

## Informing growers of opportunities by:

### Survey on Feed Quality of Grass Seed Residue

This survey was conducted over 4 years. Feed samples were collected from creeping red fescue, timothy, tall fescue, meadow brome grass and smooth brome grass straw bales. Samples of fall re-growth from several species was also collected and analyzed for feed quality. Summary publication will be available in spring of 2005.



## Transferring technology to growers by:

Organizing production and marketing seminars

Organizing tours to various forage seed growing areas

Compiling production publications & facts sheets:

Perennial ryegrass seed production guide Agdex 127/ 20.

Timothy seed production guide Agdex 127/ 15-2.

Interim report on the feed quality of grass seed straws.

Report "AARI Fall Spraying Trials on Grass Seed Crops".

Tall fescue seed production guide to be completed 2005.

Mailing the Forage Seed News magazine to growers.

This quality source of industry information is compiled collaboratively by resource people across Canada. Over 1750 Peace growers received the winter 2004 magazine.

### For copies of publications contact:

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## Your \$\$\$ at Work for the Turf & Forage Seed Industry



### Research & Extension Activities of the Peace Region Forage Seed Association in 2004

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

## Strengthening research capabilities in Peace River Region:

### Western Canadian Grass Seed Testing Program

#### Grass seed yield cultivar trials

Beaverlodge and Baldonnel are part of a 9 site network across Western Canada. Seed companies enter cultivars into the trials for a fee. The data is available at [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/for7820?opendocument](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/for7820?opendocument).



## Ensuring higher quality, consistency & profitability of forage seed production:

### Weed Control and Herbicide Tolerance Trials in Turf and Forage Seed Crops

Timing of Fall Applied Ally on Timothy, Meadow brome grass, Smooth brome grass and Hybrid brome grass for Tolerance and Weed Control

Ally at 1x and 2x recommended rate was applied to grasses in mid Sept and mid Oct. Weed control ratings, seed yields and forage yields will be collected. Sites included Beaverlodge and Edmonton. Data collected will be used to submit a minor-use registration for the fall application of Ally on several grasses. Year 1 of 3.

Fall versus Spring Spraying of Canada Thistle on Creeping Red Fescue

This trial compared thistle control from fall applied Ally and Curtail M to spring applications of Curtail M, Refine Extra and Lontrel applied at two different growth stages of the fescue. Year 4 of 4.

Broadleaf Weed Tank Mixes With Graminicides for Quackgrass Control in Creeping Red Fescue

Evaluating some of the newer broad-leaved weed herbicides to apply on creeping red fescue and whether they can be tank mixed with graminicides without reducing quackgrass control. Year 1 of 4.

Herbicide Tolerance and Weed Control in Established Alsike and Red Clover Seed Crops

Evaluating 4 herbicides at the 1x and 2x rate applied in the spring to established alsike clover. Seed yield data and weed control are assessed. Year 1 of 3.

### Stem Eyespot Control in Creeping Red Fescue

Control of Stem Eyespot in Creeping Red Fescue With Fungicides

Small plot replicated trials were established in producers fields to evaluate fungicides applied at different growth stages of fescue for stem eyespot control. Year 2 of 3.

Evaluating seed yields of Oracle vs Boreal

Seed yield data from 6 sites over 2 years will be compiled this winter. Year 2 of 4.



### Herbicide Minor Use Registration Trials

To collect seed yield and quality data following herbicides applications of at 1x and 2x rate on forage and turf seed crops. Data is collected over several site years and submitted for minor-use registration.

Tolerance of Grasses to Pre-seeding and Pre-emergent Herbicides

Evaluating tolerance of seedling grasses to herbicides applied as pre-seeding or pre-emergent applications. Year 2 of 4.

Herbicide Tolerance Trials on Meadow Brome grass and Smooth Brome grass

Evaluating the tolerance of established meadow and smooth brome grass to spring applied herbicides (Prestige, Spectrum, Achieve liquid). Year 1 of 3.

In April 2004 seven Minor Use Label Expansion proposals were submitted to the Pest Management Regulatory Agency (PMRA) in Ottawa.

Prestige on Established Timothy Grown For Seed  
Prestige on Established Creeping Red Fescue For Seed  
Curtail M on Established Timothy Grown For Seed  
Attain on Established Creeping Red Fescue For Seed  
Spectrum on Timothy Grown For Seed Production  
Spectrum on Established Tall Fescue Grown For Seed  
Spectrum on Established Creeping Red Fescue For Seed

### Crop Rotation and Establishment Trials

Direct Seeding 3 Annual Crops Into Creeping Red Fescue

Peas, Roundup Ready canola and oats were direct seeded into creeping red fescue sprayed out in 2003 in a field scale replicated trial near Rycroft. Year 1 of 2.

Value of Pre-seeding and Pre-emergent Burnoffs When Direct Seeding Grasses Into Stubble

Herbicides were applied on 2 fields of direct seeded creeping red fescue into stubble. Year 1 of 2.

Direct Seeding Five Annual Crops Into Tall Fescue

Peas, Roundup Ready canola, oats, barley and wheat were direct seeded into tall fescue sprayed out in 2003 in a small plot replicated trial near Falher. Year 1 of 1.

Tolerance of Seedling Creeping Red Fescue to Roundup Underseeded to Canola

Evaluating the tolerance and establishment of creeping red fescue underseeded with RR canola in replicated small plot trial in a Rycroft producer's field. Year 1 of 2.