Western Canadian Grass Seed Testing Program



2008 Report

Coordinated by:



Peace Region Forage Seed Association
Sandra Burton

With Cooperating Research Sites in: British Columbia Alberta

Manitoba

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Introduction

This report provides a summary of the grass seed trials conducted under the Western Grass Seed Testing Program during 2007. The main objective of these trials is to determine the seed production potential and adaptability of grass varieties for contract seed production for the domestic and export market. All attempts have been made to ensure the success of these trials; however, at times environmental conditions may adversely affect the yield results regardless of the management practices followed.

We thank the following companies and agencies for their seed entries and sponsorship of our 2008 research endeavours:

Agriculture & Agri-Food Canada
Barenbrug USA
Brett Young
DLF International/Trifolium
Snow Brand Seeds
Turf Care

The following groups are also thanked for their cooperation with the program and research site management:

Alberta Research Council

Alberta Agriculture & Rural Development

Agriculture & Agri-Food Canada

Manitoba Forage Seed Association

Peace Region Forage Seed Association

WGST Co-operating Research Sites and Contacts

| Fort St. John, BC & Baldonnel, BC | Sandra Burton, PRFSA Coordinator Peace Region Forage Seed Association Box 6135, Fort St. John, BC V1J 4H6 Phone 877 630 2198 or (250) 789 6885 Fax (250) 789 6884 Email: coordinator@peaceforageseed.ca | Vicki Moser, PRFSA Summer Student c/o Peace Region Forage Seed Association Box 6135, Fort St. John, BC V1J 4H6 Phone 877 630 2198 or (250) 789 6885 Fax (250) 789 6884 Email: coordinator@peaceforageseed.ca |
|--------------------------------------|---|---|
| Beaverlodge, AB | Sandra Burton (interim contact) Peace Region Forage Seed Association Box 6135, Fort St. John, BC V1J 4H6 Phone 877 630 2198 or (250) 789 6885 Fax (250) 789 6884 Email: coordinator@peaceforageseed.ca | Owen Lee, Forage Technician Agriculture & AgriFood Canada Box 29, Beaverlodge, AB. T0M 0C0 Phone (780) 354-5140 Fax (780) 354-8171 Email: leeo@agr.gc.ca |
| Vegreville, AB | Jay Woosaree, Researcher Alberta Research Council Hwy. 16A, 75 Street Vegreville, Alberta Phone: (780) 632-8209 Fax: (780) 632-8612 E-mail: jay@arc.ab.ca | Marshall McKenzie, Technician Alberta Research Council Hwy. 16A, 75 Street Vegreville, Alberta Phone: (780) 632-8254 Fax: (780) 632-8612 E-mail: Marshall.McKenzie@arc.ab.ca |
| Arborg, MB | Heather McBey, MFSA Administrator Manitoba Forage Seed Association Box 2000 Arborg, MB. R0C 0A0 Phone (204) 376-3309 Fax (204) 376-3311 Email: hmcbey@forageseed.mb.ca | Laura Wolonshyn, MFSA Researcher Manitoba Forage Seed Association Box 2000 Arborg, MB. R0C 0A0 Phone (204) 376-3314 Fax (204) 376-3311 Email: lwolonshyn@forageseed.mb.ca |

Date Collection Procedures

Seed Yield reported on a clean seed basis in kg per ha (kg per ha \times 0.9 = lbs per ac)

Harvest Date date the variety was swathed or cut

Plant Height measured in centimeters and is the height of the plant at harvest from ground level to the tip

of the seed head (cm \times 2.54 = inches)

Trial Procedures

For information on specific trial procedures, contact the respective location representative listed on this page.

* Please Note * Statistical Analysis Procedures *

Some varieties in this report have been tested for shorter periods of time than others. It is advised not to use average yield figures to make variety comparisons for single year data. Only after a **minimum of 3 years of testing**, should data be considered as 90% reliable. In some cases, data may not be reported due to extreme variations that cannot be accounted for in the statistical design.

Statistical information for this report was generated through an Analysis of Variance (ANOVA). Least significant difference (LSD) values are presented at the bottom of each table, when statistically significant differences are present at the 5% level of significance. This means there is a 95% probability that you can reject the hypothesis that the treatments are the same; in other words there is only a 5% probability that the treatment differences occurred by chance. If the difference in treatment values is less than the LSD value, the treatments are not considered to be significantly different.

Disclaimer

Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement is implied.

Protocol for Western Grass Seed Testing (WGST) Program

Revised January 2008

1. Research Sponsorship

The research sponsorship of \$120 CAN/entry/year/location is requested on an annual basis, as years of production will vary with the species being tested, and applies to the establishment year as well. Peace Region Forage Seed Association will coordinate and administer funds for the Western Grass Seed Testing Program.

2. Eligibility of Entries

Released and experimental lines of all tame and native grass species will be considered if they are of interest to commercial seed companies. We reserve the right not to initiate tests:

- if seed arrives late
- if there is lack of space in any year at a particular location
- if there are too few entries in any year for a particular location

3. Seed Requirements and Deadline for Seed Entry

The applicant will provide for **EACH TEST LOCATION**:

- 50 gm of bentgrass, Kentucky bluegrass or timothy
- 100 gm of orchardgrass; creeping red, chewings, hard, meadow, sheep or tall fescue; annual or perennial ryegrass
- 200 gm of meadow or smooth bromegrass, wheatgrasses

Submitted seed shall be supplied by March 1 of the establishment year and will include the percent germination and relative maturity (early, medium or late) of each variety. Please indicate whether the submission is a forage or turf type. For fescues please indicate whether the submission is a creeping, chewings, hard, meadow, sheep or tall fescue.

4. Use of Seed

Seed submitted will only be used to establish the agreed upon trials. The seed will **NOT** be used for increase, selection or distribution.

5. Test Locations

- 1. Fort St. John, British Columbia
- 2. Beaverlodge, Alberta
- 3. Vegreville, Alberta
- 4. Arborg, Manitoba

The applicant selects the locations where their material is to be tested.



6. Test Description

Due to plot equipment differences and land availability at the various test sites, certain conditions must be met in establishing trials. Each test will be a randomized complete block consisting of a minimum of 4 replicates. No test will have more than 25 entries of a particular species. Plots will be seeded at appropriate seeding rates for the species being tested and normal cultural practices for the area will be carried out. A minimum of 3 sq. m will be harvested.

Species, check varieties and years of testing (establishment year and seed production years):

Bentgrasses - 18th Green - 4 yrs. Kentucky bluegrass - Abbey - 4 yrs Meadow bromegrass - Fleet - 3 yrs Smooth bromegrass - Carlton - 4 yrs Meadow fescue - Mimer - 4 yrs Red fescue - Boreal - 3 yrs Tall fescue - Courtenay - 4 yrs Orchardgrass - Kay - 3 yrs Annual ryegrass - Aubade - 1 yr Perennial ryegrass - Norlea - 2 yr Timothy - Climax - 4 yrs

Information to be recorded will include clean seed yield, % stand in fall and spring, plant height, harvest date and if available, climatic data for each test site.

7. Publication of Results

Data will undergo appropriate statistical analyses and each applicant will be provided with an annual report. Information on varieties will be made available in various annual reports and to seed producers upon request.

8. All reasonable care will be taken to ensure a successful test; however, a guarantee cannot be made that a particular test will be successful. If required a test will be reseeded.

9. For further information, contact:

Sandra Burton, Coordinator Peace Region Forage Seed Association Box 6135 Fort St. John, British Columbia Canada V1J 4H6 Telephone: 1 877 630 2198 or (250) 789 6885

Fax: (250) 789-6884

Email: coordinator@peaceforageseed.ca

Kentucky Bluegrass Trials Established in 2007 Arborg, Manitoba: 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|-------------|---------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg/ha) | Date | (cm) |
| Barenbrug USA | BAR PP 0468 | 191 | 30-Jul | 73 |
| | BAR VV 8536 | 579 | 30-Jul | 75 |
| Check | Abbey | 504 | 30-Jul | 74 |
| | | | | |
| | Mean | 425 | | 74 |
| | CV (%) | 8.2 | | 26.6 |
| | LSD (0.05) | 255.9 | | 13.8 |

Summary of Seed Yield (kg per ha) for Kentucky Bluegrass in Western Canada WGST 2007-2008

| | | | Seed yield / produ year | | duction |
|---------|---------------|-------------|----------------------------|---|---------|
| Year of | | _ | Arborg | | |
| Seeding | Company | Variety | 1 | 2 | 3 |
| 2007 | Barenbrug USA | BAR PP 0468 | 191 | | |
| | | BAR VV 8536 | 579 | | |
| | Check | Abbey | 504 | | |

Fine Fescue Trials Established in 2006 Beaverlodge, Alberta 2008 Seed Production Results

| | | Seed Yield | Harvest | Plant Height |
|---------------|------------|---------------|---------|-----------------|
| Company | Variety | (kg /ha) | Date | (cm) |
| Barenbrug USA | 01-FR-1 | 733 | 21-Jul | 63 |
| | Barena III | 459 | 21-Jul | 70 |
| | Barthema | 325 | 21-Jul | 74 |
| | Barustic | 527 | 21-Jul | 66 |
| Turf Care | TL 10709 | 502 | 21-Jul | 63 |
| Check | Boreal | 778 | 21-Jul | 78 |
| | | | | |
| | Mean | 554 | | 69 |
| | CV (%) | 11.0 | | 8.6 |
| | LSD (0.05) | 91.6 | | 9.0 |

Fine Fescue Trials Established in 2007 Fort St. John, British Columbia 2008 Seed Production Results

| | | Seed Yield | Harvest | Plant Height |
|---------------|------------------------------|---------------|---------|-----------------|
| Company | Variety | (kg /ha) | Date | (cm) |
| Barenbrug USA | Hardtop | 470 | 17-Jul | 62 |
| Check | Boreal | 762 | 23-Jul | 78 |
| | Mean CV (%) LSD (0.05) | 616 9.7 | | 70 6.8 11 |
| | LSD (0.05) | 134 | | 1.1 |

Fine Fescue Trials Established in 2007 Beaverlodge, Alberta 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|------------|----------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg /ha) | Date | (cm) |
| Barenbrug USA | Hardtop | 349 | 16-Jul | 71 |
| Brett Young | IS FRR 23 | 769 | 21-Jul | 73 |
| | IS FRR 29 | 798 | 21-Jul | 72 |
| Check | Boreal | 931 | 21-Jul | 81 |
| | | | | |
| | Mean | 712 | | 74 |
| | CV (%) | 15.1 | | 6.3 |
| | LSD (0.05) | 172 | | 7.4 |

Summary of Seed Yield (kg per ha) for Fine Fescues in Western Canada WGST 2006-2008

| | | | | Seed yield / productio year | | tion | |
|---------|--------------|---------------|------------|--------------------------------|--------|-------------|---|
| Year of | | | | Beave | rlodge | Fort Jol | |
| seeding | Species | Company | Variety | 1 | 2 | 1 | 2 |
| 2006 | Creeping red | Barenbrug USA | 01-FR-1 | 856 | 733 | | |
| | | | Barena III | 439 | 459 | | |
| | | | Barthema | 451 | 325 | | |
| | | | Barustic | 742 | 527 | | |
| | | Turf Care | TL10709 | 945 | 502 | | |
| | | Check | Boreal | 978 | 778 | | |
| 2007 | Hard fescue | Barenbrug USA | Hardtop | 349 | | 470 | |
| | Creeping red | Brett Young | IS FRR 23 | 769 | | | |
| | | | IS FRR 29 | 798 | | | |
| | | Check | Boreal | 931 | | 762 | |

Tall Fescue Trials Established in 2007 Beaverlodge, Alberta 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|-------------|---------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg/ha) | Date | (cm) |
| Barenbrug USA | BARFA 1005 | 1305 | 28-Jul | 64 |
| | BAR 3FABRT9 | 780 | 28-Jul | 89 |
| | Bariane | 713 | 28-Jul | 93 |
| | Barcarella | 903 | 22-Jul | 95 |
| Check | Courtenay | 982 | 22-Jul | 104 |
| | | | | |
| | Mean | 937 | | 89 |
| | CV (%) | 10.0 | | 6.3 |
| | LSD (0.05) | 144 | | 8.6 |

Summary of Seed Yield (kg per ha) for Tall Fescues in Western Canada WGST 2007-2008

| | | | | Seed yield / production year | | | | | |
|---------|---------------|-------------|--------|------------------------------|---------|----|------|---------|----|
| Year of | | | | Bea | averlod | ge | Fort | St. Joh | nn |
| seeding | Company | Variety | Type | 1 | 2 | 3 | 1 | 2 | 3 |
| 2007 | Barenbrug USA | BARFA 1005 | Forage | 1305 | | | | | |
| | | BAR 3FABRT9 | Forage | 780 | | | | | |
| | | Bariane | Forage | 713 | | | | | |
| | | Barcarella | Forage | 903 | | | | | |
| | Check | Courtenay | Forage | 982 | | | | | |

Orchard Grass Trials Established in 2007 Arborg, Manitoba: 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|------------|---------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg/ha) | Date | (cm) |
| Barenbrug USA | Baridana | 320 | 25-Jul | 130 |
| | Intensiv | 373 | 25-Jul | 131 |
| Check | Kay | 368 | 25-Jul | 130 |
| | | | | |
| | Mean | 353 | | 130.5 |
| | CV (%) | 22.8 | | 1.3 |
| | LSD (0.05) | 139 | | 4 |

Orchard Grass Trials Established in 2007 Beaverlodge, Alberta: 2008 Seed Production Results

| Company | Variety | Seed Yield (kg/ha) | Harvest Date | Plant Height (cm) |
|---------------|------------------------------|--------------------------|-----------------|-------------------------|
| Barenbrug USA | Baridana | 346 | 23-Jul | 97 |
| | Intensiv | 351 | 23-Jul | 113 |
| Check | Kay | 346 | 23-Jul | 105 |
| | Mean CV (%) LSD (0.05) | 348 19.1 115 | | 105 4.6 8 |

Summary of Seed Yield (kg per ha) for Orchard Grass in Western Canada WGST 2007-2008

| | | | | Seed yield / production year | | | | | |
|---------|---------------|----------|--------|------------------------------|---|---|-----|--------|----|
| Year of | | | | Arborg | | | Bea | verlod | ge |
| seeding | Company | Variety | Type | 1 | 2 | 3 | 1 | 2 | 3 |
| 2007 | Barenbrug USA | Baridana | Forage | 320 | | | 346 | | |
| | | Intensiv | Forage | 373 | | | 351 | | |
| | Check | Kay | Forage | 368 | | | 346 | | |

Perennial Ryegrass Trials Established in 2007 Arborg, Manitoba: 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|------------|---------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg/ha) | Date | (cm) |
| Barenbrug USA | Remington | 584 | Aug 21 | 91 |
| Check | Norlea | 396 | Aug 29 | 84 |
| | | | | |
| | Mean | 490 | | 88 |
| | CV (%) | 20.6 | | 5.4 |
| | LSD (0.05) | 354 | | 17 |

Perennial Ryegrass Trials Established in 2007 Vegreville, Alberta: 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|-----------|---------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg/ha) | Date | (cm) |
| Barenbrug USA | Remington | NA | NA | NA |
| Check | Norlea | NA | NA | NA |

Mean CV (%) LSD (0.05)

Summary of Seed Yield (kg per ha) for Perennial Ryegrass in Western Canada WGST 2007-2008

| | | | Seed yield / production year |
|---------|---------------|-----------|------------------------------|
| Year of | | | Arborg |
| Seeding | Company | Variety | 1 |
| 2007 | Barenbrug USA | Remington | 584 |
| | Check | Norlea | 396 |

Timothy Trials Established in 2005 Arborg, Manitoba 2008 Seed Production Results

| | | Seed | | Plant |
|-------------------|------------|----------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg /ha) | Date | (cm) |
| DLF International | DP 70-4731 | 109 | 21-Aug | 97 |
| | DP 70-4752 | 165 | 21-Aug | 100 |
| | Niklas | 106 | 21-Aug | 100 |
| | Promesse | 179 | 21-Aug | 106 |
| | Tundra | 111 | 21-Aug | 103 |
| | Viking | 108 | 21-Aug | 98 |
| | Winnetou | 129 | 21-Aug | 105 |
| Check | Climax | 74 | 21-Aug | 105 |
| | | | | |
| | Mean | 123 | | 102 |
| | CV (%) | 33.9 | | 8.7 |
| | LSD (0.05) | 61 | | 13 |

Timothy Trials Established in 2005 Beaverlodge, Alberta 2008 Seed Production Results

| | | Seed | | Plant |
|-------------------|------------|-----------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg / ha) | Date | (cm) |
| AAFC Beaverlodge | BRFLAL1 | 359 | 07-Aug | 94 |
| DLF International | Viking | 370 | 07-Aug | 86 |
| Check | Climax | 445 | 07-Aug | 99 |
| | | | | |
| | Mean | 391 | | 94 |
| | CV (%) | 10.9 | | 6.8 |
| | LSD (0.05) | 74 | | 11 |

Note: Viking poor germination in first year

Timothy Trials Established in 2005 Baldonnel, British Columbia 2008 Seed Production Results

| | | Seed | | Plant |
|------------------|------------|-----------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg / ha) | Date | (cm) |
| AAFC Beaverlodge | BRFLAL1 | 481 | 07-Aug | 91 |
| Check | Climax | 293 | 07-Aug | 84 |
| | | | | |
| | Mean | 387 | | 89 |
| | CV (%) | 4.9 | | 7.6 |
| | LSD (0.05) | 42 | | 15 |

Timothy Trials Established in 2006 Beaverlodge, Alberta 2008 Seed Production Results

| | | Seed Yield | Harvest | Plant Height |
|-------------|------------|---------------|---------|-----------------|
| Company | Variety | (kg / ha) | Date | (cm) |
| Brett Young | BY 19004 | 145 | 07-Aug | 81 |
| | BY 98665 | 257 | 07-Aug | 90 |
| | BY 98667 | 213 | 07-Aug | 81 |
| | BY 99966 | 341 | 07-Aug | 77 |
| | BY 99984 | 236 | 07-Aug | 94 |
| | CT70-9704 | 123 | 07-Aug | 76 |
| | FLP 07 | 57 | 07-Aug | 83 |
| | INDH 9803 | 276 | 07-Aug | 90 |
| Check | Climax | 220 | 07-Aug | 97 |
| | | | | |
| | Mean | 208 | | 85 |
| | CV (%) | 30.0 | | 14.0 |
| | LSD (0.05) | 90 | | 17 |

Timothy Trials Established in 2007 Arborg, Manitoba: 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|------------|---------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg/ha) | Date | (cm) |
| Barenbrug USA | Bor 9911 | 439 | 14-Aug | 102 |
| | Bor 2005 | 568 | 14-Aug | 102 |
| Check | Climax | 516 | 14-Aug | 103 |
| | | | | |
| | Mean | 508 | | 102 |
| | CV (%) | 16.2 | | 3.4 |
| | LSD (0.05) | 143 | | 6 |

Timothy Trials Established in 2007
Fort St. John, British Columbia 2008 Seed Production Results

| | | Seed | | Plant |
|---------------|------------|----------|---------|--------|
| | | Yield | Harvest | Height |
| Company | Variety | (kg /ha) | Date | (cm) |
| Barenbrug USA | Bor 9911 | 291 | 05-Aug | 75 |
| | Bor 2005 | 220 | 06-Aug | 72 |
| Brett Young | BY 19004 | 170 | 05-Aug | 74 |
| | BY 98665 | 285 | 06-Aug | 75 |
| | BY 98667 | 214 | 06-Aug | 71 |
| | BY 99966 | 328 | 06-Aug | 76 |
| | BY 99984 | 228 | 05-Aug | 79 |
| | CT 70-9704 | 132 | 06-Aug | 67 |
| | FLP07 | 103 | 06-Aug | 73 |
| | INPH 9803 | 351 | 05-Aug | 81 |
| Check | Climax | 283 | 06-Aug | 74 |
| | | | | |
| | Mean | 237 | | 74 |
| | CV (%) | 21.7 | | 7.2 |
| | LSD (0.05) | 74 | | 8 |

Summary of Seed Yield (kg per ha) for Timothy in Western Canada 2005-2008

| | | | Seed yield / production year | | | | | | | | | | |
|--------|-------------------|------------|------------------------------|--------|-----|---|-------------|-----|-----|---|---------------|-----|-----|
| Establ | | | | Arborg | | | Beaverlodge | | | | FSJ/ Baldonne | | |
| Year | Company | Variety | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 |
| 2005 | AAFC Beaverlodge | BRFLAL1 | | | | | 527 | 604 | 359 | | 616 | 807 | 481 |
| | DLF-International | DP 70-4731 | 369 | 247 | 109 | | | | | | | | |
| | | DP 70-4752 | 383 | 289 | 165 | | | | | | | | |
| | | Niklas | 100 | 102 | 106 | | | | | | | | |
| | | Promesse | 351 | 259 | 179 | | | | | | | | |
| | | Tundra | 289 | 242 | 111 | | | | | | | | |
| | | Viking * | * | * | 108 | | | | 370 | | | | |
| | | Winnetou | 392 | 342 | 129 | | | | | | | | |
| | Check | Climax | 289 | 416 | 74 | | 600 | 538 | 445 | | 419 | 517 | 293 |
| 2006 | Brett Young | BY 19004 | | | | | 221 | 145 | | | | | |
| | | BY 98665 | | | | | 452 | 257 | | | | | |
| | | BY 98667 | | | | | 387 | 213 | | | | | |
| | | BY 99966 | | | | | 425 | 341 | | | | | |
| | | BY 99984 | | | | | 242 | 236 | | | | | |
| | | CT 70-9704 | | | | | 371 | 123 | | | | | |
| | | FLP07 | | | | | 281 | 57 | | | | | |
| | | INPH 9803 | | | | | 392 | 276 | | | | | |
| | Check | Climax | | | | | 404 | 220 | | | | | |
| 2007 | Barenbrug USA | Bor 9911 | | | | | | | | | 291 | | |
| | | Bor 2005 | | | | | | | | | 220 | | |
| | Brett Young | BY 19004 | | | | | | | | | 170 | | |
| | | BY 98665 | | | | | | | | | 285 | | |
| | | BY 98667 | | | | | | | | | 214 | | |
| | | BY 99966 | | | | | | | | | 328 | | |
| | | BY 99984 | | | | | | | | | 228 | | |
| | | CT 70-9704 | | | | | | | | | 132 | | |
| | | FLP07 | | | | | | | | | 103 | | |
| | | INPH 9803 | | | | | | | | | 351 | | |
| | Check | Climax | | | | | | | | | 283 | | |

Western Grass Seed Testing 2008 Seeding Summary

| Species | Company | Variety | Туре | Fort St. John | Beaverlodge | Vegreville | Arborg |
|-----------|------------------|-------------|--------|---------------|-------------|------------|--------|
| Fine Fes | cue | | | | | | |
| | Brett Young | IS-FRR 29 | turf | 2008 | 2008 * | | |
| | | IS-FRR 23 | turf | 2008 | 2008 * | | |
| | Barenbrug USA | Hardtop | turf | | 2008 * | | |
| | Check | Boreal | turf | | 2008 * | | |
| Tall Fesc | cue | | | | | | |
| | Barenbrug USA | BARFA 1005 | turf | 2008 ** | | | 2008 * |
| | - | BAR3FA BTR9 | turf | 2008 ** | | | 2008 * |
| | | Bariane | forage | 2008 ** | | | 2008 * |
| | | Barcarella | forage | 2008 ** | | | 2008 * |
| | Check | Courtney | forage | 2008 ** | | | 2008 * |
| Orchard | grass | | | | | | |
| ` | Barenbrug USA | Baridana | forage | 2008 ** | | | |
| | - | Intensiv | forage | 2008 ** | | | |
| | Check | Kay | forage | 2008 ** | | | |
| Timothy | | | | | | | |
| , | Snow Brand Seeds | Hokuei | forage | 2008 | 2008 | 2008 | 2008 |
| | | Horizon | forage | 2008 | 2008 | 2008 | 2008 |
| | | Sirius | forage | 2008 | 2008 | 2008 | 2008 |
| | | Zepher | forage | 2008 | 2008 | 2008 | 2008 |
| | | SBT0001 | forage | 2008 | 2008 | 2008 | 2008 |
| | | SBT0301 | forage | 2008 | 2008 | 2008 | 2008 |
| | | SBT0308 | forage | 2008 | 2008 | 2008 | 2008 |
| | | SBT0309 | forage | 2008 | 2008 | 2008 | 2008 |
| | | SBT0310 | forage | 2008 | 2008 | 2008 | 2008 |
| Notes | Check | Climax | forage | 2008 | 2008 | 2008 | 2008 |

Notes:

Arborg: reasonably good establishment but above average ppt & wet conditions in 2008.

Brooks & Bow Island: no entries seeded or harvested due to AAF program restructuring.

^{**}FSJ: reseeding 2007 entries from Beaverlodge that did not establish due to dry conditions, with good results.

^{*} Beaverlodge: very droughty conditions and poor establishment for both current and reseeded entries in 2008.

^{*}Arborg: reseeded tall fescue varieties with good results.