



Grey  
Wooded  
Forage  
Association

# The Blade

*"Creating an Awareness of Forages"*

**JULY 2014**

Box 1448, 5039 - 45 Street, Rocky Mountain House, Alberta T4T 1B1,  
Phone: 403 844 2645, Fax: 403 844 2642, Email: [GWFA1@telus.net](mailto:GWFA1@telus.net),  
[GWFA2@telus.net](mailto:GWFA2@telus.net), or [GWFA3@telus.net](mailto:GWFA3@telus.net)

Website: [www.greywoodedforageassociation.com](http://www.greywoodedforageassociation.com)



*"Going Beyond Sustainability"*

**SAVE THE DATE!**

**Dec 9, 10 & 11, 2014**

**Radisson**

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**'Like' Grey Wooded Forage Association on Facebook and enjoy viewing our latest photos and hear about upcoming events!**

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## VISION STATEMENT

GWFA – The centre of choice for gathering and dispersing of forage and livestock information, providing a strong link with producers and the research community.

## MISSION STATEMENT

To enhance awareness of the organization as an information exchange centre, illustrating forage and

livestock production practices that are environmentally and economically sustainable for the agricultural community.



# *Pasture Walk with the renowned Jim Gerrish*

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on July 9th, 2014



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*"Creating an Awareness of Forages"*





# *27th Annual* **West Country Ag Tour**



**Thursday, August 21, 2014**

**Leslieville Hall**

**7:30 am till 4:30 pm**

Sign up today. You don't want to miss this one. A fun filled day meeting new people and exploring what the Clearwater County Agriculture community has to offer.

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will be provided!**

**Registration Fee:** \$25 per person before August 15th  
\$35 per person after August 15th

*Includes breakfast, lunch, snacks, bus charge and an information package!*

**To register, please contact:** Clearwater County Agricultural Services  
and Landcare  
(403) 845-4444

**Registration Deadline is August 19th!**

**The tour will also feature a tradeshow**

Hosted by:



## Manager's Notes:

*By Albert Kuipers*

Are you in danger of not receiving the next issue of The Blade? If your membership fee is paid for the 2014/2015 membership year, you have nothing to worry about. If not, or if you don't know, please contact the GWFA office to make sure you stay on the mailing list. Our membership year runs from April 1st to March 31st of the following year. If your membership has lapsed and you're still getting The Blade, it's because we give our members several months of grace period before we remove them from the mailing list.

Did you know there are more benefits to members than receiving The Blade each month? Members often receive discounts on GWFA courses, seminars and tours as well. Potentially one of the largest benefits of GWFA membership are our consulting services. You can phone, or email me with your questions and I'll do my best to answer them, or find someone who can answer them. If you're within a one hour drive from Red Deer, you can also have me come over for a farm call. Grazing management is my specialty, but I can help you with many forage production related questions including pasture rejuvenation, hay-land rejuvenation, annual forage production and more. All this is available to you for only \$20 a year.

Just recently Ginette, our summer staff, and I were discussing GWFA's purpose and position in relation to what we



choose to research, support, and recommend to our members. Some seem to think we're only into "alternative" production methods. Others look to us for information that's more "main stream".

There are lots of alternative products and systems out there, some of them have gained a large following and some have not. We get approached by people who've latched onto such a product or system and quite often what they're selling can appear to be quite scientific and logical. As an association, we've talked about, wrote about and even started projects to see if some of these things actually work. This might lead some to think we're just grabbing onto whatever is the hot topic, or flavour of the month.

Reality is that we get questions about all kinds of products and systems, so I think it's our job to take a look at, and question their accuracy and validity. We are often given lots of anecdotal testimonials about how well something works, but when we look for credible, scientific research on the subjects, we come up empty handed. By "scientific" research I mean properly conducted experiments comparing the use of a system, or product with other comparable systems, or products and a "control".

While we endeavor to be as un-biased as possible on pretty much any "alternative" or "main stream" forage and livestock related topic, we find that we must draw the line somewhere. I think it's quite reasonable to expect that a new concept or product is backed up by credible scientific research results.

So, if you come across systems, ideas or products that you're not sure about, please feel free to contact me about them. If you have questions about the credibility of something, we would be happy to look into it. If there is considerable interest in something and there's not much information available, we'll look into the possibility of getting credible, comparative research done on the subject for you and the forage livestock industry in Alberta and Western Canada.



## You can advertise in The Blade!

You likely have seen the advertising in our spring and fall newsletters, but did you know you can advertise in The Blade? Well, yes you can.

For some time now we have accepted a limited number of paid ads submitted by GWFA members. (Membership is only \$20/year.) If you have a bull or production sale coming up, or if you have hay for sale, pasture for rent and you'd like to reach our audience, give us a call. Also, if you sell products, equipment or services that would be of interest to our readers we can help you reach our audience. Of course, we do want to make sure that ads we put in The Blade are for products and services that would be of considerable benefit to our members, so ads will be accepted for The Blade at our discretion.

So, give us a call at **403-844-2645** or email Muriel at **gwfa1@telus.net** or Albert at **gwfa2@telus.net** to learn more about our advertising policy for the Blade and to find out what it would cost to have your ad in the next issue.



### LJB Ranch

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## The Ponoka County Agricultural Service Board

strives to assist producers through partnering with various NGO's including the Grey Wooded Forage Association. Assistance is provided in the following ways:

**No Charge Rentals** (Damage Deposit required) such as: Weed sprayers (truck mount, quad style and backpack), solar powered livestock watering systems, RFID Tag reader, portable cattle scale, Skunk and Coyote live traps, Grasshopper bran bait spreaders, and a bare root stock tree planter. Beaver dam blasting (depending on a variety of factors) may be available as well. Also, environmental conservation programming focusing on Water Quality is done through the Medicine River Watershed Society, Cows and Fish, the Battle River Watershed Alliance and the Grey Wooded Forage Association.

Contact **Shayne Steffen**  
or **Justin Babcock** for  
more information at  
**403-783-3333.**

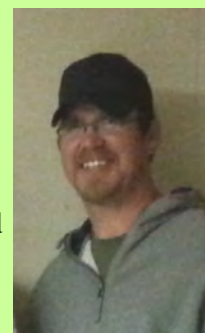


*This publication is made possible by funding from Alberta Agriculture & Rural Development & Alberta Environment and Water via the Agriculture Opportunities Fund (AOF).*



## Director's Corner

By *Brendan Anderson*



My wife and I decided to return to farming in 2012, taking over my parent's farm near Rimbey. We are the third generation on this farm and our 2 year old twins may be the fourth.

I worked away from the Ag industry for several years and am a journeyman electrician and a millwright as well, but I'm a firm believer in the importance of the family farm and want to pass the values and ethics that go along with it to our children.

We have a mixed operation with some grain, hay and silage. We will have close to 100 cows this fall and also have a modest flock of sheep. On our farm our target is to achieve a balance in our business between being profitable as well as responsible, along with some personal goals.

As a past director my father recommended the insights of GWFA, even getting us our first subscription to 'The Blade' – we have attended several trade shows and conferences in the past 2 years, and are starting to put some of our new found knowledge to work in our operation.

I look forward to being involved as a director and continuing to research, test and evaluate new ideas that can help us all achieve the goals of our operations.

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## WHAT'S HAPPENING AT CLEARWATER COUNTY AGRICULTURAL SERVICES AND LANDCARE?

Clearwater County Agricultural Services and Landcare programs are running at full capacity. With a mandate to protect agricultural resources and the environment the weed program is just wrapping up with the control of tall buttercup and wild caraway and shifting its focus to eradicable weed species, followed by grasshopper and clubroot surveys.

The newest of three community programs, the Everdell Community Weed Control Program is off to a great start with over three hundred landowners having come on board to spray weeds on their boundaries to restrict weed spread to adjoining neighbours.

Herbicide sales and spray equipment rentals are likely to set new records while the custom spray program has been taking advantage of exceptionally good weather to wean down the long list of people using its valued service.

Applicators in the Vegetation management department have been up early every day with roadside spraying and will be shifting their focus to controlling brush re-growth shortly. As the tractors from custom spraying become available they will also begin grass mowing along roads throughout the county.

The Landcare department has had a busy time responding to landscape and garden issues, particularly with respect to tree, lawn and garden pests. They also distributed 3000 tree seedlings in the first year of a pilot program designed to replace the Federal shelter-belt program.

In addition to hosting a number of presentations on a variety of topics such as mushrooms, pollinators, beavers and bats, Landcare has also completed the first year of a riparian planting program where 1100 hardwood cuttings were planted on Lobstick Creek. They also continue to assist landowners with environmental planning, water management and riparian health.

Along with pest control, a variety of equipment rentals, on farm demonstration and research and extensive resource information, agricultural services also provides free livestock traceability registration, ration balancing and feed testing services.

In the weeks ahead the Rural Beautification Awards will be decided and the annual West Country Ag Tour will showcase local innovative agricultural practices. For more information on the many programs and services not already mentioned please visit:



[www.clearwatercounty.ca](http://www.clearwatercounty.ca)

or give us a call at

**403-845-4444.**



## Successful Brush Control by Combining Herbicide with Grazing Management



**Arnold Lachman**

Recently Ginette and I went to visit GWFA Member Arnold Lachman at his ranch northeast of Olds. While we were there to share ideas on how to tweak his grazing management, Arnold told us how he got successful buck-brush control.

Arnold's herbicide of choice for brush is Reclaim from Dow AgroSciences. This is a product that provides extended control of buckbrush, wild rose, shrubby cinquefoil, wolf willow, and control of broadleaf weeds and invasive plants in rangeland and permanent pasture.

Applied appropriately before mid July, he found that Reclaim gives him about three years of control. This allowed him to do about a third of the brush infested areas of the pasture each year.

Arnold combines the herbicide treatments with reasonably high stock density grazing for short periods of time separated by relatively long recovery periods. By doing this he allows the forages to become more competitive while reducing the competitiveness of the brush.

The photo above shows a fence-line contrast between Arnold's pasture and the neighbour's pasture, obviously quite a difference. The neighbour is doing no control and grazes the pasture continuously.

Arnold is now planning to add a few simple, one wire electric fences strategically located to separate an area of native pasture from areas with tame forage species. This has the potential of increasing stock density and extending rest, or recovery periods, a practice that should improve brush control. This will also reduce his dependency on herbicides to control brush on his pastures.

Arnold is quite happy with his results from using the two management tools combined.



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**310-farm**

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# A Couple of Good Questions About Clovers...



Kristen:

**“Any idea about the relative feed value of sweet clover hay in compared to alfalfa/grass? Any concerns in regards to using clover to winter pregnant cows?”**

Albert: “Hi Kristen,

I don’t have any idea of that comparison between sweet clover hay and alfalfa/grass hay. My experience has been that there are so many quality factors that can influence the relative feed values of any forage that I wouldn’t make that call without a feed analysis of each. For example – sweet clover put up young and without rain could be much better than rained on, mature alfalfa/grass hay, or sweet clover put up very mature would likely have the relative feed value of a sisal rope. I’ve seen alfalfa/orchardgrass that wasn’t much better. Barry, would you have anything to add?

Regarding concerns with wintering pregnant cows on clover, I would say that much of the hay put up in the west country would have a significant percentage of clovers and I haven’t heard any such concerns. I have heard of horses having some problems with coumarin levels in clovers. What I’ve heard is that coumarin has a blood thinning effect, but I’ve never heard of such issues with cattle. Barry, do you have any suggestions?”

Barry: “Good morning Kristen,

Albert is correct – stage of development, soil fertility, temperatures, amount of sunlight and the amount of rain during the growing season and on the swath all influence quality. Clovers can be as high in protein and TDN as alfalfa but the common problem is that most people cut clovers much too late.

The problem with blood thinning can happen in any warm blooded animal. Reduce or remove the clover from the ration 4 weeks prior to the start of calving or 2 – 3 weeks prior to dehorning or castrating calves. This is due to vitamin K either being destroyed it is not produced in adequate amounts to help with the clotting process.

Be careful with moldy sweet clover – the naturally occurring coumarin is converted to dicumarol. Dicumarol has been identified as the toxin that has killed cattle in the past. You can test moldy sweet clover for dicumarol content.

Feeding 100% red clover silage to pregnant cows can cause a problem that is very serious. It is called “Crooked Calf Syndrome”. There is something in red clover silage that impacts bone growth plates at a certain period of development. The front legs are shorter than normal, joints are large and the forehead protrudes. If the calf is born alive; it usually dies within a few days.

Sheep are very sensitive to the oestrogenic effects of legumes. This could cause temporary sterility or reduced reproductive efficiencies if they are on high legume pastures prior to and during the breeding season. This is not a problem for cows.”

**Barry Yaremci**, M.Sc., P. Ag. Is a Beef & Forage Specialist with the Alberta Ag-Info Centre. He can be reached by calling

**310-FARM (3276).**



## Funding Available for Riparian Management

The Agricultural Service Board has funding available for riparian area management improvement projects within the County. Mandatory improvements as a condition of subdivision may also apply for funding.

### Eligible projects include:

- Riparian Fencing
- Off-site watering systems
- Creek crossing
- Native seed or trees

**\*Only the cost of materials is eligible for funding.**

**NEW application deadline is August 15, 2014**

For more information or to get an application contact:

Lorelee Grattidge, Sustainable Agricultural Specialist  
403-335-3311 ext 163 email: [lgrattidge@mvcounty.com](mailto:lgrattidge@mvcounty.com)  
[mountainviewcounty.com/riparian](http://mountainviewcounty.com/riparian)

*Mountain View County partners with the Alberta conservation Association to provide this program.*





# Alberta Farmers Hope for Quieter Hail Season Following Record Hail Damage the Last Two Years

*For Immediate Release:*

## **AFSC Increases Hail Coverage to Better Protect Crops**

With crops now seeded and starting to grow, farmers across the province are hoping for a quieter hail season this summer following record levels of hail damage over the past two years. “Last year marked the third highest amount of hail damage to crops across Alberta in our 77 years as a provincial hail insurer,” says Jackie Sanden, program coordinator with Agriculture Financial Services Corporation (AFSC). “Our branches reported 522 storm cells last year that pelted crops with hail from Fort Vermilion to the US border. The damage was widespread. Southern Alberta and ‘Hail Alley’ – which stretches westward along Highway 2 from Rocky Mountain House to Calgary, and eastward through Wheatland County – were particularly hard hit.”

More than \$257 million was paid out on more than 6,400 hail claims across Alberta last year through AFSC’s Straight Hail Insurance program and the Hail Endorsement rider that most farmers add to their crop insurance. The highest claim year was in 2012 when \$445.6 million was paid on more than 8,400 claims. “Alberta’s top three years for record hail damage have all occurred in the last six years,” says Sanden, noting 2008 marked the second highest year with \$263 million in claims paid out.

### **Ingredients for Hail**

Environment Canada meteorologist Dan Kulak says wet spring weather and unusually high humidity over the last few years have likely contributed to the amount of hail in Alberta lately. “Humidity and ground moisture fuel thunderstorms that produce hail,” says Kulak, noting other ingredients include heat and a trigger to set everything in motion. “That trigger can be simple daytime heating, causing warm air to rise and mix with cooler air above. Another trigger is the jet stream – that river of air that storms tend to follow – which flows over the mountains and right through the middle of Alberta every summer,” he explains. The mountains play a huge role in thunderstorm formation. They’re the reason Alberta tends to get more hail than anywhere else in Canada, says Kulak. “You can be sure Alberta will get hail this year. The question is how much,” he says, noting every part of the province is susceptible to hail. “The wetter things get in June, the more storms we can end up with because the moisture just keeps recycling itself.”

### **Straight Hail Coverage Increased**

As farmers brace themselves for the coming hail season, AFSC is increasing the coverage levels offered through its Straight Hail Insurance program. “Producers have asked us to boost the coverage caps to help them protect their crops and cover their hail risk more effectively. As such, we’re raising the maximum coverage farmers can insure on most crops to better reflect today’s higher crop values and rising input costs,” says Sanden.

Coverage has increased by a minimum of \$75 per dryland acre and \$175 on irrigated crops, with significant increases on potatoes, says Sanden. “We’ve also created new coverage categories for higher-value crops like chickpeas and canola, which can now be insured for \$325 per dryland acre, and \$425 on irrigated crops. Full details are available at [www.afsc.ca](http://www.afsc.ca).”



*Following record hail damage to crops across Alberta over the past two years, AFSC is increasing the coverage on its Straight Hail Insurance program to help farmers better protect their crops as they brace themselves for the coming hail season, says Jackie Sanden.*

A growing number of farmers Auto-Elect Straight Hail coverage with their crop insurance in April, says Sanden, pointing out it gives them a two per cent premium discount. “It also gives them hail protection as soon as their crops emerge. If crops are struck by an early hailstorm before they’re insured, fields with more than 25 per cent damage will be declined Straight Hail coverage for the rest of the growing season,” she explains, adding, “Last year an early hailstorm was reported on May 29, and by early June 53 hail claims were triggered on crops across Southern Alberta.”

### **Administrative Costs Reduced**

“We’re also seeing more farmers purchase Straight Hail coverage online because they like being able to access it from home around the clock,” says Sanden. About 20 per cent of farmers bought Straight Hail online last year, creating efficiencies that led to a two per cent reduction in the administrative costs built into Straight Hail premiums this year. Sanden notes first time users must contact AFSC for an activation key to purchase online coverage.

AFSC has provided hail insurance to Alberta farmers since 1938 when special legislation was passed creating the Alberta Hail Insurance Board, which later became AFSC. “Farmers needed someone to offer hail insurance in every corner of the province, because back then it wasn’t available everywhere; the risk was too high,” says Sanden. “That same need exists today because hail is still the biggest risk Alberta farmers face each year. We continue to offer hail insurance in every township, and we don’t limit the number of acres we’ll insure,” she says, noting AFSC’s mandate has broadened today to include the delivery of all-risk crop insurance, livestock price insurance, lending, and income stabilization programs on behalf of government.

For more information about hail coverage, farmers can contact their local AFSC Branch or the AFSC Call Centre at 1-877-899-AFSC (2372). Straight Hail Insurance is available any-time through the growing season and takes effect at noon the day after it’s purchased.



# The Effects of 'Salting' on Buckbrush – Second Season

At Charley Orchard's suggestion, Rob Purdie tried 'salting' on approximately 10 acres area of land that was heavily infested by buckbrush (snowberry) [*Symphoricarpos* spp].

In July 2013, Rob began a series of salting treatments by placing small piles of loose Co-I-Salt (blue salt) among the snowberry. Each pile was about 2 kg (4-5lbs) approximately 4-5 meters apart. The idea here was to achieve high density- low duration impact on a specific area. The size of the area for each pass was largely dictated by the number of animals Rob had available (approx 1000 yearlings) and the period of time that he wanted animals on a specific area (say square meter) of buckbrush. The plan was to have animal impact for 10-15 minutes on any given area. With 1000 yearlings on hand, he was able to impact about 200-300 sq meters at a time. Doesn't sound like much but this was a fairly low labour program and over the period of a couple of weeks of (usually) daily salting he was able to achieve a remarkable impact. I first reported this in my July 29, 2013 blog available at [www.ekgcan.com/blogs](http://www.ekgcan.com/blogs).

Rob continued to refine his approach and soon he was using his horse instead of his quad. By walking through the buckbrush he was able to trickle a line of salt from a bag of loose salt mounted on the back of his horse. The thin line resulted in an impact zone of rectangular shape (I don't have the exact dimensions). Each time he rode through he would leave a new line roughly adjacent to the previous impact area. Over the course of 6-7 days, the impact was obvious. Take a look at the comparison report showing this specific area in July and again in October. It's pretty clear that the buckbrush has been impacted but of course the next question is what will happen in the following year if we do it again (or don't)....stay tuned.



July, 2013 - Photo by Rob Purdie

Forward to 2014 - When I contacted Rob this June, he said that the impact on was still very evident. Furthermore, he's of the opinion that his thinner trail lines of loose salt did less damage to the grass than the small piles of salt. He thought the impact on the buckbrush was about the same for both; so the conclusion is that the thin lines of loose salt is a bit better treatment strategy.

*Albert: "I stopped by the Purdie's Rolyn Hills Ranch and got the latest update on this story and a few pictures. He said the impact of last year's salting on the buckbrush is excellent and he's continuing with salting treatments this year, with a different twist to it.*

*For starters, the herd sizes are different this year. He has one herd of 500 yearlings and a cowherd of about 100 head instead of a herd of 1,000 yearlings that he was working with last year. This changes some of the dynamics of the herd effect somewhat.*

*Rob is also putting the salt and mineral mix in tubs this year, which the cattle can push around quite a bit. He is also moving the tub if the cattle haven't, →*

## Sainfoin Tour

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Dr. Surya Acharya, Forage Research Scientist, Agriculture and Agri-Food Canada

How we are managing Sainfoin in our pastures

**Location 2:** West of Fort Macleod

Dr. Bill Newton, Grazier

**Location 3:** Pine Coulee Reservoir

Gary Brown, Grazier

Guest speaker Grant Lastiwka, Livestock/Forage Business Specialist with Alberta Agriculture and Rural Development, will be speaking on the program background and economics of grazing legumes

### Registration

\$40 Non-Members, \$30 FFGA & CARA Members

Register today or for more information contact Cassie Kirkpatrick at:

[cassie@foothillsforage.com](mailto:cassie@foothillsforage.com) or 403-652-4900

Please register by **August 7<sup>th</sup>, 2014**

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to avoid too much impact in any one area. Rob decided to try it this way because the mineral he's using this year is quite expensive, too expensive to pour on the ground. So far, it looks like there's good animal impact on the buckbrush and it looks like the impact on the grass is acceptable. Time will tell if this method is as good, worse, or better than last year's methods."

If you feel like trying something similar to this at your place it's important to remember that the impact needs to be no more than 15 minutes per salting exercise. That means a salt block will NOT work for you. Additionally, please be aware that this kind of high density animal impact is largely the result of hoof action and not so much forage consumption. Even so, it is very important to allow for adequate rest. Rest the remainder of the growing season would be what I recommend. If you don't have decent grass recovery by the fall; then plan on resting this patch well into (or perhaps all of) the next season. I think the next year should most probably be a fall grazing appearance, if at all.

*Ted*

LAND EKG-CANADA

Ted Sutton

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Cell: 403.909.1772

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July, 2014 - Photo by Rob Purdie

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## These publications are available to our members by phoning or emailing the GWFA office!

### Booklets:

- Forage & Grasslands Guide - A Canadian Forage and Grasslands Association publication
- Management of Canadian Prairie Rangeland
- Pasture Planner - A guide for developing your grazing system
- Sod Seeding - Seeding forages into existing stands using minimal tillage
- Stock-poisoning Plants of Western Canada (Not many left)
- Grazing Notebook - A handy pocket-sized pasture records booklet
- Wintering Site Assessment and Design Tool - A guide to selecting and Managing Wintering sites in Western Canada

### Factsheets:

- Agronomic Management of Stockpiled Pastures
- Agronomic Management of Swath Grazed Pastures
- Beef Ration Rules of Thumb
- Nutrient Management on Intensively Managed Pastures

### Other:

- Wealthy Rancher Calculator - A simple Excel spreadsheet calculator on a CD

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## GWFA Member Benefits

- Farm calls and consulting on grazing management, pasture rejuvenation, feed production (annual forages) and more...
- Receive discounts on Controlled Grazing courses, seminars, tours,
- Receive the GWFA newsletter in spring and fall and the Blade monthly

Memberships are available for \$20.00 and run from April 1st, 2014 to March 31, 2015.

Membership is open to anyone interested in forage production and grazing management in an economically and environmentally sustainable way.

**Don't delay-renew today; Membership renewals are due!**

Please mail the portion below with a cheque for \$20.00 to:  
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PLEASE PRINT CLEARLY:

Renewal\_\_\_\_ or New Member\_\_\_\_  
Canada Post\_\_\_\_ or Email\_\_\_\_

Name\_\_\_\_ Phone\_\_\_\_  
Company Name\_\_\_\_ Mobile Phone\_\_\_\_  
Address\_\_\_\_ Fax\_\_\_\_  
Town\_\_\_\_ Prov\_\_\_\_ Email\_\_\_\_  
Postal Code\_\_\_\_ Confirm Email\_\_\_\_

Please give us an idea of what area of forage production you are interested in:

Controlled Grazing & Pasture Management:\_\_\_\_\_

Growing Annual Forages for Extended Grazing or Swath Grazing:\_\_\_\_\_

Growing Annual Forages for Silage or Greenfeed:\_\_\_\_\_

Growing Hay:\_\_\_\_\_ Ration Balancing:\_\_\_\_\_

Soil Biology:\_\_\_\_\_ Pasture Rejuvenation or Renovation:\_\_\_\_\_

Low Cost Cow/calf Production:\_\_\_\_\_

Environmental Sustainability:\_\_\_\_\_ Economical Sustainability:\_\_\_\_\_

COMENTS:\_\_\_\_\_

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# !!GWFA Argentina Agricultural Tour!!



*Leader Tours Inc.*

**Agricultural Tour: Feb 20<sup>th</sup> to March 3<sup>rd</sup>, 2015**

**Agricultural Tour & optional Iguazú Falls Tour:  
Feb 20<sup>th</sup> to March 6<sup>th</sup>, 2015**



## **You will visit:**

- the Argentine Cooperatives Association (ACA) Headquarters for a description and discussion about the Agricultural Industry in Argentina followed by a visit to the Canadian Embassy - overview of doing business in Argentina.
- LA PASTORIZA - A large 4000 cow ranching operation and several other cattle ranches.
- the Farmers and cattlemen Association of Las Flores.
- the Town of Tandil, known for their cheese and cured meats and an agricultural cooperative.
- the Martinez & Staneck Agricultural Machinery factory.
- Cabaña Santa Ana, a ranch where they raise the Argentinian "Criollos Horse".
- the Instituto Nacional de Tecnologia Agropecuaria (INTA) to learn about the beef cattle situation in Argentina and visit the INTA experimental farm.
- the School of Agriculture of the University of Mar del Plata.
- a traditional Gaucho Party.
- Liniers Livestock Market, the largest cattle market in the world.

## **The optional Iguazú Falls Tour includes:**

- Boating tour across the Paraná and Iguazú rivers with live music on board.
- a full day visit to the Iguazú Water Falls (Argentinean Side)
- a full day visiting the Ruins of Saint Ignacio and the Wanda Mines

Visit [www.greywoodedforageassociation.com](http://www.greywoodedforageassociation.com) for more information!