Clubroot-resistant varieties in Clubroot confirmed fields will be grown – **Required**
- Use of Clubroot-resistant varieties in all canola fields
- Rotating Clubroot varieties with multi-genetics varieties
- Seeding Canola earlier

Part 3: Weed Management

Select all weed management strategies that will be used:

- Control of volunteer crops including: Canola, Camelina, Mustard or other Clubroot susceptible hosts –**Required**
- Control of cruciferous weeds throughout all rotations –**Required**
- Rotating herbicide programs within Canola varieties ex. Liberty, Roundup, Clearfield

Part 4: Small Clubroot Patch Management

- Hand pulling and safely disposing of all Clubroot-infected plants
- Liming of soil in Clubroot-infected patches to increase pH 7.3
- Soil testing to monitor Clubroot spore levels
- Seeding known Clubroot patches last

Part 5: Reducing Soil Movement

Please indicate all the ways that soil movement will be minimized:

- Seed grass in the field entry way to reduce spore or as an area for cleaning equipment
- Create separate entrance and exits away from existing field entrances
- Remove large clumps of soil from equipment
- Wash and sanitize with bleach when possible
- Visit Clubroot infected fields last
- Require others (industry) to implement a biosecurity protocol
- Use of soil conservation practices, such as zero till or minimum tillage- **Required**
- Minimize traffic in fields, especially during wet conditions
- Discourage recreational vehicles from crossing land with signage, fencing and gates

Part 6: Disclosure of Clubroot Infestation and Biosecurity

- Notification of all occupants, renter and easement holders who have access to land- **Required**
- Notification and disclosure to contracted services and or other parties accessing the land- **Required**
- Disclosure that Clubroot is present to when the land is sold or rented to other parties

Part 7: Clubroot Scouting and Monitoring

- Continued monitoring of spore levels in soil and scouting for visible symptoms on plants in fields that have confirmed clubroot
- Continued scouting in other fields rented or owned

Part 8: Declaration

I declare that I have answered the above to the best of my ability and will adhere to the required clubroot management strategies, as a minimum, to keep Clubroot spore levels low.

Landowner/Renters Signature: _____ **Date:** _____

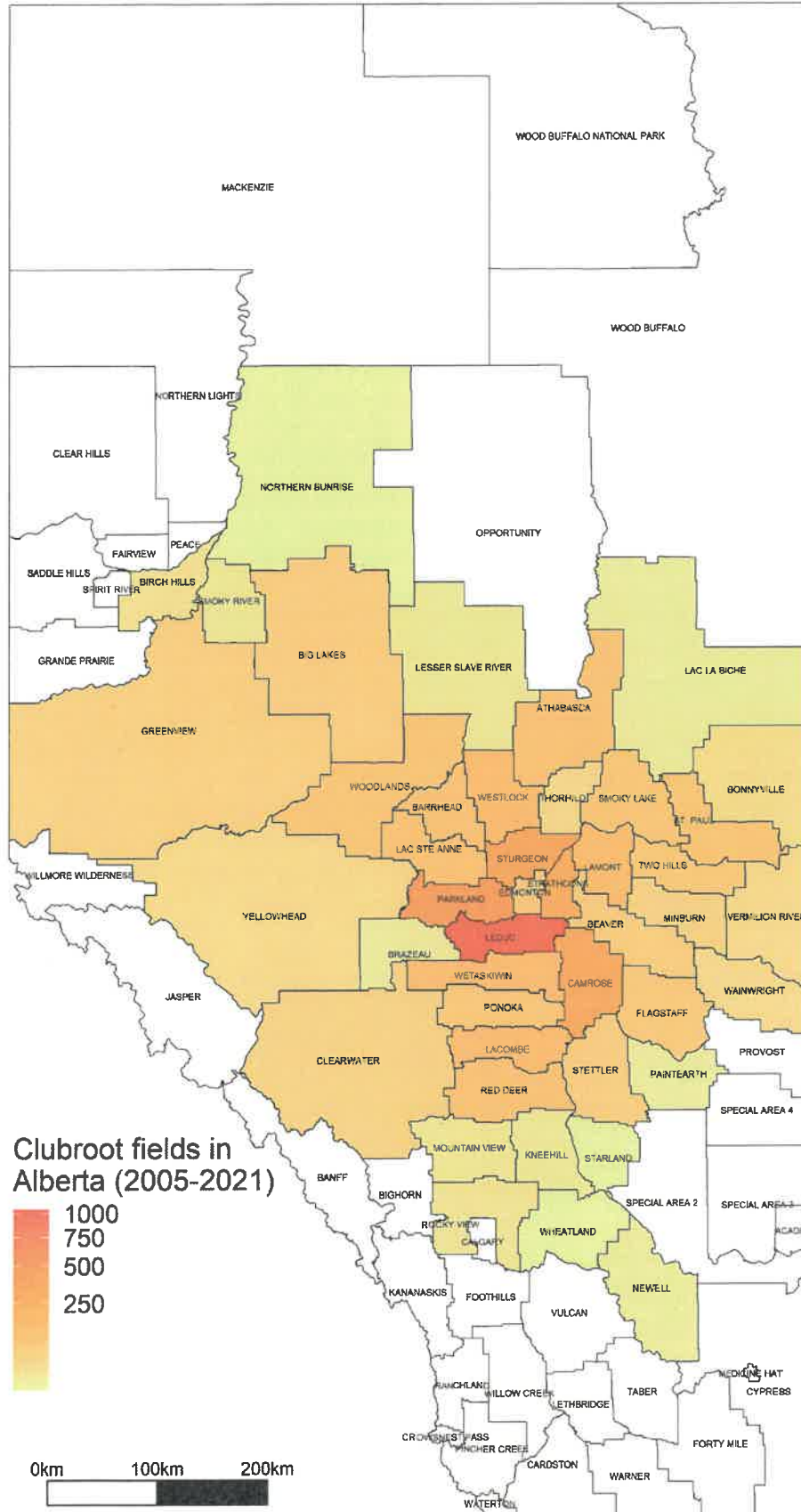
Certified Crop Advisor: _____ **Date:** _____

Agricultural Fieldman Signature: _____ **Date:** _____

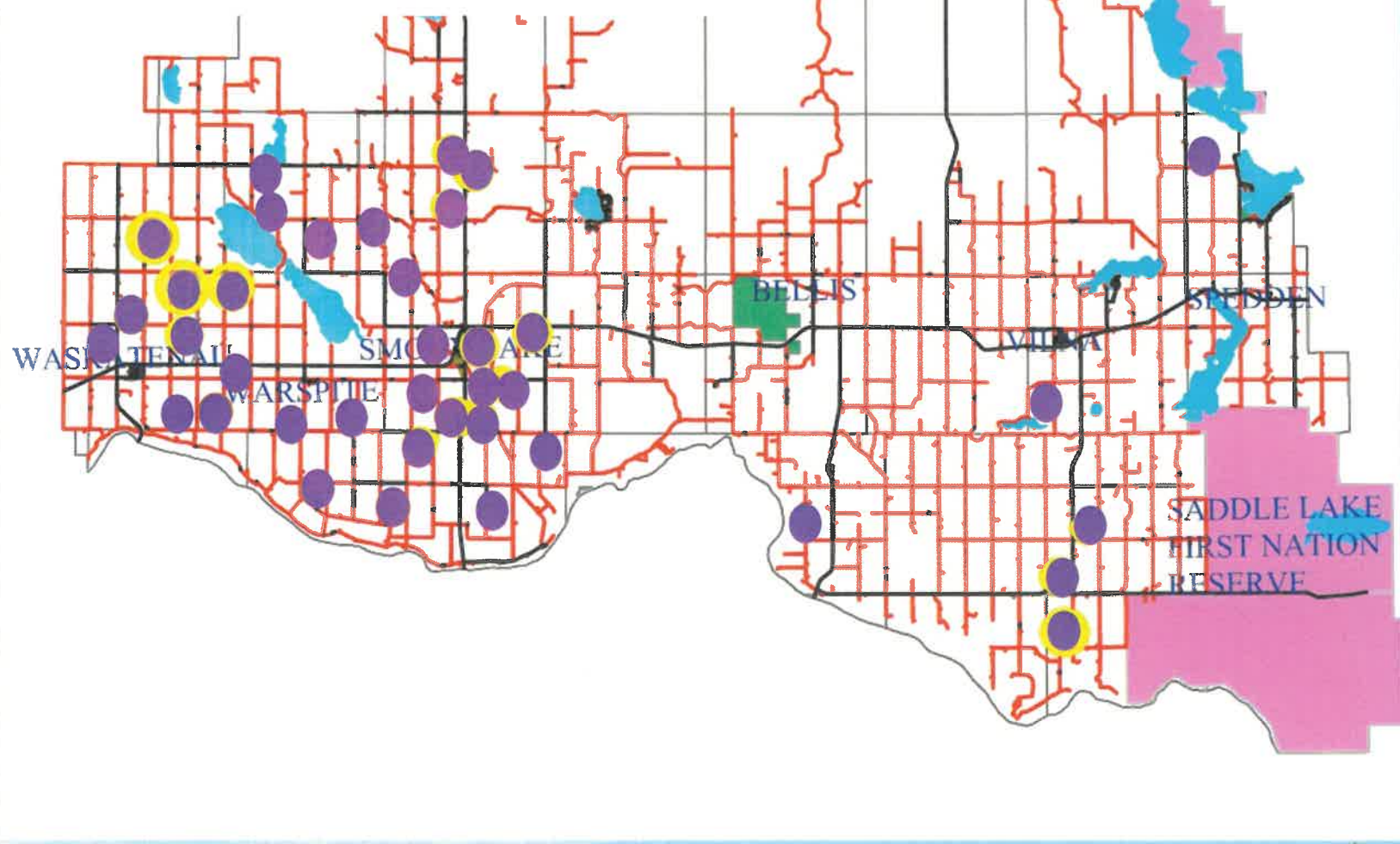
Please return this agreement to the Smoky Lake County office within 60 days of receiving your Clubroot notification letter. For further information regarding this matter please contact the Agricultural Services Department at (780) 656-3730.

Physical Address: 4612 McDougall Drive
Smoky Lake, AB

Mailing Address: Box 310
Smoky Lake, AB
TOA 3C0



2022 CLUBROOT MAP



LEGEND

- County Boundary
- Parks
- Township Grid
- Reserves/Settleme
- ▲ Towns/Villages
- ▬ Road Surface
 - ▬ Paved
 - ▬ Gravel
 - ▬ Dirt
 - ▬ CONCRETE
 - ▬ Wood
 - ▬ Fibermat
- Clubroot Positive (64) Locations

10 new locations in 2022



Current Scale 1: 424461



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6.1

CYPRESS COUNTY

816 - 2nd Avenue, Dunmore, Alberta T1B 0K3

Phone: (403) 526-2888

Fax: (403) 526-8958

www.cypress.ab.ca

November 2, 2022

The Honourable Nate Horner
Minister of Agriculture and Irrigation
131 Legislature Building
10800 – 97 Avenue
Edmonton, AB T5K 2B6

Dear Minister Horner,

Cypress County's Agricultural Service Board (ASB) would like to support and reiterate the fact that there is a desperate shortage of rural veterinarians in Alberta, particularly vets specializing in large animals.

A high number of veterinarians are leaving the profession without an equal number of veterinary school graduates entering the workforce.

Many producers are travelling well over one hour to take livestock to a vet clinic. In emergencies, this is obviously a less than ideal situation.

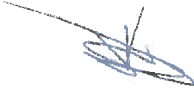
Assuring the safety of animal products that are marketed on the world stage, outbreak management, and other emergent issues related to veterinary medicine are a few of the problematic implications caused by the shortage of vets.

Rural students have been at a disadvantage when considering entrance requirements into post-secondary school, as they may not have access to certain courses required for pre-requisites. Rural schools often have less students, and this can influence which courses are offered. Although high school course availability is sometimes limited, we believe rural students have a great advantage in terms of rural experience which is not recognized by the post-secondary schools. A student who has grown up on a family farm have plenty of experience, relevant knowledge and have significant passion, understanding, experience, and exposure to large animal livestock. Currently, there is no acknowledgement of this by veterinary schools. This experience should play a large role in the decisions that universities make when deciding whether or not to admit a student to their program.

Our ASB is asking for veterinary schools to recognize the valuable hands-on experience of rural students and allow them to gain credit toward their eligibility requirements into veterinary school. If we don't encourage and enable rural students to pursue veterinary medicine, the situation Alberta producers are faced with regarding the lack of large animal veterinarians will be extremely inadequate. The importance of farms in Canada continues to grow as we realize the impact of our agricultural producers worldwide and we value the importance of healthy livestock.

We strongly encourage you to join us in advocating for our rural community and recognize the practical hands-on experience these students can bring to their studies of veterinary medicine.

Sincerely,



Dustin Vossler
Cypress County, Agricultural Service Board Chairman

CC: The Honourable Demetrios Nicolaides, Minister of Advanced Education
The Honourable Marie-Claude Bibeau, Minister of Agriculture and Agri-Food
The Honourable Gudie Hutchings, Minister of Rural Economic Development
Mr. Glen Motz, MP Medicine Hat - Cardston
Mr. Drew Barnes, MLA Cypress - Medicine Hat
Alberta Agricultural Service Boards

6.2



PO Box 1925
Blairmore, AB,
T0K 0E0
www.abinvasives.ca



November 3, 2022

Amanda Kihn
Smoky Lake County
P. O. Box 310
T0A 3C0
Smoky Lake, AB T0A 3C0

Dear Amanda,

Thank you for your continued support of the Alberta Invasive Species Council (AISC). Without your contribution, the AISC risks surrendering our mission of protecting the province from the impacts of invasive species, particularly during these uncertain times.

In the past year, the AISC worked diligently to continue its mission to protect Alberta from the impacts of invasive species and with your support we were able to:

- Create and print Quick Fact Cards for the 'Squeal on Pigs!' and **Weed Free Forage** programs.
- Promote the 'Squeal on Pigs!' campaign through press releases, billboard advertisements, custom merchandise, and stickers. A free 'Squeal on Pigs!' Forum was hosted with a total of 321 attendees.
- Work toward revitalization the Alberta Certified Weed Free Forage program by training an **additional 33 Certified Weed Free Forage Inspectors** for a total of 78. We also hosted a **Weed Free Forage Inspector Training Field Day** in partnership with Yellowhead County in September. There are now 20 municipalities across Alberta offering Weed Free Forage inspections!
- Finalize the 4th edition of the '**Alberta Invasive Plant Identification Guide**' in partnership with Wheatland County. A total of 15,565 guides were printed and AISC has taken over distribution. Guides can be ordered directly through our online store and are offered at a subsidized price of \$1 per copy. We were able to use grant money from the Alberta Real Estate Foundation to cover the rest!
- Create and pilot an **Aquarium and Pond Retailer Recognition Project** to provide 10 aquarium and pond stores and their staff with training materials through an online course, educational resources



for staff and customers as well as recognition of the participating stores that pledge to distribute Don't Let It Loose information.

- Promote the Don't Let It Loose messaging by circulating a press release and developing a **Don't Let It Loose goldfish mascot** to promote awareness of the issue of releasing aquarium plants and pets into natural waterbodies. A free Don't Let it Loose Forum was hosted with a total of 14 attendees.
- Promote the Early Detection and Distribution Mapping System (**EDDMapS**) app, a free smartphone app that allows users to report invasive plant species. We verify those reports and send them to the local authority for follow-up.
- Provide support and training for the **EDDMapS Pro app**, an app designed for use by municipal invasive species managers for mapping and tracking their invasive species data.
- Launch the Invasive Species Management Track (**ISMTrack**) app, which works in conjunction with EDDMapS Pro to record herbicide applicator records and connects those with invasive species reports in EDDMapS.
- Create **distribution maps** for all invasive species reported through EDDMapS. There were 3,920 reports and 600,000 infested acres reported in 2022. Access those maps at www.eddmaps.org
- Attend more than **46 virtual or in-person events** to promote awareness of invasive species in Alberta, directly reaching over 5,000 people. Events included, the Pacific North West Economic Region Annual Summit that was attended by MLAs, MPs and Senators from Alberta and across the Pacific North West.
- Administer the **Alberta Biocontrol Release** program, providing a total of 72 releases of leafy spurge beetles, and knapweed root and seed head weevils, providing training to landowners and organizations, and creating and distributing a PDF guide on how to release them.
- Promote behaviour change campaigns such as '**PlayCleanGo**', '**Clean Drain Dry**', '**Buy Local, Burn Local**', etc.
- Increase our social media presence and reach thousands of people through our posts. **We almost doubled our Facebook followers in 2022** with an increase from 1,353 to 2,097. Both our Twitter and Instagram following increased to over 1,000 individuals on both platforms!
- Participate in 14 interviews by different news agencies or podcasts.
- Host a week-long **Virtual Conference and AGM**, which offered 10 professional development credits for certified pesticide applicators and boasted almost 150 registrants.
- Promote and maintain more than **150 invasive species factsheets**.
- Publish **quarterly newsletters**, which are distributed to over 1,400 subscribers.
- Participate in regional invasive species groups such as the Southwest Invasive Managers and the Beaver Hills Biosphere Reserve Association's Invasive Species Working Group, Transboundary Feral Swine Working Group, Regional Invasive Species Council Meetings, and others.
- Draft a 2023 to 2025 Strategic Plan and Action Plan with quantitative performance measures.

- Update the McClay et al. 2004 report: Costs and Threats of Invasive Species to Alberta’s Natural Resources. The current economic impact of invasive species in Alberta is estimated to be \$2.1 billion per year.

If you or your organization receives value and benefits from AISC’s efforts, please review the following options and consider a new or continued partnership with our organization for 2023.

Partner Benefit	Bronze Partner (\$1,000)	Silver Partner (\$2,000)	Gold Partner (\$5,000)
Access to our invasive species factsheets.	✓	✓	✓
Access to quarterly electronic newsletters.	✓	✓	✓
Free use of and data downloads from the EDDMapS and EDDMapS Pro apps.	✓	✓	✓
Opportunity to participate in working groups, events, or contribute articles to our newsletters.	✓	✓	✓
Reduced price on annual conference registration fees.	✓	✓	✓
Recognition in AISC's website and regular recognition of your generous contribution throughout the year in social media posts, at events, etc.	✓	✓	✓
Logo and recognition in our quarterly newsletter.	✓	✓	✓
Annual AISC memberships (includes one vote per member at AGM).	2	3	4
Article in AISC newsletter; choose the topic and provide content on one article per year in consultation with the Editor.	✓	✓	✓
Free conference registration fee.			1
Production of one 30-second invasive species 'factsheet video'. Species selection is of selected species by AISC unless partner can provide video footage. Partner logo will be added to video.			✓

If you have any questions about the AISC or partnership opportunities, please do not hesitate to contact us. Please let us know if there are other program ideas or partner recognition ideas you would like to discuss – we’d love to work together!



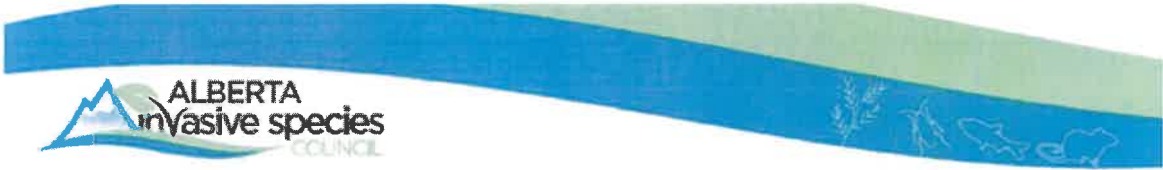
Thank you for your continued support of the AISC and for helping to protect Alberta from the harmful impacts of invasive species, we could not do the work that we do without it.

Sincerely,

A handwritten signature in black ink, appearing to read "ME", is positioned above the typed name.

Megan Evans
Executive Director





AISC Partner Form

Organization Name _____

Contact Name _____ Contact Phone _____

Contact Email Address _____

Sponsorship Level (Bronze, Silver, Gold) _____

Name of Members (2 for Bronze, 3 for Silver, and 4 for Gold):

Add email to newsletter mailing list

Invoice Required

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Amanda Kihn

From: Sheila Kaus <Sheila.Kaus@mdgreenview.ab.ca>
Sent: November 15, 2022 2:53 PM
To: Aimee Boese; Aimee Delaney; Amanda Soppit; Ashley Stewart; Brian Hawkings ; Chad Verpy; Chris Chrenek; Cody McIntosh; Corey Stuber (cstuber@county.camrose.ab.ca); Dara Kudras; Delaney McNaughton; Fallon Sherlock; Jalene Makus; James Albers; Jane Fulton; Jeff Cosens; Jeff Fleischer; Jeff Guidolin ; Jesse Crandall; Jessica Armitage ; Jordon Smith; Justin Babcock; Ken Lewis; Kendra Tippe; Kevin MacDonald (kmacdonald@county.camrose.ab.ca); Kristyn Smigelski; Laura Poile; Marty Winchell; Matt Martinson; Matthew Pfeffer ; Mike Bates; Nick Dunn; Quinton Beaumont; Rocky Williams; Roland Krusi; Ross Chudleigh; Rowenna Graham; Ryan Hallet; Shelby Sherwick; Stephen Majek; Tess Krause; Tori Adolf; Trevor Kerr; Amanda Kihn; Brett Weeks ; cwolf; carychuk; Darin Beckett; Darwin Ullery; Elden Kozak; Hannah Musterer; Jacob Marfo; James Schwindt; Janice Boden; Jonathan Culbert; Keith Kornelsen; Matt Janz; Mike Penner; Sara Miller ; Shane GGreschuk; Shelby Oracheski ; Terr Eleniak; Tori Stang; Warren Leister; aaron; Alyssa Hutchings; Amber Kynoch; Angela Veenstra; Aren Skogstad; Barry Kolenosky; Brad Belanger; Clarence Dowhan; Dawn Fortin; Dawn Phillips ; Dawnia McCann; Diana Wahlstrom; Don Medcke; Elise Graham; Erin McAdam; Garrett Broadbent; James Aitken; James Breadon; James Leskiw; Jen Benson; Jessica Stambulic ; Kendra Kozdrocki; Kyle Meunier; Laura Duncan; Matthew Wood; Melissa Marquis; Nathanael Berg; Patricia O'Neil; Ryan, Hrywkiw ; Sarah Kassian; Sheila Kaus; Shelayne Hofman; Tara McGinn; Travis Wilson; Victoria Dubord; Amanda Ouellet; Audrey Bjorklund; Becky Devaleriola; Dylan Fath; Dave Berry; Dessa Dawn Nicholson; Farrah Fischer; Fred Sawchuk; Grant Smith; Greg Coon; agfieldman; Jen White; Jessica McCormick; Jill Henry; Kate Winterford; Kathrin Langlois; Kristin King; Landon Driedger; Marny Kenney; agfieldman; Sandra Rendle.; Shayne Steffen; sraven; Stephanie Soucy; Taryn McNaught; Tracelle Hinze; Trent Keller; Bill Hnatiuk; Braiden Bodin; Bree Webb (bree.webb@foothillscountyab.ca); Caleb Scott; Carla Preachuk; Cathy Preston; Don Hogan; Doug Jensen; Erin Anderson; Gary Murray; Gary Secrist; George Bloom; Grace O'Leary; James Meeks; Jason Bullock; Jason Regehr; Jeff Porter (jeff.porter@foothillscountyab.ca); Jesse Williams; Joe Entz ; Jordan Hoffman; Jorden Holst; Justine Comeau; Kali Richardson ; Kaylee Dick; Kelly Malmberg; kennedy.roeder; Kevin Jesske; Lisa Sulz; Rick Niwa; Rod Foggin; Russel Muenchrath; Shane Poulsen; Shayna Joes; stephen; Terry Mrozowich; Terry Olson; Todd Green; Will Schaap

Subject: Registration for ASB Conference Open
Attachments: 2023 ASB Conference Agenda Final.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Hello Everyone,

The Peace Region is pleased to announce the opening of registration for the 2023 Provincial ASB Conference. We look forward to welcoming all Alberta Agricultural Service Board delegates in Grande Prairie at the TARA Centre. To help commence the Conference, please join us for a Welcome Gala at the TARA Centre on January 17th from 6:00 pm to 10:00 pm. Registration will also be available from 4:00 pm that evening.

Hotel booking links for the three hotels have been provided on the website: <https://aaaf.ab.ca/asb-boards/asb-conference.html>

Should you have any issues with your booking, please let us know so we can assist you.

Grande Prairie City buses have been chartered for shuttles going back and forth from each hotel to the TARA Center for the Welcome Gala and the remainder of the conference.

We look forward to welcoming you-

Sincerely,

Sheila Kaus

Sheila Kaus

Manager, Agricultural Services

Municipal District of Greenview No. 16 | Valleyview, Alberta T0H 3N0

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Thank you.



**THE ASSOCIATION OF
ALBERTA AGRICULTURAL FIELDMEN**

2023 Provincial Agricultural Service Board Conference



The Future is Northern

January 17th – 19th

Hosted by: Peace Region Association of Alberta Agricultural Fieldman

Grande Prairie, Alberta
Tara Event Centre



THE ASSOCIATION OF ALBERTA AGRICULTURAL FIELDMEN

Agricultural Service Board Conference
TARA Event Centre
Tuesday January 17, 2023

Time	Event	Speaker
4:00 pm – 10:00 pm	Registration for 2022 Provincial ASB Conference Opens	<i>Christi Friesen, Peace Region PASB Representative- Welcome Sebastien Dutrisac – Chair, PCASB</i>
6:00pm – 10:00pm	Welcome Gala	Meet and Greet with Ministers, MPs and MLAs



THE ASSOCIATION OF ALBERTA AGRICULTURAL FIELDMEN

Agricultural Service Board Conference
TARA Event Centre
Wednesday January 18, 2023

Time	Event	Speaker
7:00 – 8:30am	BREAKFAST	
8:45am – 9:00am	Welcome & General Housekeeping National Anthem AAAF President PCASB Chair	<i>Krista Zuzak, MC</i> <i>Dawn Fortin, Woodlands County</i> <i>Aaron Van Beers, Leduc County</i> <i>Sebastien Dutrisac, Two Hills County</i>
9:00am – 10:00 am	The Future is Northern	<i>John Knapp – Consultant</i>
10:00am – 10:15am	COFFEE BREAK	
10:15 am – 10:45 am	Provincial ASB Program Update	<i>Doug Macaulay, Alberta Agriculture and Irrigation; ASB Program Manager</i>
10:45am – 12:00am	Resolution Session	
12:00pm – 1:00pm	LUNCH BREAK	
1:00pm – 2:00pm	Alberta's Future Hydrogen Economy	<i>Matthew Klippenstein- Executive Director, Hydrogen BC</i>
2:00pm – 2:15pm	COFFEE BREAK	
2:15pm – 3:15pm	Canadian Agriculture in the Indo-Pacific: Balancing the US and China	<i>Carlo Dade- Canada West Foundation Director of Trade, Investment and Trade Infrastructure Centre</i>
3:15pm – 3:30pm	COFFEE BREAK	
3:30pm – 4:30pm	Cattle Value Chain: Problems and Resolutions	<i>Ryan Copithorne – Cows in Control</i>



THE ASSOCIATION OF ALBERTA AGRICULTURAL FIELDMEN

Agricultural Service Board Conference
TARA Event Centre
 Thursday January 19, 2023

Time	Event	Speaker
7:00am – 8:30am	BREAKFAST	
8:30am – 9:30am	The Importance of Market Access for Canadian Crops	<i>Krista Zuzak – Director, Crop Protection and Production Cereals Canada</i>
9:30am – 10:30am	Black Swans: Flight, Fight or Fright and Future of Canadian Agriculture	<i>Don Buckingham – Agriculture Food and Regulation (AFR) Consulting</i>
10:30am – 10:45am	BREAK	
10:45am – 12:00pm	Resolution Session	
12:00pm – 1:00pm	LUNCH	
1:00pm – 2:00pm	State of the Agricultural Carbon Markets	<i>Graham Gilchrist – CEO, Biological Carbon Canada</i>
2:00pm – 2:15 pm	BREAK	
2:15pm – 3:00pm	Celebrating the Diversity of Agriculture	<i>Greg Peterson – Peterson Bros. Farms</i>
3:00pm - 4:00pm	Resolution Session	
4:00pm – 6:00pm	Preparation for the Banquet	
6:00pm – 7:00pm	Cocktails	
7:00pm	Banquet <i>Entertainment – QDM</i>	



6.4

Cardston County

6.4

November 25, 2022

The Honourable Nate Horner
Minister of Agriculture and Irrigation
131 Legislature Building
10800 – 97 Avenue
Edmonton, AB T5K 2B6

Dear Minister Horner,

Cardston County's Agricultural Service Board (ASB) met yesterday and would like to support and reiterate the fact that there is an increasing shortage of rural veterinarians in Alberta, particularly vets specializing in large animals.

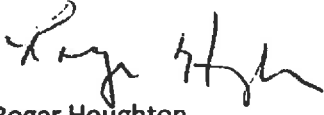
With these shortages, many farmers and ranchers are unable to get the care needed for their sick animals in a timely manner. They must either haul the sick animal many miles to a vet or wait several hours for one to arrive.

Rural students have been disadvantaged when considering entrance requirements into post-secondary school, as they may not have access to specific course prerequisites required for the program. Rural schools often have fewer students, influencing which courses are offered. Although high school course availability is sometimes limited, rural students have a significant advantage in terms of experience, which post-secondary institutions do not recognize. A student who has grown up on a farm has the experience, relevant knowledge, understanding, significant passion, and exposure to large animal livestock that many other students living outside rural areas do not. Veterinary schools do not acknowledge or recognize the on-hand experience these prospective students have. This experience should play a significant role in the decisions that universities make when deciding whether to admit a student to their program.

Our ASB is asking that veterinary schools recognize the valuable hands-on experience of rural students and allow them to gain credit toward their eligibility requirements for Veterinary school. If we don't encourage and enable rural students to pursue veterinary medicine, the situation Alberta producers are faced with regarding the lack of large animal veterinarians will be extremely inadequate.

We strongly encourage you to join us in advocating for our rural communities and recognize the practical hands-on experience these students can bring to their veterinary medicine studies.

Sincerely,



Roger Houghton
Cardston County, ASB Chairman

- - - CC: The Honourable Demetrios Nicolaides, Minister of Advanced Education
- - - The Honourable Marie-Claude Bibeau, Minister of Agriculture and Agri-Food
The Honourable Gudie Hutchings, Minister of Rural Economic Development
Mr. Glen Motz, MP Medicine Hat - Cardston
Mr. Joseph Schow, MLA Cardston-Siksika
Alberta Agricultural Service Boards