

AGENDA
CLEAR HILLS COUNTY
AGRICULTURAL SERVICE BOARD MEETING
June 12, 2017

The Agricultural Service Board meeting of Clear Hills County will be held on Monday, June 12, 2017 at 10:00 a.m. in the Council Chambers of the County Office, Worsley, Alberta.

1. CALL TO ORDER
2. AGENDA
3. ADOPTION OF PREVIOUS MINUTES
 - a. March 13, 2017 2
4. Delegation(s)
5. BUSINESS ARISING
6. OLD BUSINESS
 - a. Activity Report 6
 - b. Trade Show 8
7. NEW BUSINESS
 - a. Events 11
 - b. Policy 6308 Herbicide Dispensing Program 20
8. REPORTS
 - a. Agricultural Fieldman Report 26
 - b. Board Reports 29
9. INFORMATION & CORRESPONDENCE 40
10. CONFIDENTIAL
11. ADJOURNMENT

**MINUTES OF CLEAR HILLS COUNTY
AGRICULTURAL SERVICE BOARD MEETING
COUNCIL CHAMBERS, Worsley, Alberta
March 13, 2017**

PRESENT

Brian Harcourt	Chair
Charlie Johnson	Council Representative
Mackay Ross	Member
Baldur Ruecker	Deputy Chair
Julie Watchorn	Member
Garry Candy	Member

IN ATTENDANCE

Sarah Hayward	Community Development Clerk
Greg Coon	Agricultural Fieldman
Audrey Bjorklund	Community Development Manager

IN REGRET

CALL TO ORDER

Chair Harcourt called the meeting to order at 10:08 a.m.

AGENDA

AG37(03/13/17)

**RESOLUTION by Member Watchorn that this Agricultural Service Board adopts the agenda governing the March 13, 2017 Agricultural Service Board meeting with the following additions:
7 c. Water Management Plan
7 d. Tile Loan Program** **CARRIED.**

AG38(03/13/17)

RESOLUTION by Member Ross that this Agricultural Service Board adopts the minutes of the February 13, 2017 Agricultural Service Board Meeting as presented. **CARRIED.**

DELEGATION

OLD BUSINESS

Activity Report

The Board is presented with the Agricultural Service Board Activity Report.

AG39(03/13/17)

RESOLUTION by Member Ross that this Agricultural Service Board accepts the March 13, 2017 Agricultural Service Board Activity Report as presented. **CARRIED.**

Genetically Modified Alfalfa

The Peace Agricultural Service Board Chairs held a meeting January 25, 2017, and a resolution was put forth regarding all Peace Region municipalities elevating genetically modified alfalfa to a prohibited noxious weed

Chair Harcourt adjourned for a break at 10:48 a.m.
Chair Harcourt reconvened at 10:52 a.m.

AG40(03/13/17)

RESOLUTION by Deputy Chair Ruecker that this Agricultural Service Board recommend Council prepare a Bylaw elevating Genetically Modified Alfalfa to prohibited noxious weed status until such time as the product is accepted by all world markets.
CARRIED.

NEW BUSINESS
Events

The Board is presented with events for their consideration.

AG41 (03/13/17)

RESOLUTION by Deputy Chair Ruecker that this Agricultural Service Board authorize the attendance of Member Ross to attend SARDA Trade Show on March 17 or 18, 2017 at the Chevallier Centre in Falher, Alberta.
CARRIED.

AG42(03/13/17)

RESOLUTION by Councillor Johnson that this Agricultural Service Board authorize the attendance of Chair Harcourt, Deputy Chair Ruecker and Member Ross to attend Solar Power Workshop on March 15, 2017 at the Westmark hall near Woking, Alberta.
CARRIED.

AG43(03/13/17)

RESOLUTION by Councillor Johnson that this Agricultural Service Board authorize the attendance of all available members to attend Surface Rights Workshop at the Worsley Community Centre in Worsley, Alberta on March 29, 2017.
CARRIED.

AG44(03/13/17)

RESOLUTION by Deputy Chair Ruecker that this Agricultural Service Board authorize the attendance of Deputy Chair Ruecker, Councillor Johnson, Chair Harcourt and Member Ross to attend the 21st Century Homesteading Permaculture in the Peace Country on April 5, 2017 at the Grande Prairie Regional College in Fairview, Alberta.
CARRIED.

Trade Show

The 23rd Annual Agricultural Trade Show will be held on April 8, 2017. The Board is requested to provide the shifts each member will work, as well as who will be attending the banquet, and speaking as MC for the banquet.

AG45(03/13/17)

RESOLUTION by Member Watchorn that this Agricultural Service Board accept for information the Agricultural Service Board booth schedule and discussion around the 23rd Annual Clear Hills County Agricultural Trade Show being held on April 8, 2017 at the Dave Shaw Memorial Complex in Hines Creek, Alberta.
CARRIED.

Water Management
Plan

Member Ross requested this be added to today's agenda.

AG46(03/13/17)

RESOLUTION by Member Ross that this Agricultural Service Board accept for information the discussion about land drainage concerns.
CARRIED.

Drainage Tile Loan
Program

Member Ross Requested this be added to today's agenda.

AG47(03/13/17)

RESOLUTION by Member Ross that this Agricultural Service Board recommend Council send a letter to Alberta Agriculture and Forestry requesting the province to investigate the benefit of implementing a Land Drainage Tile Program similar to the province of Ontario's. **CARRIED.**

Chair Harcourt adjourned for lunch at 11:47 a.m.

Chair Harcourt reconvened at 12:14 p.m.

REPORTS

Agricultural Fieldman
Report

At this time the Agricultural Fieldman will have an opportunity to present his report.

AG48(03/13/17)

RESOLUTION by Member Candy that this Agricultural Service Board accepts the March 13, 2017 Agricultural Fieldman Report for information as presented. **CARRIED.**

Board Reports

At this time the Board members will have an opportunity to present their reports.

- Chair Harcourt: Attended Soil Health and Carbon Day on February 21, 2017 at the Centennial Hall in Spirit River, Alberta, Living with Wildlife on February 23, 2017 at the Grimshaw Legion in Grimshaw, Alberta and Peace Country Classic on March 9-11, 2017 at Evergreen Park in Grande Prairie, Alberta.
- Member Watchorn: Attended the ALUS meeting on February 22, 2017 at the Dunvegan Motor Inn in Fairview, Alberta and Peace Country Classic on March 9-11, 2017 at Evergreen Park in Grande Prairie, Alberta.
- Member Ross: Attended UFA Farm and Rach Insights on February 14, 2017 at the Pomeroy Hotel and Conference Centre in Grande Prairie, Alberta and Soil Health and Carbon Day on February 21, 2017 at the Centennial Hall in Spirit River, Alberta and Peace Country Classic on March 9-11, 2017 at Evergreen Park in Grande Prairie, Alberta.
- Member Candy: Attended the Alberta Beef Conference on February 15-17, 2017.
- Deputy Chair Ruecker: Attended Peace Country Classic on March 9-11, 2017 at Evergreen Park in Grande Prairie, Alberta, UFA Farm and Rach Insights on February 14, 2017 at the Pomeroy Hotel and Conference Centre in Grande Prairie, Alberta

AG49(03/13/17)

RESOLUTION by Member Candy that this Agricultural Service Board accepts the Board members' written and verbal reports of March 13, 2017 for information. **CARRIED.**

INFORMATION &
CORRESPONDENCE

The Board is presented with correspondence to review.

1. Alternative Land Use Service (ALUS) Flyer – (63-10-02)
2. Agricultural Service Board Grant Application – (63-10-02)
3. Oat Marketing Opportunities – PowerPoint – (63-10-02)
4. Peace Country Beef and Forage Association – newsletter January – (63-10-02)
5. Peace Country Beef and Forage Association – newsletter February – (63-10-02)
6. Peace Country Beef and Forage Association – thank you – (63-10-02)
7. Municipal Weed Control – letter – (63-10-02)
8. The Pest Insider – newsletter – (63-10-02)

AG50(03/13/17)

RESOLUTION by Member Watchorn that this Agricultural Service Board receives the information and correspondence of March 13, 2017 as presented. CARRIED.

ADJOURNMENT

Chair Harcourt adjourned the meeting at 12:43 p.m.

CHAIR

AGRICULTURAL FIELDMAN

Clear Hills County

Request For Decision (RFD)

Meeting:	Agricultural Service Board
Meeting Date:	June 12, 2017
Originated By:	Greg Coon, Agricultural Fieldman
Title:	ACTIVITY REPORT
File:	63-10-02

DESCRIPTION:

The board is presented with the Agricultural Service Board Activity Report.

BACKGROUND:

The Activity report is helpful to administration and the board for tracking the status of resolutions and directions from the board. Items will stay on the report until they are completed. Items that are shaded indicate that they are completed and will be removed from the list once presented at the current Agricultural Service Board meeting.

ATTACHMENTS:

- Agricultural Service Board Activity Report

RECOMMENDED ACTION:

RESOLUTION by _____ that this Agricultural Service Board (ASB) accepts the June 12, 2017 ASB Activity Report as presented.

Initials show support - Reviewed by: Manager: *Abj* AgFieldman:



Senior Management Team Agricultural Service Board

Activity Report for, June 12, 2017 Page 1 of 2

Budget Items:

CAO = Chief Administrative Officer

DO= Development Officer

EA = Executive Assistant

Completed Items:

CSM = Corporate Services Manager

AF = Ag. Fieldman

CDM = Community Development Manager

MOTION DATE DESCRIPTION DEPT STATUS

REGULAR AGRICULTURAL SERVICE BOARD MEETINGS				
Items in Waiting				
AG133	(12/12/16)	RESOLUTION by Member Watchorn that this Agricultural Service Board table the discussion around the CombCut Selective Mower and bring back information once the University of Saskatchewan field trial study is complete.		2020 OR 2021
AG21	(02/13/17)	RESOLUTION by Deputy Chair Ruecker that this Agricultural Service Board table motion AG109(10/17/16) regarding Glyphosate Tolerant Wheat until new information is available.		
AG40	(03/13/17)	RESOLUTION by Deputy Chair Ruecker that this Agricultural Service Board recommend Council prepare a Bylaw elevating Genetically Modified Alfalfa to prohibited noxious weed status until such time as the product is accepted by all world markets	AF	Sent to Minister
AG47	(03/13/17)	RESOLUTION by Member Ross that this Agricultural Service Board recommend Council send a letter to Alberta Agriculture and Forestry requesting the province to investigate the benefit of implementing a Land Drainage Tile Program similar to the province of Ontario's.	AF	Sent to Alberta Ag. & Forestry

Clear Hills County

Request For Decision (RFD)

Meeting:	Agricultural Service Board
Meeting Date:	June 12, 2017
Originated By:	Aaron Zylstra, Agricultural Fieldman
Title:	TRADESHOW
File:	63-10-30

DESCRIPTION:

The Agricultural Service Board is presented with the 2017 Tradeshow Revenue and Expense Analysis for review.

BACKGROUND:

The Agricultural Service Board has set a goal of 70% overall cost recovery for the Tradeshow.

The 7 Year Cost Recovery percentages:

2017	47%
2016	51%
2015	60%
2014	97%
2013	71%
2012	65%
2011	54%

BUDGET/COSTS

	2017 Budget	2017 Actual	Reason
Revenue	\$37,000	\$36,847.00	Sponsorship
Expenses	\$81,995	\$79,686.58	

ATTACHMENTS:


- 2017 Tradeshow Revenue and Expense Analysis

OPTIONS:

- Accept as presented
- Direct the following changes for 2017: _____

RECOMMENDED ACTION:

That this Agricultural Service Board accept the 2017 Trade Show Revenue and Expense Analysis as presented.

Initials show support - Reviewed by: Manager:		AgFieldman:
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2017 Tradeshow Revenue and Expense Analysis

REVENUES	2017		2016	
	Numbers	Dollars	Numbers	Dollars
Breakfast	302	\$ 602.00	365	725.00
Banquet	115	\$ 2,420.00	117	\$ 2,918.00
Booth Rentals	89	\$ 13,725.00	92	\$ 14,787.50
Sponsorship	25	\$ 20,100.00	21	\$ 18,400.00
		<u>\$ 36,847.00</u>		<u>\$ 36,831.00</u>
EXPENSES				
Entertainment		\$ 6,919.00		\$ 3,900.60
Trade Show Direct		\$ 14,280.00		\$ 13,600.00
Food & Catering		\$ 6,069.76		\$ 5,431.28
Advertising & Promotion		\$ 9,359.44		\$ 11,027.50
Staffing		\$ 22,334.09		\$ 23,237.77
Helping Hands		\$ 4,550.00		\$ 5,104.29
Rent & Maint/Improvements		\$ 5,410.00		\$ 5,500.00
General Supplies		\$ 7,703.89		\$ 3,685.96
Subsistence		\$ 3,060.40		\$ 805.30
		<u>\$ 79,686.58</u>		<u>\$ 72,292.70</u>

Trade Show Revenue and Expenses Additional Information:

Booths: 44 Agricultural
 18 Non- Agricultural (Home Based Businesses, etc.)
 13 Public Services
 15 Other
 Total booths: 89

Expenditures

Entertainment includes: Clown, Dueling Pianos. DJ moves - soundman for day

Tradeshow Direct includes: Framing, draping, tables, chairs, power cords, and inflatable Bouncer

Food & Catering includes: Breakfast groceries, Banquet Catering, doughnuts

Advertising includes: Radio & newspaper ads, signage, County door prizes, mail outs, talent show winner prizes

Helping Hands includes:

\$500 Hines Creek Fire Department – Security for Tradeshow

\$750 4H – exhibitor move in/move out, garbage and help with dining hall set up.

Initials show support - Reviewed by: Manager:	AgFieldman:
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\$1,600 Clear River Riders – wagon rides to carry attendees to/from vehicles

\$1,700 Hines Creek Composite School for setting up and taking down (includes senior boys basketball team and Hines Creek Grad Class)

Building Rent & Improvements includes: The arena rent for one week

General Supplies includes: Freight, helium, paint, sweeping compound, helping hands t-shirts, telephone expenses, ornaments, other misc supplies.

Subsistence includes: Meals for staff & helping hands

p

ANOTHER WAY OF LOOKING AT THE NUMBERS:

Another way of looking at the numbers

Event	Attendance	2017			2016	
		Revenue	Expenses	Profit/Loss	Cost Recovery	Cost Recovery
Breakfast	302	\$ 602.00	\$ 1,897.76	-1,295.76	32%	40%
Tradeshow	speculative	\$ 33,825.00	\$ 70,588.82	-36,763.82	48%	51%
Banquet	117	\$ 2,420.00	\$ 7,200.00	-4,780.00	34%	61%
		\$ 36,847.00	\$ 79,686.58	-42,839.58	47%	51%

Breakfast revenue includes: Ticket sales

Breakfast expenses include: Groceries

Trade Show revenue includes: Booth rentals and sponsorship

Trade Show expenses include: Entertainment, Staffing, Subsistence, Trade show Direct, Advertising, General supplies, Donuts, Building rent & Helping hands

Banquet revenue includes: Ticket sales

Banquet Expenses includes: Entertainment & caterer

Initials show support - Reviewed by: Manager:

AgFieldman:

Clear Hills County Request For Decision (RFD)

Meeting:	Agricultural Service Board
Meeting Date:	June 12, 2017
Originated By:	Greg Coon, Agricultural Fieldman
Title:	EVENTS
File:	63-10-02

DESCRIPTION:

The Board is presented with events for their consideration.

BACKGROUND:

- Future Climate Scenarios presentation on June 14, 2017 at the Grande Prairie Regional College in Fairview, Alberta.
- Grazing School Workshop on June 25, 2017 at John Prinse's Farm in Enilda, Alberta or on June 26, 2017 at Aspen Acres Farm near Teepee Creek, Alberta.
- Farming Smarter Field Day on June 27, 28 or 29, 2017 at the Farming Smarter, in Lethbridge, Alberta.
- Field Day at the Research Farm on July 19, 2017 near Fairview, Alberta.
- ACIDF Pasture Rejuvenation Days on August 23, 2017 in Rycroft, Alberta or August 24, 2017 in Grovedale, Alberta.

BUDGET/COSTS:

OPTIONS:

1. Approve the attendance of one or more members to one or more of the events listed.
2. Accept for information.

ATTACHMENTS:

- Event Attendance Cost Estimate
- Calendars (June & July)
- Future Climate Change Scenarios Poster
- Grazing School Poster
- Farming Smarter Field Day Brochure
- ACIDF Pasture Rejuvenation Days Poster

RECOMMENDED ACTION:

That this Agricultural Service Board ...

Initials show support - Reviewed by: Manager:	<i>ABJ</i>	AgFieldman:
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Upcoming Events Cost estimate per day per individual

Event	Location	Dates	# of days	Registration	Kms roundtrip from Worsley	Mileage	Room	Meals	Personal Allowance	Per Diem	Total Cost per person per day
Future Climate Change	Fairview, AB	June 14, 2017	1	\$0	170.6	\$92.12	\$0.00	\$0.00		\$165.60	\$257.72
Grazing School	Teepee Creek, AB	June 26, 2017	1	\$25	361.4	\$195.16	\$0.00	\$0.00		\$165.60	\$385.76
Field Day at the Research Farm	Fairview, AB	July 19, 2017	1	\$0	170.6	\$92.12	\$0.00	\$0.00		\$165.60	\$257.72
ACIDF Pasture Rejuvenation Days	Rycroft, AB	August 23, 2017	1	\$25	239.4	\$129.28	\$0.00	\$0.00		\$165.60	\$319.88
											\$1,221.08

June 2017

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				1	2	3
4	5	6	7	8	9	10
11	12 ASB Mtg. All	13 Council Mtg.	14 Future Climate Change Scenarios	15	16	17
18	19	20	21	22	23	24
25 Grazing School High Prairie	26 Grazing School Teepee Creek	27 Council Mtg. Farming Smarter	28 Farming Smarter	29 Farming Smarter	30	

June 14th – Future Climate Change Scenarios presentation at the Grande Prairie Regional College in Room AC 144 Administration Building at 10:00 a.m.

June 25th – Grazing School workshop at John Prinse’s Farm in Enilda, Alberta at 9:30 a.m.

June 26th – Grazing School workshop at the Aspen Acres Farm in Teepee Creek, Alberta at 9:30 a.m.

June 27th, 28th or 29th – Farming Smarter Field Day at the Farming Smarter, RR 8-28-8, Lethbridge, AB

Legend:

BH – Brian Harcourt

BR – Baldur Ruecker

MR – MacKay Ross

GC – Garry Candy

JW – Julie Watchorn

CJ – Charlie Johnson

All – All available members

July 2017

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
						1
2	3	4	5	6	7	8
9	10 ASB Mtg	11 Council mtg.	12	13	14	15
16	17	18	19 Field Day at the Research Farm	20 County BBQ	21	22
23	24	25 Council mtg	26	27	28	29
30	31					

July 19th – Field Day at the research Farm near Fairview, Alberta
 July 20th – Clear Hills County BBQ at the Clear River Campground

Legend:

BH – Brian Harcourt
 BR – Baldur Ruecker
 MR – MacKay Ross
 GC – Garry Candy
 JW – Julie Watchorn
 CJ – Charlie Johnson
 All – All available members

Evaluation of Future Climate Scenarios in the Peace River Region of Alberta Using the Land Suitability Rating System

Preliminary Results

Who:

Pierre-Yves Gasser, Land Resource Analyst
Agriculture and Agri-Food Canada, Ottawa

Michael Bock, Senior Soil Resources Specialist
Agriculture and Agri-Food Canada, Edmonton

What:

- Scientists with Agriculture and Agri-Food Canada will be presenting preliminary results of a research project assessing the potential impact of future climate change on land suitability for crop production in the Peace River Region.
- The Land Suitability Rating System (LSRS) uses soil, landscape and climate data to evaluate the suitability of land for the production of a variety of agricultural crops.
- The LSRS is similar to, but replaces, the earlier Canada Land Inventory (CLI) approach to rating land capability for agriculture.
- LSRS has generally been used with current climate datasets, but more recently has been used with future climate data predicted using a variety of Global Change Models.
- What possible impacts will climate change have on the land suitability for crop production over the next 15, 45 or 75 years?

Where:

Peace Country Beef and Forage Association
Rm AC 144 Administration Building
GPRC Fairview Campus
Fairview, AB

When:

Wednesday, June 14, 2017
10:00 – 11:00 am presentation
11:00 – 11:30 am feedback and discussion

Grazing a Highly Productive Pasture System

1-Day Grazing School

Featuring Jim Gerrish, American GrazingLands LLC

More biodiversity of forages in a pasture has the potential to increase production when managed effectively. In this speaker series, producers will gain valuable knowledge on how to more effectively manage their grazing lands for economic and environmental sustainability. Jim Gerrish, an experienced beef-forage systems and research specialist, will provide insight and practical ideas for managing a highly productive pasture system and address some of the challenges that producers may face.



Date	Place	Time	Register with:
June 25th	John Prinse's Farm, Enilda, AB <i>From High Prairie, go E on Hwy 2 and 6 miles N on Hwy 750</i>	9:30am-4:30pm <i>Registration at 9:00am</i>	PCBFA at www.peacecountrybeef.ca/jim-gerrish or 780-835-6799 ext. 3
June 26th	Aspen Acres Farm, Teepee Creek, AB <i>From Teepee Creek, go N on Hwy 733, E on Typ Rd 752 and 1 mile N on RR 24</i>	9:30am-4:30pm <i>Registration at 9:00am</i>	PCBFA at www.peacecountrybeef.ca/jim-gerrish or 780-835-6799 ext. 3

Cost: \$25/member or \$40/non-member (Lunch Included)



Farming Smarter Field School takes place at our research site located 2.6 km east of Lethbridge on Hwy 512. Join us for morning coffee in the quonset.



NEW FARMING SMARTER, RR 8-28-8, LETHBRIDGE, AB, T1J 4P4

For more information and to register, visit
www.farmingsmarter.com
 or Phone: 403-317-0022



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2017

FIELD SCHOOL

JUNE 27, 28, 29

SAME AGENDA EACH DAY
 (CHOOSE ONE)

#FSFS17
\$195
 GST & LUNCH
 INCLUDED



FARMING SMARTER FIELD SCHOOL

AGENDA JUNE 27, 28, 29



JUNE 27
 SAME EVENT EACH DAY
 (CHOOSE ONE)

8:00 A.M. — 8:30 A.M.	REGISTRATION AND INTRODUCTIONS	
8:30 A.M.- 10:00 A.M. 45 MIN SESSIONS	TOPIC 1: GREEN REVOLUTION <i>Instructor: Dr. Tom Jensen, IPNI</i> <ul style="list-style-type: none"> History of fertilizer use and nutrient management Mining soil OM Supplemental nutrient use 	TOPIC 2: A SPRINKLE IN TIME <i>Instructors: Dr. Shelley Woods & Roger Hohm</i> <ul style="list-style-type: none"> History of irrigation in southern Alberta Irrigation equipment and technology Soil types and irrigation management



10:00 A.M. – 10:30 A.M.	BREAK	
10:30 A.M. – NOON 45 MIN SESSIONS	TOPIC 1: KEEP IT COVERED <i>Instructors: Rob Dunn & Dr. Bob Blackshaw</i> <ul style="list-style-type: none"> Water use efficiency and crop diversity How does diversity impact soil health Looking ahead: options for increased diversity and sustainability 	TOPIC 2: TILLAGE TALES <i>Instructors: Dr. Ben Ellert & Dr. Wayne Lindwall</i> <ul style="list-style-type: none"> Conservation tillage evolution over 50 years Key benefits for soil and water Reduced soil disturbance, more cover, finding the balance



NOON – 1:00 P.M.	LUNCH						
CONCURRENT SESSIONS TIME	PLANTING THE BACK 40 RICHARD FRITZLER	BREAKING THE LAND RON SVANES	PRECISION PLANTER KEN COLES	PESTS OF PAST & PRESENT DR. REEM ABOUKHADDOUR	AG HISTORIAN	IN-FIELD MUSEUM	BEER GARDENS
1:00 - 1:30							
1:30 - 2:00							
2:00 - 2:30							
2:30 - 3:00							
3:00 - 3:30							

www.farmingsmarter.com

ACIDF Pasture Rejuvenation Days

Join us for the afternoon (1:00pm-4:00pm) on August 23rd in Rycroft or August 24th in Grovedale!

- Update on project & research findings!

The ACIDF Pasture Rejuvenation Project is aimed at providing producers with a practical look at potential options and methods to improve the productivity of older forage stands.

- Hear from the experts, get your questions answered!

How much more forage does a reseed produce? How will I gain from forage stand rejuvenation? Where will I see the benefits? What reseeding methods or seeding equipment should I use? How can I reduce soil compaction and improve water infiltration? Can I seed in fall instead of spring?

Learn how to:

-Increase economic returns

-Improve forage quality

-Manage degraded soil with minimal environmental effects

Clear Hills County Request For Decision (RFD)

Meeting:	Agricultural Service Board
Meeting Date:	June 12, 2017
Originated By:	Greg Coon, Agricultural Fieldman
Title:	Herbicide Dispensing Program Policy 6308
File:	63-10-02

DESCRIPTION:

The Board is provided with information from Alberta Environment and Parks regarding pesticide distribution.

BACKGROUND:

The Agricultural Fieldman at Clear Hills County received an email from Vivianne Servant, the Pesticide Certification Specialist with Alberta Environment and Parks. The email re-iterates items in the Pest Control Products Act regarding distributing or decanting pesticides and the registrations required. After reviewing the County's Herbicide Dispensing Program Policy 6308, it appears the policy is in contravention of the Act.

OPTIONS:

1. Recommend to Council that they rescind Policy 6308.
2. Recommend to Council that they amend Policy 6308.

ATTACHMENTS:

- Email from Vivianne Servant with Alberta Environment and Parks
- Copy of Clear Hills County Herbicide Dispensing Program Policy 6308
- Copy of Form B= Policy 6308 Herbicide User Agreement

RECOMMENDED ACTION:

RESOLUTION by that this Agricultural Service Board recommend Council rescind or amend as follows Policy 6306 Herbicide Dispensing Program:

Initials show support - Reviewed by: Manager:

ABj

AgFieldman:

To: ksmigelski@rockyview.ca; lpoile@rockyview.ca; earmagost@saddlehills.ab.ca; JWhite@saddlehills.ab.ca; SSteffen@saddlehills.ab.ca; jasonse@siksikanation.com; ashapka@smokylakecounty.ab.ca; toric@smokylakecounty.ab.ca; don.hogan@specialareas.ab.ca; jesse.williams@specialareas.ab.ca; Justine.Simpson@specialareas.ab.ca; ahampton@starlandcounty.com; dara@starlandcounty.com; qbeaumont@stettlercounty.ca; rhallett@stettlercounty.ca; diana.wahlstrom@strathcona.ca; joel.gould@strathcona.ca; john.mcgladdery@strathcona.ca; aveenstra@sturgeoncounty.ab.ca; ahutchings@sturgeoncounty.ca; bbelanger@sturgeoncounty.ca; ekozak@thcounty.ab.ca; lboyd@thcounty.ab.ca; clarence.dowhan@thorhildcounty.com; sarah@thorhildcounty.com; agmanager@vulcancounty.ab.ca; res@vulcancounty.ab.ca; cpreston@warnercounty.ca; jlepage@warnercounty.ca; jmeeks@warnercounty.ca; dmedcke@westlockcounty.com; jtigert@westlockcounty.com; jason.regehr@wheatlandcounty.ca; russel.muenchrath@wheatlandcounty.ca; dawn.fortin@woodlands.ab.ca; jbenson@yellowheadcounty.ab.ca; mmarquis@yellowheadcounty.ab.ca; poneil@yellowheadcounty.ab.ca

Subject: Rural Acreage Owner (RAO) Pesticide Certificate Program

Attachments: Rural Acreage Owner Herbicide Program and Procedures 2017.pdf; RAOPCBroRev3lr (3).pdf

Below is information provided by Vivianne Servant (Vivianne.Servant@gov.ab.ca) on the roll out of the Rural Acreage Owner Pesticide Certificate Program to *rural municipalities that wish to participate in the program.

This email and any attachments are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not the named addressee or have received this communication in error, please notify the sender immediately by email, delete this email and any attachments from your system, and do not disseminate, distribute or copy this email and any attachments.

>>> Vivianne Servant <Vivianne.Servant@gov.ab.ca> 3/29/2017 12:44 PM >>>

Hi everyone:

Please accept my apologies with the lateness in response to the Rural Acreage Owner (RAO) committee meeting in December.

As we discussed in December as a group, it was agreed that the Rural Acreage Owner Pilot Program can be extended to include all other *rural municipalities in Alberta (except Specialized Municipalities). Unfortunately, specialized municipalities are specifically excluded from the definition of acreages and so at this time, they cannot participate in the Rural Acreage Owner Program. We have requested a legislative change to the pesticide regulations to remove that exclusion however we are told that this may take up to one year for the change to the legislation to be made. Please also note that acreage owner within hamlets, villages, towns or cities also cannot participate in this program.

As discussed, for municipalities to participate in the RAO Program, a number of requirements must be met. I've included a document outlining the requirements. *Trent, could you please circulate this document to the AAAF membership and request that municipalities who have read the Program and Procedures document that want to participate in the RAO program, email me their request to join the RAO program?*

I'd like to also re-iterate a few items regarding pesticide distribution (sale or giving free of charge):

- municipalities must obtain a vendor registration to distribute (ie. sell or give) pesticides to anyone, including Rural Acreage Owners, farmers or even certified applicators.
- **Municipality MUST NOT decant a small amount herbicide into any another container to distribute to their residents as this is an illegal activity under the Pest Control Products Act.**

- The *Environmental Code of Practice for Pesticides* authorizes existing retail vendors to sell some specific Commercial class pesticides to acreage owners for control of weeds in turf, shelterbelts and for non-selective weed control in non-cropland.
- If RAOs want to control weeds in pastures or fencelines, they must:
 - o contract the services of a service registration holder,
 - o become certified as an applicator, or
 - o If their municipality participates in the Rural Acreage Owners Program and the RAO that holds the certificate, they can obtain product from the AF to an conduct the application. **However, the RAO certificate holder can only conduct the application ON THEIR OWN LAND.**

I would also encourage any of your membership to call me should they have any questions regarding the RAO program or other sales of pesticides questions.

Best regards,

Vivianne Servant

**Pesticide Certification Specialist
Alberta Environment and Parks
Box 24, 10320-99 Street
Grande Prairie AB T8V 6J4
ph: 780 538-8054**



Clear Hills County

Effective Date: February 22, 2011	Policy Number 6308
Title: HERBICIDE DISPENSING PROGRAM POLICY	

1. Policy Statement

- 1.1. Clear Hills County recognizes a need to assist land managers with small parcels of land to control weeds on their own property in an effective manner and to decrease County-wide weed populations.

2. Purpose

- 2.1. To provide a tool to land managers for control of small patches of Prohibited Noxious and/or Noxious weeds.

3. Responsibilities

- 3.1. Weed inspectors may be trained in herbicide handling, use, and safety precautions.
- 3.2. The Agricultural Fieldman will select herbicides for use for this policy.
- 3.3. Agricultural Services staff may verify the weed identification, location and severity; as well as verify the effectiveness of the herbicide application.
- 3.4. Agricultural Services staff will only provide herbicide, to a maximum of one acre coverage, to land managers for the control of Prohibitive Noxious and Noxious weeds listed in the Weed Control Act Regulations or as designated by County bylaw.
- 3.5. Agricultural Services staff will provide safety precautions, Material Safety Data Sheets (MSDS), labels, and instructions for the proper use and safe handling of dispensed herbicides.
- 3.6. Agricultural Services staff may provide the herbicide in concentrate form in a closed container or in solution in a County back pack sprayer. The user will provide the designated deposit for the back pack sprayer.
- 3.7. The herbicide user will agree to and sign the [Herbicide User Agreement](#) (form B).

- 3.8. The herbicide user will return to the County any unused herbicide given to the herbicide user within the same calendar year in which it was given.
- 3.9. No fees will be charged for the herbicide or any part of this service, other than the refundable deposit for a backpack sprayer.

4. Related Legislation

- 4.1. Weed Control Act
- 4.2. Environmental Protection and Enhancement Act

5. End of Policy

ADOPTED
Resolution C168(02/22/11)

Date: February 22, 2011



CLEAR HILLS COUNTY

**Form B - Policy 6308:
HERBICIDE USER AGREEMENT TERMS & CONDITIONS :**

I/We [the herbicide user(s)] agree to the following:

1. Clear Hills County reserves the right to distribute herbicides based on the weed priorities of the County.
2. Clear Hills County has provided me with the herbicide label, material safety data sheet (MSDS), and instruction on proper application of the herbicide.
3. The herbicide user is responsible for the proper use, safety, equipment, and knowledge of the herbicide being requested
4. The herbicide user will hold Clear Hills County harmless for any damage, expense, or liability arising from use, misuse, injury or damage to the herbicide user, its agents, servants, employees and neighbors; or to the property of the herbicide user or neighboring property.
5. No compensation to the County is required for the use of this herbicide.
6. Any herbicide received from the County, either in concentrate or in solution, that is not used will be returned to the County in the same calendar year in which it was given.
7. This herbicide must not be applied on water, whatsoever.
8. This herbicide is given with the intent to control weeds designated in the Weed Control Act.

I, _____ have read, understand and agree to the terms and conditions stated above.

Legal Land Description of herbicide application: _____ | _____ | _____ | _____ | W6
LSD or ¼ Sec Twp Rg Mer

Herbicide received: _____

Signature: _____

Date: _____

Box 240, Worsley, Alberta T0H 3W0 Telephone 780/685-3925 Fax 780/ 685-3960 Email info@clearhillscounty.ab.ca

"Clearly an Area of Opportunity"



Clear Hills County

Request For Decision (RFD)

Meeting:	Agricultural Service Board Meeting
Meeting Date:	June 12, 2017
Originated By:	Greg Coon, Agricultural Fieldman
Title:	AGRICULTURAL FIELDMAN REPORT
File No:	63-10-02

DESCRIPTION:

At this time the Agricultural Fieldman will have an opportunity to present his report.

BACKGROUND / PROPOSAL:

ATTACHMENTS:

- Greg- Agricultural Fieldman Report-June 12, 2017

RECOMMENDED ACTION:

RESOLUTION by _____ that the Agricultural Service Board accepts the June 12, 2017 Agricultural Fieldman report for information.

Initials show support - Reviewed by: Manager: *Abj* AgFieldman:

CLEAR HILLS COUNTY

AGRICULTURAL FIELDMAN REPORT

JUNE 12, 2017

GREG COON

PEST CONTROL

- **Wolf numbers:**

Total #	Total \$
48	\$ 19,200.00

- **Coyotes claimed 2017:**

Total #	Total \$
293	\$8,790.00

- **Beaver tails claimed 2017:**

Total #	Total \$
338	\$10,140.00

OTHER TOPICS

- All inspectors have completed training and are all certified authorized assistants. They all attended a spray crew workshop and a weed inspector workshop in Peace River. The three new inspectors took the authorized assistant course in Saddle Hills County. We have an inspector in each of 4 white zone areas and 2 inspectors covering the green zone and all industrial sites in the white zone.
- The skid mount sprayers have all been serviced and set up with new hose reels and wands.
- Inspections are progressing along nicely.
- The ASB Grant for 2017 - 2019 has been approved. The County will receive \$168,359.46 in legislative stream funding each year for the next three years. This amount is unchanged from what we received for the 2014 -2016 ASB Grant.
- This year, we partnered with MD of Fairview, MD of Peace, MD of Spirit River, Birch Hills County, and Saddle Hills County for the enhanced environmental stream funding. The 6 municipalities will share \$105,000.00 in environmental stream funding each year for the next three years. This is down slightly from the \$107,000.00 per year that was received by the six municipalities in the previous three years, due mainly to more municipalities throughout the province applying for the enhanced funding. These environmental stream funds will be allocated to the Peace Country Beef and Forage Association, as they will be looking after all extension programming for the six partnering municipalities

Rental Equipment Usage January 1, 2017 - May 31, 2017

Equipment	Rental Deposits	Rental Rates	Total Users	Total Days	Total Revenue (Year to date)
Backpack Sprayer	\$ 50.00	\$ -			
Bale Scale	\$ 100.00	\$ 30.00			
Ball Hitch (2" & 2 5/16")	\$ -	\$ -			
Chairs	\$ 50.00	\$ 0.5/chair	1	1	\$ 50.00
Community Centre	\$ 50.00	\$ 50.00	6	13	\$ 650.00
Corral Panels	\$ 50.00	\$ 50.00	3	3	\$ 100.00
Coyote Trap	\$ -	\$ -			
Eco-Bran Applicator	\$ 50.00	\$ 50.00			
Grain Bag Roller	\$ 50.00	\$ -	7	11	\$ -
Grain Bagger	\$ 350.00	\$ 350.00			
Grain Bag Extractor	\$ 350.00	\$ 350.00	6	6	\$ 2,100.00
Grain Van	\$ 400.00	\$ 200.00	15	15	\$ 4,500.00
Grill	\$ 50.00	\$ 5.00	1	2	\$ 10.00
Hand Held Rope Wick	\$ 50.00	\$ 10.00			
Land Leveller	\$ 260.00	\$ 130.00			
Loading Chute	\$ 50.00	\$ 25.00	6	7	\$ 175.00
Manure Spreader	\$ 300.00	\$ 150.00			
Mulch Applicator	\$ 50.00	\$ 25.00			
Extra Hoses	\$ 50.00	\$ 1.00			
Post Pounder	\$ 250.00	\$ 125.00	1	1	\$ 125.00
Pull/Push Roller Applicator	\$ 50.00	\$ -			
Quad Mount Rope Wick	\$ 50.00	\$ -			
Quad Mounted Sprayer	\$ 50.00	\$ -			
Quad Pull Type Sprayer	\$ 50.00	\$ -			
Rock Picker	\$ 600.00	\$ 300.00			
Rock Rake	\$ 600.00	\$ 300.00	1	1	\$ 300.00
Roller Mill	\$ 50.00	\$ 20.00	1	1	\$ 20.00
Rotowiper	\$ 150.00	\$ 75.00			
Scare Cannon #91060254	\$ 50.00	\$ -			
Signs	\$ 60.00	\$ -	2	2	\$ -
Skid Mount Sprayer	\$ 50.00	\$ -			
Steam Tables	\$ 50.00	\$ 5.00			
Tables	\$ 50.00	\$ 1.00/table	2	2	\$ 24.00
Toilets	\$ 100.00	\$ 40.00			
Tree Spade	\$ 300.00	\$ 50.00	1	1	\$ 50.00
Truck Mount Sprayer	\$ 200.00	\$ 100.00			
Wash Station	\$ 50.00	\$ 10.00			
	\$100.00 (Summer	\$75.00(Summer)			
Water Pumps	\$1,000.00 (Winter)	\$200 (Winter)	3	5	\$ 575.00
Zero Till Drills	\$ 300.00	\$300.00/20 feet	2	2	\$ 600.00
Wire Roller	\$ 50.00	\$ 25.00			
Post Hole Auger	\$ 50.00	\$ 25.00	1	1	\$ 25.00
Sickle Mower	\$ 100.00				
BBQ Trailer	\$ 100.00	60	1	2	\$ 100.00
	43		60	76	\$ 9,404.00

Clear Hills County

Request For Decision (RFD)

Meeting:	Agricultural Service Board Meeting
Meeting Date:	June 12, 2017
Originated By:	Greg Coon, Agricultural Fieldman
Title:	BOARD REPORTS
File No:	63-10-02

DESCRIPTION:

At this time the Board members will have an opportunity to present their reports.

BACKGROUND / PROPOSAL:

At this time the Board members will have an opportunity to report on meetings attended and other agricultural related topics.

ATTACHMENTS:

- Chair Harcourt written reports
- Member Ross

RECOMMENDED ACTION:

RESOLUTION by _____ that this Agricultural Service Board accepts the Board members' written or verbal reports of June 12, 2017 for information.

Initials show support - Reviewed by: Manager: *ABj* AgFieldman:

Organic Alberta and Holistic Management Conference 2017

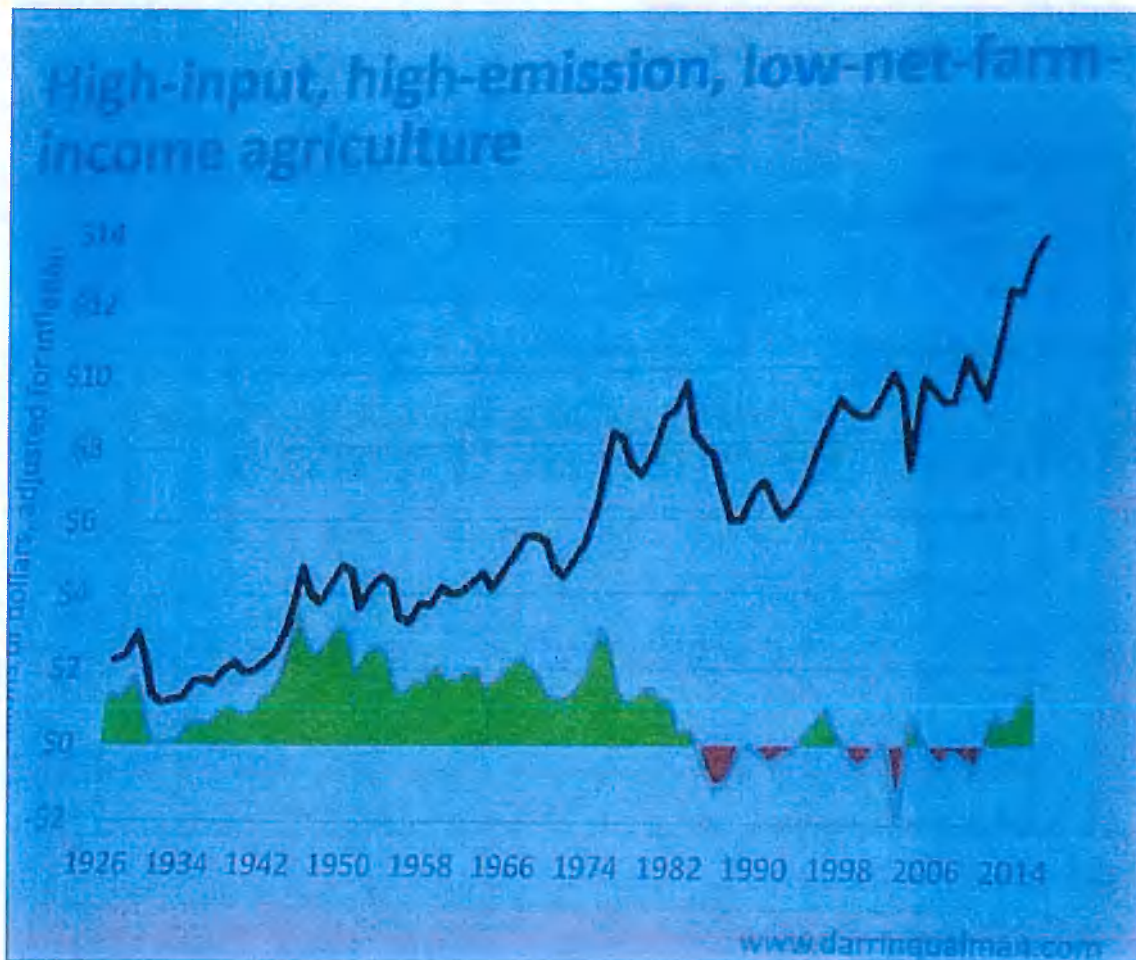
By: MacKay Ross

Agriculture Energy, Greenhouse Gases and Climate with Darrin Qualman

Our civilization predicament, at 2.8% growth in CO₂ in the atmosphere per year, we will see a 16 fold increase over todays 400ppm by 2100. Everything was solar powered, low input, net zero emissions until the industrial revolution. 2018 is the 100 anniversary of the tractor. Fertilizer use has doubled every 30 years since the 1950's.

Greenhouse gas emissions; from livestock has barely changed in 30 years, from Nitrogen fertilizer has doubled, for farm eqipement (tractors etc.) has been stagnant. It is Nitrogen fertilizer that is driving Agricultural Greenhouse Gas emissions up. Atmospheric Carbon is rising 100x faster than any time in 800,000 years, and hasn't broken the 300ppm ceiling in 120,000 years (the last ice age). Agriculture doesn't produce GHG, agricultural inputs create GHG emissions. The future is low input (low/no synthetic fertilizer), hence low emissions agriculture.

Even if the Paris Climate Agreement is met, the planet will still warm 3.2'C. Alberta will warm 6.4'C, 2'C increase in global temperature is the perceived dangerous temp, we are ¾ of the way there.



Follow the energy and material flow to see what's really happening, following the money creates a fog.

Efficient Nutrient Management presented by Joanne Thiessen Martens

The 5% from the soil that plants need are like the bucket of bolts that hold a combine together, the other 95% comes from the air/water. Without plant available nutrients from the soil the plant will not produce nutrient rich food.

Concentrate on managing nutrient cycles.

Nitrogen fixation in the form of legumes every 2-3 years. 2 year rotation maximum to start a new field. Always consider what is physically being removed from the field (seeds [low amounts/acre], hay [high/acre], livestock [low/acre] verses what is being put on (compost, manure, micro nutrients, etc).

Organic Phosphorus levels from 5-10ppm in the soil will grow plants, however 10-60 ppm is best.

Sulphur 10 lb/acre for good growth (ppm?).

?are the microbes in organic systems carbon staved?

Ensure healthy soil biology by adding adequate nutrients and using good management, will grow above average yielding crops.

Compost has a side effect of boosting nutrient uptake by plants.

Key message; "Support/feed soil biology."

BMP for Managing Weeds in Organic Farms

Recommend a 1.5x seeding rate over conventional; crowd the weeds out and form complete canopy.

Rotary hoe or tine harrow early (tine harrow with seed rows up to 4x without yield loss), Mid row cultivation works best at mid growth, after canopy forms (Combcut?).

Leafed and semi leafed peas grown together show a 10-15% yield increase, intercropping will help.

Rod weeder works well, were cheap to purchase, not recommended in Gray Wooded soils.

Plow green manure crop that has excessive high weed pressure, win/win.

Corn stalk shredder, to beat down weed tops or to mulch green manure 1-2x during the season to prevent seed production, then work to the soil.

Sweet and red clover will require shredding 3x a year.

6-7 mph light tine harrow (up to 4x), bury the weeds.

Green manure plow down of oats at milk stage, plowing at doe stage is too late.

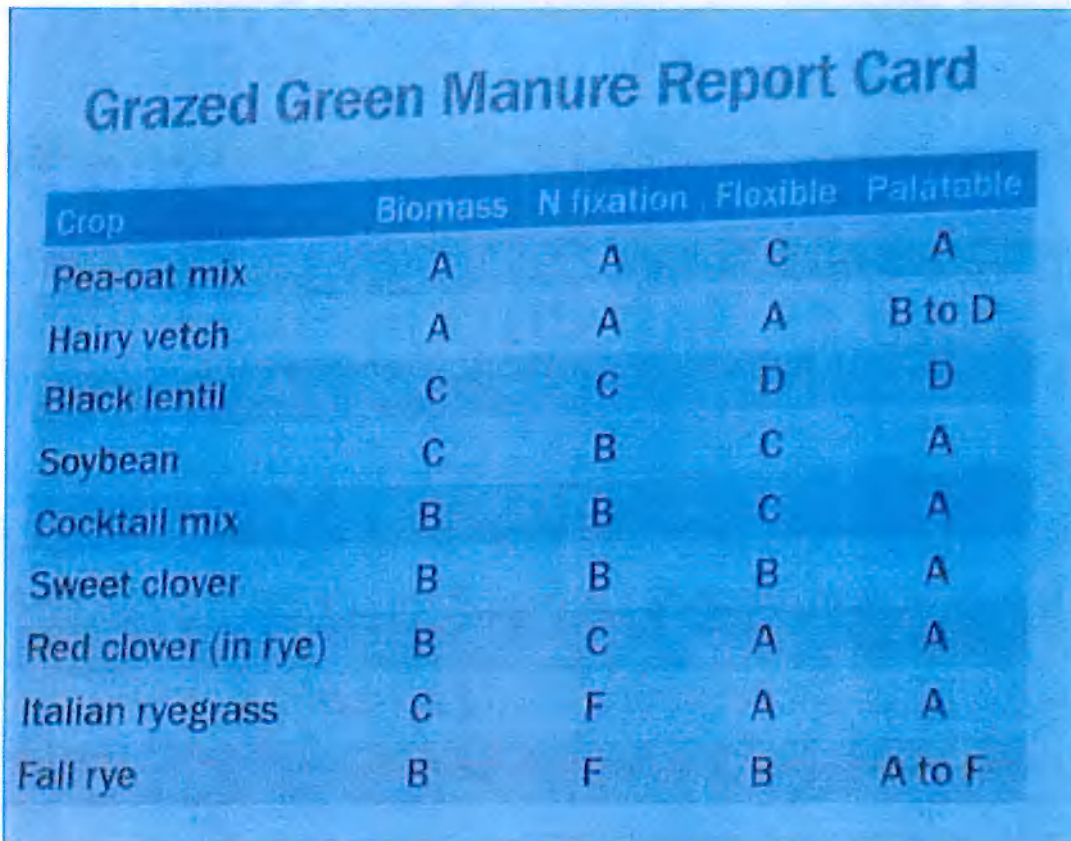
Organic Grain and Beef Integration with Joanne Thiessen Martens and Ben Stuart

Livestock allows better usage of forages from a field's rotation. Livestock excrete 90% of grass/hay that they consume and urinate 75% of the water consumed which is then microbe and plant available. Crops that follow grazing (of Green Manure or stubble grazing) always yield higher.

Grazing builds resilience and regenerates soil faster. Remember 1% SOM = 1" of water retention.

Be flexible, weed issues are food for livestock. Only remove weeds mechanically as a last resort.

Green Manure costs \$168/acre, so look for ways to recoup costs. Custom grazing during summer has a \$1.10/day/head potential, till in Green Manure and livestock waste which has a \$30/acre value.



Crop	Biomass	N fixation	Flexible	Palatable
Pea-oat mix	A	A	C	A
Hairy vetch	A	A	A	B to D
Black lentil	C	C	D	D
Soybean	C	B	C	A
Cocktail mix	B	B	C	A
Sweet clover	B	B	B	A
Red clover (in rye)	B	C	A	A
Italian ryegrass	C	F	A	A
Fall rye	B	F	B	A to F

Farm Scale Compost Tea

Use boomless nozzles to avoid plugging.

Producer used products from Surrey BC which are blended compost mixed for maximum biological variety. The food one puts in the compost will depend if bacteria or fungi grows in the tea.

Don't need lots of compost but it must be good, 1lb will make 100 gallons of tea (?) applications are 10-20 gallons/acre. Recommended 4-5 applications a year; 1 pre seeding, 2-3 in crop and 1 post-harvest.

Using as a seed treatment has shown measurable benefits. After tillage application to replenish soil life.

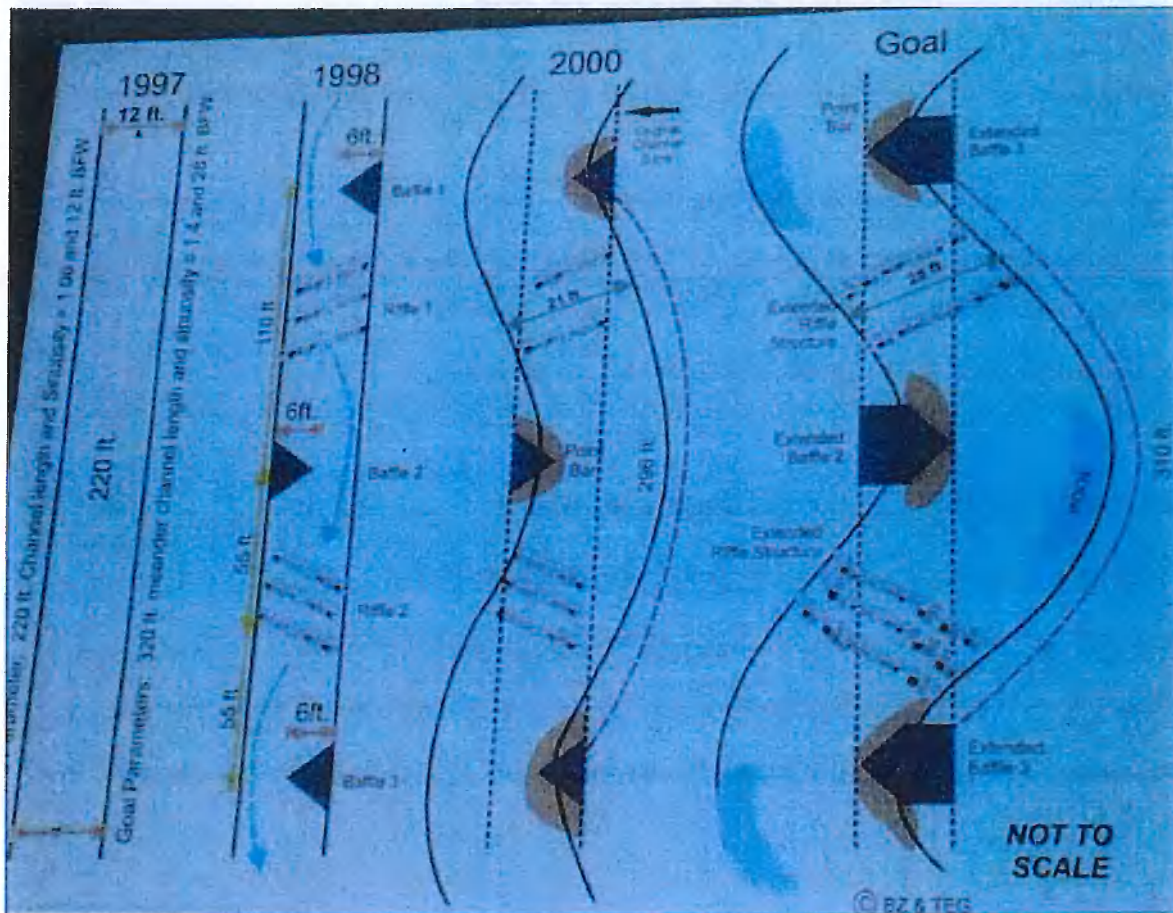
Generally fungi is the most lacking in agriculture soil. One cannot over apply compost tea. What can the forest teach us? No fertilizer and random water. Build soil that works the same.

Quivira Organization presented by Courtney White

A Sierra club member who wanted cooperation and change, who met a holistic management rancher that joined the Sierra club looking to show the environmentalists there was a way.

Grazing is important, areas left without grazing for years are less healthy than properly/holistically grazed.

Stream management; eroding streams (duration of flow is unimportant) are straight, narrow and fast. Desired streams are meandering, wide and slow. Book on stream mitigation, "Let the Water do the Work" by Bill Zeedyk



Key message; Do not build deflection or rock beds taller than 1 rock high.

jcourtneywhite.com

The Impact of Carbon Farming. By Richard Teague

Energy capture is the number one pursuit, followed by water retention, encouraging mineral availability, and creating Community dynamics/diversity.

Flexible stocking to match forage yield, whenever possible.

Long recovery periods 1graze a year might be too long, but 2 a year is probably too short.

10 years AMP (Adaptive Multiple Paddock) goes from 1% carbon to 10%, 1"/hour water absorbed to 8"/hour, 4x the forage production. Recommended one day or less of grazing per paddock.

Another speaker extolling that grazing cover crops results in net gain across all metrics.

High soil carbon and biological activity will result in equal yields to conventional and can/does exceed conventional yields.

(My note) No-till, high diversity, cover crops, livestock, long rotation.

Net sequestered carbon in livestock on continuous grazing is slightly net, AMP almost 10:1 sequestered vs emitted. 1 ton/hectares/year sequestered carbon is break even, AMP runs 3 ton/hectare/year.

Distance to water? 500 m from corner of pasture to water. Walking gains nothing.

Getting Youth/New Farmers on the Farm, hosted by Young Agrarians Alberta

"...the intention with which I farm goes well beyond the fences that border my farm."

"Agrarian apprenticeship" handbook is a valuable resource for those looking to host apprentices.

Lots of farmers are looking for successors; poll suggested 74% of farm land may be sold in the next 10 years.

"New agrarian immersion experience", "Registered apprenticeship in Organic farming." Are two programs available.

Holistic Management part of the Conference.

Look at recovery of pasture first, not last in planning.

10,000 BC the world was approximately 8 billion hectares in forest, 5 billion hectares in rangeland. Today the world is close to 3.5 billion hectares in forest, 4 billion hectares in rangeland, 1.5 billion hectares in crop and 4 billion hectares in desert.

The ocean is holding 38000 Gt (Gigaton)of carbon, the air has 4000 Gt and the soil has 2800 Gt historically soil held 3390 Gt.

The sun puts 342 watts per m² onto our planet, 339 watts bounce back and out. The more we hold in the atmosphere or in soil (desert, bare soil) the hotter the planet gets. Residue reflects solar energy, keeps soil cooler. Think of soil litter like our skin and the protection to our bodies it provides. Day time temps aren't changing much it's the night time staying hot held in by haze, bare soil creates haze that holds that heat.

Increase energy retention with; closer row spacing, wider leafed plants, longer growing season (spring snow cover to fall snow cover).

Diversity is key, the Arctic/desert compared to rainforests, what produces the biomass/food?

Green House Gasses; 7:1 methane to carbon, but for every 1 kg of methane production 20 kg of carbon went into the soil under an AMP grazing system.

142 bushel/acre corn crop compared to 108 bushel/acre county average yield on holistically managed farm in North Dakota owned by Gabe Brown.

It's all management, livestock can be a tool for destruction or complete regeneration.

2% increase in SOM in 5 billion hectares over the world would get atmospheric carbon back to 300 ppm!

Extended grazing tips.

Be economically and environmentally regenerative.

Use/plant diverse species; plants that mature every couple weeks, diverse livestock to graze differently.

Diverse mixes in silage, cut a couple weeks earlier than normal, then graze regrowth in fall or swath graze.

Graze standing crop/stockpiled forage till full winter, then start swath grazing.

Electric fence weaning; anyway to eliminate changes/stressors other than weaning.

6' silage piles in the field and electric fence, move as needed to feed and keep from freezing, keep other feed/roughage available. One producer is moving away from silage but keeping some as a good "bank" of feed.

Another producer was bale grazing with silage pit, moving toward swath grazing felt it was cheaper.

All agreed despite its benefits, corn grazing had the highest cost, everyone was doing alternatives.

2-3 crop years then 5-6 years of forages in crop rotation.

Pays neighbours, 0.50\$ a day/pair on stubble if he has to do the fencing. 0.35\$ a day if there's no water available.

Many are trying to lower grass fed cost to make the long finish time compare to feed lot higher cost/shorter time, are getting close, and able to have slaughter weight at 29-30 months of age.

New Farmers/Succession Planning.

Always get 3rd party advice. Everyone must be at the table every time, including 3rd party whenever anyone feels they are needed.

Keep in mind, attachment leads to expectations and older generation has to let go.

Paradigm shifts are required, change is the only constant. Party taking over the farm will run into lots of changes to preconceived plans too.

Relationships are key (the farm is not worth more than the family), personalities must be acknowledged, accepted, 3rd party help before and during, and even after.

Holistic Management motto; Plan, monitor, control, plan again.

Taking HM course together, everyone involved in the farm. Look for course that is 1-2 days at a time spread out over weeks.

Like a cover crop; HM group needs a purpose and a plan, diversity is good monoculture is bad, you need unity, with a right sized group there will be someone who knows "a guy", everyone has a role, you need a leader/chair, worst thing we can do is ostracize people.

Creating the rural urban regenerative, agriculture conversation.

\$5 dollar coffee doesn't faze people, but \$3 dollar organic carrots are too expensive. Perceived value.

Consumers need to feel (more) part of the products they are buying and the benefits those products represent.

We must concentrate on building the emotions connected to the food. Give the experience and your emotion (your awe) connected to the experience of producing the food and how much you enjoy eating the food.

Emotion and speech; the tone (emotion) has to project the joy and comfort of the product.

Benefits of Holistic Management. Presented by Don Campbell

HM is a decision making process. Decisions to care for people, land and make money.

HM is a movement not an organization.

HM financial planning; always plan for the future, set out profit (pay yourself), sort expenses and spend wisely, monitor monthly at the minimum.

Set the goal of half of the expense of an operation (cattle, crop, etc.) as the income. Achieving this will be almost impossible, consider 25% income goal, bump it up 5% each time you get close to the goal.

Shift your paradigm; you must focus on the land first not the profit from the commodity.

Double your lands ability to produce, will increase net profit 4.3x, makes 50% income look achievable.

The common vision for the operation cannot be overstated. Everyone must buy in and contribute.

(Again)Get help with inter generation transfer.

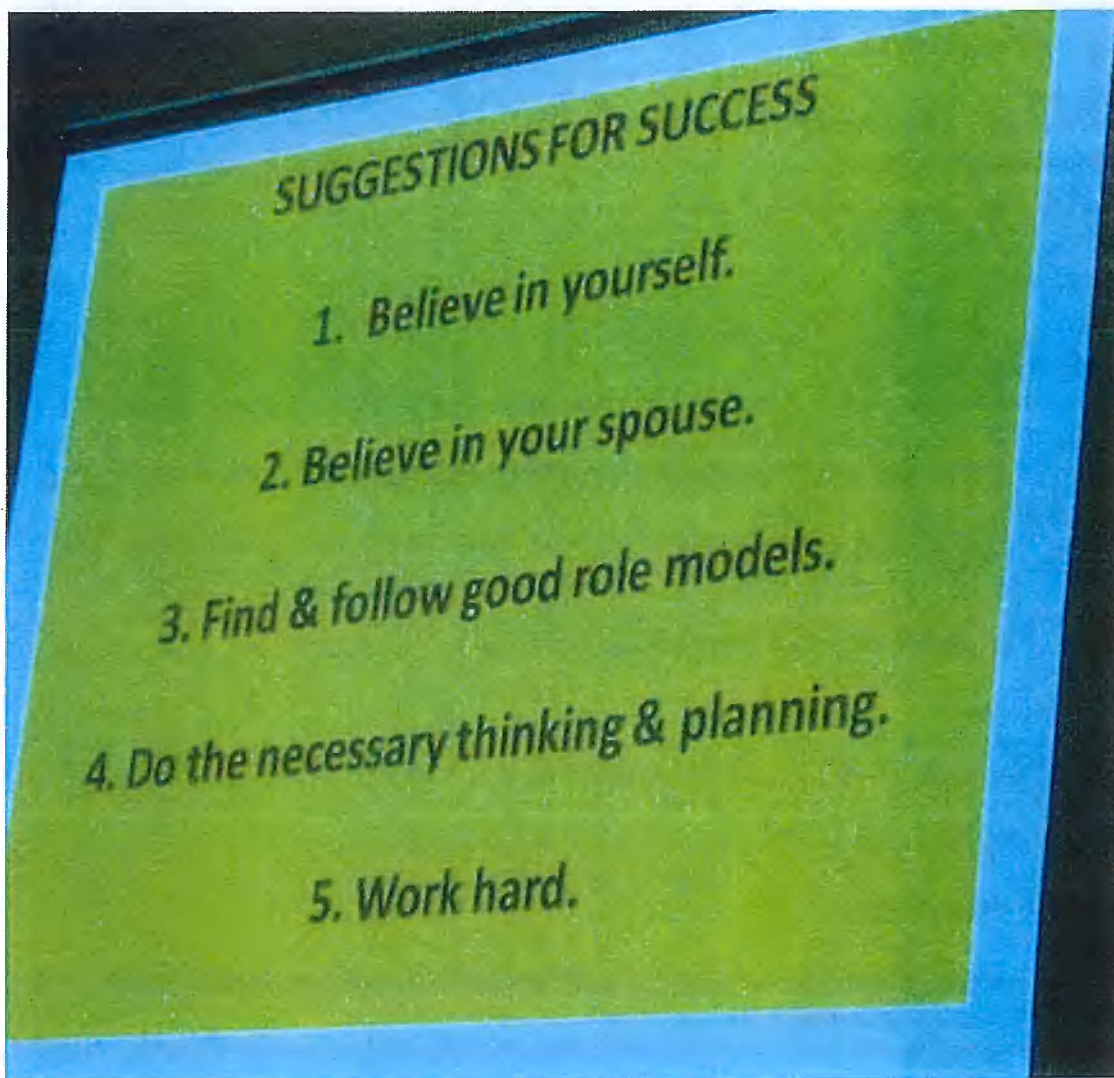
Communication; ask, understand, then reply. Consensus, not vote, those who hold out must present reasons, and the "farm family" must communicate and mitigate.

HM is and has to be a work in progress.

HM's four legged stool. Finance, production, marketing, people.

Don's favorite quotes; Circumstances reveal character not make it. Become a better person, make better decisions, be successful. Go home and strengthen family relationships. Find and follow good role models.

How you respond to the events of this year will dictate if this is the best year of your life.HM works, continue doing it, or start today.



Surface Rights Workshop

Worsley, Alberta
March 29, 2017
By: Brian Harcourt

Speakers..Michele Del Colle, Fiona Leblanc, Angela Boraditch...

Michele...1 800 222 6514.
Fiona...310 Farm.
Angela...310 Farm.
farmers advocate@gov.ab.ca
www.farmers advocate
Twitter...fao--alberta
Inquiries...1 855 297 8311

Michele..Energy, Utilities and Policy Specialist.
7th Floor Legislature Annex,
9718 107 St NW. Edmonton, AB T5K 1E4
Fax..780 427 3913
Direct..780 427 2350

michele.decolle@gov.ab.ca

Surface Rights Board--310 0000 (780 427 2444)
CAPP..(Canadian Association of Petroleum Producers) 1 403 267 1100.
Orphan Wells Ass...1 403 267 6416
www.orphanwells.ca or 1 855 297 8311

If you have "any" problems, call these people!!!

Solar Systems

Westmark Hall
March 15, 2017
By: Brian Harcourt

Speaker...Ron Harlan..

If you decide to look into a solar system,there are over 140 contractors in Alberta.
Go to--solaralberta.ca/directory/solar providers.
Solicit several quotes!!
A single phone call could answer most of your questions.
They will offer more information anyway.
You will be asked for info on your previous power bill,

make sure they don't "just" divide the KWh by the number of days of your bill, to come up with an electricity price, this is not the correct way.

One feature of a contractors presentation should be to offer to come to your residence to check out the site in order to offer a price.

Ask for the number of systems they have installed.

Ask for references.

Do they have a PV, (Photovoltaic) " installation certificate" for their company.

Length of time in the business.

Warranty.

Proof of insurance.

Proof of Workers Compensation.

Require a "complete" contract.

A solar system will add value to your home whenever you decide to sell...

Clear Hills County

Request For Decision (RFD)

Meeting:	Agricultural Service Board Meeting
Meeting Date:	June 12, 2017
Originated By:	Greg Coon, Agricultural Fieldman
Title:	INFORMATION & CORRESPONDENCE
File No:	63-10-02

DESCRIPTION:

The board is presented with correspondence for review.

BACKGROUND:

Attached are documents for the Board's information:

ATTACHMENTS:

- Peace Country Beef & Forage Association – Newsletter – (63-10-02)
- Farm and Ranch Workplace Legislation – Letter – (63-10-02)
- Alberta's Agricultural Service Boards – Article – (63-10-02)
- Alberta Agriculture and Forestry – Response Letter – (63-10-02)
- Alberta Agriculture and Forestry – Response Letter – (63-10-02)

RECOMMENDED ACTION:

RESOLUTION by _____ that this Agricultural Service Board receives the information & correspondence of June 12, 2017 as presented.

Initials show support - Reviewed by: Manager: *AG* AgFieldman:

Forage Facts

Published by the Peace Country Beef & Forage Association

March 2017. Volume 12, Issue 146



Calving Season Reminders

By: Jen Allen

Follow Us!



Stay up-to-date with all PCBFA's activities!

WE'RE HIRING!

PCBFA is currently looking to hire a **Summer Research Technician** for the 2017 season. Visit our **Careers** page on our website or contact us for more details!



Calving season is upon us, or for some has already began! It is important for us to remember to always plan ahead and be prepared in order to have a successful calving season. It just takes one quick emergency or a few calves to drop 3-weeks earlier than expected for someone to say "I told you so!" while you're scrambling to finish last minute tasks, or discover that some of your equipment from last season is faulty and needs to be repaired or replaced.

Therefore, it wouldn't hurt to do a quick inventory of your calving essentials and stock up on what is missing. Here is a list

of items that should be ready and accessible if needed to assist in calving, derived from an article by Heather Smith Thomas that was published in the January 2017 issue of *Hereford World*:

Calving Checklist – Things to Have on Hand

- ✓ Halter and rope
- ✓ Disposable long-sleeve obstetrical (OB) gloves
- ✓ OB lubricant in a squeeze bottle
- ✓ Plastic bucket for wash water and/or plastic squeeze bottles for wash water
- ✓ Rags or roll cotton for washing the cow
- ✓ Clean OB chains/straps and handles
- ✓ Calf-puller
- ✓ Oxytocin and epinephrine
- ✓ Suction bulb for suctioning fluid from the nostrils of a calf that's not breathing
- ✓ Iodine or chlorhexadine for disinfecting navel stumps
- ✓ Flashlight (with batteries that work!)
- ✓ Injectable antibiotics for cows/calves, prescribed by your vet
- ✓ Sterile syringes and needles
- ✓ Bottle and lamb nipple for feeding a calf
- ✓ Stomach tube (nasogastric tube) or esophageal feeder
- ✓ Frozen colostrum or packages of commercial colostrum replacer
- ✓ Electrolytes
- ✓ Toolbox to hold/carry needed items in one handy place

Continued on page 2...

Reminder! 2016 PCBFA Memberships expire on March 31st!

If you haven't done so already, be sure to renew your Membership for 2017 for only \$30! Being a PCBFA member allows you to receive relevant and local information first, details on our projects and upcoming events, 2 free feed samples tested, and much more!

It is also important to do a walk-through of your calving facility or area. If your facility is indoors, be sure to have sufficient and reliable lighting, as you don't want to have to rely on a poorly lit lantern or flashlight when a calving cow is giving you grief in the middle of the night! In addition, calving areas should be clean and dry with fresh bedding and shelter nearby – "start clean, stay clean." Remember that temperature and moisture play a big role for newborns. Pathogens have the tendency to increase in mud and snow, and cold stress can negatively affect a calf's immune system. Then, as always, be mindful of biosecurity! Dr. Ron Clarke from Canadian Cattlemen's *Beef Magazine* article says to "leave treating sick calves until after you have handled healthy ones – never before." Make it a good habit to use disposable gloves and wash and disinfect clothes, boots, equipment etc. after dealing with sick calves and/or cows.

And we can't forget about colostrum! For those of you who don't know, colostrum is

the milk from the calf's mother consisting of essential antibodies and nutrients to help develop the calf's immune system. Colostrum management is a crucial part of calving – a newborn calf should obtain 5-6% of their body weight (1.5-2 litres) of colostrum within 6 hours of being born, and another 5-6% of their body weight after 12 hours of being born. Newborn calves rely heavily on colostrum until about 1-2 months of age, when their own immune systems begins to fully develop. Like the check list says, be sure to have a nipple and bottle or feeding tube ready in case you have to feed the calf colostrum. However, remember to not use the same bottle or tube on a healthy calf that was used on a sick calf. If you are going to purchase a colostrum product, ensure that is a replacer, not a supplement—discuss this with your veterinarian.

(Alberta Ag & Forestry, 2008; Canadian Cattlemen: The Beef Magazine, 2016; American Hereford Association: Hereford World, 2017)

Wishing everyone a safe and happy calving season!

Introducing Mr. Carter Benoit— PCBFA's Cutest Model!

Monika Benoit, former PCBFA Manager who is currently on maternity leave, and her husband Mike welcomed a beautiful baby boy Carter Ross Benoit into the world on December 1st, 2016. He is "a big healthy farm boy born at 8 lbs 14 ounces and 20.25" long." Congratulations Monika and Mike! Many of you may have met Carter at our AGM in February, and we can't wait to see Carter sporting his PCBFA shirt at more events in the future!



Thank-You to the PCBFA Board of Directors

Jordan Barnfield
Thomas Claydon
Conrad Dolen
Nancy VanHerk
Preston Basnett
Faron Steffen
John Prinse
Stan Logan
Gary Gurtler
Joyleen Beamish

Have Project or Workshop Ideas?

We are always
looking for ideas!
Give us a call!

PCBFA Member Perks

- Two Free Feed Tests/Year
- Ration Balancing Assistance
- Growing Forward 2 Assistance
- Environmental Farm Plans
- Scale & Tag Reader available for member use
- Soil & Livestock Water Quality Testing

Thank-You to our Municipal Partners

MD of Fairview
MD of Peace
Clear Hills County
Saddle Hills County
MD of Spirit River
Birch Hills County
MD of Greenview
Big Lakes County
County of Grande Prairie

What We Learned from Soil Health & Carbon Day



By: Jen Allen

Last month on February 21st, we had 3 amazing guest speakers join us for our Soil Health & Carbon Day event in Spirit River! We were privileged to host Dr. Richard Teague of Texas A&M AgriLife Research, Dr. Yamily Zavala of Chinook Applied Research Association (CARA), and Paul Jungnitsch of Alberta Agriculture & Forestry. All and all it was a successful and interactive day, with over 30 producers who were able to soak up all of the soil health and carbon information they could from these 3 experts! Although I could write many pages on what was learned at Soil Health & Carbon Day, I will just do a quick summary of some key take-home messages:

Key Points Learned from Dr. Richard Teague:

- ◆ How we manage plants is critical – 90% of soil function is mediated by microbes, and microbes depend on plants
- ◆ One of the biggest limiting factors in rangeland is water in the soil
- ◆ High ecosystem biodiversity with more complex mixtures and combinations of desirable plant species leads to increased stability and productivity
- ◆ Overgrazing has little to do with number of animals, but with the amount of time plants are exposed to animals
- ◆ Adaptive Multi-Paddock (AMP) practices have been proven to result in higher conservation levels, improved plant biodiversity and wellbeing, enhanced soil health and carbon sequestration, and increased livestock production
- ◆ How to manage AMP for desired outcomes:
 - Flexible stocking to match forage availability and animal numbers
 - Rotate paddocks to spread grazing over whole ranch, one paddock at a time
 - Defoliate moderately in growing season
 - Use short grazing periods
 - Adequate recovery before re-grazing
 - Adaptively change with changing conditions
- ◆ Keys to a healthy soil:
 - Cover the soil (multi-species cover crops)
 - High plant diversity
 - Minimize soil mechanical disturbance
 - Grow plants for maximum days each year
 - Manage livestock to enhance soil function
 - Use organic soil amendments
 - Reduce N-fertilizer use
 - Incorporate livestock with regenerative grazing



We had a very engaged audience, leading to great discussion periods with each guest speaker

Key Points Learned from Dr. Yamily Zavala:

- ◆ A healthy soil should have good tilth and soil organic matter content, sufficient rooting depth, good conditions for water storage and drainage, enough (balanced) nutrients and few toxic chemicals, diversity of beneficial micro-organisms – low soil born diseases and parasitic organisms, resistance to being degraded and eroded, and resilience – quick recovery from adverse events.
- ◆ Soil health emphasizes the integration of biological, chemical, and physical measures
- ◆ Nutrients are stored in soil organisms, C is a source of energy, N is the production of protein
- ◆ C:N ratio of organic residues influences nutrients availability and rate of decomposition
- ◆ Increasing soil organic matter and aggregation builds a healthy soil for carbon sequestration
- ◆ Proper rest following grazing is key! With recommended rest periods, roots will redevelop to approximately the same depth as uncut plants
- ◆ Biological activity, organic matter turnover, improved nutrient cycling, improved soil structure and aggregation stability, improved water availability builds a healthy soil for efficient yield and profit



Yamily demonstrating a visual soil aggregate stability test



Upcoming Events

Peace Country Classic	March 9th-11th	Evergreen Park, Grande Prairie
Solar Power Workshop	March 15th 9:30am registration	Westmark Hall 13km west of Woking
Smokey River Ag Trade Show	March 16th-18th	Falher Regional Rec Complex
Shelterbelts, Eco-buffers & Beneficial Insects Workshop	March 20th 10:30am registration	Bezanson Legion
Shelterbelts, Eco-buffers & Beneficial	March 21st 4:30pm registration	High Prairie Ag. Society
Surface Rights Workshop	March 29th Time TBA	Worsley
Clear Hills County Ag Trade Show	April 8th	Hines Creek
New Zealand Ag Study Tour	Nov 12th-Dec 1st 2017	Contact us for more details

For more information or to register for any of these great events, please call the Fairview office at 780-835-6799 or email Jen at jen@pcbfa.ca

Contact Us

Liisa Vihvelin Manager Fairview, AB 780-835-6799 780-523-0443 liisa@pcbfa.ca	Akim Omokanye Research Coordinator Fairview, AB 780-835-6799 780-835-1112 akim@pcbfa.ca	Jen Allen Agri-Environmental Coordinator Fairview, AB 780-835-6799 780-772-0277 jen@pcbfa.ca	Lekshmi Sreekumar Research Technician Fairview, AB 780-835-6799 780-536-7373 lekshmi@pcbfa.ca
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Thank You to our Corporate Sponsors



PCBFA receives funding from the Government of Alberta



Proud Member of



Leduc County ASB tasked Administration in March to read the currently available Recommendation Reports regarding the Farm and Ranch Workplace Legislation and submit comments to Alberta Labour. At our ASB meeting this morning, our Board asked that we distribute our submitted comments to all the ASBs and the AAMDC. I have attached our comments if anyone would like to read them.

Thank you!

Aaron Van Beers, B.Sc, CCA, CMIP
Agriculture Foreman, Leduc County
W. 780-955-4540 C. 780-777-3357

March 27, 2017

Our File: 0110

Farm and Ranch TWG Recommendations Feedback
c/o Workplace Policy and Legislation
Alberta Labour
7th Floor, 10808 - 99 Avenue
Edmonton, AB T5K 05G

The Leduc County Agricultural Service Board, which consists of all seven Councillors and two public members, is responsive to the interests and concerns of over 1250 farms and ranches located within our municipal boundaries and is committed to promoting the sustainability of the agriculture industry in Leduc County. Farm safety is a significant aspect of this. With that in mind, and on behalf of the Agricultural Service Board, I would like to submit the following comments with respect to the Technical Working Group Recommendations Reports: *Employment Standards Code* and *Labour Relations* for your consideration.

Employment Standards Code

- We agree that the *Entitlement to Wages* Standard should continue to apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report
- We agree that the *Employment Records* Standard should continue to apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report
- We agree that the *Job-Protected Leaves* standard should continue to apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report
- We agree that the *Administration and Enforcement* standard should continue to apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report
- We agree with the recommendation that although non-family, waged employees should be exempt from provisions around *Hours of Work and Breaks*. Further, that with regards to *Days of Rest* non-family, waged employees should be given a minimum of 4 days off every 28' decided by the employer within reason and respecting employee requests. We agree that family members of the employer should be exempt from these standards.
- We agree non-family and family members be exempt from *Overtime* provisions for the reasons stated in the report
- We agree that the *General Holidays and General Holiday Pay* standards apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report

... /2

- We agree that the *Vacation and Vacation Pay* standards apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report
- We agree with the report that further rules are required to protect youth employed on a farm and that any work must have no negative impact on schooling, the youth's health, education, or welfare. Parental consent must be obtained by employers. We feel that this should apply to all youth employed on the farm, whether non-family or family members.
- We agree that nurseries, sod farms, mushroom farms, and greenhouses should be considered 'primary production' and thereby have all the same standards and exemptions as the rest of agriculture
- We agree that the *Termination Notice and Pay* standards apply to non-family, waged farm employees, and that family members of the employer should be exempt for the reasons stated in the report
- Regardless of whatever recommendations the Province accepts, it is imperative that the Government of Alberta provide educational seminars and materials to all affected individuals and groups across the province and at multiple locations

Labour Relations Code

- We agree that criteria should be added to the Public Emergency Tribunal (PET) to allow for a PET when there is imminent and irreversible damage to crops and/or livestock welfare
- We agree that the Ontario Agriculture Employees Protection Act is a model that could be followed. It provides the right for agriculture employees to assemble and have representations with their employers.
- We agree with the stance that strike action during critical times will adversely affect the health and welfare of livestock, crops and other agricultural products. The ability to strike at such times would put a huge risk on Alberta's and Canada's mandate to provide food security, animal welfare, and food safety. Public sector employees, firefighters, police, and public servants are protected by special legislation and cannot strike. They are deemed essential services. Perhaps similar legislation could be put in place to protect agriculture workers but not allow them to strike/lockout. This could protect against imminent and irreversible damage to crops and/or livestock
- We agree that family members of the employer should be excluded from bargaining units
- Although we do not believe that unionization should be permitted in the agricultural industry, there is no reason to deviate from the current Alberta *Labour Relations Code* with respect to the minimum requirement for the number of employees required to unionize
- We agree that representation of the agriculture industry should be reflected in the composition of the Labour Relation Board and further that the Alberta Labour Relations Board meet with the agriculture industry to become educated about all aspects of agriculture in Alberta

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Page 3 of 3

March 27, 2017

RE: Technical Working Group Recommendations – Leduc County ASB Comments

- We agree that the Government of Alberta should provide educational seminars and education materials directed to affected individuals and groups across the province and at multiple locations
- We agree that first contract legislation allowing for an independent arbitrator would be an asset in the event that the parties reached an impasse during the first collective agreement.

I would like to thank you for the opportunity to provide our thoughts on the Technical Working Group Recommendation Reports and look forward to responding to future reports from the remaining four groups.

Yours truly,

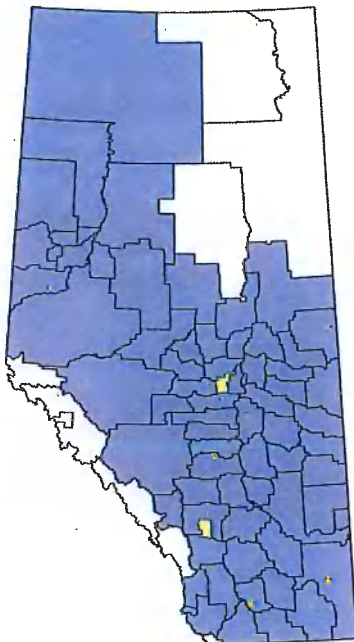


Aaron Van Beers
Foreman, Agricultural Services
Leduc County

Alberta's Agricultural Service Boards

Agricultural Service Board Grant Program

The Agricultural Service Board Grant Program promotes long-term sustainability of agriculture industry and rural communities and the development and delivery of environmental extension programming. ASBs are responsible for implementing and enforcing legislative requirements under the Agricultural Service Board Act, the Weed Control Act (WCA), the Agricultural Pests Act (APA), the Soil Conservation Act (SCA) and assist with the control of animal disease under the Animal Health Act (AHA).



2015-16 Annual Impacts

- **11.4 million** in annual grants awarded to **70** Agricultural Service Boards to support legislative requirements.
- **\$1.8 million** in annual grants to **64** Agriculture Service Boards for environmental programming.
- ASBs work to protect **50.5 million acres** of farmland, **62,000 farm operators** and **43,000 farms** from agricultural pests, weeds and soil erosion by enforcing the APA, WCA, and the SCA.
- **746 full- and part-time employees supported**
- 20% of ASBs who receive an ASB grant receive a field visit by AF staff each year.

Partnerships in Action

Together we can support our agriculture sector and meet the needs of our rural communities as they continue to evolve.

Weed Control

- **12,000** prohibited and noxious weed infestations managed;
- Over **150,000 kilometers** of municipal roadways weeds controlled by spray programs; and
- **100%** of the **67 Seed Cleaning Plants** Operating in Alberta are inspected.

Alberta's Agricultural Service Boards

Pest Management

- 8,000 fields inspected for clubroot;
- 1,200 fields inspected for virulent blackleg;
- 840 fields inspected for *Fusarium*; and
- 2,900 pest insect surveys including Grasshopper, Bertha Armyworm and Diamond Back Moth.



Environmental Protection and Soil Conservation

- 250 extension events delivered;
- 107 Environmental Farm Plans; and
- 309 GF2 Projects completed in these areas with support from our ASB partners.
- Approximately 170 fields inspected annually for soil erosion issues;

Key Contacts Program

The key contact can:

- attend ASB meetings;
- present general updates or topic specific updates at meetings;
- provide information on government programs and grants; and
- take questions and concerns back to AF.

Key contacts work with ASBs and fieldmen to strengthen our existing partnerships and look for new ways to collaborate and share information.

ASB Program Contacts:

Doug Macaulay, Manager
Agriculture Development Unit
6547 Sparrow Drive
Leduc, AB
780-980-4878

Pam Retzloff, ASB Program
Agriculture Development Unit
Edmonton Alberta
780-427-4213





ALBERTA
AGRICULTURE AND FORESTRY

Office of the Minister
MLA, Whitecourt-St. Anne

RECEIVED

MAR 14 2017

CLEAR HILLS COUNTY

MAR 08 2017

Mr. Charlie Johnson
Reeve
Clear Hills County
Box 240
Worsley, AB T0H 3W0

Dear Mr. Johnson:

Thank you for your January 10, 2017, letter requesting the appointment of provincial inspectors to enforce compliance with the *Weed Control Act* (the Act) in urban municipalities outside Clear Hills County.

As you are aware, local authorities are required to appoint sufficient weed inspectors under the Act. Provincial inspectors may be appointed if it is determined that local authority inspectors are not properly enforcing and monitoring compliance with the Act. Both urban and rural municipalities are subject to the Act, and need to appoint sufficient weed inspectors to help prevent the introduction and spread of weeds. If you are aware of any municipalities without weed inspectors, or who are not properly enforcing the Act, I encourage you to contact Gayah Sieusahai, Pest Regulatory Officer with Agriculture and Forestry, at 780-427-9945 (toll-free by first dialing 310-0000) or gayah.sieusahai@gov.ab.ca. A letter will be issued to all municipalities, both rural and urban outlining responsibilities under the Act.

Agriculture and Forestry recognizes weeds are an important issue to Alberta's economy and environment, and we are committed to the control of weeds listed on the Regulation

Sincerely,

Oneil Carlier
Minister

cc: Honourable Rachel Notley, Premier of Alberta
Honourable Joe Ceci, Minister of Finance and President of the Treasury Board
Honourable Margaret McCuaig-Boyd, MLA, Dunvegan-Central Peace-Notley
Gayah Sieusahai, Pest Regulatory Officer, Agriculture and Forestry

May 24, 2017

RECEIVED

MAY 26 2017

CLEAR HILLS COUNTY

Mr. Jason Ruecker
Reeve
Clear Hills County
Box 240
Worsley, AB T0H 3W0

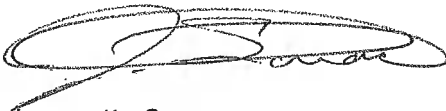
Dear Mr. Ruecker:

Thank you for your April 10, 2017 letter request for bylaw designation (Bylaw No. 218-17). Your correspondence includes a request to designate genetically modified (GM) Alfalfa as a prohibited noxious weed.

The regulation of GM crops is coordinated between the Canadian Food Inspection Agency (CFIA) and Health Canada, Alberta operates under the federal legislation and regulations.

The above bylaw is under review, if you require additional information regarding this matter, please contact Jeannette Sarac, Acting Director, Policy and Regulatory Affairs Section (PRAS), at 780-644-3340 (toll-free by first dialling 310-0000) or Gayah Sieusahai, Pest Regulatory Officer, PRAS at 780-427-9945.

Yours truly,



Jeannette Sarac
Acting Director

JS/as