

**Alberta Agriculture
Food and Rural Development**

**Saskatchewan
Agriculture & Food**

**Manitoba
Agriculture**

**WFTEST:
The Western Forage
Testing System
Report
2003**



**Agriculture and
Agri-Food Canada**

**University of
Manitoba**

**Canadian
Seed Trade Association**

*** Please Note ***

Some trials in this report have been tested for shorter periods of time than others. It is advised not to use either average yield figures and/or percent of check values to make cultivar comparisons for single-year data. Only after a **minimum** of three 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 Variation (ANOVA). Least significant difference (LSD) values are presented at the bottom of each table when statistically significant differences are present using the 5% level of significance. This means there is a 95% probability that you can reject the hypothesis that the treatments are the same or 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.

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WFTEST: The Western Forage Testing System

1. **Introduction**

The Western Forage Testing System (WFTEST) was developed in 1994 to coordinate the testing for registration and performance of forage cultivars across Alberta, Saskatchewan and Manitoba.

The goals of this system are:

- To streamline and coordinate the registration and performance evaluation process. The tests will provide sufficient data for simultaneous consideration for registration and/or performance listings in Alberta, Saskatchewan and Manitoba.
- To share the responsibility for forage testing among provinces, the federal government and the seed trade.
- To encourage as much data collection as possible and to ensure that the tests are uniform and the sites are inspected.

2. **Procedure for Entering Cultivars**

2.1 **Number of Cultivars**

The maximum number of entries to be tested per species per year is 25, including check varieties. If there are too many entries in a given year, only three entries per applicant will be accepted.

2.2 **Deadline for Application**

The WFTest Coordinator must receive application forms by February 15 of the seeding year. Seed and payment must be received by March 15. Two kilograms of seed are required.

2.3 **Application Form**

An application form is attached.

2.4 **Fees**

The fee for 13 core sites is \$3,900/entry. There will be flexibility in the core sites to accommodate species adaptability – for example, red clover or timothy would not necessarily be tested at sites in Area 1 (brown) or Area 2 (dark brown) agro-climatic zones and fees would be adjusted accordingly.

2.5 **WFTest Coordinator**

Henry Najda is the WFTest Coordinator – contact information on page 6.

3. General Information

3.1 Sites

a) Manitoba

Three core sites are designated in Manitoba:

- Arborg (black) Area 3
- Rosebank (black) Area 3
- St-Pierre-Jolys (black) Area 3

b) Saskatchewan

Four core sites are designated in Saskatchewan:

- Swift Current (brown) Area 1
- Saskatoon (dark brown) Area 2
- Melfort (black) Area 3
- Outlook (dark brown) Irrigation

Additional testing sites if supplementary funding is obtained:

- Netherhill (brown) Area 1
- Scott (dark brown) Area 2
- Canora (black) Area 3
- Nipawin (grey wooded) Area 4

c) Alberta

Six core sites will be designated in Alberta:

- Lacombe (black) Area 3
- Vegreville (black) Area 3
- Fort Kent (grey wooded) Area 4
- Westlock (grey wooded) Area 4
- Brooks (brown) Irrigation
- Lethbridge (dark brown) Irrigation

Additional testing sites to accommodate species adaptation to a particular soil zone:

- Brooks (brown) Area 1
- Oyen (brown) Area 1
- Lethbridge (dark brown) Area 2
- Falher (grey wooded - Peace Region) Area 5
- Bow Island (brown) Irrigation
- Taber (dark brown) Irrigation

WFTTEST SITES



3.2 Seeding Schedules

Species trials will be seeded annually if sufficient entries are received. Tests that fail to establish will be reseeded in the following year. Annual ryegrasses will be seeded annually for two successive seedings.

3.3 Experimental Design and Plot Management

Tests will be seeded in a randomized complete block design with a minimum of four replicates, a suggested minimum plot size of 6 m x 1 m and a suggested minimum harvest area of 5 sq. m. Sites will be managed according to the recommended practices for forage management in the region. The seeding rates will be based on provincial recommendations and will be calculated as pure live seeds per meter of row.

3.4 Check Varieties

The following list is subject to approval by provincial forage testing committees:

- ◆ Alfalfa: Beaver, AC Blue J, Rambler, Ranglander
- ◆ Birdsfoot trefoil: Leo
- ◆ Cicer milkvetch: Oxley
- ◆ Alsike clover: Aurora
- ◆ Red clover: Altaswede
- ◆ Sainfoin: Nova
- ◆ Yellow Sweetclover: Norgold
- ◆ White clover: California Ladino
- ◆ Smooth bromegrass: Carlton
- ◆ Meadow bromegrass: Fleet
- ◆ Creeping red fescue: Boreal
- ◆ Meadow fescue: Ensign
- ◆ Tall fescue: Courtenay
- ◆ Kentucky bluegrass: Troy
- ◆ Orchard grass: Kay
- ◆ Altai wildrye: Prairieland
- ◆ Russian wildrye: Swift
- ◆ Timothy: Climax
- ◆ Crested wheatgrass: Kirk
- ◆ Intermediate/Pubescent wheatgrass: Chief
- ◆ Northern wheatgrass: Elbee
- ◆ Slender wheatgrass: Revenue
- ◆ Streambank wheatgrass: Sodar
- ◆ Tall wheatgrass: Orbit
- ◆ Western wheatgrass: Walsh
- ◆ Perennial ryegrass: Norlea
- ◆ Westerwolds annual ryegrass: Aubade
- ◆ Italian ryegrass: Maris Ledger

The committee will update check varieties as necessary. However, data for a given entry will be compared to the same check throughout its evaluation.

4. Site Inspection

Members of the provincial forage cultivar registration subcommittees will visit all sites before the first harvest each year. Visits will be organized by WFTest members in each province and information reported immediately to the WFTest coordinator. Tests will be rated as: a) accepted, b) conditionally accepted (e.g. certain plots or replicates may not be harvested), or c) rejected.

A suggested forage trial assessment form is attached.

5. **Data Collection**

Forage harvests will be made for legumes at the beginning of bloom and for grasses at full heading. Forage yield data will be reported on a dry matter basis in kg/ha. The number of harvests will be determined by growth conditions at the test location. No harvests will be taken during a fall rest period, the dates of which will correspond to local climatic conditions.

Perennial species will be harvested for a minimum of three successive years, annual and biennial species will be harvested for a minimum of two successive years. All trial data will be reported and trial data with CV's of 20% or higher will be noted.

6. **Data Management**

Each province will be responsible for their trial data management and statistical analysis. Provincial representatives will annually forward trial data for entries eligible for registration to industry participants before provincial advisory committee meetings. Summarized data will be forwarded to the WFTest coordinator. Committee members and industry participants will receive a compiled annual report.

7. **Provincial Contacts**

For further information contact the WFTest Coordinator or one of the provincial contacts listed on page 6.

For information on varietal data prior to receiving the report, contact the respective provincial representative:

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Western Forage Testing Coordinating Committee

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Species and Origin of Entries in WFTesting System

Alfalfa 1999

1.	CW 4223	Cal/West
2.	CW 6408	
3.	C227	Rothwell Seeds
4.	C304 (WL 327)	
5.	4241	Interlake Forage Seed
6.	Pickseed 3030	Pickseed
7.	Pickseed 2065 MF	
8.	Gibraltar	
9.	R922	Proven
10.	R923	
11.	Geneva	
12.	ZG 9831	
13.	SL 9000	Seed-Link
14.	SL 9001 (Magnum V-Wet)	
15.	SL 9002	
16.	DS 9923 (Forecast 1001)	Brett-Young
17.	DS 9224	
18.	DS 9225	
19.	DS 9227 (HybriForce - 400)	
20.	DS 9228	
21.	DS 9229	
22.	Beaver	Check
23.	Anchor	
24.	Rambler	
25.	Barrier (Irr only)	

Alfalfa 2000

1.	CW 73038		Cal/West
2.	9603 (Renaissance)		Pickseed
3.	Pickseed 3008		
4.	54V54		Pioneer
5.	DS2000		Dyck Forages
6.	EX101		
7.	DS027-BY		Brett-Young
8.	DS028-BY		
9.	DS029-BY		
10.	DS030-BY		
11.	DS380-BY		
12.	DK124	(MB&SK)	Monsanto
13.	DK134 (134)	(MB&SK)	
14.	Cascadia ML	(AB)	Richardson Seed
15.	Beaver		Check
16.	AC Blue J		
17.	Rambler		
18.	Rangelander		

Alfalfa 2001

1.	LOSAP		Northstar
2.	NSO1M5		
3.	NSO1M7		
4.	NSO1DA		
5.	AC Longview		PrairieSeed
6.	StockWell		
7.	Starbuck		Pickseed
8.	Beaver		Check
9.	AC Blue J		
10.	Rambler		
11.	Rangelander		

Alfalfa 2002

1.	DS233		Brett-Young
2.	DS234		
3.	DS235		
4.	DS236		
5.	NS02CK		Northstar
6.	54Q25		Pioneer
7.	55V05		
8.	LRC 01CR		AAFC-Lethbridge
9.	Beaver		Check
10.	AC Blue J		
11.	Rambler		
12.	Rangelander		

Cicer Milkvetch 2002

1.	LRC 94-1		AAFC-Lethbridge
2.	Oxley		Check

Kentucky Bluegrass 1999

1.	KVER003		Norwegian CRI
2.	Troy		Check

Bromegrass 1999

1.	MB-A	Meadow	Pickseed
2.	Fleet		Check
3.	S-93561	Hybrid	AAFC Saskatoon
4.	LOBF9201	Smooth	Norwegian CRI
5.	LOBF9202		
6.	Carlton		Check

Bromegrass 2001

1.	95MD-2	Meadow	Proven
2.	Fleet		Check
3.	SFB 9001 (AC Rocket)	Smooth	Proven
4.	Carlton		Check

Tall Fescue 2001

1.	Maximize		Newfield Seeds
2.	Courtenay		Check

Orchard grass 2002

- | | | |
|----|--------------|-----------------|
| 1. | AC Killarney | AAFC-Brandon |
| 2. | SOG01 | AAFC-Lethbridge |
| 3. | Kay | Check |

Timothy 1999

- | | | |
|----|----------|---------------|
| 1. | GPTI8905 | Norwegian CRI |
| 2. | GPTI8906 | |
| 3. | Climax | Check |

Timothy 2000

- | | | |
|----|-----------------|----------------|
| 1. | Motim | Newfield Seeds |
| 2. | PBQX-1 (TimPro) | Pickseed |
| 3. | PCQX-39 | |
| 4. | BOR 94372 | Parsons |
| 5. | BOR 94374 | |
| 6. | Climax | Check |

Timothy 2001

- | | | |
|----|----------|-----------------|
| 1. | Barnee | Barenbrug USA |
| 2. | Bartimo | |
| 3. | Express | Northstar |
| 4. | Dolina | DLF - Trifolium |
| 5. | LPHL 458 | |
| 6. | Tundra | |
| 7. | Niklas | |
| 8. | Climax | Check |

Crested Wheatgrass 1999

- | | | |
|----|---------|-----------------------|
| 1. | Douglas | Utah State University |
| 2. | Vavilov | |
| 3. | Kirk | Check |

WFT ALFALFA 1999 ARBORG MB Area-3
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 23JUN03	CUT 2 02AUG03	CUT 3 .		
DS 9928	1757	1992	.	3749	104
GENEVA	1979	1750	.	3728	104
RAMBLER	1878	1813	.	3690	103
CW 4223	1839	1833	.	3672	102
DS 9925	1815	1845	.	3660	102
BEAVER	1896	1699	.	3595	100
GIBRALTAR	1853	1676	.	3528	98
MAGNUM V-WET	1861	1661	.	3522	98
DS 9929	1834	1687	.	3521	98
ANCHOR	2080	1437	.	3517	98
FORECAST 1001	1755	1726	.	3481	97
ZG 9831	1942	1481	.	3423	95
PICKSEED 2065MF	1731	1657	.	3388	94
PICKSEED 3030	1753	1608	.	3361	93
SL 9902	1801	1530	.	3331	93
HYBRIFORCE 400	1872	1420	.	3292	92
R922	1771	1496	.	3266	91
CW 6408	1654	1589	.	3243	90
SL 9900	1736	1501	.	3237	90
WL 327	1818	1358	.	3176	88
R923	1638	1535	.	3173	88
DS 9924	2019	1552	.	3159	88
4241	1502	1638	.	3140	87
C227	1984	1397	.	2981	83
Mean	1824	1620	.	3410	
CV (%)	15.0	19.0	.	16.0	
LSD (0.05)	391	430	.	766	

WFT ALFALFA 1999 NEEPAWA MB Area-3
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 03JUL03	CUT 2 .	CUT 3 .		
MAGNUM V-WET	7150	.	.	7150	110
ANCHOR	7028	.	.	7028	108
RAMBLER	6989	.	.	6989	107
DS 9929	6985	.	.	6985	107
CW 6408	6926	.	.	6926	106
SL 9902	6728	.	.	6728	103
HYBRIFORCE 400	6670	.	.	6670	102
DS 9925	6601	.	.	6601	101
DS 9928	6588	.	.	6588	101
SL 9900	6579	.	.	6579	101
BEAVER	6526	.	.	6526	100
R923	6523	.	.	6523	100
PICKSEED 3030	6475	.	.	6475	99
R922	6360	.	.	6360	97
WL 327	6327	.	.	6327	97
DS 9924	6326	.	.	6326	97
GIBRALTAR	6246	.	.	6246	96
ZG 9831	6159	.	.	6159	94
GENEVA	6123	.	.	6123	94
C227	6085	.	.	6085	93
CW 4223	6031	.	.	6031	92
FORECAST 1001	5975	.	.	5975	92
4241	5900	.	.	5900	90
PICKSEED 2065MF	5855	.	.	5855	90
Mean	6465	.	.	6465	
CV (%)	8.4	.	.	8.4	
LSD (0.05)	766	.	.	766	

WFT ALFALFA 2000 LETHBRIDGE AB Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN03	CUT 2 29JUL03	CUT 3 .		
DS027-BY	5107	2095	.	7201	121
DS030-BY	4944	2227	.	7171	121
CW 73038	5099	1874	.	6973	117
PICKSEED 3008	4789	2146	.	6935	117
DS380-BY	4952	1756	.	6708	113
CASCADIA ML	4944	1632	.	6575	111
RENAISSANCE	5223	1286	.	6509	110
DS029-BY	5006	1492	.	6498	109
EX101	4843	1323	.	6166	104
DS028-BY	4866	1271	.	6138	103
BEAVER	4734	1205	.	5940	100
54V54	4214	1712	.	5927	100
AC BLUE J	4284	1389	.	5673	96
DS2000	4556	1080	.	5636	95
RANGELANDER	4416	669	.	5085	86
RAMBLER	4618	338	.	4956	83
Mean	4787	1468	.	6256	
*CV (%)	7.1	19.5	.	8.0	
LSD(0.05)	727	572	.	1100	

* square root transformation

WFT ALFALFA 2000 LACOMBE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN03	CUT 2 15AUG03	CUT 3 .		
RANGELANDER	3873	4518	.	8391	120
RAMBLER	4012	4236	.	8247	118
BEAVER	3226	3743	.	6969	100
DS2000	2628	2990	.	5618	81
DS028-BY	2507	2965	.	5472	79
54V54	2383	3040	.	5423	78
DS027-BY	2602	2764	.	5366	77
DS380-BY	1968	2781	.	4749	68
AC BLUE J	2082	2338	.	4420	63
RENAISSANCE	1834	2362	.	4196	60
DS030-BY	2062	1945	.	4007	57
CW 73038	1773	2157	.	3930	56
EX101	1801	2128	.	3929	56
CASCADIA ML	2052	1650	.	3702	53
DS029-BY	1720	1690	.	3410	49
PICKSEED 3008	1491	1151	.	2642	38
Mean	2404	2702	.	5106	
CV (%)	17.5	13.4	.	12.6	
LSD (0.05)	619	534	.	948	

WFT ALFALFA 2000 VEGREVILLE AB Area-3
(seeded 2001)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 06JUL03	CUT 2 .	CUT 3 .		
DS380-BY	5387	.	.	5387	133
RAMBLER	5378	.	.	5378	133
DS029-BY	5289	.	.	5289	131
DS027-BY	5156	.	.	5156	128
RANGELANDER	5036	.	.	5036	125
CW 73038	4781	.	.	4781	118
CASCADIA ML	4449	.	.	4449	110
DS030-BY	4376	.	.	4376	108
DS2000	4347	.	.	4347	108
AC BLUE J	4330	.	.	4330	107
PICKSEED 3008	4148	.	.	4148	103
54V54	4117	.	.	4117	102
DS028-BY	4089	.	.	4089	101
BEAVER	4043	.	.	4043	100
RENAISSANCE	3605	.	.	3605	89
EX101	3592	.	.	3592	89
Mean	4508	.	.	4508	
CV (%)	15.8	.	.	15.8	
LSD(0.05)	1014	.	.	1014	

WFT ALFALFA 2000 BOW ISLAND AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 17JUN03	CUT 2 29JUL03	CUT 3 11SEP03		
DS027-BY	6059	6779	5011	17849	121
DS030-BY	5680	6587	5394	17661	119
RENAISSANCE	5226	6639	5618	17483	118
DS029-BY	5439	6554	5288	17282	117
DS380-BY	5455	6763	5051	17269	117
EX101	5508	6400	5305	17213	116
AC BLUE J	5468	6601	4984	17053	115
PICKSEED 3008	5117	6743	5176	17036	115
CW 73038	5641	6488	4693	16822	114
DS028-BY	5760	6432	4609	16802	114
54V54	5400	6367	4626	16393	111
CASCADIA ML	4958	6277	4897	16131	109
DS2000	5334	5861	4487	15681	106
BEAVER	5197	5474	4122	14792	100
RAMBLER	5210	5250	3834	14294	97
RANGELANDER	5003	5139	3704	13846	94
Mean	5404	6272	4800	16475	
CV (%)	5.9	6.3	9.5	5.5	
LSD (0.05)	453	563	650	1298	

WFT ALFALFA 2000 BROOKS AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 18JUN03	CUT 2 30JUL03	CUT 3 26SEP03		
DS380-BY	5481	5363	6241	17085	118
DS027-BY	5739	5585	5688	17012	118
DS030-BY	5459	5652	5839	16949	117
CASCADIA ML	5414	5227	6050	16691	116
54V54	5515	5550	5604	16668	115
DS029-BY	5408	5458	5750	16617	115
CW 73038	5371	5393	5784	16548	115
DS028-BY	5576	5425	5379	16380	113
RENAISSANCE	5152	5243	5951	16345	113
PICKSEED 3008	5207	5436	5643	16287	113
EX101	5318	5244	5673	16234	112
DS2000	5228	5290	5171	15689	109
AC BLUE J	4900	4963	5805	15668	108
BEAVER	5067	4645	4734	14446	100
RAMBLER	5136	4228	4632	13996	97
RANGELANDER	5114	4365	4317	13797	96
Mean	5318	5192	5516	16026	
CV (%)	6.8	6.5	6.7	5.1	
LSD (0.05)	NS	481	526	1155	

WFT ALFALFA 2000 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 27JUN03	CUT 2 30JUL03	CUT 3 30SEP03		
EX101	6129	3723	2221	12073	134
PICKSEED 3008	5924	3597	2342	11863	132
CW 73038	5988	3640	2127	11756	131
DS030-BY	6174	3361	2201	11735	130
DS380-BY	5924	3481	2227	11633	129
DS027-BY	5739	3849	1973	11561	128
DS029-BY	5918	3410	2120	11448	127
54V54	5758	3542	1858	11159	124
RENAISSANCE	5554	3207	2214	10975	122
DS028-BY	5586	3355	1926	10867	121
AC BLUE J	5388	3251	1677	10316	115
CASCADIA ML	5094	3098	1899	10090	112
DS2000	5426	3098	1409	9933	110
BEAVER	5356	2621	1027	9003	100
RAMBLER	4876	2456	658	7990	89
RANGELANDER	4857	2199	550	7606	84
Mean	5606	3243	1777	10625	
CV (%)	11.4	10.2	20.1	9.5	
LSD (0.05)	676	349	376	1069	

WFT ALFALFA 2000 NETHERHILL SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 19JUN03	CUT 2 .	CUT 3 .		
RAMBLER	2619	.	.	2619	116
RANGELANDER	2571	.	.	2571	113
DS380-BY	2503	.	.	2503	110
DK124	2346	.	.	2346	103
DS028-BY	2269	.	.	2269	100
BEAVER	2267	.	.	2267	100
DS027-BY	2252	.	.	2252	99
CW 73038	2178	.	.	2178	96
DS030-BY	2162	.	.	2162	95
54V54	2159	.	.	2159	95
DS029-BY	2153	.	.	2153	95
RENAISSANCE	2050	.	.	2050	90
EX101	2040	.	.	2040	90
DS2000	1996	.	.	1996	88
134	1955	.	.	1955	86
PICKSEED 3008	1908	.	.	1908	84
AC BLUE J	1803	.	.	1803	80
Mean	2190	.	.	2190	
CV (%)	10.0	.	.	10.0	
LSD (0.05)	318	.	.	318	

WFT ALFALFA 2000 SWIFT CURRENT SK Area-1
(seeded 2001)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 10JUL03	CUT 2 .	CUT 3 .		
DS2000	1996	.	.	1996	102
RAMBLER	1966	.	.	1966	101
BEAVER	1950	.	.	1950	100
RANGELANDER	1846	.	.	1846	95
DS030-BY	1695	.	.	1695	87
DS027-BY	1644	.	.	1644	84
DS028-BY	1640	.	.	1640	84
DS380-BY	1567	.	.	1567	80
134	1454	.	.	1454	75
DS029-BY	1449	.	.	1449	74
54V54	1434	.	.	1434	74
EX101	1368	.	.	1368	70
AC BLUE J	1250	.	.	1250	64
CW 73038	1227	.	.	1227	63
DK124	1219	.	.	1219	63
PICKSEED 3008	1021	.	.	1021	52
RENAISSANCE	992	.	.	992	51
Mean	1535	.	.	1535	
CV (%)	19.6	.	.	19.6	
LSD (0.05)	426	.	.	426	

WFT ALFALFA 2000 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 16JUN03	CUT 2 13AUG03	CUT 3 .		
DS030-BY	4697	3144	.	7841	122
DS027-BY	4444	3008	.	7451	116
DS380-BY	4424	3015	.	7439	116
RANGELANDER	4648	2649	.	7296	113
DS2000	4424	2852	.	7276	113
PICKSEED 3008	4213	2967	.	7179	112
54V54	4380	2775	.	7154	111
RAMBLER	4327	2635	.	6962	108
DS029-BY	4099	2782	.	6881	107
RENAISSANCE	4046	2785	.	6830	106
DS028-BY	4185	2523	.	6708	104
DK124	4016	2623	.	6639	103
134	3696	2900	.	6597	103
CW 73038	3837	2736	.	6572	102
EX101	3681	2868	.	6550	102
BEAVER	3851	2578	.	6430	100
AC BLUE J	3855	2471	.	6326	98
Mean	4166	2783	.	6949	
CV (%)	10.2	11.3	.	9.2	
LSD (0.05)	602	448	.	908	

WFT ALFALFA 2000 CANORA SK Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN03	CUT 2 31JUL03	CUT 3 .		
DS027-BY	2828	2109	.	4937	116
RANGELANDER	3184	1532	.	4716	111
DS380-BY	2608	1975	.	4583	107
54V54	2586	1865	.	4452	104
DS028-BY	2673	1754	.	4427	104
CW 73038	2426	1953	.	4379	103
134	2333	1937	.	4271	100
BEAVER	2646	1618	.	4264	100
DS030-BY	2373	1858	.	4231	99
DS029-BY	2276	1802	.	4078	96
EX101	2155	1710	.	3865	91
DS2000	2414	1394	.	3809	89
RENAISSANCE	2063	1731	.	3794	89
RAMBLER	2553	1215	.	3768	88
AC BLUE J	2016	1610	.	3626	85
DK124	1948	1598	.	3546	83
PICKSEED 3008	1335	1253	.	2588	61
Mean	2377	1701	.	4078	
CV (%)	19.0	20.0	.	19.0	
LSD (0.05)	638	493	.	1086	

WFT ALFALFA 2000 NIPAWIN SK Area-4

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 03JUL03	CUT 2 05AUG03	CUT 3 .		
DS028-BY	6351	2781	.	9132	113
RAMBLER	5868	2376	.	8244	102
RANGELANDER	5801	2338	.	8139	101
DS380-BY	5769	2348	.	8116	100
BEAVER	5606	2477	.	8082	100
EX101	5471	2237	.	7708	95
54V54	4988	2688	.	7676	95
CW 73038	5365	2310	.	7675	95
DS027-BY	5096	2330	.	7426	92
DS029-BY	5336	1772	.	7108	88
134	4787	2143	.	6930	86
DS030-BY	5018	1875	.	6893	85
DS2000	5012	1850	.	6862	85
AC BLUE J	4399	1702	.	6101	75
RENAISSANCE	4150	1744	.	5895	73
DK124	4003	1733	.	5736	71
PICKSEED 3008	3528	1116	.	4644	57
Mean	5091	2107	.	7198	
CV (%)	22.0	21.0	.	22.0	
LSD (0.05)	1587	637	.	2213	

* Please note trial CV over 20 % *

WFT ALFALFA 2000 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 25JUN03	CUT 2 28JUL03	CUT 3 28AUG03		
54V54	5086	4753	3599	13438	110
AC BLUE J	4427	4371	4415	13212	108
DS028-BY	5593	4821	3870	13079	107
DS029-BY	4539	4522	3723	12783	105
CW 73038	5064	4367	3327	12758	105
134	4981	4101	3657	12740	105
RENAISSANCE	5551	4232	3596	12480	102
EX101	4702	4239	3463	12404	102
PICKSEED 3008	4208	3741	4395	12344	101
DK124	5082	4062	3195	12338	101
DS2000	4582	3283	4355	12220	100
BEAVER	4356	3918	3905	12179	100
RANGELANDER	4463	3531	4160	12154	100
DS030-BY	5200	5107	3093	12123	100
DS027-BY	4784	5229	3402	12108	99
DS380-BY	4976	4086	3961	12002	99
RAMBLER	4423	3092	4304	11819	97
Mean	4824	4165	3792	12481	
CV (%)	16.4	19.1	23.1	16.1	
LSD (0.05)	1127	1134	1244	2856	

WFT ALFALFA 2000 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 23JUN03	CUT 2 02AUG03	CUT 3 .		
RAMBLER	2052	1651	.	3705	104
EX101	1994	1645	.	3639	102
54V54	1865	1722	.	3586	101
RANGELANDER	1977	1594	.	3571	100
BEAVER	2095	1462	.	3556	100
DS028-BY	2120	1424	.	3543	100
DS380-BY	2147	1293	.	3439	97
RENAISSANCE	2031	1399	.	3430	96
DS030-BY	1995	1399	.	3393	95
DS2000	2031	1765	.	3366	95
DS027-BY	1890	1474	.	3364	95
DS029-BY	1925	1410	.	3336	94
AC BLUE J	2135	1172	.	3307	93
CW 73038	1909	1840	.	3296	93
DK124	1801	1424	.	3225	91
PICKSEED 3008	1849	1172	.	3021	85
134	1914	1095	.	3009	85
Mean	1984	1467	.	3399	
CV (%)	14.3	15.5	.	17.1	
LSD (0.05)	404	323	.	827	

WFT ALFALFA 2000 NEEPAWA MB Area-4

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 02JUL03	CUT 2	CUT 3		
DS030-BY	7522	.	.	7522	112
DS380-BY	7522	.	.	7522	112
RAMBLER	7171	.	.	7171	106
54V54	7120	.	.	7120	106
CW 73038	7040	.	.	7040	104
DS028-BY	7035	.	.	7035	104
134	6943	.	.	6943	103
RANGELANDER	6869	.	.	6869	102
DS2000	6813	.	.	6813	101
DS027-BY	6796	.	.	6796	101
DK124	6789	.	.	6789	101
BEAVER	6739	.	.	6739	100
RENAISSANCE	6734	.	.	6734	100
AC BLUE J	6704	.	.	6704	99
DS029-BY	6642	.	.	6642	99
EX101	6623	.	.	6623	98
PICKSEED 3008	6108	.	.	6108	91
Mean	6842	.	.	6842	
CV (%)	6.7	.	.	6.7	
LSD (0.05)	655	.	.	655	

WFT ALFALFA 2000 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 05JUL03	CUT 2 15AUG03	CUT 3 .		
PICKSEED 3008	4209	3052	.	7260	105
54V54	3993	3216	.	7208	104
DS028-BY	4113	3094	.	7207	104
DS027-BY	3961	3173	.	7173	103
DS380-BY	3959	3145	.	7103	102
DS2000	4083	3011	.	7093	102
CW 73038	4109	2977	.	7085	102
134	4007	3056	.	7062	102
BEAVER	4033	2914	.	6947	100
RENAISSANCE	4010	2924	.	6934	100
EX101	3831	3076	.	6906	99
DK124	3813	3061	.	6874	99
AC BLUE J	4200	2654	.	6854	99
DS030-BY	3844	2881	.	6724	97
RANGELANDER	4091	2608	.	6699	96
RAMBLER	3987	2674	.	6661	96
DS029-BY	3681	2693	.	6374	92
Mean	3995	2953	.	6948	
CV (%)	11.8	11.1	.	8.8	
LSD (0.05)	668	468	.	873	

WFT ALFALFA 2001 LETHBRIDGE AB Area-2
(seeded 2002)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN03	CUT 2 29JUL03	CUT 3 02OCT03		
DK124	7004	3212	1626	11842	136
AC BLUE J	5690	3610	2144	11443	132
NSO1DA	5533	3335	2028	10895	125
AC BRADOR	5891	3059	1816	10767	124
STOCKWELL	5018	3710	1996	10723	123
AC LONGVIEW	5981	3197	1542	10720	123
PICKSEED 8925MF	5831	3304	1140	10276	118
134	4555	3801	1859	10215	118
STARBUCK	5249	2945	1647	9841	113
MILLENNIUM	5570	3251	898	9718	112
LOSAP	4943	2623	2028	9594	110
NSO1M5	5301	2547	1394	9242	106
ULTRASTAR	4973	2646	1320	8939	103
NSO1M7	5115	2379	1246	8739	101
BEAVER	5279	2784	623	8686	100
RAMBLER	5301	2256	1077	8635	99
RANGELANDER	5152	1912	623	7687	88
Mean	5434	2975	1471	9880	
*CV(%)	10.3	13.3	17.9	9.0	
LSD(0.05)	1212	833	634	2014	

* square root transformation

WFT ALFALFA 2001 LACOMBE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN03	CUT 2 18AUG03	CUT 3 .		
RAMBLER	4541	4914	.	9455	118
RANGELANDER	4212	4123	.	8335	104
BEAVER	3663	4334	.	7997	100
AC BLUE J	2518	3106	.	5624	70
AC LONGVIEW	2339	3282	.	5620	70
STOCKWELL	2049	3241	.	5290	66
STARBUCK	1993	3016	.	5010	63
NSO1M5	1613	2654	.	4267	53
NSO1M7	1092	1932	.	3024	38
NSO1DA	807	1920	.	2727	34
LOSAP	714	1428	.	2142	27
Mean	2322	3086	.	5408	
CV (%)	18.6	16.6	.	14.3	
LSD (0.05)	625	738	.	1118	

WFT ALFALFA 2001 VEGREVILLE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 04JUL03	CUT 2 29SEP03	CUT 3 .		
RAMBLER	6898	4201	.	11099	113
RANGELANDER	6603	3461	.	10064	102
BEAVER	6637	3204	.	9841	100
AC LONGVIEW	5914	3551	.	9465	96
NSO1DA	5824	3306	.	9130	93
STOCKWELL	5709	2776	.	8485	86
AC BLUE J	5222	2719	.	7941	81
NSO1M7	4999	2616	.	7614	77
NSO1M5	4804	2434	.	7238	74
STARBUCK	4519	2576	.	7095	72
LOSAP	4569	2072	.	6641	67
Mean	5609	2992	.	8601	
CV (%)	14.0	33.0	.	18.7	
LSD (0.05)	1136	NS	.	2328	

WFT ALFALFA 2001 BROOKS AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 18JUN03	CUT 2 30JUL03	CUT 3 25SEP03		
AC BLUE J	6011	6197	6339	18547	107
AC LONGVIEW	6237	6095	6101	18434	106
NSO1DA	5495	6568	6126	18189	105
BEAVER	5695	5937	5706	17338	100
STARBUCK	5617	5847	5656	17121	99
STOCKWELL	5171	5761	5949	16881	97
NSO1M5	5648	5841	5350	16838	97
RAMBLER	5789	5890	5120	16799	97
RANGELANDER	6049	5628	5057	16734	97
NSO1M7	5273	5538	5181	15991	92
LOSAP	4302	5495	5597	15394	89
Mean	5572	5891	5653	17115	
CV (%)	8.7	9.6	6.5	6.5	
LSD (0.05)	699	NS	534	1610	

WFT ALFALFA 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 19JUN03	CUT 2 30JUL03	CUT 3 01OCT03		
NSO1DA	6653	5187	3400	15240	111
AC LONGVIEW	6799	4627	3168	14593	106
STARBUCK	6557	4964	3048	14569	106
STOCKWELL	6321	4810	3259	14390	105
BEAVER	6232	4752	2730	13715	100
NSO1M7	6111	4249	2773	13133	96
NSO1M5	5907	4415	2766	13088	95
AC BLUE J	6015	4484	2462	12961	95
LOSAP	5678	4255	3005	12938	94
RAMBLER	5913	3900	2088	11902	87
RANGELANDER	5856	3900	2004	11760	86
Mean	6186	4504	2791	13481	
CV (%)	8.7	6.5	14.1	6.6	
LSD (0.05)	575	312	418	953	

WFT ALFALFA 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 10JUL03	CUT 2 .	CUT 3 .		
RANGELANDER	1258	.	.	1258	104
BEAVER	1212	.	.	1212	100
AC LONGVIEW	1177	.	.	1177	97
STOCKWELL	1159	.	.	1159	96
NSO1M5	1142	.	.	1142	94
AC BLUE J	1095	.	.	1095	90
RAMBLER	1087	.	.	1087	90
NSO1M7	953	.	.	953	79
STARBUCK	917	.	.	917	76
NSO1DA	877	.	.	877	72
LOSAP	529	.	.	529	44
Mean	1077	.	.	1077	
CV (%)	38.8	.	.	38.8	
LSD (0.05)	NS	.	.	NS	

* Please note trial CV over 20 % *

WFT ALFALFA 2001 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 20JUN03	CUT 2 13AUG03	CUT 3 .		
RAMBLER	3368	2427	.	5795	107
STARBUCK	3107	2477	.	5584	103
AC LONGVIEW	2940	2594	.	5534	102
RANGELANDER	3181	2301	.	5482	101
BEAVER	3019	2397	.	5416	100
STOCKWELL	2832	2492	.	5323	98
NSO1M5	2476	2175	.	4651	86
NSO1M7	2555	1929	.	4484	83
NSO1DA	2367	2038	.	4405	81
AC BLUE J	2420	1971	.	4391	81
LOSAP	2179	1588	.	3767	70
Mean	2768	2217	.	4985	
CV (%)	13.6	18.7	.	14.8	
LSD (0.05)	546	599	.	1066	

WFT ALFALFA 2001 NIPAWIN SK Area-4

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 03JUL03	CUT 2 .	CUT 3 .		
RAMBLER	3133	.	.	3313	119
NSO1DA	3253	.	.	3253	117
LOSAP	3138	.	.	3138	113
STARBUCK	3025	.	.	3025	109
NSO1M7	2965	.	.	2965	106
NSO1M5	2964	.	.	2964	106
RANGELANDER	2831	.	.	2831	102
BEAVER	2788	.	.	2788	100
AC BLUE J	2727	.	.	2727	98
AC LONGVIEW	2717	.	.	2717	97
STOCKWELL	2465	.	.	2465	88
Mean	2909	.	.	2909	
CV (%)	16.0	.	.	16.0	
LSD (0.05)	672	.	.	672	

WFT ALFALFA 2001 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 25JUN03	CUT 2 28JUL03	CUT 3 28AUG03		
AC BLUE J	5705	5552	4141	15397	126
AC LONGVIEW	5741	5506	3873	15120	123
STARBUCK	5490	5464	3501	14454	118
STOCKWELL	5729	5351	3167	14246	116
NSO1M7	4929	5025	4028	13981	114
NSO1DA	5555	4739	3573	13867	113
NSO1M5	4984	4741	3183	12909	105
RAMBLER	5481	3967	3221	12669	103
RANGELANDER	5184	4252	3176	12611	103
BEAVER	5315	4477	3582	12255	100
LOSAP	4841	4239	3142	12222	100
Mean	5359	4855	3508	13612	
CV (%)	16.0	12.5	24.5	11.8	
LSD (0.05)	1240	878	1242	2334	

WFT ALFALFA 2001 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 23JUN03	CUT 2 02AUG03	CUT 3 .		
STARBUCK	2366	2281	.	4647	105
RANGELANDER	2617	1941	.	4558	103
NSO1M5	2332	2187	.	4519	103
RAMBLER	2527	1965	.	4492	102
AC LONGVIEW	2723	1749	.	4472	101
BEAVER	2577	1830	.	4406	100
NSO1DA	2352	1940	.	4292	97
AC BLUE J	2102	2004	.	4106	93
NSO1M7	1929	2168	.	4097	93
STOCKWELL	2555	1530	.	4085	93
LOSAP	1607	2101	.	3708	84
Mean	2335	1972	.	4307	
CV (%)	14.0	19.0	.	12.0	
LSD (0.05)	475	537	.	754	

WFT ALFALFA 2001 NEEPAWA MB Area-4

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 02JUL03	CUT 2 .	CUT 3 .		
AC LONGVIEW	7402	.	.	7402	105
STOCKWELL	7218	.	.	7218	102
BEAVER	7068	.	.	7068	100
AC BLUE J	6939	.	.	6939	98
RAMBLER	6789	.	.	6789	96
NSO1DA	6554	.	.	6554	93
RANGELANDER	6391	.	.	6391	90
NSO1M5	6336	.	.	6336	90
STARBUCK	6090	.	.	6090	86
NSO1M7	5911	.	.	5911	84
LOSAP	5437	.	.	5437	77
Mean	6558	.	.	6558	
CV (%)	7.8	.	.	7.8	
LSD (0.05)	734	.	.	734	

WFT ALFALFA 2001 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 05JUL03	CUT 2 15AUG03	CUT 3 .		
AC LONGVIEW	5613	3721	.	9335	103
BEAVER	5241	3786	.	9027	100
AC BLUE J	5372	3640	.	9012	100
STOCKWELL	5389	3619	.	9008	100
NSO1DA	5179	3623	.	8802	98
RANGELANDER	5200	3366	.	8566	95
NSO1M7	4845	3490	.	8335	92
NSO1M5	4890	3405	.	8294	92
STARBUCK	4728	3490	.	8218	91
LOSAP	4649	3524	.	8173	91
RAMBLER	4504	3422	.	7925	88
Mean	5055	3553	.	8608	
CV (%)	13.1	9.4	.	8.3	
LSD (0.05)	958	484	.	1037	

WFT ALFALFA 2002 LETHBRIDGE AB Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 21JUN03	CUT 2 29JUL03	CUT 3 .		
DS235	5035	3089	.	8124	106
DS234	4641	3296	.	7938	104
BEAVER	5133	2501	.	7634	100
55V05	4029	2460	.	6489	85
DS233	3644	2833	.	6476	85
54Q25	4105	2245	.	6349	83
RAMBLER	4709	1582	.	6291	82
NS02CK	4180	1764	.	5944	78
DS236	3704	2195	.	5899	77
AC BLUE J	3961	1830	.	5791	76
RANGELANDER	4135	1449	.	5584	73
LRC01CR	3878	1598	.	5476	72
Mean	4263	2237	.	6500	
*CV (%)	8.7	18.5	.	11.0	
LSD(0.05)	965	962	.	1677	

* square root transformation

WFT ALFALFA 2002 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 20JUN03	CUT 2 30JUL03	CUT 3 30SEP03		
DS234	5161	4815	4132	14108	128
54Q25	5376	5030	3635	14042	128
DS236	5135	4933	3758	13825	126
DS235	5199	4633	3705	13537	123
55V05	4888	4587	3958	13433	122
NS02CK	4660	4274	4045	12979	118
AC BLUE J	5173	4320	3261	12754	116
LRC01CR	5065	4268	3418	12751	116
DS233	4729	4261	3444	12435	113
RANGELANDER	5123	4164	2624	11910	108
RAMBLER	4818	4092	2520	11430	104
BEAVER	4755	3844	2398	10997	100
Mean	5007	4435	3408	12850	
CV (%)	9.4	9.0	10.4	7.2	
LSD(0.05)	563	480	424	1106	

WFT ALFALFA 2002 SWIFT CURRENT SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 07JUL03	CUT 2 .	CUT 3 .		
AC BLUE J	3060	.	.	3060	129
NS02CK	3059	.	.	3059	129
RANGELANDER	3005	.	.	3005	127
RAMBLER	2977	.	.	2977	125
DS235	2947	.	.	2947	124
54Q25	2892	.	.	2892	122
DS236	2817	.	.	2817	119
55V05	2768	.	.	2768	117
DS233	2697	.	.	2697	114
DS234	2684	.	.	2684	113
BEAVER	2374	.	.	2374	100
LRC01CR	2165	.	.	2165	91
Mean	2787	.	.	2787	
CV (%)	13.2	.	.	13.2	
LSD (0.05)	527	.	.	527	

WFT ALFALFA 2002 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 25JUN03	CUT 2 14AUG03	CUT 3 .		
BEAVER	2501	2000	.	4500	100
RANGELANDER	2105	1765	.	3869	86
54Q25	1919	1781	.	3699	82
RAMBLER	2052	1541	.	3593	80
DS235	1763	1812	.	3575	79
LRC01CR	1786	1787	.	3573	79
DS233	1852	1642	.	3476	77
55V05	1475	1731	.	3206	71
DS236	1505	1600	.	3105	69
AC BLUE J	1587	1508	.	3095	69
DS234	1515	1533	.	3047	68
NS02CK	1410	1603	.	3013	67
Mean	1789	1690	.	3479	
CV (%)	14.7	15.5	.	13.4	
LSD (0.05)	380	377	.	672	

WFT ALFALFA 2002 CANORA SK Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN03	CUT 2 31JUL03	CUT 3 .		
DS233	5529	2041	.	7570	127
54Q25	5227	2268	.	7494	125
DS236	5192	2026	.	7217	121
DS234	4859	2182	.	7041	118
LRC01CR	4974	1818	.	6792	114
DS235	4743	1925	.	6668	111
NS02CK	4531	2082	.	6613	111
55V05	3855	2362	.	6217	104
BEAVER	4313	1669	.	5982	100
RANGELANDER	4294	1313	.	5607	94
RAMBLER	4203	1376	.	5579	93
AC BLUE J	3576	1697	.	5272	88
Mean	4608	1896	.	6504	
CV (%)	18.0	16.0	.	16.0	
LSD (0.05)	1172	447	.	1516	

WFT ALFALFA 2002 SCOTT SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 07JUL03	CUT 2 .	CUT 3 .		
DS234	852	.	.	852	125
BEAVER	684	.	.	684	100
RAMBLER	645	.	.	645	94
55V05	627	.	.	627	92
DS236	613	.	.	613	90
RANGELANDER	599	.	.	599	88
54Q25	596	.	.	596	87
DS235	575	.	.	575	84
NS02CK	544	.	.	544	80
DS233	453	.	.	453	66
LRC01CR	453	.	.	453	66
AC BLUE J	402	.	.	402	59
Mean	591	.	.	591	
CV (%)	23.0	.	.	23.0	
LSD (0.05)	198	.	.	198	

* Please note trial CV over 20 % *

WFT ALFALFA 2002 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 25JUN03	CUT 2 28JUL03	CUT 3 28AUG03		
54Q25	4369	5046	4639	14054	110
DS236	4427	4862	4308	13597	107
DS233	4558	4644	4371	13573	107
DS235	4186	4771	4367	13324	105
AC BLUE J	4501	4970	3777	13248	104
DS234	4484	4464	4222	13170	103
RAMBLER	5212	4762	3054	13028	102
BEAVER	4910	4133	3689	12732	100
55V05	3997	4343	4246	12586	99
RANGELANDER	4801	4340	3441	12581	99
LRC01CR	4016	4413	3486	11915	94
NS02CK	4257	4171	3377	11805	93
Mean	4476	4576	3915	12968	
CV (%)	15.6	13.5	9.6	8.2	
LSD (0.05)	1008	888	541	1534	

WFT ALFALFA 2002 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 23JUN03	CUT 2 02AUG03	CUT 3 .		
AC BLUE J	2681	2271	.	4952	107
54Q25	2887	1984	.	4871	105
DS235	2674	2171	.	4844	105
NS02CK	2468	2177	.	4645	101
BEAVER	2742	1878	.	4620	100
RANGELANDER	2693	1889	.	4581	99
LRC01CR	2605	1917	.	4522	98
RAMBLER	2506	1996	.	4502	97
DS236	2503	1898	.	4400	95
55V05	2259	1988	.	4248	92
DS234	2293	1938	.	4231	92
DS233	2107	1942	.	4049	88
Mean	2535	2004	.	4538	
CV (%)	9.0	16.0	.	11.0	
LSD (0.05)	342	451	.	738	

WFT ALFALFA 2002 NEPPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 05JUL03	CUT 2 .	CUT 3 .		
BEAVER	8484	.	.	8484	100
RANGELANDER	8317	.	.	8317	98
RAMBLER	8131	.	.	8131	96
DS235	7761	.	.	7761	91
DS236	7744	.	.	7744	91
DS233	7508	.	.	7508	88
LRC01CR	7340	.	.	7340	87
NS02CK	7319	.	.	7319	86
AC BLUE J	6950	.	.	6950	82
55V05	6678	.	.	6678	79
54Q25	6580	.	.	6580	78
DS234	6446	.	.	6446	76
Mean	7438	.	.	7438	
CV (%)	12.2	.	.	12.2	
LSD (0.05)	1306	.	.	1306	

WFT ALFALFA 2002 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 05JUL03	CUT 2 15AUG03	CUT 3 .		
RANGELANDER	7022	3561	.	10583	107
DS235	6744	3725	.	10469	106
DS236	6400	4051	.	10451	106
RAMBLER	6558	3639	.	10197	103
AC BLUE J	6466	3694	.	10160	103
DS233	6674	3475	.	10149	103
LRC01CR	6516	3568	.	10084	102
DS234	6168	3833	.	10001	101
54Q25	6319	3627	.	9946	101
55V05	6245	3672	.	9917	100
BEAVER	6400	3478	.	9877	100
NS02CK	6523	3390	.	9007	91
Mean	6503	3643	.	10070	
CV (%)	10.4	9.7	.	9.9	
LSD (0.05)	976	510	.	1426	

WFT CICER MILKVETCH 2002 LETHBRIDGE AB Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF OXLEY
	CUT 1 20JUN03	CUT 2	CUT 3		
LRC94-1	3986	.	.	3986	113
OXLEY	3523	.	.	3523	100
Mean	3754	.	.	3754	
*CV(%)	15.3	.	.	15.3	

* square root transformation

WFT CICER MILKVETCH 2002 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF OXLEY
	CUT 1 25JUN03	CUT 2	CUT 3		
LRC94-1	541	.	.	541	168
OXLEY	322	.	.	322	100
Mean	431	.	.	431	
CV(%)	9.5	.	.	9.5	

WFT CICER MILKVETCH 2002 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF OXLEY
	CUT 1 28JUN03	CUT 2	CUT 3		
LRC94-1	2765	.	.	2765	118
OXLEY	2342	.	.	2342	100
Mean	2553	.	.	2553	
CV (%)	14.8	.	.	14.8	

WFT CICER MILKVETCH 2002 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF OXLEY
	CUT 1 05JUL03	CUT 2	CUT 3		
LRC94-1	3962	.	.	3962	102
OXLEY	3868	.	.	3868	100
Mean	3915	.	.	3915	
CV (%)	11.0	.	.	11.0	

WFT KENTUCKY BLUEGRASS 1999 NIPAWIN SK Area-4
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 03JUL03	CUT 2	CUT 3		
TROY	3578	.	.	3578	100
KVER003	2306	.	.	2306	64
Mean	2942	.	.	2942	
CV (%)	11.0	.	.	11.0	

WFT KENTUCKY BLUEGRASS 1999 NEEPAWA MB Area-3
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 03JUL03	CUT 2	CUT 3		
TROY	2593	.	.	2593	100
KVER003	1055	.	.	1055	41
Mean	1824	.	.	1824	
CV (%)	13.0	.	.	13.0	

WFT BROMEGRASS 1999 FALHER AB Area-5
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 27JUN03	CUT 2 25SEP03	CUT 3 .	TOTAL	
LOBF9202 (S)	5196	910	.	6106	112
LOBF9201 (S)	5133	779	.	5913	109
FLEET (M)	4321	1382	.	5703	105
MB-A (M)	4028	1544	.	5572	102
CARLTON (S)	4473	968	.	5441	100
S-93561 (H)	4343	907	.	5249	96
Mean	4582	1082	.	5664	
CV (%)	7.0	8.8	.	5.2	
LSD (0.05)	483	144	.	441	

WFT BROMEGRASS 1999 HIGH PRAIRIE AB Area-5
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 25JUN03	CUT 2 18SEP03	CUT 3 .	TOTAL	
LOBF9202 (S)	5013	1323	.	6336	137
LOBF9201 (S)	5058	1192	.	6250	135
FLEET (M)	3555	2109	.	5664	123
MB-A (M)	3075	2293	.	5368	116
S-93561 (H)	3898	1177	.	5075	110
CARLTON (S)	3680	940	.	4620	100
Mean	4047	1506	.	5552	
CV (%)	9.5	9.0	.	7.2	
LSD (0.05)	582	205	.	607	

H - HYBRID
M - MEADOW
S - SMOOTH

WFT SMOOTH BROMEGRASS 1999 ARBORG MB Area-3
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 28JUN03	CUT 2 .	CUT 3 .	TOTAL	
CARLTON (S)	1647	.	.	1647	100
FLEET (M)	1602	.	.	1602	97
S-93561 (H)	1490	.	.	1490	90
LOBF9201 (S)	1477	.	.	1477	90
MB-A (M)	1182	.	.	1182	72
LOBF9202 (S)	1165	.	.	1165	71
Mean	1427	.	.	1427	
CV (%)	18.0	.	.	18.0	
LSD (0.05)	387	.	.	387	

WFT SMOOTH BROMEGRASS 1999 NEEPAWA MB Area-3
(seeded 2000)

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 03JUL03	CUT 2 .	CUT 3 .	TOTAL	
CARLTON (S)	6701	.	.	6701	100
LOBF9201 (S)	6309	.	.	6309	94
LOBF9202 (S)	5689	.	.	5689	85
S-93561 (H)	5249	.	.	5249	78
FLEET (M)	2351	.	.	2351	35
MB-A (M)	2287	.	.	2287	34
Mean	4764	.	.	4764	
CV (%)	14.0	.	.	14.0	
LSD (0.05)	1001	.	.	1001	

H - HYBRID
M - MEADOW
S - SMOOTH

WFT BROMEGRASS 2001 LETHBRIDGE AB Area-2
(seeded 2002)

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 21JUN03	CUT 2 .	CUT 3 .	TOTAL	
FLEET (M)	8608	.	.	8608	101
CARLTON (S)	8510	.	.	8510	100
AC ROCKET (S)	7972	.	.	7972	94
95MD-2 (M)	6444	.	.	6444	76
Mean	7884	.	.	7884	
*CV (%)	8.0	.	.	8.0	
LSD (0.05)	1491	.	.	1491	

* square root transformation

WFT BROMEGRASS 2001 LACOMBE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 25JUN03	CUT 2 25SEP03	CUT 3 .	TOTAL	
CARLTON (S)	7905	1546	.	9451	100
AC ROCKET (S)	7455	1928	.	9384	99
FLEET (M)	7252	1589	.	8841	94
95MD-2 (M)	6579	1333	.	7912	84
Mean	7298	1599	.	8897	
CV (%)	9.5	19.8	.	8.6	
LSD (0.05)	NS	NS	.	NS	

WFT BROMEGRASS 2001 VEGREVILLE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 14JUL03	CUT 2 .	CUT 3 .	TOTAL	
AC ROCKET (S)	10675	.	.	10675	107
FLEET (M)	10562	.	.	10562	106
CARLTON (S)	9973	.	.	9973	100
95MD-2 (M)	9006	.	.	9006	90
Mean	10054	.	.	10054	
CV (%)	10.1	.	.	10.1	
LSD (0.05)	NS	.	.	NS	

M - MEADOW S - SMOOTH

WFT BROMEGRASS 2001 BROOKS AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 18JUN03	CUT 2 25SEP03	CUT 3 .		
AC ROCKET (S)	7901	8338	.	16239	114
CARLTON (S)	6477	7820	.	14298	100
95MD-2 (M)	6841	7183	.	14024	98
FLEET (M)	6312	6326	.	12639	88
Mean	6883	7417	.	14300	
CV (%)	12.3	9.3	.	8.3	
LSD (0.05)	NS	1101	.	1907	

WFT BROMEGRASS 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 17JUN03	CUT 2 21AUG03	CUT 3 .		
95MD-2 (M)	6723	2531	.	9254	105
CARLTON (S)	6790	2030	.	8819	100
FLEET (M)	6773	1762	.	8535	97
AC ROCKET (S)	6296	1938	.	8234	93
Mean	6645	2065	.	8711	
*CV (%)	7.4	14.6	.	5.3	
LSD (0.05)	1124	624	.	1063	

* square root transformation

M - MEADOW

S - SMOOTH

WFT SMOOTH BROMEGRASS 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 10JUL03	CUT 2	CUT 3		
CARLTON	3052	.	.	3052	100
AC ROCKET	2836	.	.	2836	93
Mean	2944	.	.	2944	
CV (%)	9.5	.	.	9.5	

WFT MEADOW BROMEGRASS 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 10JUL03	CUT 2	CUT 3		
FLEET	3032	.	.	3032	100
95MD-2	2919	.	.	2919	96
Mean	2975	.	.	2975	
CV (%)	9.1	.	.	9.1	

WFT SMOOTH BROMEGRASS 2001 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 20JUN03	CUT 2 19SEP03	CUT 3 .		
AC ROCKET	2846	374	.	3220	109
CARLTON	2632	335	.	2966	100
Mean	2739	354	.	3093	
CV (%)	12.8	27.2	.	11.7	

WFT MEADOW BROMEGRASS 2001 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 20JUN03	CUT 2 19SEP03	CUT 3 .		
FLEET	2761	433	.	3194	100
95MD-2	2805	381	.	3187	100
Mean	2783	407	.	3190	
CV (%)	8.6	19.1	.	9.6	

WFT MEADOW BROMEGRASS 2001 NIPAWIN SK Area-4
(seeded 2002)

CULTIVAR	2003 DM YIELD KG/HA				% OF CARLTON
	CUT 1 03JUL03	CUT 2 .	CUT 3 .	TOTAL	
95MD-2 (M)	2756	.	.	2756	149
FLEET (M)	2637	.	.	2637	143
AC ROCKET (S)	2605	.	.	2605	141
CARLTON (S)	1845	.	.	1845	100
Mean	2461	.	.	2461	
CV (%)	11.0	.	.	11.0	
LSD (0.05)	428	.	.	428	

M - MEADOW
S - SMOOTH

WFT SMOOTH BROMEGRASS 2001 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 25JUN03	CUT 2 28AUG03	CUT 3 .		
CARLTON	8893	8706	.	17599	100
AC ROCKET	9624	6273	.	15897	90
Mean	9258	7490	.	16748	
CV (%)	2.8	18.3	.	8.5	

WFT MEADOW BROMEGRASS 2001 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 25JUN03	CUT 2 28AUG03	CUT 3 .		
95MD-2	5826	8826	.	14688	101
FLEET	5501	9006	.	14507	100
Mean	5664	8934	.	14598	
CV (%)	5.8	15.9	.	11.3	

WFT SMOOTH BROMEGRASS 2001 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 28JUN03	CUT 2	CUT 3		
AC ROCKET	2688	.	.	2688	104
CARLTON	2579	.	.	2579	100
Mean	2634	.	.	2634	
CV (%)	4.5	.	.	4.5	

WFT MEADOW BROMEGRASS 2001 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 28JUN03	CUT 2	CUT 3		
FLEET	2281	.	.	2281	100
95MD-2	2121	.	.	2121	93
Mean	2201	.	.	2201	
CV (%)	4.1	.	.	4.1	

WFT SMOOTH BROMEGRASS 2001 NEEPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 03JUL03	CUT 2	CUT 3		
AC ROCKET	7556	.	.	7556	118
CARLTON	6403	.	.	6403	100
Mean	6979	.	.	6979	
CV (%)	3.8	.	.	3.8	

WFT MEADOW BROMEGRASS 2001 NEEPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 03JUL03	CUT 2	CUT 3		
95MD-2	4723	.	.	4723	101
FLEET	4676	.	.	4676	100
Mean	4700	.	.	4700	
CV (%)	12.6	.	.	12.6	

WFT SMOOTH BROMEGRASS 2001 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 06JUL03	CUT 2 .	CUT 3 .		
AC ROCKET	2567	.	.	2567	109
CARLTON	2350	.	.	2350	100
Mean	2459	.	.	2459	
CV (%)	14.4	.	.	14.4	

WFT MEADOW BROMEGRASS 2001 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 06JUL03	CUT 2 .	CUT 3 .		
FLEET	2075	.	.	2075	100
95MD-2	1951	.	.	1951	94
Mean	2013	.	.	2013	
CV (%)	13.4	.	.	13.4	

WFT TALL FESCUE 2001 LETHBRIDGE AB Area-2
(SEEDED 2002)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 21JUN03	CUT 2 .	CUT 3 .		
COURTENAY	5810	.	.	5810	100
MAXIMIZE	4097	.	.	4097	71
Mean	4953	.	.	4953	
*CV (%)	4.2	.	.	4.2	

* square root transformation

WFT TALL FESCUE 2001 LACOMBE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 25JUN03	CUT 2 25SEP03	CUT 3 .		
COURTENAY	2924	2578	.	5502	100
MAXIMIZE	1056	1326	.	2382	43
Mean	1990	1952	.	3942	
CV (%)	10.8	11.3	.	9.8	

WFT TALL FESCUE 2001 BROOKS AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 18JUN03	CUT 2 25SEP03	CUT 3 .		
COURTENAY	7411	12032	.	19443	100
MAXIMIZE	5560	9286	.	14847	76
Mean	6486	10659	.	17145	
CV (%)	9.6	13.6	.	10.8	

WFT TALL FESCUE 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 17JUN03	CUT 2 21AUG03	CUT 3 .		
COURTENAY	6155	2381	.	8535	100
MAXIMIZE	4269	1681	.	5960	70
Mean	5212	2031	.	7243	
CV (%)	19.0	20.5	.	12.5	

WFT TALL FESCUE 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 10JUL03	CUT 2	CUT 3		
COURTENAY	463	.	.	463	100
MAXIMIZE	335	.	.	335	72
Mean	399	.	.	399	
CV (%)	28.5	.	.	28.5	

* Please note trial CV over 20 % *

WFT TALL FESCUE 2001 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 20JUN03	CUT 2	CUT 3		
COURTENAY	952	.	.	952	100
MAXIMIZE	746	.	.	746	78
Mean	849	.	.	849	
CV (%)	39.0	.	.	39.0	

* Please note trial CV over 20 % *

WFT TALL FESCUE 2001 NEEPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 03JUL03	CUT 2 .	CUT 3 .		
COURTENAY	3291	.	.	3291	100
MAXIMIZE	1648	.	.	1648	50
Mean	2470	.	.	2470	
CV (%)	20.0	.	.	20.0	

WFT TALL FESCUE 2001 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 18JUL03	CUT 2 .	CUT 3 .		
COURTENAY	1516	.	.	1516	100
MAXIMIZE	1493	.	.	1493	98
Mean	1505	.	.	1505	
CV (%)	18.8	.	.	18.8	

WFT ORCHARD GRASS 2002 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 17JUN03	CUT 2 21AUG03	CUT 3 .		
SOG01	7796	2841	.	10637	115
AC KILLARNEY	6877	2569	.	9447	102
KAY	5888	3355	.	9243	100
Mean	6854	2922	.	9776	
*CV(%)	5.8	13.4	.	6.0	
LSD(0.05)	1100	987	.	1531	

* square root transformation

WFT ORCHARD GRASS 2002 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 25JUN03	CUT 2 19SEP03	CUT 3 .		
AC KILLARNEY	2965	545	.	3511	111
SOG01	2868	544	.	3413	108
KAY	2436	728	.	3164	100
Mean	2756	606	.	3362	
CV(%)	6.7	12.3	.	6.0	
LSD(0.05)	320	129	.	351	

WFT ORCHARD GRASS 2002 CANORA SK Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 26JUN03	CUT 2	CUT 3		
AC KILLARNEY	2466	.	.	2466	124
SOG01	2185	.	.	2185	110
KAY	1992	.	.	1992	100
Mean	2214	.	.	2214	
CV (%)	14.0	.	.	14.0	
LSD (0.05)	NS	.	.	NS	

WFT ORCHARD GRASS 2002 SCOTT SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 07JUL03	CUT 2	CUT 3		
AC KILLARNEY	853	.	.	853	121
KAY	707	.	.	707	100
SOG01	677	.	.	677	96
Mean	745	.	.	745	
CV (%)	14.0	.	.	14.0	
LSD (0.05)	NS	.	.	NS	

WFT ORCHARD GRASS 2002 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 25JUN03	CUT 2 28AUG03	CUT 3 .		
KAY	4837	8680	.	13517	100
SOG01	6074	6803	.	12876	95
AC KILLARNEY	5856	6632	.	12488	92
Mean	5589	7372	.	12960	
CV (%)	27.6	10.2	.	12.4	
LSD (0.05)	2671	1304	.	2796	

WFT ORCHARD GRASS 2002 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 02AUG03	CUT 2 .	CUT 3 .		
SOG01	2539	.	.	2539	115
KAY	2213	.	.	2213	100
AC KILLARNEY	2008	.	.	2008	91
Mean	2254	.	.	2254	
CV (%)	12.8	.	.	12.8	
LSD (0.05)	498	.	.	498	

WFT ORCHARD GRASS 2002 NEEPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 03JUL03	CUT 2	CUT 3		
SOG01	2731	.	.	2731	146
AC KILLARNEY	2259	.	.	2259	121
KAY	1866	.	.	1866	100
Mean	2285	.	.	2285	
CV (%)	19.4	.	.	19.4	
LSD (0.05)	NS	.	.	NS	

WFT ORCHARD GRASS 2002 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KAY
	CUT 1 18JUL03	CUT 2	CUT 3		
SOG01	1683	.	.	1683	102
KAY	1652	.	.	1652	100
AC KILLARNEY	1530	.	.	1530	93
Mean	1621	.	.	1621	
CV (%)	12.2	.	.	12.2	
LSD (0.05)	342	.	.	342	

WFT TIMOTHY 1999 NIPAWIN SK Area-4
(SEEDED 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL03	CUT 2	CUT 3		
GPTI8905	5057	.	.	5057	108
GPTI8906	4873	.	.	4873	104
CLIMAX	4681	.	.	4681	100
Mean	4870	.	.	4870	
CV (%)	4.0	.	.	4.0	
LSD (0.05)	315	.	.	315	

WFT TIMOTHY 1999 ARBORG MB Area-3
(SEEDED 2001)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 28JUN03	CUT 2	CUT 3		
GPTI8906	877	.	.	877	114
GPTI8905	871	.	.	871	114
BOR 72002	829	.	.	829	108
BOR 94301	819	.	.	819	107
JOLIETTE	802	.	.	802	105
CLIMAX	767	.	.	767	100
Mean	827	.	.	827	
CV (%)	14.0	.	.	14.0	
LSD (0.05)	175	.	.	175	

WFT TIMOTHY 1999 NEEPAWA MB Area-3
(SEEDED 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL03	CUT 2	CUT 3		
GPTI8905	2513	.	.	2513	106
CLIMAX	2362	.	.	2362	100
GPTI8906	2137	.	.	2137	90
Mean	2137	.	.	2137	
CV (%)	25.7	.	.	25.7	
LSD (0.05)	NS	.	.	NS	

* Please note trial CV over 20 % *

WFT TIMOTHY 1999 ST. PIERRE MB Area-3
(SEEDED 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 18JUL03	CUT 2	CUT 3		
GPTI8905	1293	.	.	1293	105
GPTI8906	1282	.	.	1282	104
CLIMAX	1234	.	.	1234	100
BOR 72002	1176	.	.	1176	95
BOR 94301	1147	.	.	1147	93
JOLIETTE	1075	.	.	1075	87
Mean	1201	.	.	1201	
CV (%)	22.6	.	.	22.6	
LSD (0.05)	409	.	.	409	

* Please note trial CV over 20 % *

WFT TIMOTHY 2000 LACOMBE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 08JUL03	CUT 2	CUT 3		
BOR 94374	6691	.	.	6691	116
BOR 94372	6666	.	.	6666	116
MOTIM	6149	.	.	6149	107
TIMPRO	5816	.	.	5816	101
CLIMAX	5750	.	.	5750	100
PCQX-39	5450	.	.	5450	95
Mean	6087	.	.	6087	
CV (%)	9.4	.	.	9.4	
LSD (0.05)	866	.	.	866	

WFT TIMOTHY 2000 VEGREVILLE AB Area-3
(SEEDED 2001)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 06JUL03	CUT 2	CUT 3		
PCQX-39	6125	.	.	6125	102
BOR 94372	6088	.	.	6088	101
CLIMAX	6023	.	.	6023	100
BOR 94374	5883	.	.	5883	98
TIMPRO	5718	.	.	5718	95
MOTIM	5646	.	.	5646	94
Mean	5914	.	.	5914	
CV (%)	7.6	.	.	7.6	
LSD (0.05)	NS	.	.	NS	

WFT TIMOTHY 2000 FALHER AB Area-5

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 15JUL03	CUT 2 .	CUT 3 .		
BOR 94374	5220	.	.	5220	124
GPTI8906	4449	.	.	4449	106
GPTI8905	4341	.	.	4341	103
BOR 94372	4266	.	.	4266	102
CLIMAX	4201	.	.	4201	100
AC OPAL	4176	.	.	4176	99
PCQX-39	4023	.	.	4023	96
MOTIM	3943	.	.	3943	94
TIMPRO	3391	.	.	3391	81
Mean	4242	.	.	4242	
CV (%)	15.7	.	.	15.7	
LSD (0.05)	NS	.	.	NS	

WFT TIMOTHY 2000 BROOKS AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 18JUN03	CUT 2 25SEP03	CUT 3 .		
BOR 94374	5721	4233	.	9954	117
BOR 94372	5823	4097	.	9920	116
PCQX-39	5647	3505	.	9152	107
MOTIM	5695	3393	.	9089	107
TIMPRO	5180	3800	.	8980	105
CLIMAX	4924	3599	.	8522	100
Mean	5498	3771	.	9270	
CV (%)	9.7	19.0	.	6.3	
LSD (0.05)	NS	NS	.	878	

WFT TIMOTHY 2000 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN03	CUT 2	CUT 3		
BOR 94374	5529	.	.	5529	157
BOR 94372	4918	.	.	4918	140
PCQX-39	4127	.	.	4127	117
MOTIM	3933	.	.	3933	112
CLIMAX	3523	.	.	3523	100
TIMPRO	2904	.	.	2904	82
Mean	4155	.	.	4155	
*CV (%)	6.7	.	.	6.7	
LSD(0.05)	597	.	.	597	

* square root transformation

WFT TIMOTHY 2000 SASKATOON SK Area-2
(SEEDED 2001)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 20JUN03	CUT 2	CUT 3		
BOR 94372	2382	.	.	2382	126
PCQX-39	2382	.	.	2382	126
TIMPRO	2148	.	.	2148	113
BOR 94374	2067	.	.	2067	109
CLIMAX	1898	.	.	1898	100
MOTIM	1693	.	.	1693	89
Mean	2095	.	.	2095	
CV (%)	16.0	.	.	16.0	
LSD(0.05)	503	.	.	503	

WFT TIMOTHY 2000 CANORA SK Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN03	CUT 2	CUT 3		
PCQX-39	1517	.	.	1517	107
TIMPRO	1436	.	.	1436	101
CLIMAX	1422	.	.	1422	100
BOR 94372	1293	.	.	1293	91
BOR 94374	1285	.	.	1285	90
MOTIM	718	.	.	718	50
Mean	1278	.	.	1278	
CV (%)	21.0	.	.	21.0	
LSD (0.05)	408	.	.	408	

* Please note trial CV over 20 % *

WFT TIMOTHY 2000 NIPAWIN SK Area-4

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL03	CUT 2	CUT 3		
BOR 94372	5549	.	.	5549	114
BOR 94374	5103	.	.	5103	105
CLIMAX	4879	.	.	4879	100
TIMPRO	4821	.	.	4821	99
PCQX-39	4754	.	.	4754	97
MOTIM	4403	.	.	4403	90
Mean	4918	.	.	4918	
CV (%)	9.0	.	.	9.0	
LSD (0.05)	648	.	.	648	

WFT TIMOTHY 2000 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN03	CUT 2 28AUG03	CUT 3 .		
TIMPRO	4915	3706	.	8621	110
PCQX-39	4666	3557	.	8223	105
BOR 94372	5548	2551	.	8099	104
CLIMAX	5220	2604	.	7824	100
BOR 94374	5597	2149	.	7745	99
MOTIM	4429	2654	.	7083	91
Mean	5062	2870	.	7932	
CV (%)	12.5	27.9	.	9.1	
LSD (0.05)	959	1210	.	1085	

WFT TIMOTHY 2000 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 28JUN03	CUT 2 .	CUT 3 .		
MOTIM	2089	.	.	2089	113
BOR 94372	1929	.	.	1929	104
BOR 94374	1928	.	.	1928	104
CLIMAX	1852	.	.	1852	100
PCQX-39	1823	.	.	1823	98
TIMPRO	1818	.	.	1818	98
Mean	1906	.	.	1906	
CV (%)	14.9	.	.	14.9	
LSD (0.05)	428	.	.	428	

WFT TIMOTHY 2000 NEEPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL03	CUT 2	CUT 3		
PCQX-39	1828	.	.	1828	143
MOTIM	1767	.	.	1767	138
BOR 94374	1617	.	.	1617	126
TIMPRO	1592	.	.	1592	124
BOR 94372	1284	.	.	1284	100
CLIMAX	1282	.	.	1282	100
Mean	1562	.	.	1562	
CV (%)	17.5	.	.	17.5	
LSD (0.05)	424	.	.	424	

WFT TIMOTHY 2000 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 18JUL03	CUT 2	CUT 3		
MOTIM	1896	.	.	1896	107
BOR 94374	1806	.	.	1806	102
BOR 94372	1785	.	.	1785	101
CLIMAX	1769	.	.	1769	100
PCQX-39	1640	.	.	1640	93
TIMPRO	1629	.	.	1629	92
Mean	1754	.	.	1754	
CV (%)	22.0	.	.	22.0	
LSD (0.05)	583	.	.	583	

* Please note trial CV over 20 % *

WFT TIMOTHY 2001 LACOMBE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 08JUL03	CUT 2	CUT 3		
CLIMAX	5627	.	.	5627	100
TUNDRA	5618	.	.	5618	100
LPHL 458	5548	.	.	5548	99
EXPRESS	5218	.	.	5218	93
DOLINA	5216	.	.	5216	93
BARTIMO	4951	.	.	4951	88
NIKLAS	3685	.	.	3685	65
BARNEE	1891	.	.	1891	34
Mean	4719	.	.	4719	
CV (%)	12.8	.	.	12.8	
LSD (0.05)	890	.	.	890	

WFT TIMOTHY 2001 VEGREVILLE AB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 04JUL03	CUT 2	CUT 3		
SAGUENAY	7398	.	.	7398	115
ALEXANDER	7042	.	.	7042	110
NIKLAS	6882	.	.	6882	107
EXPRESS	6859	.	.	6859	107
COLT	6783	.	.	6783	105
DOLINA	6755	.	.	6755	105
TUNDRA	6633	.	.	6633	103
JOLIETTE	6460	.	.	6460	100
CLIMAX	6430	.	.	6430	100
LPHL 458	6268	.	.	6268	97
BARTIMO	6182	.	.	6182	96
HOKUO	5996	.	.	5996	93
PROMESSE	5978	.	.	5978	93
BARNEE	5526	.	.	5526	86
Mean	6514	.	.	6514	
CV (%)	10.5	.	.	10.5	
LSD (0.05)	980	.	.	980	

WFT TIMOTHY 2001 BROOKS AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 18JUN03	CUT 2 25SEP03	CUT 3 .		
CLIMAX	8141	6621	.	14762	100
EXPRESS	7338	7333	.	14671	99
TUNDRA	7843	5965	.	13809	94
DOLINA	6781	6789	.	13569	92
LPHL 458	7764	5401	.	13164	89
NIKLAS	6178	5324	.	11502	78
BARTIMO	5856	5272	.	11128	75
BARNEE	5262	5361	.	10623	72
Mean	6895	6008	.	12904	
CV (%)	11.1	12.6	.	7.7	
LSD (0.05)	1129	1112	.	1463	

WFT TIMOTHY 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 20JUN03	CUT 2 21AUG03	CUT 3 .		
DOLINA	5370	2097	.	7467	118
NIKLAS	5548	1341	.	6889	109
CLIMAX	5067	1238	.	6305	100
EXPRESS	4711	1358	.	6069	96
TUNDRA	4773	1289	.	6062	96
LPHL 458	4657	1229	.	5886	93
BARNEE	3913	1745	.	5658	90
BARTIMO	4293	877	.	5169	82
Mean	4791	1397	.	6188	
*CV (%)	8.2	15.7	.	7.2	
LSD (0.05)	822	430	.	944	

* square root transformation

WFT TIMOTHY 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 10JUL03	CUT 2	CUT 3		
TUNDRA	1888	.	.	1888	104
NIKLAS	1849	.	.	1849	102
CLIMAX	1812	.	.	1812	100
EXPRESS	1779	.	.	1779	98
BARTIMO	1631	.	.	1631	90
LPHL 458	1627	.	.	1627	90
BARNEE	1601	.	.	1601	88
DOLINA	1599	.	.	1599	88
Mean	1723	.	.	1723	
CV (%)	17.1	.	.	17.1	
LSD (0.05)	NS	.	.	NS	

WFT TIMOTHY 2001 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 20JUN03	CUT 2	CUT 3		
LPHL 458	2069	.	.	2069	122
EXPRESS	1808	.	.	1808	106
DOLINA	1708	.	.	1708	100
CLIMAX	1701	.	.	1701	100
TUNDRA	1654	.	.	1654	97
NIKLAS	1546	.	.	1546	91
BARTIMO	1512	.	.	1512	89
BARNEE	772	.	.	772	45
Mean	1632	.	.	1632	
CV (%)	19.4	.	.	19.4	
LSD (0.05)	485	.	.	485	

WFT TIMOTHY 2001 NIPAWIN SK Area-4

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL03	CUT 2 .	CUT 3 .		
LPHL 458	3061	.	.	3061	112
NIKLAS	2932	.	.	2932	108
BARNEE	2885	.	.	2885	106
EXPRESS	2782	.	.	2782	102
BARTIMO	2773	.	.	2773	102
CLIMAX	2725	.	.	2725	100
DOLINA	2613	.	.	2613	96
TUNDRA	2556	.	.	2556	94
Mean	2791	.	.	2791	
CV (%)	8.0	.	.	8.0	
LSD (0.05)	381	.	.	381	

WFT TIMOTHY 2001 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN03	CUT 2 28AUG03	CUT 3 .		
EXPRESS	4328	5749	.	10077	119
DOLINA	5781	4102	.	9883	116
LPHL 458	5104	4127	.	9230	109
CLIMAX	5048	4600	.	8499	100
BARTIMO	4635	4761	.	8206	97
TUNDRA	4914	3888	.	7831	92
NIKLAS	3584	4001	.	7585	89
BARNEE	3632	3725	.	6425	76
Mean	4628	4387	.	8467	
CV (%)	11.7	31.0	.	27.8	
LSD (0.05)	799	2033	.	3468	

* Please note trial CV over 20 % *

WFT TIMOTHY 2001 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 28JUN02	CUT 2	CUT 3		
EXPRESS	1743	.	.	1743	114
BARTIMO	1535	.	.	1535	100
CLIMAX	1531	.	.	1531	100
LPHL 458	1451	.	.	1451	95
TUNDRA	1345	.	.	1345	88
DOLINA	1247	.	.	1247	81
NIKLAS	1231	.	.	1231	80
BARNEE	1214	.	.	1214	79
Mean	1412	.	.	1412	
CV (%)	21.8	.	.	21.8	
LSD (0.05)	455	.	.	455	

* Please note trial CV over 20 % *

WFT TIMOTHY 2001 NEEPAWA MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL03	CUT 2	CUT 3		
BARFLEO	3511	.	.	3511	140
TUNDRA	3038	.	.	3038	121
EXPRESS	2868	.	.	2868	115
CLIMAX	2503	.	.	2503	100
NIKLAS	2496	.	.	2496	100
DOLINA	2490	.	.	2490	99
BARTIMO	2282	.	.	2282	91
LPHL 458	2124	.	.	2124	85
BARNEE	1723	.	.	1723	69
Mean	2559	.	.	2559	
CV (%)	28.3	.	.	28.3	
LSD (0.05)	NS	.	.	NS	

* Please note trial CV over 20 % *

WFT TIMOTHY 2002 LETHBRIDGE AB Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 20JUN03	CUT 2 .	CUT 3 .		
CLIMAX	6286	.	.	6286	100
JONATON	6137	.	.	6137	98
45-214	5359	.	.	5359	85
NS02TY	4773	.	.	4773	76
CHARLTON	4485	.	.	4485	71
Mean	5408	.	.	5408	
CV (%)	10.9	.	.	10.9	
LSD (0.05)	1478	.	.	1478	

WFT TIMOTHY 2002 SASKATOON SK Area-2

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN03	CUT 2 19SEP03	CUT 3 .		
45-214	2908	1058	.	3966	112
NS02TY	2636	1322	.	3958	112
CLIMAX	2264	1275	.	3539	100
JONATON	2019	469	.	2488	70
CHARLTON	1113	954	.	2067	58
Mean	2188	1016	.	3203	
CV (%)	15.2	32.1	.	18.3	
LSD (0.05)	514	502	.	903	

WFT TIMOTHY 2002 OUTLOOK SK Area-IRR

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN03	CUT 2 28AUG03	CUT 3 .		
JONATON	7024	7365	.	14389	114
45-214	6223	6641	.	12864	102
CLIMAX	5722	6918	.	12641	100
NS02TY	5391	6268	.	11659	92
CHARLTON	5462	6167	.	11629	92
Mean	5964	6672	.	12636	
CV (%)	12.3	23.1	.	11.8	
LSD (0.05)	1137	2374	.	2313	

WFT TIMOTHY 2002 ARBORG MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 28JUN03	CUT 2 .	CUT 3 .		
JONATON	2006	.	.	2006	114
CHARLTON	1781	.	.	1781	101
CLIMAX	1760	.	.	1760	100
45-214	1610	.	.	1610	91
NS02TY	1524	.	.	1524	87
Mean	1736	.	.	1736	
CV (%)	12.7	.	.	12.7	
LSD (0.05)	344	.	.	344	

WFT CRESTED WHEATGRASS 1999 ARBORG MB Area-3
(SEEDED 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 28JUN03	CUT 2	CUT 3		
KIRK	1395	.	.	1395	100
VAVILOV	1321	.	.	1321	95
DOUGLAS	1216	.	.	1216	87
Mean	1311	.	.	1311	
CV (%)	13.3	.	.	13.3	
LSD (0.05)	303	.	.	303	

WFT CRESTED WHEATGRASS 1999 NEEPAWA MB Area-3
(SEEDED 2000)

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 03JUL03	CUT 2	CUT 3		
KIRK	7873	.	.	7873	100
VAVILOV	5898	.	.	5898	75
DOUGLAS	3405	.	.	3405	43
Mean	5725	.	.	5725	
CV (%)	7.8	.	.	7.8	
LSD (0.05)	777	.	.	777	

WFT CRESTED WHEATGRASS 1999 ST. PIERRE MB Area-3

CULTIVAR	2003 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 18JUL03	CUT 2	CUT 3		
VAVILOV	2310	.	.	2310	102
KIRK	2254	.	.	2254	100
DOUGLAS	1994	.	.	1994	88
AC GOLIATH	1883	.	.	1883	84
CD II	1531	.	.	1531	68
Mean	1994	.	.	1994	
CV (%)	14.5	.	.	14.5	
LSD (0.05)	445	.	.	445	

Summary WFT 1999 Alfalfa - Manitoba

(Arborg & Neepawa seeded 2000)

	Cultivar Mean Yield Summary (kg/ha)									
	3									
	ARBORG			NEEPAWA			ST. PIERRE			
	2001	2002	2003	2001	2002	2003	2000	2001	2002	
Cultivar										
4241	10,456	6,623	3,140	9,472	8,757	5,900	7,620	10,970	7,290	
ANCHOR	10,301	6,796	3,517	9,836	12,391	7,028	7,964	11,684	6,503	
BEAVER	10,559	6,698	3,595	10,878	11,212	6,526	8,522	9,753	6,946	
C227	11,429	6,815	2,981	10,865	10,358	6,085	8,545	10,851	6,901	
CW 4223	12,282	7,222	3,672	10,971	10,030	6,031	9,881	10,702	7,860	
CW 6408	10,778	6,921	3,243	8,073	9,804	6,926	9,373	10,989	7,668	
DS 9924	10,663	6,690	3,159	9,454	10,566	6,326	10,023	10,942	7,974	
DS 9925	11,754	7,121	3,660	10,022	11,561	6,601	8,004	10,689	7,432	
DS 9928	11,010	6,440	3,749	10,349	11,193	6,588	8,473	12,192	7,807	
DS 9929	10,488	6,726	3,521	9,986	11,790	6,985	9,224	10,778	7,555	
FORECAST 1001	11,546	7,111	3,481	8,808	10,152	5,975	9,214	9,914	7,291	
GENEVA	11,511	7,274	3,728	8,883	9,116	6,123	9,019	11,736	7,678	
GIBALTAR	11,165	6,661	3,528	11,050	10,167	6,246	9,860	11,583	7,776	
HYBRIFORCE 400	10,920	6,705	3,292	9,445	10,176	6,670	9,392	10,146	7,458	
MAGNUM V-WET	10,615	6,752	3,522	10,384	10,139	7,150	9,387	10,836	7,272	
PICKSEED 2065MF	10,188	6,813	3,388	10,416	10,217	5,855	8,612	10,874	6,908	
PICKSEED 3030	10,906	7,259	3,361	10,081	10,831	6,475	8,664	10,162	7,002	
R922	10,340	6,903	3,266	9,917	9,749	6,360	8,274	10,652	8,085	
R923	10,502	6,895	3,173	9,537	9,745	6,523	8,781	11,953	6,899	
RAMBLER	12,642	6,646	3,690	9,356	10,942	6,989	6,001	10,699	6,863	
SL 9900	10,614	6,357	3,237	8,022	10,351	6,579	9,474	11,874	7,518	
SL 9902	10,720	5,891	3,331	10,182	10,717	6,728	8,976	10,277	7,111	
WL 327	10,762	6,923	3,176	10,631	9,798	6,327	10,120	10,742	7,984	
ZG 9831	11,477	6,856	3,423	10,298	9,717	6,159	9,066	10,739	7,277	
CUTS	2	2	2	2	2	2	1	3	1	2
CV(%)	11.7	12.5	16.0	14.9	9.6	8.4	12.1	12.7	8.1	
Trial Mean (kg/ha)	10,984	6,796	3,410	9,871	10,395	6,465	8,853	10,906	7,339	

Summary WFT 1999 Alfalfa - Manitoba (Arborg & Neepawa seeded 2000)

	Yield as % of BEAVER									
	3									
	ARBORG			NEEPAWA			ST. PIERRE			
	2001	2002	2003	2001	2002	2003	2000	2001	2002	
Cultivar										
4241	99	99	87	87	78	90	89	112	105	
ANCHOR	98	101	98	90	111	108	93	120	94	
BEAVER	100	100	100	100	100	100	100	100	100	
C227	108	102	83	100	92	93	100	111	99	
CW 4223	116	108	102	101	89	92	116	110	113	
CW 6408	102	103	90	74	87	106	110	113	110	
DS 9924	101	100	88	87	94	97	118	112	115	
DS 9925	111	106	102	92	103	101	94	110	107	
DS 9928	104	96	104	95	100	101	99	125	112	
DS 9929	99	100	98	92	105	107	108	111	109	
FORECAST 1001	109	106	97	81	91	92	108	102	105	
GENEVA	109	109	104	82	81	94	106	120	111	
GIBALTAR	106	99	98	102	91	96	116	119	112	
HYBRIFORCE 400	103	100	92	87	91	102	110	104	107	
MAGNUM V-WET	101	101	98	95	90	110	110	111	105	
PICKSEED 2065MF	96	102	94	96	91	90	101	111	99	
PICKSEED 3030	103	108	93	93	97	99	102	104	101	
R922	98	103	91	91	87	97	97	109	116	
R923	99	103	88	88	87	100	103	123	99	
RAMBLER	120	99	103	86	98	107	70	110	99	
SL 9900	101	95	90	74	92	101	111	122	108	
SL 9902	102	88	93	94	96	103	105	105	102	
WL 327	102	103	88	98	87	97	119	110	115	
ZG 9831	109	102	95	95	87	94	106	110	105	
CUTS	2	2	2	2	2	1	3	1	2	
CV (%)	11.7	12.5	16.0	14.9	9.6	8.4	12.1	12.7	8.1	
BEAVER (kg/ha)	10559	6698	3595	10878	11212	6526	8522	9753	6946	

Summary WFT 2000 Alfalfa - Alberta (Vegreville seeded 2001)

Cultivar	Cultivar Mean Yield Summary (kg/ha)																	
	2			3						IRR								
	LETHBRIDGE			LACOMBE			VEGRE-VILLE	BOW ISLAND			BROOKS			LETHBRIDGE				
	2001	2002	2003	2001	2002	2003	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003		
54V54	2,934	5,522	5,927	7,967	9,872	5,423	4,117	14,124	14,256	16,393	16,218	15,385	16,668	9,993	7,182	11,159		
AC BLUE J	3,083	6,951	5,673	7,349	9,560	4,420	4,330	15,042	15,055	17,053	12,161	15,437	15,668	10,341	7,293	10,316		
BEAVER	3,564	6,787	5,940	8,463	7,468	6,969	4,043	15,488	14,160	14,792	14,517	14,053	14,446	9,505	6,765	9,003		
CASCADIA ML	3,440	7,037	6,575	7,580	8,803	3,702	4,449	16,391	14,674	16,131	15,657	14,402	16,691	8,645	6,865	10,090		
CW 73038	3,415	7,638	6,973	7,858	9,367	3,930	4,781	15,174	14,892	16,822	14,823	15,330	16,548	10,349	7,679	11,756		
DS027-BY	3,083	6,564	7,201	8,243	9,454	5,366	5,156	16,022	15,678	17,849	13,609	15,443	17,012	9,527	7,357	11,561		
DS028-BY	3,589	6,953	6,138	9,138	10,093	5,472	4,089	15,626	14,727	16,802	15,247	15,089	16,380	10,878	7,408	10,867		
DS029-BY	3,647	6,269	6,498	7,747	9,069	3,410	5,289	16,761	15,023	17,282	15,757	14,938	16,617	10,082	7,605	11,448		
DS030-BY	3,804	6,717	7,171	8,378	9,133	4,007	4,376	15,957	14,354	17,661	14,288	14,678	16,949	9,842	7,413	11,735		
DS2000	3,390	5,636	5,636	7,760	9,184	5,618	4,347	14,855	13,853	15,681	15,171	13,881	15,689	9,093	6,470	9,933		
DS380-BY	3,274	7,350	6,708	8,468	9,678	4,749	5,387	15,764	14,395	17,269	15,209	15,166	17,085	10,465	7,255	11,633		
EX101	2,743	5,013	6,166	8,923	9,199	3,929	3,592	16,236	14,674	17,213	13,849	15,021	16,234	10,814	7,649	12,073		
PICKSEED 3008	2,553	6,487	6,935	5,509	6,647	2,642	4,148	15,501	13,461	17,036	14,880	14,701	16,287	9,041	6,951	11,863		
RAMBLER	3,415	6,921	4,956	8,930	8,733	8,247	5,378	14,937	12,740	14,294	14,244	12,793	13,996	8,343	6,210	7,990		
RANGELANDER	3,531	6,567	5,085	7,777	8,559	8,391	5,036	14,187	12,646	13,846	14,477	12,743	13,797	8,327	6,336	7,606		
RENAISSANCE	3,365	6,963	6,509	8,351	9,744	4,196	3,605	17,996	15,548	17,483	13,830	15,356	16,345	10,348	7,441	10,975		
CUTS	1	2	2	3	3	2	1	3	3	3	3	3	3	3	2	3		
CV(%)	13.2	11.3	8.0	7.9	9.4	12.6	15.8	8.4	6.6	5.5	8.7	5.0	5.1	9.5	8.4	9.5		
Trial Mean (kg/ha)	3,302	6,586	6,256	8,028	9,035	5,106	4,508	15,629	14,383	16,475	14,621	14,651	16,026	9,725	7,117	10,625		

Note : Vegreville no 2001 harvest due to dry condition

Summary WFT 2000 Alfalfa - Alberta (Vegreville seeded 2001)

	Yield as % of BEAVER																	
	2			3						IRR								
	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003
Cultivar	82	81	100	94	132	78	102	91	101	111	112	109	115	105	106	124		
54V54	87	102	96	87	128	63	107	97	106	115	84	110	108	109	108	115		
AC BLUE J	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
BEAVER	97	104	111	90	118	53	110	106	104	109	108	102	116	91	101	112		
CASCADIA ML	96	113	117	93	125	56	118	98	105	114	102	109	115	109	114	131		
CW 73038	87	97	121	97	127	77	128	103	111	121	94	110	118	100	109	128		
DS027-BY	101	102	103	108	135	79	101	101	104	114	105	107	113	114	110	121		
DS028-BY	102	92	109	92	121	49	131	108	106	117	109	106	115	106	112	127		
DS029-BY	107	99	121	99	122	57	108	103	101	119	98	104	117	104	110	130		
DS030-BY	95	83	95	92	123	81	108	96	98	106	105	99	109	96	96	110		
DS2000	92	108	113	100	130	68	133	102	102	117	105	108	118	110	107	129		
DS380-BY	77	74	104	105	123	56	89	105	104	116	95	107	112	114	113	134		
EX101	72	96	117	65	89	38	103	100	95	115	102	105	113	95	103	132		
PICKSEED 3008	96	102	83	106	117	118	133	96	90	97	98	91	97	88	92	89		
RAMBLER	99	97	86	92	115	120	125	92	89	94	100	91	96	88	94	84		
RANGELANDER	94	103	110	99	130	60	89	116	110	118	95	109	113	109	110	122		
RENAISSANCE																		
CUTS	1	2	2	3	3	2	1	3	3	3	3	3	3	3	2	3		
CV(%)	13.2	11.3	8.0	7.9	9.4	12.6	15.8	8.4	6.6	5.5	8.7	5.0	5.1	9.5	8.4	9.5		
BEAVER (kg/ha)	3564	6787	5940	8462	7468	6969	4043	15488	14160	14792	14517	14053	14446	9505	6765	9003		

Note : Vegreville no 2001 harvest due to dry condition

Summary WFT 2000 Alfalfa - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)																			
	1			2			3			4			IRR							
	NETHERHILL						SWIFT CURRENT			SASKATOON			CANORA			NIPAWIN			OUTLOOK	
	2001	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003*	2001	2002	2003			
Cultivar	1,711	1,955	490	6,112	1,454	4,851	3,071	6,597	11,021	7,795	4,271	12,107	5,823	6,930	14,014	9,509	12,740			
134	1,371	2,159	526	5,283	1,434	4,752	3,667	7,154	9,688	7,518	4,452	11,912	5,274	7,676	13,175	10,156	13,438			
54V54	1,428	1,803	608	5,718	1,250	4,633	3,580	6,326	9,531	7,134	3,626	10,451	4,923	6,101	12,731	9,453	13,212			
AC BLUE J	1,759	2,267	636	6,383	1,950	5,322	3,094	6,430	9,175	7,114	4,264	10,848	6,119	8,082	12,781	9,804	12,179			
BEAVER	1,716	2,178	537	6,235	1,227	5,012	3,419	6,572	11,328	7,229	4,379	10,860	6,490	7,675	12,970	10,037	12,758			
CW 73038	2,116	2,346	695	5,547	1,219	4,819	3,189	6,639	10,567	7,042	3,546	10,010	4,442	5,736	14,067	10,659	12,338			
DK124	1,885	2,252	584	5,802	1,644	4,426	3,131	7,451	10,092	7,348	4,937	10,375	6,312	7,426	13,788	10,136	12,108			
DS027-BY	1,893	2,269	665	5,861	1,640	4,808	3,085	6,708	11,274	7,710	4,427	10,215	6,595	9,132	13,829	10,198	13,079			
DS029-BY	1,710	2,153	552	5,210	1,449	4,724	3,582	6,881	10,944	7,806	4,078	11,707	4,803	7,108	12,829	9,915	12,783			
DS030-BY	1,909	2,162	605	5,919	1,995	5,103	3,569	7,841	10,848	8,331	4,231	10,748	5,989	6,893	13,896	10,809	12,123			
DS2000	1,943	1,996	679	6,378	1,996	5,071	3,294	7,276	10,350	6,513	3,809	10,941	5,688	6,862	12,979	9,239	12,220			
DS380-BY	2,082	2,503	611	5,939	1,567	4,841	2,935	7,439	10,522	8,558	4,583	9,639	6,073	8,116	12,808	9,786	12,002			
EX101	2,021	2,040	691	5,787	1,368	4,761	3,310	6,550	9,711	7,695	3,865	9,814	5,598	7,708	13,170	10,415	12,404			
PICKSEED 3008	1,957	1,908	394	5,269	1,021	5,207	3,508	7,179	9,607	5,733	2,588	10,833	3,458	4,644	13,127	9,919	12,344			
RAMBLER	2,027	2,619	589	6,285	1,966	5,679	3,555	6,962	10,809	6,818	3,768	10,348	5,945	8,244	12,635	9,345	11,819			
RANGELANDER	2,178	2,571	644	5,968	1,846	5,083	3,599	7,296	10,216	7,328	4,716	10,212	6,648	8,139	13,308	8,723	12,154			
RENAISSANCE	1,795	2,050	672	5,020	992	4,895	3,650	6,830	10,933	8,019	3,794	10,679	5,067	5,895	14,028	9,767	12,480			
CUTS	1	1	1	2	1	2	1	2	2	2	2	2	1	2	3	3	3			
CV(%)	14.0	10.0	17.5	11.9	19.6	14.7	19.9	9.2	16.0	13.0	19.0	11.0	16.0	22.0	6.4	6.0	16.1			
Trial Mean (kg/ha)	1,853	2,190	601	5,836	1,535	4,940	3,367	6,949	10,389	7,394	4,078	10,688	5,603	7,198	13,279	9,875	12,481			

Note : Netherhill no 2002 harvest due to dry conditions

* Please note trial CV over 20 % *

Summary WFT 2000 Alfalfa - Saskatchewan

	Yield as % of BEAVER																
	1			2			3			4			IRR				
	NETHERHILL			SWIFT CURRENT			SASKATOON			CANORA			NIPAWIN			OUTLOOK	
	2001	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003*	2001	2002	2003
Cultivar																	
134	97	86	77	96	75	91	99	103	120	110	100	112	95	86	110	97	105
54V54	78	95	83	83	74	89	119	111	106	106	104	110	86	95	103	104	110
AC BLUE J	81	80	96	90	64	87	116	98	104	100	85	96	80	75	100	96	108
BEAVER	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
CW 73038	98	96	84	98	63	94	111	102	123	102	103	100	106	95	101	102	105
DK124	120	103	109	87	63	91	103	103	115	99	83	92	73	71	110	109	101
DS027-BY	107	99	92	91	84	83	101	116	110	103	116	96	103	92	108	103	99
DS028-BY	108	100	105	92	84	90	100	104	123	108	104	94	108	113	105	104	107
DS029-BY	97	95	87	82	74	89	116	107	119	110	96	108	78	88	100	101	105
DS030-BY	109	95	95	93	87	96	115	122	118	117	99	99	98	85	109	110	100
DS2000	110	88	107	100	102	95	106	113	113	92	89	101	93	85	102	94	100
DS380-BY	118	110	96	93	80	91	95	116	115	120	107	89	99	100	100	100	99
EX101	115	90	109	91	70	89	107	102	106	108	91	90	91	95	103	106	102
PICKSEED 3008	111	84	62	83	52	98	113	112	105	81	61	100	57	57	103	101	101
RAMBLER	115	116	93	98	101	107	115	108	118	96	88	95	97	102	99	95	97
RANGELANDER	124	113	101	93	95	96	116	113	111	103	111	94	109	101	104	89	100
RENAISSANCE	102	90	106	79	51	92	118	106	119	113	89	98	83	73	110	100	102
CUTS	1	1	1	2	1	2	1	2	2	2	2	2	1	2	3	3	3
CV(%)	14.0	10.0	17.5	11.9	19.6	14.7	19.9	9.2	16.0	13.0	19.0	11.0	16.0	22.0	6.4	6.0	16.1
BEAVER (kg/ha)	1759	2267	636	6383	1950	5322	3094	6430	9175	7114	4264	10848	6119	8082	12781	9804	12179

Note : Netherhill no 2002 harvest due to dry conditions

* Please note trial CV over 20 % *

Summary WFT 2000 Alfalfa - Manitoba

	Cultivar Mean Yield Summary (kg/ha)											
	3											
	ARBORG			NEEPAWA			ST. PIERRE					
	2001	2002	2003	2001	2002	2003	2001	2002	2003			
Cultivar												
134	10,616	7,208	3,009	9,526	9,916	6,943	11,402	8,064	7,062			
54V54	10,848	7,594	3,586	10,463	9,514	7,120	11,654	7,392	7,208			
AC BLUE J	10,456	6,893	3,307	10,448	9,797	6,704	12,244	6,969	6,854			
BEAVER	10,212	7,203	3,556	11,406	9,801	6,739	11,602	7,326	6,947			
CW 73038	10,025	7,568	3,296	8,971	10,338	7,040	11,943	7,478	7,085			
DK124	8,322	7,352	3,225	10,525	8,665	6,789	11,921	7,580	6,874			
DS027-BY	10,414	7,359	3,364	10,110	10,499	6,796	11,597	7,509	7,173			
DS028-BY	10,269	7,433	3,543	11,515	10,439	7,035	12,121	7,700	7,207			
DS029-BY	10,234	7,027	3,336	10,365	10,497	6,642	11,302	7,091	6,374			
DS030-BY	9,347	7,327	3,393	10,139	11,599	7,522	10,742	7,509	6,724			
DS2000	10,124	8,019	3,366	10,042	9,761	6,813	12,338	7,622	7,093			
DS380-BY	10,304	7,206	3,439	9,418	10,598	7,522	11,938	7,559	7,103			
EX101	10,954	7,689	3,639	10,308	9,132	6,623	11,693	7,150	6,906			
PICKSEED 3008	8,489	7,646	3,021	9,207	7,702	6,108	12,539	7,489	7,260			
RAMBLER	10,843	6,981	3,705	10,071	10,638	7,171	11,939	7,341	6,661			
RANGELANDER	10,866	7,181	3,571	11,423	9,749	6,869	11,902	7,550	6,699			
RENAISSANCE	9,029	7,723	3,430	10,462	9,369	6,734	12,210	7,467	6,934			
CUTS	2	2	2	2	2	1	1	2	2			
CV(%)	15.2	7.6	17.1	14.7	10.6	6.7	8.2	8.0	8.8			
Trial Mean (kg/ha)	10,080	7,377	3,399	10,259	9,880	6,842	11,829	7,459	6,948			

Summary WFT 2000 Alfalfa - Manitoba

	Yield as % of BEAVER								
	3								
	ARBORG			NEEPAWA			ST. PIERRE		
	2001	2002	2003	2001	2002	2003	2001	2002	2003
Cultivar									
134	104	100	85	84	101	103	98	110	102
54V54	106	105	101	92	97	106	100	101	104
AC BLUE J	102	96	93	92	100	99	106	95	99
BEAVER	100	100	100	100	100	100	100	100	100
CW 73038	98	105	93	79	105	104	103	102	102
DK124	81	102	91	92	88	101	103	103	99
DS027-BY	102	102	95	89	107	101	100	102	103
DS028-BY	101	103	100	101	107	104	104	105	104
DS029-BY	100	98	94	91	107	99	97	97	92
DS030-BY	92	102	95	89	118	112	93	102	97
DS2000	99	111	95	88	100	101	106	104	102
DS380-BY	101	100	97	83	108	112	103	103	102
EX101	107	107	102	90	93	98	101	98	99
PICKSEED 3008	83	106	85	81	79	91	108	102	105
RAMBLER	106	97	104	88	109	106	103	100	96
RANGELANDER	106	100	100	100	99	102	103	103	96
RENAISSANCE	88	107	96	92	96	100	105	102	100
CUTS	2	2	2	2	2	1	1	2	2
CV (%)	15.2	7.6	17.1	14.7	10.6	6.7	8.2	8.0	8.8
BEAVER (kg/ha)	10212	7203	3556	11406	9801	6739	11602	7326	6947

Summary WFT 2001 Alfalfa - Alberta

(Lethbridge Area 2 seeded 2002)

	Cultivar Mean Yield Summary (kg/ha)							
	2	3			IRR			
	LETHB-RIDGE	LACOMBE		VEGRE-VILLE	BROOKS		LETHBRIDGE	
	2003	2002	2003	2003	2002	2003	2002	2003
Cultivar								
AC BLUE J	11,443	11,360	5,624	7,941	14,756	18,547	7,996	12,961
AC LONGVIEW	10,720	12,436	5,620	9,465	13,864	18,434	8,495	14,593
BEAVER	8,686	11,007	7,997	9,841	12,229	17,338	8,234	13,715
LOSAP	9,594	10,048	2,142	6,641	11,610	15,394	6,849	12,938
NSO1DA	10,895	13,329	2,727	9,130	13,796	18,189	8,073	15,240
NSO1M5	9,242	12,830	4,267	7,238	13,289	16,838	8,114	13,088
NSO1M7	8,739	11,601	3,024	7,614	12,025	15,991	7,896	13,133
RAMBLER	8,635	11,122	9,455	11,099	13,326	16,799	8,099	11,902
RANGELANDER	7,687	10,434	8,335	10,064	13,108	16,734	7,683	11,760
STARBUCK	9,841	12,970	5,010	7,095	12,500	17,121	8,139	14,569
STOCKWELL	10,723	12,713	5,290	8,485	11,679	16,881	7,853	14,390
Trial Mean (kg/ha)	9,880	11,804	5,408	8,601	12,926	17,115	7,948	13,481

	Yield as % of BEAVER							
	2	3			IRR			
	LETHB-RIDGE	LACOMBE		VEGRE-VILLE	BROOKS		LETHBRIDGE	
	2003	2002	2003	2003	2002	2003	2002	2003
Cultivar								
AC BLUE J	132	103	70	81	121	107	97	95
AC LONGVIEW	123	113	70	96	113	106	103	106
BEAVER	100	100	100	100	100	100	100	100
LOSAP	110	91	27	67	95	89	83	94
NSO1DA	125	121	34	93	113	105	98	111
NSO1M5	106	117	53	74	109	97	99	95
NSO1M7	101	105	38	77	98	92	96	96
RAMBLER	99	101	118	113	109	97	98	87
RANGELANDER	88	95	104	102	107	97	93	86
STARBUCK	113	118	63	72	102	99	99	106
STOCKWELL	123	115	66	86	96	97	95	105
CUTS	3	3	2	2	3	3	2	3
CV(%)	9.0	6.6	14.3	18.7	15.5	6.5	9.7	6.6
BEAVER (kg/ha)	8686	11007	7997	9840	12229	17338	8234	13715

Note : Vegreville no 2002 harvest due to dry conditions

Summary WFT 2001 Alfalfa - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)							
	1		2		4		IRR	
	SWIFT CURRENT		SASKATOON		NIPAWIN		OUTLOOK	
	2002	2003*	2002*	2003	2002*	2003	2002	2003
Cultivar								
AC BLUE J	5,287	1,095	3,465	4,391	1,702	2,727	15,433	15,397
AC LONGVIEW	5,072	1,177	3,682	5,534	1,825	2,717	14,500	15,120
BEAVER	5,326	1,212	3,809	5,416	1,330	2,788	13,585	12,255
LOSAP	4,150	529	2,827	3,767	1,085	3,138	13,156	12,222
NSO1DA	4,836	877	3,370	4,405	1,085	3,253	14,618	13,867
NSO1M5	5,127	1,142	3,121	4,651	1,741	2,964	13,224	12,909
NSO1M7	4,853	953	2,943	4,484	1,256	2,965	13,543	13,981
RAMBLER	5,636	1,087	3,817	5,795	1,715	3,313	12,867	12,669
RANGELANDER	5,309	1,258	3,663	5,482	1,127	2,831	11,823	12,611
STARBUCK	4,753	917	3,444	5,584	1,420	3,025	13,601	14,454
STOCKWELL	5,172	1,159	3,249	5,323	572	2,465	13,290	14,246

Trial Mean (kg/ha) 5,088 1,077 3,399 4,985 1,351 2,909 13,603 13,612

	Yield as % of BEAVER							
	1		2		4		IRR	
	SWIFT CURRENT		SASKATOON		NIPAWIN		OUTLOOK	
	2002	2003*	2002*	2003	2002*	2003	2002	2003
Cultivar								
AC BLUE J	99	90	91	81	128	98	114	126
AC LONGVIEW	95	97	97	102	137	97	107	123
BEAVER	100	100	100	100	100	100	100	100
LOSAP	78	44	74	70	82	113	97	100
NSO1DA	91	72	88	81	82	117	108	113
NSO1M5	96	94	82	86	131	106	97	105
NSO1M7	91	79	77	83	94	106	100	114
RAMBLER	106	90	100	107	129	119	95	103
RANGELANDER	100	104	96	101	85	102	87	103
STARBUCK	89	76	90	103	107	109	100	118
STOCKWELL	97	96	85	98	43	88	98	116

CUTS 2 1 2 2 0 1 3 3
CV(%) 8.3 38.8 20.7 14.8 56.0 16.0 8.4 11.8
BEAVER (kg/ha) 5326 1212 3809 5416 1330 2788 13585 12255

* Please note trial CV over 20 % *

Summary WFT 2001 Alfalfa Manitoba

	Cultivar Mean Yield Summary (kg/ha)					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2002	2003	2002	2003	2002	2003
Cultivar						
AC BLUE J	7,272	4,106	9,260	6,939	9,904	9,012
AC LONGVIEW	7,866	4,472	9,675	7,402	9,827	9,335
BEAVER	7,410	4,406	10,364	7,068	10,225	9,027
LOSAP	6,756	3,708	7,612	5,437	10,153	8,173
NS01DA	7,458	4,292	9,351	6,554	10,672	8,802
NS01M5	7,072	4,519	8,913	6,336	10,191	8,294
NS01M7	6,698	4,097	7,903	5,911	9,969	8,335
RAMBLER	7,368	4,492	10,458	6,789	9,869	7,925
RANGELANDER	7,731	4,558	10,610	6,391	10,216	8,566
STARBUCK	7,746	4,647	8,339	6,090	10,889	8,218
STOCKWELL	8,003	4,085	9,589	7,218	11,459	9,008

Trial Mean (kg/ha)	7,398	4,307	9,279	6,558	10,307	8,608
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	Yield as % of BEAVER					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2002	2003	2002	2003	2002	2003
Cultivar						
AC BLUE J	98	93	89	98	97	100
AC LONGVIEW	106	101	93	105	96	103
BEAVER	100	100	100	100	100	100
LOSAP	91	84	73	77	99	91
NS01DA	101	97	90	93	104	98
NS01M5	95	103	86	90	100	92
NS01M7	90	93	76	84	97	92
RAMBLER	99	102	101	96	97	88
RANGELANDER	104	103	102	90	100	95
STARBUCK	105	105	80	86	106	91
STOCKWELL	108	93	93	102	112	100

CUTS	2	2	2	1	2	2
CV(%)	11.8	12.0	11.4	7.8	10.1	8.3
BEAVER (kg/ha)	7410	4406	10364	7068	10225	9027

Summary WFT 2002 Alfalfa - All Locations

	Cultivar Mean Yield Summary (kg/ha)									
	1	2			3			IRR		
	SWIFT	LETHB- RIDGE	SASKA- TOON	SCOTT	ARBORG	CANORA	NEEPA- WA	ST. PIERRE	LETHB- RIDGE	OUTLO- OK
	CURRE- NT									
2003	2003	2003	2003*	2003	2003	2003	2003	2003	2003	
Cultivar										
54Q25	2,892	6,349	3,699	596	4,871	7,494	6,580	9,946	14,042	14,054
55V05	2,768	6,489	3,206	627	4,248	6,217	6,678	9,917	13,433	12,586
AC BLUE J	3,060	5,791	3,095	402	4,952	5,272	6,950	10,160	12,754	13,248
BEAVER	2,374	7,634	4,500	684	4,620	5,982	8,484	9,877	10,997	12,732
DS233	2,697	6,476	3,476	453	4,049	7,570	7,508	10,149	12,435	13,573
DS234	2,684	7,938	3,047	852	4,231	7,041	6,446	10,001	14,108	13,170
DS235	2,947	8,124	3,575	575	4,844	6,668	7,761	10,469	13,537	13,324
DS236	2,817	5,899	3,105	613	4,400	7,217	7,744	10,451	13,825	13,597
LRC01CR	2,165	5,476	3,573	453	4,522	6,792	7,340	10,084	12,751	11,915
NS02CK	3,059	5,944	3,013	544	4,645	6,613	7,319	9,007	12,979	11,805
RAMBLER	2,977	6,291	3,593	645	4,502	5,579	8,131	10,197	11,430	13,028
RANGELANDER	3,005	5,584	3,869	599	4,581	5,607	8,317	10,583	11,910	12,581
Trial Mean (kg/ha)	2,787	6,500	3,479	591	4,538	6,504	7,438	10,070	12,850	12,968

	Yield as % of BEAVER									
	1	2			3			IRR		
	SWIFT	LETHB- RIDGE	SASKA- TOON	SCOTT	ARBORG	CANORA	NEEPA- WA	ST. PIERRE	LETHB- RIDGE	OUTLO- OK
	CURRE- NT									
2003	2003	2003	2003*	2003	2003	2003	2003	2003	2003	
Cultivar										
54Q25	122	83	82	87	105	125	78	101	128	110
55V05	117	85	71	92	92	104	79	100	122	99
AC BLUE J	129	76	69	59	107	88	82	103	116	104
BEAVER	100	100	100	100	100	100	100	100	100	100
DS233	114	85	77	66	88	127	88	103	113	107
DS234	113	104	68	125	92	118	76	101	128	103
DS235	124	106	79	84	105	111	91	106	123	105
DS236	119	77	69	90	95	121	91	106	126	107
LRC01CR	91	72	79	66	98	114	87	102	116	94
NS02CK	129	78	67	80	101	111	86	91	118	93
RAMBLER	125	82	80	94	97	93	96	103	104	102
RANGELANDER	127	73	86	88	99	94	98	107	108	99
CUTS	1	2	2	1	2	2	1	2	3	3
CV(%)	13.2	11.0	13.4	23.0	11.0	16.0	12.2	9.9	7.2	8.2
BEAVER (kg/ha)	2374	7634	4500	684	4620	5982	8484	9877	10997	12732

* Please note trial CV over 20 % *

Summary WFT 2002 Cicer Milkvetch - All Locations

	Cultivar Mean Yield Summary (kg/ha)				
	2		3		IRR
	LETHB-RIDGE	SASKA-TOON	ARBORG	ST. PIERRE	LETHB-RIDGE
	2003	2003	2003	2003	2003
Cultivar					
LRC94-1	3,986	541	2,765	3,962	7,772
OXLEY	3,523	322	2,342	3,868	7,246
Trial Mean (kg/ha)	3,754	431	2,553	3,915	7,509

	Yield as % of OXLEY				
	2		3		IRR
	LETHB-RIDGE	SASKA-TOON	ARBORG	ST. PIERRE	LETHB-RIDGE
	2003	2003	2003	2003	2003
Cultivar					
LRC94-1	113	168	118	102	107
OXLEY	100	100	100	100	100
CUTS	1	1	1	1	2
CV(%)	15.3	9.5	14.8	11.0	13.4
OXLEY (kg/ha)	3523	322	2342	3868	7246

Summary WFT 2001 Bromegrass - Alberta
(Lethbridge Area 2 seeded 2002)

	Cultivar Mean Yield Summary (kg/ha)							
	2	3			IRR			
	LETHB-RIDGE	LACOMBE		VEGRE-VILLE	BROOKS		LETHBRIDGE	
	2003	2002	2003	2003	2002	2003	2002	2003
Cultivar								
95MD-2	6,444	8,894	7,912	9,006	12,705	14,024	11,338	9,254
FLEET	8,608	9,192	8,841	10,562	12,291	12,639	11,458	8,535
AC ROCKET	7,972	9,383	9,384	10,675	16,531	16,239	12,158	8,234
CARLTON	8,510	8,708	9,451	9,973	14,947	14,298	11,847	8,819
Trial Mean (kg/ha)	7,884	9,044	8,897	10,054	14,118	14,300	11,700	8,711

	Yield as % of FLEET							
	2	3			IRR			
	LETHB-RIDGE	LACOMBE		VEGRE-VILLE	BROOKS		LETHBRIDGE	
	2003	2002	2003	2003	2002	2003	2002	2003
Meadow Bromegrass								
Cultivar								
95MD-2	75	97	89	85	103	111	99	108
FLEET	100	100	100	100	100	100	100	100
Smooth Bromegrass	Yield as % of CARLTON							
Cultivar								
AC ROCKET	94	108	99	107	111	114	103	93
CARLTON	100	100	100	100	100	100	100	100
CUTS	1	2	2	1	2	2	2	2
CV(%)	8.0	11.2	8.6	10.1	6.5	8.3	6.2	5.3
FLEET (kg/ha)	8608	9192	8841	10562	12291	12639	11458	8535
CARLTON (kg/ha)	8510	8708	9450	9973	14947	14298	11847	8819

Note : Vegreville no 2002 harvest due to dry conditions

Summary WFT 2001 Meadow Bromegrass - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)							
	1		2		4		IRR	
	SWIFT CURRENT		SASKATOON		NIPAWIN		OUTLOOK	
	2002	2003	2002	2003	2002*	2003	2002*	2003
Cultivar								
95MD-2	6,205	2,919	1,202	3,187	1,275	2,756	11,196	14,688
FLEET	6,725	3,032	1,129	3,194	1,315	2,637	10,555	14,507

Trial Mean (kg/ha) 6,465 2,975 1,165 3,190 1,348 2,461 10,876 14,598

	Yield as % of FLEET							
	1		2		4		IRR	
	SWIFT CURRENT		SASKATOON		NIPAWIN		OUTLOOK	
	2002	2003	2002	2003	2002*	2003	2002*	2003
Cultivar								
95MD-2	92	96	106	100	97	105	106	101
FLEET	100	100	100	100	100	100	100	100

CUTS 2 1 2 2 1 1 2 2
 CV(%) 6.6 9.1 10.8 9.6 23.0 11.0 22.5 11.3
 FLEET (kg/ha) 6725 3032 1129 3194 1315 2637 10555 14507

* Please note trial CV over 20 % *

Summary WFT 2001 Smooth Bromegrass - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)							
	1		2		4		IRR	
	SWIFT CURRENT		SASKATOON		NIPAWIN		OUTLOOK	
	2002	2003	2002	2003	2002	2003	2002	2003
Cultivar								
AC ROCKET	6,970	2,836	1,558	3,220	1,679	2,605	13,348	15,897
CARLTON	6,972	3,052	1,472	2,966	1,121	1,845	13,721	17,599

Trial Mean (kg/ha) 6,937 2,944 1,515 3,093 1,348 2,461 13,535 16,748

	Yield as % of CARLTON							
	1		2		4		IRR	
	SWIFT CURRENT		SASKATOON		NIPAWIN		OUTLOOK	
	2002	2003	2002	2003	2002	2003	2002	2003
Cultivar								
AC ROCKET	100	93	106	109	150	141	97	90
CARLTON	100	100	100	100	100	100	100	100

CUTS 2 1 2 2 1 1 2 2
 CV(%) 3.0 9.5 13.3 11.7 23.0 11.0 2.2 8.5
 CARLTON (kg/ha) 6972 3052 1472 2966 1121 1845 13721 17599

Summary WFT 2001 Meadow Bromegrass - Manitoba

	Cultivar Mean Yield Summary (kg/ha)				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2002	2003	2002	2003	2003
Cultivar					
95MD-2	10,349	2,121	2,635	4,723	1,951
FLEET	10,455	2,281	3,056	4,676	2,075

Trial Mean (kg/ha) 10,406 2,201 2,845 4,700 2,013

	Yield as % of FLEET				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2002	2003	2002	2003	2003
Cultivar					
95MD-2	99	93	86	101	94
FLEET	100	100	100	100	100

CUTS 2 1 1 1 1
 CV(%) 8.6 4.1 13.9 12.6 13.4
 FLEET (kg/ha) 10455 2281 3056 4676 2075

Summary WFT 2001 Smooth Bromegrass - Manitoba

	Cultivar Mean Yield Summary (kg/ha)				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2002	2003	2002	2003	2003
Cultivar					
AC ROCKET	10,602	2,688	3,351	7,556	2,567
CARLTON	10,220	2,579	2,992	6,403	2,350

Trial Mean (kg/ha) 10,406 2,634 3,171 6,979 2,459

	Yield as % of CARLTON				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2002	2003	2002	2003	2003
Cultivar					
AC ROCKET	104	104	112	118	109
CARLTON	100	100	100	100	100

CUTS 2 1 1 1 1
 CV(%) 8.6 4.5 6.7 3.8 14.4
 CARLTON (kg/ha) 10220 2579 2992 6403 2350

Summary WFT 2001 Tall Fescue - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)			
	1		2	IRR
	SWIFT CURRENT		SASKA- TOON	OUTLO- OK
	2002	2003*	2003*	2002
Cultivar COURTENAY	5,543	463	952	13,393
MAXIMIZE	3,231	335	746	8,900

Trial Mean (kg/ha) 4,387 399 849 11,146

	Yield as % of COURTENAY			
	1		2	IRR
	SWIFT CURRENT		SASKA- TOON	OUTLO- OK
	2002	2003*	2003*	2002
Cultivar COURTENAY	100	100	100	100
MAXIMIZE	58	72	78	66

CUTS 2 1 1 2
 CV(%) 2.6 28.5 39.0 18.4
 COURTENAY (kg/ha) 5543 463 952 13393

* Please note trial CV over 20 % *

Summary WFT 2001 Tall Fescue - Manitoba

	Cultivar Mean Yield Summary (kg/ha)			
	3			
	ARBORG	NEEPAWA		ST. PIERRE
	2002	2002	2003	2003
Cultivar COURTENAY	10,551	3,299	3,291	1,516
MAXIMIZE	10,186	3,184	1,648	1,493

Trial Mean (kg/ha) 10,368 3,241 2,470 1,505

	Yield as % of COURTENAY			
	3			
	ARBORG	NEEPAWA		ST. PIERRE
	2002	2002	2003	2003
Cultivar COURTENAY	100	100	100	100
MAXIMIZE	97	97	50	98

CUTS 2 1 1 1
 CV(%) 8.3 19.5 20.0 18.8
 COURTENAY (kg/ha) 10551 3299 3291 1516

Summary WFT 2002 Orchard Grass - All Locations

	Cultivar Mean Yield Summary (kg/ha)							
	2		3				IRR	
	SASKA-TOON	SCOTT	ARBORG	CANORA	NEEPA-WA	ST. PIERRE	LETHB-RIDGE	OUTLO-OK
	2003	2003	2003	2003	2003	2003	2003	2003
Cultivar								
AC KILLARNEY	3,511	853	2,008	2,466	2,259	1,530	9,447	12,488
KAY	3,164	707	2,213	1,992	1,866	1,652	9,243	13,517
SOG01	3,413	677	2,539	2,185	2,731	1,683	10,637	12,876

Trial Mean (kg/ha) 3,362 745 2,254 2,214 2,285 1,621 9,776 12,960

	Yield as % of KAY							
	2		3				IRR	
	SASKA-TOON	SCOTT	ARBORG	CANORA	NEEPA-WA	ST. PIERRE	LETHB-RIDGE	OUTLO-OK
	2003	2003	2003	2003	2003	2003	2003	2003
Cultivar								
AC KILLARNEY	111	121	91	124	121	93	102	92
KAY	100	100	100	100	100	100	100	100
SOG01	108	96	115	110	146	102	115	95

CUTS 2 1 1 1 1 1 2 2
 CV(%) 6.0 14.0 12.8 14.0 19.4 12.2 6.0 12.4
 KAY (kg/ha) 3164 707 2213 1992 1866 1652 9243 13517

Note : data not reported for Swift Current due to gopher damage

Summary WFT 1999 Timothy - Manitoba
(Neepawa & St. Pierre seeded 2000, Arborg seeded 2001)

	Cultivar Mean Yield Summary (kg/ha)							
	3							
	ARBORG		NEEPAWA			ST. PIERRE		
	2002	2003	2001	2002	2003*	2001	2002	2003*
Cultivar								
BOR 72002	.	829	.	.	.	6,857	3,476	1,176
BOR 94301	.	819	.	.	.	6,849	3,500	1,147
CLIMAX	2,628	767	6,205	5,485	2,362	7,083	3,653	1,234
GPTI8905	2,775	871	6,457	5,543	2,513	7,273	3,698	1,293
GPTI8906	2,703	877	6,348	5,490	2,137	6,725	3,736	1,282
JOLIETTE	.	802	.	.	.	5,958	3,161	1,075

Trial Mean (kg/ha) 2,702 827 6,337 5,506 2,137 6,791 3,537 1,201

	Yield as % of CLIMAX							
	3							
	ARBORG		NEEPAWA			ST. PIERRE		
	2002	2003	2001	2002	2003*	2001	2002	2003*
Cultivar								
BOR 72002	.	108	.	.	.	97	95	95
BOR 94301	.	107	.	.	.	97	96	93
CLIMAX	100	100	100	100	100	100	100	100
GPTI8905	106	114	104	101	106	103	101	105
GPTI8906	103	114	102	100	90	95	102	104
JOLIETTE	.	105	.	.	.	84	87	87

CUTS 1 1 1 1 1 1 1 1

CV(%) 11.4 14.0 7.0 11.8 25.7 16.3 7.0 22.6

CLIMAX (kg/ha) 2628 767 6205 5485 2362 7083 3653 1234

* Please note trial CV over 20 % *

Summary WFT 2000 Timothy - Alberta

		Cultivar Mean Yield Summary (kg/ha)																	
		3			4			5			IRR								
		LACOMBE			FORT KENT			FALHER			BOW ISLAND		BROOKS		LETHBRIDGE				
	2001	2002	2003	2001	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003			
Cultivar																			
BOR 94372	8,829	5,206	6,666	6,088	4,941	5,948	2,820	4,266	9,026	8,942	9,112	9,920	4,926	5,841	4,918				
BOR 94374	10,686	5,114	6,691	5,883	5,308	6,383	2,945	5,220	8,873	8,658	10,205	9,954	5,089	7,357	5,529				
CLIMAX	9,204	4,794	5,750	6,023	5,493	5,162	2,635	4,201	11,269	10,295	9,812	8,522	5,261	8,313	3,523				
MOTIM	8,386	4,448	6,149	5,646	4,661	5,082	2,209	3,943	8,560	7,189	8,378	9,089	3,892	7,391	3,933				
PCOX-39	10,203	4,849	5,450	6,125	5,400	4,637	2,234	4,023	11,767	10,047	9,555	9,152	5,803	8,338	4,127				
TIMPRO	10,213	4,605	5,816	5,718	4,734	5,506	2,145	3,391	8,208	8,327	9,229	8,980	4,711	5,760	2,904				
CUTS	3	2	1	1	2	1	1	1	2	2	2	2	2	2	2	1			
CV(%)	11.6	13.3	9.4	7.6	12.4	16.7	14.0	15.7	16.4	10.4	11.0	6.3	8.8	5.5	6.7				
Trial Mean (kg/ha)	9,587	4,836	6,087	5,914	5,090	5,413	2,613	4,242	9,617	8,910	9,382	9,270	4,947	7,167	4,155				

Note : Vegreville no 2001 & 2002 harvest due to dry conditions, Fort Kent and Bow Island discontinued

Summary WFT 2000 Timothy - Alberta

	Yield as % of CLIMAX																	
	3			4			5			IRR								
	LACOMBE			VEGRE-VILLE			FORT KENT			FALHER			BOW ISLAND		BROOKS		LETHBRIDGE	
	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003
Cultivar																		
BOB 94372	96	109	116	101	90	115	107	102	80	87	93	116	94	70	140			
BOB 94374	116	107	116	98	97	124	112	124	79	84	104	117	97	88	157			
CLIMAX	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
MOTIM	91	93	107	94	85	98	84	94	76	70	85	107	74	89	112			
PCOX-39	111	101	95	102	98	90	85	96	104	98	97	107	110	100	117			
TIMPRO	111	96	101	95	86	107	81	81	73	81	94	105	90	69	82			
CUTS	3	2	1	1	2	1	1	1	2	2	2	2	2	2	2			
CV(%)	11.6	13.3	9.4	7.6	12.4	16.7	14.0	15.7	16.4	10.4	11.0	6.3	8.8	5.5	6.7			
CLIMAX (kg/ha)	9204	4793	5750	6023	5493	5162	2634	4200	11269	10295	9811	8522	5261	8313	3523			

Note : Vegreville no 2001 & 2002 harvest due to dry conditions, Fort Kent and Bow Island discontinued

Summary WFT 2000 Timothy - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)																	
	1		2			3			4			IRR						
	SWIFT CURRENT		SASKATOON			CANORA			NIPAWIN			OUTLOOK						
	2001	2002	2001	2002*	2003	2001	2002	2003*	2001	2002	2003	2001	2002	2003				
Cultivar																		
BOR 94372	2,585	3,424	2,214	971	2,382	4,529	3,611	1,293	5,116	2,367	5,549	11,104	5,483	8,099				
BOR 94374	2,653	3,473	2,243	1,132	2,067	4,579	3,741	1,285	5,158	2,415	5,103	11,637	5,266	7,745				
CLIMAX	2,735	3,283	1,693	1,153	1,898	4,636	3,437	1,422	4,443	2,053	4,879	11,946	6,979	7,824				
MOTIM	1,906	2,593	1,157	800	1,693	5,159	3,569	718	5,354	1,810	4,403	11,844	5,641	7,083				
PCGX-39	2,247	2,975	1,428	971	2,382	4,969	3,594	1,517	4,881	2,633	4,754	12,222	6,388	8,223				
TIMPRO	1,936	2,798	1,433	813	2,148	4,104	3,357	1,436	5,633	2,191	4,821	11,686	6,928	8,621				
CUTS	1	1	1	2	1	1	1	1	1	1	1	2	2	2				
CV(%)	17.1	9.7	16.6	25.4	16.0	12.0	11.0	21.0	11.0	16.0	9.0	8.4	16.0	9.1				
Trial Mean (kg/ha)	2,344	3,091	1,694	973	2,095	4,663	3,551	1,278	5,098	2,245	4,918	11,739	6,114	7,932				

* Please note trial CV over 20 % *

Summary WFT 2000 Timothy - Saskatchewan

	Yield as % of CLIMAX													
	1		2			3			4			IRR		
	SWIFT CURRENT		SASKATOON			CANORA			NIPAWIN			OUTLOOK		
	2001	2002	2001	2002*	2003	2001	2002	2003*	2001	2002	2003	2001	2002	2003
Cultivar														
BOR 94372	95	104	131	84	126	98	105	91	115	115	114	93	79	104
BOR 94374	97	106	132	98	109	99	109	90	116	118	105	97	75	99
CLIMAX	100	100	100	100	100	100	100	100	100	100	100	100	100	100
MOTIM	70	79	68	69	89	111	104	50	121	88	90	99	81	91
PCQX-39	82	91	84	84	126	107	105	107	110	128	97	102	92	105
TIMPRO	71	85	85	71	113	89	98	101	127	107	99	98	99	110
CUTS	1	1	1	2	1	1	1	1	1	1	1	2	2	2
CV (%)	17.1	9.7	16.6	25.4	16.0	12.0	11.0	21.0	11.0	16.0	9.0	8.4	16.0	9.1
CLIMAX (kg/ha)	2735	3283	1693	1153	1898	4636	3437	1422	4443	2053	4879	11946	6979	7824

* Please note trial CV over 20 % *

Summary WFT 2000 Timothy - Manitoba

	Cultivar Mean Yield Summary (kg/ha)								
	3								
	ARBORG			NEEPAWA			ST. PIERRE		
	2001	2002	2003	2001	2002*	2003	2001	2002	2003*
Cultivar									
BOR 94372	7,552	2,978	1,929	6,652	6,016	1,284	6,458	5,099	1,785
BOR 94374	8,515	2,817	1,928	7,551	5,313	1,617	6,108	5,090	1,806
CLIMAX	8,912	2,979	1,852	6,248	4,885	1,282	6,182	4,948	1,769
MOTIM	9,265	2,980	2,089	6,506	6,325	1,767	4,976	5,119	1,896
PCQX-39	7,520	2,987	1,823	5,798	5,999	1,828	5,638	4,741	1,640
TIMPRO	7,122	2,775	1,818	4,888	5,490	1,592	5,489	4,651	1,629

Trial Mean (kg/ha)	8,148	2,848	1,906	6,274	5,671	1,562	5,809	4,941	1,754
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	Yield as % of CLIMAX								
	3								
	ARBORG			NEEPAWA			ST. PIERRE		
	2001	2002	2003	2001	2002*	2003	2001	2002	2003*
Cultivar									
BOR 94372	85	100	104	106	123	100	104	103	101
BOR 94374	96	95	104	121	109	126	99	103	102
CLIMAX	100	100	100	100	100	100	100	100	100
MOTIM	104	100	113	104	129	138	80	103	107
PCQX-39	84	100	98	93	123	143	91	96	93
TIMPRO	80	93	98	78	112	124	89	94	92

CUTS	1	1	1	1	1	1	1	1	1
CV(%)	11.5	14.9	14.9	11.4	22.3	17.5	16.0	9.0	22.0
CLIMAX (kg/ha)	8912	2979	1852	6248	4885	1282	6182	4948	1769

* Please note trial CV over 20 % *

Summary WFT 2001 Timothy - Alberta

	Cultivar Mean Yield Summary (kg/ha)						
	3			IRR			
	LACOMBE		VEGRE - VILLE	BROOKS		LETHBRIDGE	
	2002	2003	2003	2002	2003	2002	2003
Cultivar							
BARNEE	4,593	1,891	5,526	7,269	10,623	6,829	5,658
BARTIMO	5,625	4,951	6,182	7,569	11,128	7,122	5,169
CLIMAX	6,598	5,627	6,430	11,112	14,762	10,626	6,305
DOLINA	6,725	5,216	6,755	11,688	13,569	8,653	7,467
EXPRESS	7,213	5,218	6,859	10,888	14,671	9,564	6,069
LPHL 458	6,294	5,548	6,268	9,431	13,164	9,326	5,886
NIKLAS	5,471	3,685	6,882	7,613	11,502	7,474	6,889
TUNDRA	6,421	5,618	6,633	8,878	13,809	8,698	6,062

Trial Mean (kg/ha) 6,117 4,719 6,514 9,306 12,904 8,537 6,188

	Yield as % of CLIMAX						
	3			IRR			
	LACOMBE		VEGRE - VILLE	BROOKS		LETHBRIDGE	
	2002	2003	2003	2002	2003	2002	2003
Cultivar							
BARNEE	70	34	86	65	72	64	90
BARTIMO	85	88	96	68	75	67	82
CLIMAX	100	100	100	100	100	100	100
DOLINA	102	93	105	105	92	81	118
EXPRESS	109	93	107	98	99	90	96
LPHL 458	95	99	97	85	89	88	93
NIKLAS	83	65	107	69	78	70	109
TUNDRA	97	100	103	80	94	82	96

CUTS 2 1 1 2 2 2 2
 CV(%) 11.6 12.8 10.5 9.7 7.7 10.6 7.2
 CLIMAX (kg/ha) 6597 5627 6430 11112 14762 10626 6305

Note : Vegreville no 2002 harvest due to dry conditions

Summary WFT 2001 Timothy - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)						
	1		2	4		IRR	
	SWIFT CURRENT		SASKA-TOON	NIPAWIN		OUTLOOK	
	2002	2003	2003	2002*	2003	2002	2003*
Cultivar							
BARNEE	1,959	1,601	772	162	2,885	8,638	6,425
BARTIMO	3,003	1,631	1,512	262	2,773	8,643	8,206
CLIMAX	5,240	1,812	1,701	688	2,725	10,303	8,499
DOLINA	4,741	1,599	1,708	493	2,613	10,856	9,883
EXPRESS	5,808	1,779	1,808	620	2,782	10,577	10,077
LPHL 458	3,831	1,627	2,069	223	3,061	9,894	9,230
NIKLAS	2,954	1,849	1,546	244	2,932	8,415	7,585
TUNDRA	4,286	1,888	1,654	649	2,556	9,910	7,831

Trial Mean (kg/ha) 3,978 1,723 1,632 418 2,791 9,655 8,467

	Yield as % of CLIMAX						
	1		2	4		IRR	
	SWIFT CURRENT		SASKA-TOON	NIPAWIN		OUTLOOK	
	2002	2003	2003	2002*	2003	2002	2003*
Cultivar							
BARNEE	37	88	45	24	106	84	76
BARTIMO	57	90	89	38	102	84	97
CLIMAX	100	100	100	100	100	100	100
DOLINA	90	88	100	72	96	105	116
EXPRESS	111	98	106	90	102	103	119
LPHL 458	73	90	122	32	112	96	109
NIKLAS	56	102	91	35	108	82	89
TUNDRA	82	104	97	94	94	96	92

CUTS 2 1 1 1 1 2 2
 CV(%) 13.7 17.1 19.4 45.0 8.0 11.2 27.8
 CLIMAX (kg/ha) 5240 1812 1701 688 2725 10303 8499

Note : Saskatoon no 2002 harvest due to dry conditions

* Please note trial CV over 20 % *

Summary WFT 2001 Timothy - Manitoba
(Arborg seeded 2002)

	Cultivar Mean Yield Summary (kg/ha)		
	3		
	ARBORG	NEEPAWA	
	2003*	2002	2003*
Cultivar			
BARFLEO	.	3,404	3,511
BARNEE	1,214	3,800	1,723
BARTIMO	1,535	2,737	2,282
CLIMAX	1,531	2,811	2,503
DOLINA	1,247	2,913	2,490
EXPRESS	1,743	4,000	2,868
LPHL 458	1,451	3,151	2,124
NIKLAS	1,231	3,160	2,496
TUNDRA	1,345	2,908	3,038

Trial Mean (kg/ha) 1,412 3,209 2,559

	Yield as % of CLIMAX		
	3		
	ARBORG	NEEPAWA	
	2003*	2002	2003*
Cultivar			
BARFLEO	.	121	140
BARNEE	79	135	69
BARTIMO	100	97	91
CLIMAX	100	100	100
DOLINA	81	104	99
EXPRESS	114	142	115
LPHL 458	95	112	85
NIKLAS	80	112	100
TUNDRA	88	103	121

CUTS 1 1 1
 CV(%) 21.8 19.4 28.3
 CLIMAX (kg/ha) 1531 2811 2503

* Please note trial CV over 20 % *

Summary WFT 2002 Timothy - All Locations

	Cultivar Mean Yield Summary (kg/ha)			
	2	3	IRR	
	SASKA- TOON		LETHB- RIDGE	OUTLO- OK
	2003	2003	2003	2003
Cultivar				
45-214	3,966	1,610	5,359	12,864
CHARLTON	2,067	1,781	4,485	11,629
CLIMAX	3,539	1,760	6,286	12,641
JONATON	2,488	2,006	6,137	14,389
NS02TY	3,958	1,524	4,773	11,659
Trial Mean (kg/ha)	3,203	1,736	5,408	12,636

	Yield as % of CLIMAX			
	2	3	IRR	
	SASKA- TOON		LETHB- RIDGE	OUTLO- OK
	2003	2003	2003	2003
Cultivar				
45-214	112	91	85	102
CHARLTON	58	101	71	92
CLIMAX	100	100	100	100
JONATON	70	114	98	114
NS02TY	112	87	76	92
CUTS	2	1	1	2
CV(%)	18.3	12.7	10.9	11.8
CLIMAX (kg/ha)	3539	1760	6286	12641

Note : data not reported for Swift Current due to gopher damage

Summary WFT 1999 Crested Wheatgrass - Manitoba
(Arborg & Neepawa seeded 2000)

	Cultivar Mean Yield Summary (kg/ha)							
	3							
	ARBORG			NEEPAWA			ST. PIERRE	
	2001	2002	2003	2001	2002	2003	2000	2003
Cultivar								
AC GOLIATH	.	.	.	.	.	.	10,188	1,883
CD II	.	.	.	.	.	.	9,895	1,531
DOUGLAS	6,768	2,152	1,216	3,498	3,221	3,405	6,917	1,994
KIRK	8,244	2,734	1,395	6,353	7,303	7,873	9,073	2,254
VAVILOV	7,349	3,042	1,321	5,984	5,481	5,898	7,254	2,310
Trial Mean (kg/ha)	7,453	2,643	1,311	5,278	5,335	5,725	8,666	1,994

	Yield as % of KIRK							
	3							
	ARBORG			NEEPAWA			ST. PIERRE	
	2001	2002	2003	2001	2002	2003	2000	2003
Cultivar								
AC GOLIATH	.	.	.	.	.	.	112	84
CD II	.	.	.	.	.	.	109	68
DOUGLAS	82	79	87	55	44	43	76	88
KIRK	100	100	100	100	100	100	100	100
VAVILOV	89	111	95	94	75	75	80	102
CUTS	1	1	1	1	1	1	2	1
CV(%)	12.8	11.7	13.3	14.9	17.2	7.8	12.6	14.5
KIRK (kg/ha)	8244	2734	1395	6353	7303	7873	9073	2254

Note : St. Pierre no 2001 data reported

Appendix 1

Alberta Weather Data

Seasonal
Mean or
Total

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Ballater AAFc - Area 5													
(Approx. High Prairie site)													
Mean Monthly Temp. (C)													
2003	-12.4	-6.7	-14.5	-1.8	9.0	16.7	16.7	15.4	9.9	4.0	-3.0	-14.8	1.9
2002	-14.2	-6.7	-14.5	-1.8	9.0	16.7	16.7	15.4	9.9	4.0	-3.0	-14.8	1.9
2001	-4.0	-12.3	-3.3	4.1	10.4	14.0	16.4	16.2	11.7	4.0	-3.0	-5.5	3.4
2000	-14.9	-9.8	-2.5	3.6	7.5	13.8	16.3	13.4	9.8	3.8	-3.4	-14.8	1.9
1999	-16.2	-8.5	-3.1	5.5	9.5	13.6	14.9	16.8	11.1	5.6	-2.4	-5.5	3.4
30 yr	-17.9	-11.8	-5.8	3.5	10.1	14.3	16.2	15.1	9.8	4.3	-7.0	-14.4	1.5
Mean Monthly Precip. (mm)													
2003	42.8	6.0	20.8	30.8	18.3	93.1	32.7	83.8	21.2	9.0	5.0	450.4	
2002	25.0	6.0	20.8	30.8	18.3	93.1	32.7	83.8	21.2	9.0	5.0	450.4	
2001	8.2	12.3	19.4	31.8	60.1	95.1	31.2	14.5	16.0	32.2	36.0	450.4	
2000	11.2	14.6	16.4	12.6	123.4	63.8	109.2	43.3	20.3	12.2	16.6	547.2	
1999	57.9	14.2	10.2	23.7	46.2	32.8	24.8	26.4	26.2	11.4	18.0	23.2	315.0
30 yr	31.2	11.8	22.7	19.5	40.4	70.3	76.4	58.5	36.6	26.5	27.4	23.2	471.4
Bow Island - Itr													
Mean Monthly Temp. (C)													
2003	-6.5	-8.3	-3.0	7.0	10.3	15.7	19.2	20.3	12.0	8.6	-7.3	-2.8	4.8
2002	-5.6	-2.9	-12.1	2.5	9.3	16.1	20.4	15.7	12.4	2.5	2.2	-2.8	4.8
2001	-4.0	-12.3	1.7	6.1	13.7	15.7	20.1	21.1	15.5	6.1	2.5	-7.4	7.9
2000	-9.0	-5.9	1.7	5.9	11.9	15.4	20.6	18.9	13.0	7.0	-3.4	-10.9	5.4
1999	-7.3	1.2	3.1	7.2	11.6	15.9	17.4	19.9	12.8	8.9	4.5	0.2	7.9
30 yr	-9.0	-6.3	-1.1	6.4	11.6	17.8	18.6	18.2	12.7	7.6	-2.1	-7.4	5.6
Mean Monthly Precip. (mm)													
2003	2.3	5.6	4.3	31.7	30.0	60.5	4.1	2.8	23.4	10.2	5.8	1.8	436.1
2002	3.3	1.6	4.1	17.6	41.9	176.4	33.0	67.4	67.4	10.9	10.7	1.8	436.1
2001	4.1	0.9	6.1	13.2	11.8	80.8	15.0	1.2	1.2	12.6	4.1	1.1	152.1
2000	3.5	9.4	14.2	16.4	8.4	50.6	11.0	16.2	27.4	10.2	6.8	7.6	181.8
1999	10.1	0.5	0.3	37.9	43.9	102.8	37.7	41.8	9.0	26.9	15.2	8.2	334.3
30 yr	16.7	11.3	12.8	28.9	43.8	71.0	31.8	38.0	39.5	12.3	14.8	17.1	338.0

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Seasonal Mean or Total
Brooks CDC South - Irrigation														
Mean Monthly Temp. (C)	2003	-8.7	-8.9	-3.4	6.3	9.8	15.4	19.7	20.2	11.9	8.3	-9.3	-4.4	4.2
	2002	-7.5	-3.3	-13.2	2.3	9.4	16.2	19.8	15.9	11.9	2.0	1.1	-4.4	4.2
	2001	-3.7	-13.4	1.2	5.5	13.0	15.4	19.8	20.0	14.3	5.2	1.6	-9.3	5.8
	2000	-11.3	-8.1	0.9	5.5	11.3	15.0	20.2	18.3	11.8	6.3	-5.0	-11.8	4.4
	1999	-11.5	-1.3	1.1	6.0	10.1	14.3	16.2	18.2	11.8	6.8	2.6	-1.4	6.1
	30 yr	-11.6	-8.2	-2.0	5.7	11.5	15.9	18.5	17.8	12.0	6.1	-3.5	-9.4	4.4
Mean Monthly Precip. (mm)	2003	7.7	8.4	3.6	32.6	28.6	59	9.4	13.4	33.8	25.4	13.6	3.2	284.6
	2002	5.1	0.0	11.1	5.6	9.2	111.6	23.2	53.4	54.2	9.4	1.6	3.2	284.6
	2001	8.3	42.9	13.0	10.0	19.6	42.8	13.8	1.4	16.6	8.9	15.5	3.6	156.2
	2000	14.8	12.5	6.6	11.3	12.8	28.6	3.4	31.4	24.4	51.6	6.3	5.8	209.5
	1999	17.1	1.5	4.2	38.1	39.8	115.0	110.2	47.2	2.4	5.2	7.1	7.4	394.0
	30 yr	14.9	11.6	21.4	24.8	41.7	57.6	39.0	37.9	34.3	13.7	14.3	17.3	328.5
Lacombe AAF - Area 3														
Mean Monthly Temp. (C)	2003	-11.4	-6.2	-13.7	-1.0	7.6	15.3	17.3	13.7	9.1	2.9	-2.0	-11.7	2.2
	2002	-10.3	12.0	-1.2	4.0	10.6	12.7	15.8	16.3	11.5	4.1	-4.6	-12.9	2.2
	2000	-13.1	-9.6	-2.4	3.3	8.6	12.8	16.3	14.4	9.5	4.1	-4.6	-12.9	2.2
	1999	-13.0	-7.1	-4.8	4.9	8.6	12.4	13.9	15.4	9.9	4.6	-2.0	-3.1	3.3
	30 yr	-13.0	-9.9	-3.8	4.1	10.1	13.8	15.5	14.8	9.8	4.6	-5.0	-10.7	2.5
Mean Monthly Precip. (mm)	2003	18.7	8.3	18.0	27.8	36.6	12.7	35.8	66.6	38.8	7.7	15.1	3.7	484.9
	2002	6.1	8.3	18.0	27.8	36.6	12.7	35.8	66.6	38.8	7.7	15.1	3.7	484.9
	2001	2.7	6.7	12.8	5.6	42.4	83.6	121.8	13.6	12.8	14.2	2.8	5.0	484.9
	2000	21.4	8.9	20.8	17.0	50.2	101.2	148.2	66.8	28.4	14.2	2.8	5.0	484.9
	1999	31.8	11.1	13.6	31.7	51.2	60.8	184.4	69.6	4.0	16.4	12.5	7.1	494.2
	30 yr	18.9	14.2	13.4	24.0	61.5	83.3	94.3	71.4	45.6	18.5	16.1	14.7	475.9

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Seasonal Mean or Total
Lethbridge - Area 2 & Ir.														
Mean Monthly Temp. (C)	2003	-4.1	-1.1	-11.2	1.9	8.4	15.4	19.4	15.1	12.0		1.9	-5.8	
	2002	-4.2	-9.9	2.0	4.9	12.8	14.7	18.6	19.9	14.6		-2.1	-9.4	5.4
	2001	-1.9	-5.2	1.6	5.8	10.9	14.8	19.1	17.9	12.7		7.6	-9.4	
	2000	-9.4	0.6	1.0	5.1	9.5	13.4	15.5	18.0	11.7		7.4	3.3	6.7
	1999	-6.0	-4.9	-0.4	6.0	11.4	15.6	18.2	17.6	12.6		7.2	-1.2	5.7
	30 yr	-7.8												
Mean Monthly Precip. (mm)	2003	7.9	21.4	34.3	29.6	38.6	253.1	33.6	42.6	56.2		7.6	1.4	
	2002	4.8	-	12.2	47.1	12.5	53.1	11.2	0.0	6.6		5.0	2.0	290.9
	2001	6.0	22.0	25.5	30.5	14.0	29.5	10.5	14.0	44.0		3.0	6.0	369.6
	2000	8.0	1.6	7.2	25.0	32.6	61.0	72.5	38.5	16.5		18.5	14.8	
	1999	9.5	12.9	27.5	32.9	49.5	53.0	37.2	47.4	40.6		15.1	18.6	
	30 yr	20.1												
Vegreville - Area 3														
Mean Monthly Temp. (C)	2003	-14.3	-6.8	-10.9	-0.8	9.7	16.0	18.1	14.6		0.1	-2.3	-7.9	
	2002	-12.3	-2.1	4.0	10.9	13.2	16.5	16.5	9.1	2.5		-2.5	-8.5	3.2
	2001	-6.6	-4.3	3.5	8.8	13.0	17.1	14.9	10.9	3.8		-6.0		
	2000	-15.2	-10.4	5.3	8.9	13.4	14.8	16.3	10.1	4.3		-3.4	-5.9	
	1999	-15.8	-4.8	4.0	10.5	14.5	16.2	15.3	10.0	4.1		-6.5	-14.3	1.4
	30 yr	-15.7												
Mean Monthly Precip. (mm)	2003	20.6	1.0	11.6	47.5	13.0	7.2	32.4	17.8	11.6		0.4	1.0	238.7
	2002	0.0	5.3	0.7	3.0	73.2	96.0	9.0	12.6	11.4		15.3	1.0	
	2001	7.5	5.3	17.1	40.6	66.0	105.6	43.0	7.0	7.4		19.2	7.6	
	2000	4.1	2.2	23.2	37.3	16.8	71.8	68.0	7.0	7.4		13.4	17.6	402.5
	1999	20.9	14.1	15.9	38.3	72.9	83.2	61.3	41.1	12.1				
	30 yr	14.5												

Provided by the Conservation and Development Branch, AAFRD. This information is based on unverified preliminary data obtained from Environment Canada.

Appendix 2

Saskatchewan Weather Data

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Seasonal Mean or Total
Kindersley (Netherhill)														
Mean Monthly Temperature (C)	2003	-14.3	-13.9	-6.5	4.8	10.9	15.5	19.0	21.0	11.3	6.9	-2.9	-6.8	5.5
	2002	-11.1	-7.2	-14.6	-0.1	8.5	16.7	20.1	15.6	11.5	0.1	-2.9	-6.8	2.5
	2001	-8.7	-16.8	-2.6	-5.9	4.4	14.7	19.0	20.1	14.3	2.9	-0.8	-11.9	2.4
	2000	-15.7	-12.1	-1.5	4.3	10.5	13.7	19.1	17.7	11.4	5.3	3.8	-17.0	3.3
	30yr. Norm	-15.5	-11.8	-5.6	4.1	11.3	16.1	18.3	17.6	11.4	5.1	-5.5	-13.6	2.7
Total Monthly Precipitation (mm)														
	2003	17.8	14.0	4.6	45.8	18.4	65.6	12.6	17.6	17.0	5.6	4.6	5.2	219.0
	2002	1.8	4.4	11.0	11.8	10.6	66.8	85.0	64.2	46.0	36.2	4.6	5.2	347.6
	2001	3.6	8.0	1.8	41.3	4.2	24.2	40.8	1.2	10.2	9.6	6.8	3.6	155.3
	2000	20.6	5.2	17.7	18.2	11.3	43.6	24.9	48.4	46	5.0	7.1	11.6	259.6
	30yr. Norm	14.6	11.9	14.9	19.9	35.6	56.6	55.2	37.9	27.0	13.0	12.5	17.9	317.0
Nipawin														
Mean Monthly Temperature (C)	2003	-18.9	-20.2	-11.0	3.0	12.6	15.6	18.3	19.8	11.2	5.7	-6.5	-10.1	3.6
	2002	-16.3	-10.8	-15.1	-2.3	6.6	16.8	20.2	16.9	11.3	-1.1	-6.5	-10.1	0.8
	2001	-10.9	-18.5	-5.9	-8.3	3.6	14.0	18.5	18.7	13.2	2.3	-2.3	-14.5	0.8
	2000	-20.9	-12.6	-2.7	2.3	9.1	13.0	17.9	16.9	10.8	4.4	3.0	-23.3	1.5
	30yr. Norm	-20.0	-16.3	-9.3	2.3	10.7	15.7	18.0	16.6	10.3	4.3	-6.8	-15.8	0.8
Total Monthly Precipitation (mm)														
	2003	6.8	14.0	12.0	29.8	57.8	55.0	47.6	48.0	27.4	31.4	2.6	41.8	329.8
	2002	9.0	9.6	12.2	28.6	7.0	75.6	18.6	69.8	63.0	26.8	2.6	41.8	364.6
	2001	6.4	11.2	1.6	73.4	13.2	84.6	120.0	17.8	3.2	8.8	8.4	12.2	360.8
	2000	25.6	13.8	4.2	11.8	60.6	111.6	182.2	67.8	14.4	0.0	30.0	25.4	547.4
	30yr. Norm	14.5	13.3	20.0	21.9	46.3	73.7	70.3	60.8	40.8	21.0	21.2	19.8	423.6

Outlook (PFRA)

Mean Monthly Temperature (C)	
2003	-13.6
2002	-11.1
2001	-7.2
2000	-14.2
30yr. Norm	-15.5
2003	-13.4
2002	-5.5
2001	-15.5
2000	-9.1
30yr. Norm	-11.8
2003	-6.8
2002	-11.9
2001	-1.6
2000	-0.2
30yr. Norm	-5.3
2003	5.6
2002	-0.8
2001	-4.8
2000	4.8
30yr. Norm	4.6
2003	12.2
2002	9.8
2001	5.8
2000	11.8
30yr. Norm	11.8
2003	16.2
2002	17.3
2001	15.2
2000	14.4
30yr. Norm	16.6
2003	19.8
2002	20.4
2001	19.7
2000	19.2
30yr. Norm	19.0
2003	21.0
2002	17.2
2001	19.8
2000	17.9
30yr. Norm	18.0
2003	12.3
2002	12.2
2001	14.7
2000	12.7
30yr. Norm	12.0
2003	8.0
2002	1.0
2001	3.9
2000	5.7
30yr. Norm	5.9
2003	-2.5
2002	-5.9
2001	10.4
2000	-17.0
30yr. Norm	-12.7
2003	6.1
2002	3.4
2001	5.1
2000	4.3
30yr. Norm	3.2

Total Monthly Precipitation (mm)	
2003	17.3
2003irrig	0.0
2002	0.6
2002irrig	0.0
2001	1.0
2001irrig	0.0
2000	29.3
2000irrig	0.0
1999	3.6
30yr. Norm	14.8
2003	30.3
2003irrig	0.0
2002	0.0
2002irrig	0.0
2001	7.1
2001irrig	0.0
2000	7.9
2000irrig	0.0
1999	4.0
30yr. Norm	13.0
2003	9.7
2003irrig	0.0
2002	2.8
2002irrig	0.0
2001	6.6
2001irrig	0.0
2000	12.7
2000irrig	0.0
1999	4.4
30yr. Norm	17.9
2003	61.0
2003irrig	0.0
2002	9.6
2002irrig	0.0
2001	8.7
2001irrig	0.0
2000	33
2000irrig	0
1999	12.0
30yr. Norm	17.9
2003	27.8
2003irrig	50.0
2002	14.0
2002irrig	55.0
2001	24.2
2001irrig	75.0
2000	15.4
2000irrig	50.8
1999	61.4
30yr. Norm	39.3
2003	41.6
2003irrig	140.0
2002	22.8
2002irrig	200.0
2001	99.2
2001irrig	75.0
2000	82.2
2000irrig	145.0
1999	91.2
30yr. Norm	60.4
2003	12.8
2003irrig	125.0
2002	54.4
2002irrig	75.0
2001	2.4
2001irrig	100.0
2000	49.5
2000irrig	75.0
1999	37.8
30yr. Norm	34.2
2003	27.8
2003irrig	40.0
2002	39.2
2002irrig	25.0
2001	13.4
2001irrig	75.0
2000	34.6
2000irrig	6.1
1999	11.6
30yr. Norm	28.6
2003	19.8
2003irrig	0.0
2002	34.4
2002irrig	0.0
2001	27.6
2001irrig	3.4
2000	56.2
2000irrig	31.4
1999	2.4
30yr. Norm	13.6
2003	0.0
2003irrig	0.0
2002	14.2
2002irrig	21.0
2001	6.8
2001irrig	0.0
2000	56.2
2000irrig	0.0
1999	10.2
30yr. Norm	12.8
2003	0.0
2003irrig	0.0
2002	2.5
2002irrig	7.5
2001	13.8
2001irrig	2.4
2000	249.6
2000irrig	347.2
1999	2.0
30yr. Norm	2.0

Saskatoon (Kernen)

Mean Monthly Temperature (C)	
2003	-16.6
2002	-13.2
2001	-9.4
2000	-17.3
30yr. Norm	-17.5
2003	-16.1
2002	-8.7
2001	-17.6
2000	-11.2
30yr. Norm	-13.9
2003	-8.9
2002	-14.1
2001	-3.4
2000	-2.0
30yr. Norm	-7.0
2003	5.4
2002	-0.8
2001	4.2
2000	3.2
30yr. Norm	3.9
2003	12.1
2002	8.3
2001	11.8
2000	9.9
30yr. Norm	11.5
2003	15.8
2002	17.2
2001	15.1
2000	14.0
30yr. Norm	16.2
2003	18.9
2002	20.3
2001	19.4
2000	18.3
30yr. Norm	18.6
2003	20.9
2002	16.4
2001	19.8
2000	16.4
30yr. Norm	17.4
2003	11.4
2002	11.8
2001	13.5
2000	11.5
30yr. Norm	11.2
2003	6.4
2002	-0.4
2001	2.1
2000	4.4
30yr. Norm	4.8
2003	-4.3
2002	-8.8
2001	-13.2
2000	-19.6
30yr. Norm	-14.7
2003	21.5
2002	8.0
2001	0.0
2000	6.2
30yr. Norm	12.9
2003	15.6
2002	11.5
2001	0.0
2000	13.6
30yr. Norm	16.0
2003	48.0
2002	17.9
2001	0.0
2000	26.6
30yr. Norm	19.7
2003	9.5
2002	2.0
2001	26.4
2000	15.2
30yr. Norm	44.2
2003	18.9
2002	56.5
2001	53.6
2000	74.2
30yr. Norm	58.0
2003	29.2
2002	76.0
2001	11.4
2000	37.8
30yr. Norm	36.8
2003	26.0
2002	28.0
2001	11.2
2000	19.2
30yr. Norm	32.1
2003	10.0
2002	28.7
2001	0.0
2000	0.8
30yr. Norm	16.9
2003	2.5
2002	7.5
2001	13.8
2000	2.4
30yr. Norm	14.1
2003	231.2
2002	307.2
2001	154.7
2000	249.6
30yr. Norm	347.2

Swift Current (CDA)

Mean Monthly Temperature (C)	2003	-10.8	-11.9	-5.3	5.7	10.6	14.8	19.7	21.4	12.0	8.4	6.5
	2002	-8.7	-4.8	-14.2	-0.4	8.3	15.8	19.7	15.2	12.2	0.4	3.1
	2001	-5.2	-13.9	-0.9	-3.9	5.1	15.2	19.4	20.8	15.1	4.2	4.1
	2000	-11.5	-8.0	-0.9	4.6	11.1	13.4	19.2	18.1	12.4	6.3	4.6
	30yr. Norm	-12.8	-9.6	-3.9	4.5	11.0	15.7	18.4	17.9	11.7	5.9	3.7

Total Monthly Precipitation (mm)

	2003	30.0	21.0	11.5	36.2	32.3	64.0	5.5	17.0	37.0	9.5	264.0
	2002	8.0	7.0	22.5	15.0	15.8	132.9	59.0	122.7	47.5	50.2	511.7
	2001	6.5	6.5	3.0	81.6	6.1	25.0	70.5	4.5	4.5	20.7	237.4
	2000	10.9	17.2	16.1	26.3	21.6	72.2	98	23	43.7	34.0	463.7
	30yr. Norm	15.3	13.6	17.5	21.8	42.1	66.1	44.0	35.4	30.9	15.4	330.3

Yorkton (Canora)

Mean Monthly Temperature (C)	2003	-16.9	-18.3	-10.0	4.3	11.9	16.2	19.0	20.3	11.0	5.7	4.3
	2002	-13.7	-9.5	-14.9	-0.8	6.9	16.6	19.4	16.2	11.8	-1.2	1.3
	2001	-10.2	-18.4	-6.9	-8.2	2.9	14.6	18.6	19.2	12.9	2.6	1.3
	2000	-16.7	-9.7	-1.3	3.2	10.3	13.1	18.5	17.3	11.2	5.2	2.7
	30yr. Norm	-18.4	-15.0	-8.2	2.7	10.6	15.8	18.2	16.9	10.8	4.6	1.4

Total Monthly Precipitation (mm)

	2003	5.2	14.0	15.8	52.0	41.8	27.4	46.0	31.4	33.2	22.6	289.4
	2002	9.6	1.6	13.8	18.4	14.4	103.0	33.0	109.0	34.0	19.3	404.5
	2001	2.2	12.4	6.6	122.0	19.2	35.2	33.0	13.6	48.4	20.8	338.4
	2000	15.4	0.4	6	23.4	29.4	93	59.2	47	54.2	5.0	461.6
	30yr. Norm	21.3	16.3	24.9	22.3	49.2	71.9	66.3	55.6	47.7	24.5	438.8

Note: values in italics are estimates

**Western Forage Testing Coordinating Committee
Application for Entry into Registration Trials**

1. **Species**
2. **Experimental Name or Number**
3. **Cultivar Name (if named)**
4. **Applicant Name (Canadian sponsor) and Address**
5. **Breeder's Name and Address**
6. **Seed Origin: Outline the procedure for producing the seed that has been submitted; include the location, year and procedure for producing each synthetic seed generation.**
7. **Brief Cultivar Description**
8. **Maturity: Indicate the relative maturity (early, medium, late) if applicable.**
9. **Specialty Traits: Other noteworthy traits of the entry, if applicable.**

Note:

Seed entering Canada from the U.S.A. must have a purity and germination certification from a lab using official Canadian Methods and Procedures for Testing Seed. Seed sent without his certificate will not be accepted.

Send applications for entries, seed and fees to:

**Henry Najda
Crop Diversification Centre South
SS 4
Brooks, AB T1R 1E6**

**Phone: (403) 362-1346
Fax: (403) 362-1306
e-mail : henry.najda@gov.ab.ca**

Deadlines:	Entries -	February 15
	Seed & Fees -	March 15