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**BST Soil Conservation Association**

9307 - 97th Avenue, Fort St. John, BC, V1J 1M6, Tel.+Fax: (250) 785 4776

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To  
Peace River Agriculture Development Fund  
Fort St John BC

Tel.: 250 262 8585  
Fax: 250 785 9388

September 15, 2000

Dear Barry,

Please find attached our second report on the activities for our Forage Seed Production Research project funded by you.

I also enclose 3 pages with the preliminary results from this year's harvest of our trials. These pages are not an official publication and therefore do not carry the acknowledgement of the funding from PRAD and Investment Agriculture. But we have the intention of making these results available to the farming community through a leaflet.

Regards,



Lothar Torheiden, Technician

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Forage Seed Production Research Project

1. Report: April 15 - June 30, 2000

APRIL 2000

1. Post harvest management  
No activities
2. In between row weed control  
Chose plot sites and began to work on in between row cultivator
3. Sod knifing of creeping red fescue  
No activities
4. Underseeding of perennial ryegrass  
Selected plot site
5. Production trials of native grasses  
Initial evaluation of 1999 fall seeding

MAY 2000

1. Post harvest management  
Monitored plots and sprayed herbicides and insecticides on sheep's fescue plots.
2. In between row weed control  
Staked out three trials; one each on tall fescue, hard fescue, creeping red fescue and meadow brome and did the in between row cultivation application.
3. Sod knifing of creeping red fescue  
Discussed project with A. Hadland.
4. Underseeding of perennial ryegrass  
Field trial of underseeding perennial ryegrass into peas was established.
5. Production trials of native grasses  
No activities

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JUNE 2000

Had member tour of BST plots

1. Post harvest management  
Monitored plots.

2. In between row weed control  
Applied the in between row herbicide treatment on three trials.

3. Sod knifing of creeping red fescue  
Inspected this year's rejuvenation at A. Hadland.

4. Underseeding of perennial ryegrass  
Underseeded trial with 5 perennial ryegrass varieties into wheat.

5. Production trials of native grasses  
No activities

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Forage Seed Production Research Project

2. Report: July 1, 2000 - September 15, 2000

July 2000

Participated in annual tour of the Peace Region Forage Seed Association

- 1. Post harvest management  
Harvested trials on E. Hadland's sheep's fescue, G. Aalhus' hard fescue,
- 2. In between row weed control  
Monitored trials
- 3. Sod knifing of creeping red fescue  
No activities
- 4. Underseeding of perennial ryegrass  
Monitored trial
- 5. Production trials of native grasses  
No activities

August 2000

1. Post harvest management  
Harvested trials on creeping red fescue at G. Ouellette and G. Hill and on tall fescue at Pedersen Seeds and E. Hadland. Threshed and cleaned all samples from all trials with the plot combine from the BC Grain Producers Association and forwarded results to members of the association.

Established mowing and raking trials on E. Hadland's sheep's fescue and tall fescue and on M. Odermatt's creeping red fescue and did the mowing treatments on these trials.

- 2. In between row weed control  
Abandoned all three sites because the in between row spraying failed. Inspected 4 fields for suitability of new trial sites.
- 3. Sod knifing of creeping red fescue  
Discussed with G. Ouellette the establishment of a trial site on his farm.
- 4. Underseeding of perennial ryegrass  
Monitored site.
- 5. Production trials of native grasses  
Mowed 1999 fall seeding trial.

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SEPTEMBER 1-15, 2000

1. Post harvest management  
Applied raking treatment to all new trials.
2. In between row weed control  
No activity.
3. Sod knifing of creeping red fescue  
Established trial site at G. Ouellette's, mowed it and applied the ploughing treatment.
4. Underseeding of perennial ryegrass  
Monitored site.
5. Production trials of native grasses  
No activities

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PRELIMINARY RESULTS OF OUR 2000 TRIALS

1. RAKING AND MOWING TRIAL ON SHEEP'S FESCUE (HADLAND SEED FARM)



MOWING HEIGHT 2.5" + NO INSECTICIDE RAKED 407 LBS/AC CHECK 389 LBS/AC
MOWING HEIGHT 4.0" + NO INSECTICIDE RAKED 364 LBS/AC CHECK 462 LBS/AC
MOWING HEIGHT 4.0" + INSECTICIDE RAKED 494 LBS/AC CHECK 518 LBS/AC

MOWING HEIGHT 2.5" NO INSECTICIDE

MOWING HEIGHT 4.0" NO INSECTICIDE

MOWING HEIGHT 4.0" INSECTICIDE

CHECK	RAKE	CHECK	RAKE	CHECK	RAKE	CHECK	RAKE
CHECK	RAKE	CHECK	RAKE	CHECK	RAKE	CHECK	RAKE
CHECK	RAKE	CHECK	RAKE	CHECK	RAKE	CHECK	RAKE

2. RAKING AND MOWING TRIAL ON BARDUR HARD FESCUE (G. AALHUS)

NOT MOWED RAKED 395 LBS/AC CHECK 352 LBS/AC
MOWED, MOWING HEIGHT 2.5" RAKED 499 LBS/AC CHECK 455 LBS/AC

MOWED MOWING HEIGHT 2.5"

NOT MOWED

RAKE	CHECK	RAKE	CHECK	RAKE	CHECK	RAKE	CHECK
RAKE	CHECK	RAKE	CHECK	RAKE	CHECK	RAKE	CHECK

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3. DEGELMAN HARROW TRIAL ON SHEEP'S FESCUE (HADLAND SEED FARM)



NOT HARROWED  
573 LBS/AC

HARROWED (2 times)  
437 LBS/AC

NOT HARROWED	NOT HARROWED	NOT HARROWED
HARROWED	HARROWED	HARROWED

4. RAKING AND MOWING TRIAL ON CREEPING RED FESCUE (G.+R. OUELLETTE)

RAKED  
CHECK 742 LBS/AC  
MOWED 781 LBS/AC

NOT RAKED  
CHECK 719 LBS/AC  
MOWED 916 LBS/AC

RAKED

NOT RAKED

MOW	CHECK	MOW	CHECK	MOW	CHECK	MOW	CHECK
MOW	CHECK	MOW	CHECK	MOW	CHECK	MOW	CHECK

5. MOWING TRIAL ON TALL FESCUE (PEDERSEN SEEDS) MOWED DOWN TO 2" ON AUGUST 23, 1999

CHECK 1236 LBS/AC

MOWED 1532 LBS/AC

CHECK
MOWED
CHECK
MOWED
CHECK
MOWED
CHECK
MOWED

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6. RAKING AND MOWING TRIAL ON CREEPING RED FESCUE (G. HILL)

N



NOT RAKED	
CHECK	300 LBS/AC
MOWED	360 LBS/AC
RAKED	
CHECK	435 LBS/AC
MOWED	441 LBS/AC

CHECK	CHECK
MOW	MOW
CHECK	CHECK
MOW	MOW
CHECK	CHECK
MOW	MOW
CHECK	CHECK
MOW	MOW

RAKED

NOT RAKED

7. RAKING TRIAL ON CREEPING RED FESCUE (G. HILL)

RAKED+MOWED	684 LBS/AC
MOWED	685 LBS/AC

RAKED + MOWED
MOWED
RAKED + MOWED
MOWED
RAKED + MOWED
MOWED

8. RAKING AND MOWING TRIAL ON TALL FESCUE (HADLAND SEED FARM) MOWED END OF SEPTEMBER 1999

MOWED	
CHECK	653
RAKED	564
NOT MOWED	
CHECK	631
RAKED	589

MOWED

NOT MOWED

RAKED	CHECK	RAKED	CHECK	RAKED	CHECK	RAKED
RAKED	CHECK	RAKED	CHECK	RAKED	CHECK	RAKED