



Peace Region Turf & Forage Seed Industry

2014 Research & Extension Activities

Peace Region Forage Seed Association

Board of Directors

Reuben Loewen, President
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Chris Thomson, Office Administrator
Wendy Schmaltz, Bookkeeper
Jeremy McDonald, Website

*The vision is to improve
the quality, consistency and profitability
of the turf and forage seed industry
in the Peace River Region.*



Weighing fescue with our new weigh wagon, August 2014

PRFSA Contact Information

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BC Peace River Grain Industry Development Council

Barry Follensbee, Chair
Rolla, BC
Email: bfollensbee@bcgrain.com

Research Activities of PRFSA in 2014

1. Agronomy, Crop Rotation & Establishment Trials:

Comparing Forage, Pea, Canola & Wheat Based Rotations

Contacts: Azooz/ Yoder/ AIP

Year 2 of 5.

Comparing Rates & Timing of Nitrogen Fertilizers

Contacts: Yoder/ Azooz/ AIP

Year 2 of 5.

Effects of Foliar Applied Plant Growth Regulators on Grass & Clover Seed Crops

Contacts: Yoder/ Azooz/ AIP

Year 2 of 5.

2. Forage Seed Variety Trials:

Peace Region Grass Seed Testing Program

Coordinating Trial & Managing Research Site at Beaverlodge, AB

Contacts: Azooz/ Johnson/ AIP

Year 2 of 5.

3. Weed Control & Herbicide Tolerance Trials:

Herbicide Tolerance Trials on Seedling & Established Grasses

Contacts: Yoder/ Azooz/ AIP

Year 2 of 5.

Herbicide Tolerance Trials on Seedling & Established Legumes

Contacts: Yoder/ Azooz/ AIP

Year 2 of 5.

Weed Control Trials: Grass & Legume Seed Crops

Contacts: Yoder/ Azooz/ Johnson/ AIP

Year 2 of 5.

BioControl Research Fund - Common Tansy, Oxeye Daisy, Yellow Toadflax and Tall Buttercup

Contacts: McClay/ Johnson

Year 1 of 3.

4. Herbicide Minor Use Registration Trials:

Compiling data of herbicide tolerance trials & submitting to Pest Management Regulatory Agency (PMRA) in Ottawa.

Membership in Minor Use Consortium.

Representing PRFSA at minor use priority setting meetings in Ottawa (*in 2012 Calvin Yoder & Tobin Dirks attended*).

17 successful Minor Use Registrations in the last 7 years as a direct result of this collaborative work.

Example of Recent Minor Use Registrations: **Viper ADV** on established red clover and alsike clover for seed (2013). Three more current submissions.

5. Insect & Disease Trials:

Monitoring Insect Pests & Anthropod Biodiversity

Contacts: Otani/ AIP

Year 2 of 5.

Pest Monitoring Project / BC Climate Action Initiative

Contacts: Benn/ Clark/ Robinson

Year 2 of 3.

6. Responding to Industry Issues:

Peace Forage Seeding Tool - Seed Supplier Component

Contacts: Burton/ Johnson/ Kerschbaumer

Year 1 of 1.



Reuben and Grant Loewen discussing creeping red fescue establishment in the field with Calvin Yoder.

Research results are:

- * presented at seminars
- * shared at biannual ag industry update meetings like the one in Rycroft, AB every second winter
- * shared during tours
- * summarized in articles in the Forage Seed News magazine
- * compiled into annual updates like the Herbicide Tolerance publication
- * past and current research compiled into publications like the newly distributed **The Seed Head** factsheets
- * available by contacting the researchers listed under each project
- * available on our website at www.peaceforageseed.ca/pages/research_projects.html



Combining creeping red fescue for the field scale fertility trial.

PRFSA Extension Activities in 2014

1. Sharing information with turf and forage seed growers:

Partnering with MFSA to compile **Forage Seed News** magazine and mailing it to over 950 turf & forage seed growers/ members in the Peace Region.

Herbicide Tolerance Update 2014 mailed; Update 2015 being mailed.

Short research updates in *the Seed Head*:

Seed Yield of Bromegrass Varieties Grown in the Peace
Control of Group 2 Resistant NLHB in CRF Fields

Updating forage seed website, as well as adding market updates, more links, articles and publications with great industry information.



Calvin Yoder sharing information with industry on his herbicide tolerance research

Check out our website! <http://www.peaceforageseed.ca>

2. Organizing events to share information:

Winter seminars in 2014:

Mar 18th: Annual production & marketing seminars & jointly held AGMs at the Rycroft Ag Center.

Mar 25th: Forage & Forage Seed Agronomy Update at the Rycroft Ag Center.

Summer tour in 2014:

July 5th: Partnered with PRFA of BC & UNBC Interactive Soils and Forages Day to learn about re-vegetating pipelines and more.

3. Liaison with groups & agencies outside our region:

Forage Seed Canada

Contacts: Heather Kerschbaumer, Danny Friesen

Pesticide Minor Use Registration Priority Setting Committee

Contacts: C Yoder, J Otani, T Dirks, H Kerschbaumer

Joint Membership with BCGPA in BC Agriculture Council

Contacts: Robert VanderLinden

Forage Seeding Interactive Webtool & Re-vegetation Working Group

Contacts: Bill Wilson, Julie Robinson, Heather Kerschbaumer, Sandra Burton, Keith Carroll, Murray Clark, Talon Johnson

The Seed Head
Fact sheet # 7

Date:
January, 2015

Contacts:
Calvin Yoder
(780) 864-3879
Talon Johnson
(877) 630-2198

Nutrient Removal in Seed & Straw of Grass Seed Crops

Introduction
As fertilizer, fuel and labor prices continue to rise, growers are seeking management practices that make economic sense. From 2000 to 2004 the Peace Region Forage Seed Association completed a study of the nutrients removed from fields in forage seed straw and seed.

Table 1. Average nutrient contents of forage seed straw:

Crop	# of samples	Nitrogen %	Phosphorous %	Potassium %	Sulfur %
Creeping red fescue	72	1.10	0.12	1.64	1.98
Timothy	38	0.78	0.09	0.21	0.97
Smooth bromegrass	14	0.86	0.08	0.18	1.12
Meadow bromegrass	34	1.06	0.10	0.23	1.66
Tall fescue	31	1.34	0.12	0.28	2.06
Perennial ryegrass	2	1.14	0.13	0.30	2.02

Table 2. Average nutrient contents of forage seed seeds:

Crop	# of samples	Nitrogen %	Phosphorous %	Potassium %	Sulfur %
Creeping red fescue	5	2.35	0.39	0.89	0.59
Timothy	5	2.91	0.41	0.93	0.57
Smooth bromegrass	5	2.38	0.34	0.77	0.66
Meadow bromegrass	5	2.46	0.29	0.66	0.57
Tall fescue	1	1.94	0.38	0.86	0.67
Perennial ryegrass	1	1.63	0.36	0.82	0.60

* Sulfur samples were not taken from forage seed straw therefore the data in Table 1 is from Oregon research done by John Hart.

The Seed Head
is published by
Peace Region Forage Seed Association
more Seed Head fact sheets available soon on our website
www.peaceforageseed.ca

Keep checking the website or the next edition of the *Forage Seed News* for new **Seed Head** factsheets. These contain relevant and exciting information from research projects!

PRFSA Extension Events in 2015

Production & Marketing Seminar / AGMs
on Thurs Mar 19, 2015
at Kid's Arena Field House,
Fort St John, BC

Topics include:
Market updates
Research highlights
Joint AGMs

Call: Calvin at 1 780 864 3879 or
Chris at 1 877 630 2198



2015 Summer Tour
TBA
In AB

Topics include:
Grass Seed Testing Trials,
Herbicide Tolerance Trials

For more information call:
Calvin at (780) 864 3879
Talon at (877) 630 2198



PRFSA Thanks You for Your Support in 2014



Thank You to 950 Levy Paying Growers & Members

Thank You 2014 Corporate Members

**Ag Vision Seeds Ltd.
AAFC Jennifer Otani
AAFC Rahman Azooz**

**Beaver Plastics Ltd.
BrettYoung
Dynamic Seeds Ltd.**

**Enterprises Macay Inc.
Farm Credit Canada
Foster's Seed and Feed Ltd.**

**Golden Acre Seeds
Gold Medal Seeds
Hannas Trading Corporation**

**Moore Seed Processors Inc.
DLF Pickseed Canada Inc.
Rolla Agricultural Services Ltd.**

**Saddle Hills County
SARDA
South Peace Grain**

Thank You 2014 Research Partners

**Agriculture & Agri-Food Canada (AAFC)
Alberta Agriculture & Rural Dev (AARD)
BC Ministry of Agriculture**

**Dr. Maya Evenden, Bio. Sci. Dep. Univ of AB
Dr. Bruce Coleman, Univ of SK/ AAFC**

**Manitoba Forage Seed Association (MFSA)
Smoky Applied Research Association (SARDA)
Peace River Forage Association of BC
BC Grain Producers Association (BCGPA)**

**Prairie Pesticide Minor Use Consortium
Dow AgroSciences Canada
Dupont Canada**

**Barenbrug USA
BrettYoung
Crop Production Services
Foster's Feed & Seed
Imperial Seed
Moore Seed Processors
Pickseed
Secan
Snow Brand Seeds**

Thank You 2014 Associate Members

Sandra Burton

Keith Carroll

Dale Gach

Brian Johnston

Dave Juneau

Nora Paulovich

Don Pedersen

Julie Robinson

Calvin Yoder

Aaron Zylstra

Thank You 2014 Event Sponsors

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Thank You 2015 Seminar Sponsors

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