

**Alberta Agriculture
Food and Rural Development**

**Saskatchewan
Agriculture & Food**

**Manitoba
Agriculture**

**WFTEST:
The Western Forage
Testing System
Report
2002**

**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 variety 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 recommendation of forage cultivars across Alberta, Saskatchewan and Manitoba.

The goals of this system are:

To streamline and coordinate the registration and recommendation process. The tests will provide sufficient data for simultaneous consideration for registration and recommendation in Saskatchewan and Manitoba; testing at an additional three sites are required for recommendation in Alberta

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 ensure that the tests are uniform and the sites inspected

Members of the Western Forage Testing Coordinating Committee are listed on page 5.

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*

Application forms must be received by the WFTest Coordinator 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 16 core sites is \$2,000 per entry.

2.5 *WFTest Coordinator*

Arvid Aasen is the WFTest Coordinator for all species. His address is listed on page 5.

3. **General Information**

3.1 **Sites**

a) Manitoba

Four core sites are designated in Manitoba:

- Arborg (black)
- Neepawa (black)
- Roblin (black)
- St-Pierre-Jolys (black)

b) Saskatchewan

Four core sites are designated in Saskatchewan:

- Swift Current (brown)
- Saskatoon (dark brown)
- Nipawin / Tisdale (grey wooded)
- Outlook (irrigated)

Additional sites if supplementary funding obtained:

- Canora (black)
- Netherhill (brown)

c) Alberta

Eight core to a maximum of 12 sites will be designated in Alberta depending on species adaptation to soil zone:

- Brooks & Oyen (brown) Area-1
- Provost & Lethbridge (dark brown) Area-2
- Lacombe & Vegreville (black) Area-3
- Fort Kent & Westlock (grey wooded) Area-4
- Falher & High Prairie (grey wooded Peace Region) Area-5
- Brooks & Lethbridge (irrigated)

3.2 **Seeding Schedules**

New trials of alfalfa will be seeded every year. New trials of other legumes and grasses will be seeded as required. 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 rate to be based on Provincial Recommendations and will be calculated on a pure live seeds per meter of row basis.

3.4 *Check Varieties*

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

Alfalfa: Beaver, AC Blue J, Rambler, Rangelander
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 Grass: Prairieland
Russian wildrye Grass: 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
Westerwold annual ryegrass: Aubade
Italian ryegrass: Maris Ledger

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

4. *Site Inspection*

All sites will be visited prior to first harvest each year by members of the provincial forage variety registration subcommittees. Visits will be organized by WFTest members in each province and information reported immediately to WFT coordinator. Tests will then be: a) accepted, b) conditionally accepted (eg. certain plots or replicates may not be harvested), or c) rejected.

5. ***Data Collection***

The following data will be recorded for all plots:

Spring stand when 25 cm high

- 0 = not there
- 1 = mostly not there
- 2 = mostly there
- 3 = all there

A minimum of two forage harvests and a third if warranted. No harvests will be taken during a fall rest period, the dates of which will correspond to local climatic conditions

Verticillium wilt screening will be done by the Lethbridge Research Station

Legume tests will be harvested at the beginning of bloom, grass tests at full heading.

Data will be collected for a minimum of three successive harvest years. All trial data will be reported. **Trial data with CV's of 20% or higher will be noted.**

6. ***Data Management***

Each province will be responsible for their own data management and statistical analysis.

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 5.

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

Alberta

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fax: (204)376-5095
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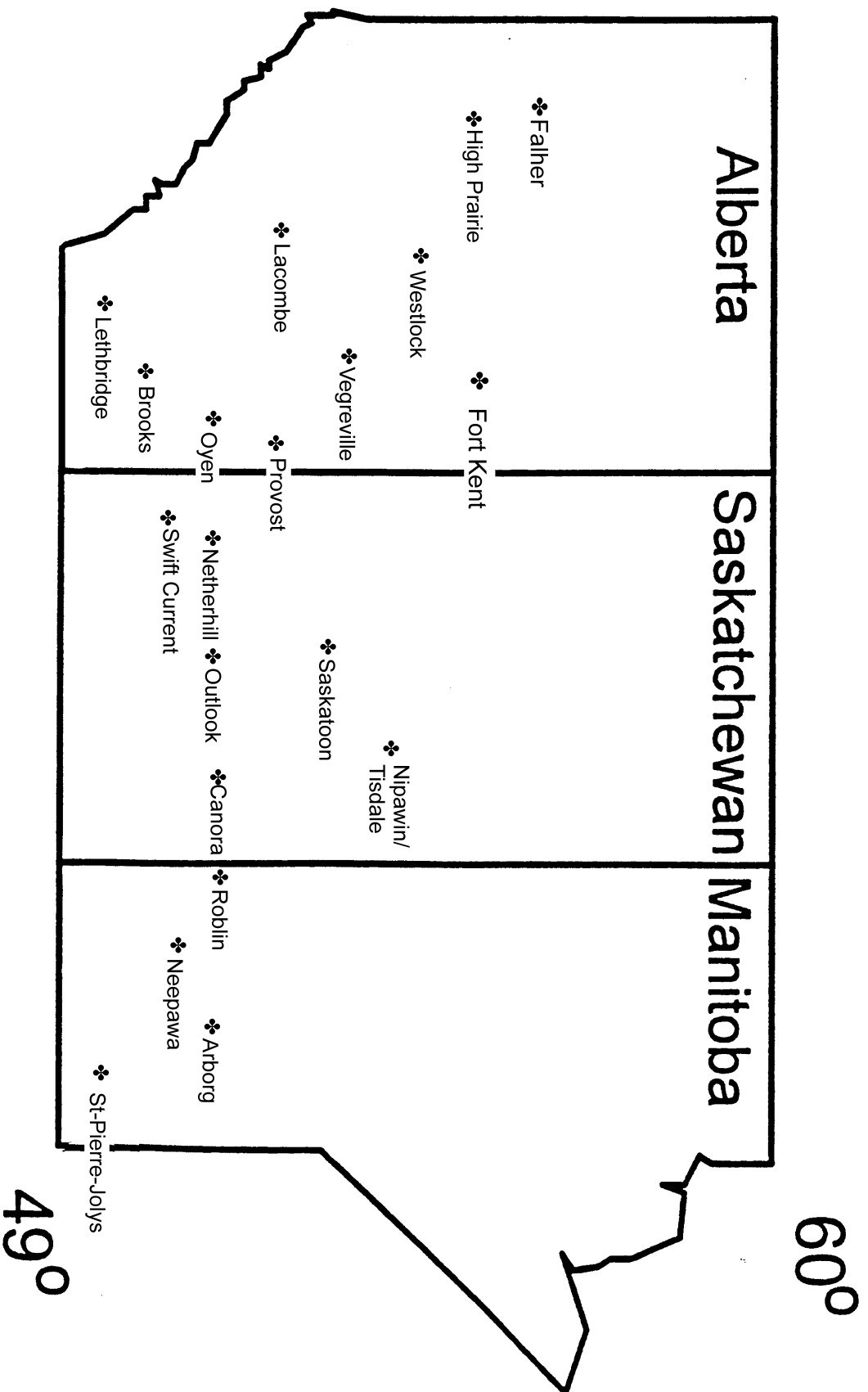
Saskatchewan

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Western Forage Testing Coordinating Committee

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WFTTEST SITES



Species and Origin of Entries in WFTesting System

Alfalfa 1997

1.	Spur	Allied Seed
2.	97CR1	Forage Genetics
3.	HayGrazer	Northstar Seed
4.	NS 3317 (Rhino)	
5.	Proleaf	Oseco
6.	Quattro HR	
7.	SF 9001	
8.	ABI 9141 (TrueNorth)	Pickseed Canada
9.	X53V08 (53V08)	Pioneer
10.	PVN 1207	Proven Seeds
11.	PVN 1208	
12.	PVN 1209	
13.	5301 (Multi 5301) Manitoba only	Interlake Forage Seed
14.	Anchor (Barrier, Irr only)	Check
15.	Beaver	
16.	Rambler	

Alfalfa 1998

1.	4321	Northstar Seed
2.	5301 (Multi 5301)	Interlake Forage Seed
3.	R801	Proven Seed
4.	Spredor GT (Spredor 4)	
5.	ZG 9711C	
6.	ZG9721 (AmeriaStand 201+Z)	
7.	WL 232HQ	WL Research
8.	CW 5302	Cal-West Seeds
9.	CW 5440 (WinterGold)	
10.	53Q60	Pioneer
11.	Anchor	Check
12.	Beaver	
13.	Rambler	
14.	Barrier (Irr only)	

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		
15.	SL 9002		
16.	DS 9923		Brett-Young
17.	DS 9224		
18.	DS 9225		
19.	DS 9227		
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		Pickseed
3.	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	(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		

Clovers 1999

1.	NSCL 29	Alsike Clover	Newfield Seeds
2.	BOR 2222		Parsons Seeds
3.	Aurora		Check
4.	Vivi	Red Clover	Proven
5.	Altaswede		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

Timothy 1999

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

Timothy 1999

- | | | |
|----|-----------------|----------------|
| 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 |

Dormant seeding 2000

- | | | | |
|----|---------|-----------------------|-----------------|
| 1. | Ajax | Lolium mult. | DLF – Trifolium |
| 2. | Sikem | | |
| 3. | Advance | Lol. Mult. Westerwold | |
| 4. | Perun | Festulolium | |
| 5. | Lofa | | |
| 6. | Calibra | Lolium per. | |
| 7. | Norlea | | Check |
| 8. | Aubade | Westerwold | |

WFT ALFALFA 1997 ST. PIERRE MB Area-3
(seeded 1999)

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 20JUL02	CUT 2 17SEP02	CUT 3 .		
PROLEAF	6352	3977	.	10329	114
RHINO	6501	3701	.	10202	112
TRUENORTH	6182	3966	.	10147	112
PVN 1208	6287	3595	.	9881	109
PVN 1209	6293	3576	.	9869	109
PVN 1207	6060	3554	.	9614	106
QUATTRO HR	6059	3470	.	9529	105
SPUR	6020	3460	.	9480	104
SF 9001	5958	3452	.	9410	104
53V08	5737	3474	.	9212	101
HAYGRAZER	5402	3776	.	9178	101
97CR1	5771	3353	.	9124	100
ANCHOR	5666	3443	.	9109	100
BEAVER	5696	3386	.	9082	100
RAMBLER	5570	3338	.	8909	98
Mean	5977	3567	.	9545	
CV (%)	8.0	11.2	.	10.0	
LSD(0.05)	682	569	.	951	

WFT ALFALFA 1998 TISDALE SK Area-4
(seeded 1999)

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 .	CUT 2 26AUG02	CUT 3 .		
R801	.	2715	.	2715	117
CW 5302	.	2656	.	2656	114
RAMBLER	.	2445	.	2445	105
WINTERGOLD	.	2430	.	2430	105
ZG 9711C	.	2378	.	2378	102
ZG 9721	.	2347	.	2347	101
BEAVER	.	2323	.	2323	100
53Q60	.	2231	.	2231	96
MULTI5301	.	2218	.	2218	95
SPREDOR 4	.	2094	.	2094	90
4321	.	2079	.	2079	89
WL 232HQ	.	2011	.	2011	87
ANCHOR	.	1849	.	1849	80
Mean	.	2290	.	2290	
CV (%)	.	21.0	.	21.0	
LSD (0.05)	.	686	.	686	

* Please note trial CV over 20 % *

WFT ALFALFA 1998 ST. PIERRE MB Area-3
(seeded 1999)

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 12JUL02	CUT 2 17SEP02	CUT 3 .		
ZG 9711C	5260	2460	.	7721	106
MULTI5301	5125	2594	.	7719	106
AMERISTAND 201+Z	5305	2360	.	7664	105
WINTERGOLD	5274	2347	.	7621	104
WL 232HQ	5130	2407	.	7538	103
CW 5302	5197	2320	.	7517	103
4321	5139	2321	.	7460	102
53Q60	5163	2265	.	7428	102
SPREDOR 4	5098	2268	.	7366	101
R801	5044	2301	.	7345	101
ANCHOR	5019	2279	.	7298	100
BEAVER	5028	2268	.	7296	100
RAMBLER	4955	2258	.	7213	99
Mean	5134	2342	.	7476	
CV (%)	10.5	13.6	.	9.6	
LSD (0.05)	774	456	.	1024	

WFT ALFALFA 1999 LETHBRIDGE AB Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 18JUL02	CUT 2 22AUG02	CUT 3 10OCT02		
DS 9927	6494	2028	963	9486	172
SL 9902	5674	1800	1191	8666	157
SL 9900	5633	1933	945	8511	154
CW 4223	5459	1955	936	8350	151
C227	4998	2102	1100	8200	149
PICKSEED 3030	5429	1624	1100	8152	148
RAMBLER	7252	757	136	8145	148
PICKSEED 2065MF	5152	1734	1136	8023	145
GENEVA	5009	1903	973	7885	143
R923	5142	1617	1009	7767	141
CW 6408	5316	1668	664	7648	139
DS 9924	5541	1382	691	7614	138
WL 327	4753	1852	873	7477	135
ANCHOR	4691	1602	927	7220	131
DS 9925	4292	1830	1073	7194	130
SL 9901	5091	1492	600	7182	130
DS 9928	4916	1286	664	6866	124
DS 9929	4568	1609	627	6805	123
GIBRALTAR	4445	1374	682	6501	118
R922	4507	1360	618	6484	117
DS 9923	3913	1565	927	6405	116
ZG 9831	3780	1793	718	6291	114
4241	4107	1404	245	5756	104
BEAVER	3933	1360	227	5520	100
Mean	5034	1636	793	7462	
*CV (%)	11.8	17.4	29.1	12.6	
LSD (0.05)	1430	675	555	2329	

* square root transformation

WFT ALFALFA 1999 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 13AUG02	CUT 3 02OCT02		
SL 9902	2909	3133	2472	8514	122
DS 9929	2897	2991	2243	8131	117
SL 9901	2781	2962	2288	8031	115
SL 9900	2875	2859	2296	8030	115
ZG 9831	2948	3185	1851	7985	115
CW 4223	2726	3296	1932	7955	114
DS 9925	2669	2978	2239	7887	113
DS 9927	2663	3051	2073	7788	112
R922	2720	2904	2147	7771	111
RAMBLER	3287	3247	1189	7722	111
PICKSEED 2065MF	2433	2901	2248	7582	109
GENEVA	2120	2926	2372	7418	106
R923	2457	2704	2080	7241	104
DS 9923	2264	2741	1992	6997	100
BEAVER	2374	3056	1540	6970	100
DS 9928	2326	2597	1802	6725	96
ANCHOR	2307	2561	1773	6641	95
DS 9924	2256	2366	1855	6477	93
4241	2145	2793	1533	6471	93
CW 6408	2036	2395	1854	6285	90
C227	2086	2331	1791	6208	89
WL 327	1907	2070	1629	5606	80
PICKSEED 3030	1751	1993	1405	5149	74
GIBRALTAR	1677	1607	1482	4767	68
Mean	2442	2735	1920	7098	
CV (%)	18.4	18.5	18.9	15.7	
LSD (0.05)	634	714	512	1575	

WFT ALFALFA 1999 BOW ISLAND AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 20JUN02	CUT 2 01AUG02	CUT 3 17SEP02		
DS 9923	6233	5577	2788	14597	120
R923	6066	5595	2877	14537	120
ANCHOR	6280	5579	2672	14530	120
PICKSEED 2065MF	6059	5666	2747	14472	119
DS 9928	5786	5441	2869	14097	116
R922	6295	5073	2631	13999	115
DS 9925	5934	5110	2953	13997	115
GENEVA	5649	5284	2794	13728	113
DS 9929	5569	5330	2701	13600	112
WL 327	5660	5213	2692	13565	112
GIBRALTAR	5494	5381	2613	13488	111
SL 9902	5759	4922	2785	13466	111
DS 9927	5379	5330	2645	13353	110
PICKSEED 3030	5248	5430	2657	13335	110
SL 9901	5665	5055	2559	13278	109
SL 9900	5547	4913	2813	13273	109
DS 9924	5556	5024	2684	13264	109
BARRIER	5616	5065	2371	13052	108
ZG 9831	5711	5064	2276	13051	108
BEAVER	6025	4636	1475	12137	100
4241	5005	4480	2020	11505	95
Mean	5740	5198	2601	13539	
CV (%)	8.9	6.5	9.4	5.6	
LSD (0.05)	719	478	345	1078	

WFT ALFALFA 1999 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 21JUN02	CUT 2 02AUG02	CUT 3 23SEP02		
SL 9900	4996	4564	3053	12613	113
GIBRALTAR	4594	4756	3015	12366	110
DS 9923	4651	4346	3255	12252	109
GENEVA	4430	4415	3289	12134	108
SL 9902	4491	4428	3166	12085	108
DS 9925	4510	4290	3213	12013	107
PICKSEED 3030	4668	4296	3031	11995	107
ANCHOR	4504	4418	2952	11874	106
R923	4636	4071	3125	11832	106
PICKSEED 2065MF	4129	4456	3178	11763	105
DS 9927	4316	4166	3172	11654	104
DS 9928	4488	4030	3112	11629	104
DS 9924	4036	4537	3013	11585	103
DS 9929	4311	4066	3151	11529	103
ZG 9831	4559	4128	2839	11525	103
R922	4715	3874	2931	11520	103
SL 9901	4302	4055	3098	11454	102
WL 327	4170	4224	3019	11413	102
BARRIER	4558	3891	2808	11257	101
BEAVER	4506	4201	2491	11198	100
4241	4146	3907	2383	10436	93
Mean	4463	4244	3014	11720	
CV (%)	7.9	13.6	7.3	6.4	
LSD (0.05)	NS	NS	312	NS	

WFT ALFALFA 1999 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 16JUL02	CUT 2 21AUG02	CUT 3 16OCT02		
R922	5018	2986	2186	10189	137
CW 6408	5118	3069	1928	10116	136
GENEVA	4992	3056	2025	10073	135
R923	4707	2972	1853	9532	128
PICKSEED 2065MF	4606	3049	1864	9519	128
PICKSEED 3030	4581	2671	2175	9427	127
CW 4223	4707	2895	1714	9316	125
WL 327	4296	2839	2143	9277	125
SL 9901	4959	2692	1543	9194	124
BARRIER	4992	2685	1414	9092	122
DS 9929	4841	2664	1403	8909	120
DS 9927	4741	2510	1650	8901	120
GIBRALTAR	5009	2412	1457	8878	119
DS 9925	4640	2629	1564	8833	119
ANCHOR	5093	2356	1296	8746	118
DS 9923	4095	2972	1607	8673	117
DS 9924	4590	2489	1500	8579	115
C227	4766	2321	1489	8576	115
SL 9902	4380	2573	1564	8517	114
SL 9900	4984	2175	1328	8487	114
ZG 9831	4808	2440	953	8202	110
DS 9928	4195	2398	1607	8201	110
BEAVER	4573	2237	632	7442	100
4241	4028	1923	600	6550	88
Mean	4693	2625	1566	8884	
*CV(%)	6.4	5.4	13.1	5.0	
LSD(0.05)	703	328	424	1033	

* square root transformation

WFT ALFALFA 1999 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 05JUL02	CUT 2 30AUG02	CUT 3 .		
WL 327	2297	1802	.	4099	102
ZG 9831	2796	1279	.	4075	102
DS 9929	2561	1479	.	4041	101
BEAVER	2726	1279	.	4005	100
SL 9902	2502	1444	.	3946	99
PICKSEED 3030	2430	1377	.	3877	97
RAMBLER	2744	1126	.	3870	97
CW 6408	2374	1399	.	3773	94
CW 4223	2366	1399	.	3765	94
ANCHOR	2540	1137	.	3678	92
C227	2271	1389	.	3661	91
SL 9900	2281	1331	.	3613	90
DS 9925	2228	1303	.	3531	88
DS 9928	2234	1234	.	3468	87
4241	2365	1086	.	3452	86
DS 9923	2208	1195	.	3403	85
DS 9924	2093	1305	.	3399	85
R922	2117	1246	.	3363	84
DS 9927	2099	1255	.	3354	84
PICKSEED 2065MF	2172	1178	.	3350	84
SL 9901	2077	1238	.	3315	83
GENEVA	2037	1271	.	3308	83
R923	1809	1163	.	2973	74
GIBRALTAR	1839	1081	.	2921	73
Mean	2298	1291	.	3590	
CV (%)	13.9	18.8	.	13.6	
LSD (0.05)	456	NS	.	688	

* LS means adjusted by moving means

WFT ALFALFA 1999 SASKATOON SK Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 12JUL02	CUT 2 09SEP02	CUT 3 .		
ANCHOR	726	2700	.	3427	110
PICKSEED 3030	868	2485	.	3354	107
ZG 9831	587	2698	.	3286	105
SL 9900	912	2326	.	3239	104
BEAVER	827	2302	.	3129	100
DS 9929	640	2476	.	3116	100
DS 9928	659	2406	.	3065	98
GIBRALTAR	656	2355	.	3011	96
C227	650	2341	.	2991	96
SL 9902	815	2159	.	2975	95
CW 6408	751	2194	.	2945	94
SL 9901	741	2142	.	2883	92
DS 9925	628	2240	.	2868	92
R922	684	2163	.	2847	91
DS 9927	590	2157	.	2747	88
CW 4223	767	1941	.	2708	87
DS 9923	579	2115	.	2693	86
GENEVA	545	2147	.	2692	86
DS 9924	635	2038	.	2673	85
WL 327	551	2071	.	2622	84
R923	554	1939	.	2493	80
PICKSEED 2065MF	586	1821	.	2407	77
4241	507	1870	.	2377	76
RAMBLER	692	1545	.	2237	71
Mean	673	2193	.	2866	
CV (%)	22.6	21.4	.	18.7	
LSD (0.05)	215	663	.	758	

WFT ALFALFA 1999 CANORA SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 08JUL02	CUT 2 23AUG02	CUT 3 .		
ANCHOR	4075	3785	.	7860	120
CW 4223	4124	3714	.	7838	120
SL 9902	4946	2879	.	7825	120
ZG 9831	3919	3741	.	7659	117
CW 6408	3590	3844	.	7434	114
SL 9900	3913	3444	.	7356	113
GENEVA	3612	3374	.	6985	107
DS 9924	3668	3295	.	6963	107
DS 9928	3760	3192	.	6951	106
SL 9901	3657	3106	.	6763	103
BEAVER	3758	2780	.	6538	100
R922	3272	3005	.	6277	96
DS 9925	3176	2819	.	5995	92
4241	3097	2789	.	5886	90
R923	2999	2795	.	5793	89
DS 9929	3356	2414	.	5770	88
WL 327	2871	2868	.	5739	88
DS 9927	3052	2507	.	5559	85
PICKSEED 2065MF	2999	2556	.	5555	85
DS 9923	2799	2635	.	5434	83
RAMBLER	3503	1779	.	5282	81
PICKSEED 3030	2752	2211	.	4963	76
GIBRALTAR	2593	2109	.	4701	72
C227	2108	2218	.	4326	66
Mean	3400	2911	.	6311	
CV (%)	20.0	23.0	.	20.0	
LSD (0.05)	975	944	.	1781	

WFT ALFALFA 1999 TISDALE SK Area-4

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 04JUL02	CUT 2 26AUG02	CUT 3 .		
BEAVER	1542	2949	.	4490	100
DS 9927	1250	3164	.	4414	98
DS 9929	1894	2507	.	4401	98
R922	1728	2655	.	4383	98
DS 9924	1736	2509	.	4245	95
WL 327	1423	2800	.	4223	94
ANCHOR	1391	2681	.	4072	91
PICKSEED 2065MF	1360	2705	.	4064	91
DS 9925	1505	2552	.	4056	90
PICKSEED 3030	1472	2565	.	4037	90
RAMBLER	1328	2695	.	4023	90
GIBRALTAR	1629	2369	.	3997	89
DS 9928	1239	2757	.	3996	89
SL 9900	1419	2547	.	3965	88
C227	1126	2732	.	3858	86
CW 6408	1167	2637	.	3804	85
DS 9923	1013	2775	.	3787	84
GENEVA	1310	2393	.	3703	82
ZG 9831	1173	2530	.	3703	82
4241	1317	2368	.	3685	82
R923	1249	2416	.	3665	82
SL 9901	976	2638	.	3614	80
SL 9902	1131	2258	.	3389	75
CW 4223	1181	2146	.	3327	74
Mean	1357	2598	.	3954	
CV (%)	23.0	12.0	.	12.0	
LSD (0.05)	445	423	.	668	

WFT ALFALFA 1999 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 31JUL02	CUT 3 24SEP02		
SL 9902	4303	3782	2567	10653	121
SL 9901	4211	3197	2633	10040	114
R923	4309	3408	2232	9950	113
WL 327	4507	3271	2021	9798	112
GIBRALTAR	4326	3287	2137	9750	111
DS 9923	4363	3296	1944	9603	109
ZG 9831	4375	2785	2427	9587	109
CW 6408	4308	3136	1989	9433	107
PICKSEED 2065MF	3950	3467	1986	9403	107
CW 4223	4086	3133	2139	9358	107
C227	3962	2870	2524	9355	106
DS 9924	4095	3145	2096	9336	106
DS 9929	4171	3238	1925	9333	106
BARRIER	3902	3213	2166	9281	106
4241	4116	2933	2014	9063	103
PICKSEED 3030	3637	3087	2322	9045	103
R922	4098	2966	1926	8989	102
ANCHOR	4144	2748	2085	8977	102
DS 9925	4329	2824	1763	8916	101
SL 9900	4040	2864	1924	8827	100
GENEVA	3574	3076	2159	8809	100
BEAVER	4114	2697	1974	8785	100
DS 9927	3926	2823	1929	8677	99
DS 9928	3683	3018	1951	8651	98
Mean	4105	3094	2118	9317	
CV (%)	13.3	19.5	23.1	11.8	
LSD (0.05)	770	853	689	1552	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 21JUN02	CUT 2 03AUG02	CUT 3 .		
GENEVA	4363	2911	.	7274	109
PICKSEED 3030	4480	2779	.	7259	108
CW 4223	4212	3010	.	7222	108
DS 9925	4475	2646	.	7121	106
DS 9923	4424	2687	.	7111	106
WL 327	4164	2759	.	6923	103
CW 6408	3828	3093	.	6921	103
R922	3948	2955	.	6903	103
R923	3984	2911	.	6895	103
ZG 9831	4388	2467	.	6856	102
C227	3966	2849	.	6815	102
PICKSEED 2065MF	4083	2731	.	6813	102
ANCHOR	3887	2909	.	6796	101
SL 9901	3973	2780	.	6752	101
DS 9929	3999	2727	.	6726	100
DS 9927	3975	2730	.	6705	100
BEAVER	3979	2719	.	6698	100
DS 9924	4023	2667	.	6690	100
GIBRALTAR	3968	2694	.	6661	99
RAMBLER	3986	2659	.	6646	99
4241	3909	2714	.	6623	99
DS 9928	3828	2612	.	6440	96
SL 9900	3866	2491	.	6357	95
SL 9902	3344	2547	.	5891	88
Mean	4044	2752	.	6796	
CV (%)	16.3	15.1	.	12.5	
LSD (0.05)	929	585	.	1195	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 29JUL02	CUT 3 .		
ANCHOR	6285	6105	.	12391	111
DS 9929	6593	5197	.	11790	105
DS 9925	5462	6098	.	11561	103
BEAVER	5501	5711	.	11212	100
DS 9928	5467	5725	.	11193	100
RAMBLER	5852	5090	.	10942	98
PICKSEED 3030	4891	5940	.	10831	97
SL 9902	5853	4863	.	10717	96
DS 9924	5157	5409	.	10566	94
C227	4816	5542	.	10358	92
SL 9900	5397	4954	.	10351	92
PICKSEED 2065MF	5045	5172	.	10217	91
DS 9927	5174	5002	.	10176	91
GIBRALTAR	4702	5465	.	10167	91
DS 9923	5322	4829	.	10152	91
SL 9901	5373	4766	.	10139	90
CW 4223	4757	5273	.	10030	89
CW 6408	5141	4662	.	9804	87
WL 327	4864	4933	.	9798	87
R922	4711	5037	.	9749	87
R923	4749	4995	.	9745	87
ZG 9831	4853	4863	.	9717	87
GENEVA	4394	4721	.	9116	81
4241	4641	4116	.	8757	78
Mean	.	.	.	.	.
CV (%)	14.0	14.0	.	9.6	.
LSD (0.05)	860	856	.	1171	.

WFT ALFALFA 1999 ST. PIERRE MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 18JUL02	CUT 2 17SEP02	CUT 3 .		
R922	4871	3214	.	8085	116
WL 327	5353	2631	.	7984	115
DS 9924	5447	2528	.	7974	115
CW 4223	5276	2584	.	7860	113
DS 9928	5086	2721	.	7807	112
GIBRALTAR	5314	2462	.	7776	112
GENEVA	5134	2544	.	7678	111
CW 6408	5098	2571	.	7668	110
DS 9929	5028	2527	.	7555	109
SL 9900	5081	2438	.	7518	108
DS 9927	5055	2403	.	7458	107
DS 9925	4992	2440	.	7432	107
DS 9923	4907	2384	.	7291	105
4241	4887	2403	.	7290	105
ZG 9831	4880	2397	.	7277	105
SL 9901	4952	2320	.	7272	105
SL 9902	4711	2400	.	7111	102
PICKSEED 3030	4801	2201	.	7002	101
BEAVER	4600	2346	.	6946	100
PICKSEED 2065MF	4559	2349	.	6908	99
C227	4613	2288	.	6901	99
R923	4736	2164	.	6899	99
RAMBLER	4502	2361	.	6863	99
ANCHOR	4426	2077	.	6503	94
Mean	4929	2409	.	7339	
CV (%)	7.1	16.9	.	8.1	
LSD (0.05)	494	575	.	835	

WFT ALFALFA 2000 LETHBRIDGE AB Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 18JUL02	CUT 2 23AUG02	CUT 3 .		
CW 73038	5435	2203	.	7638	113
DS380-BY	5674	1677	.	7350	108
CASCADIA ML	5476	1561	.	7037	104
RENAISSANCE	5245	1717	.	6963	103
DS028-BY	5525	1428	.	6953	102
AC BLUE J	5245	1705	.	6951	102
RAMBLER	5978	942	.	6921	102
BEAVER	5394	1393	.	6787	100
DS030-BY	4653	2064	.	6717	99
RANGELANDER	5295	1272	.	6567	97
DS027-BY	4858	1705	.	6564	97
PICKSEED 3008	4562	1925	.	6487	96
DS029-BY	4743	1526	.	6269	92
DS2000	4422	1214	.	5636	83
54V54	4019	1503	.	5522	81
EX101	3475	1538	.	5013	74
Mean	5000	1586	.	6586	
*CV (%)	13.2	10.0	.	11.3	
LSD(0.05)	1396	329	.	1590	

* square root transformation

WFT ALFALFA 2000 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 13AUG02	CUT 3 24SEP02		
DS028-BY	3463	3667	2963	10093	135
54V54	3467	3512	2894	9872	132
RENAISSANCE	3341	3747	2655	9744	130
DS380-BY	3376	3607	2695	9678	130
AC BLUE J	3680	3303	2577	9560	128
DS027-BY	3252	3327	2875	9454	127
CW 73038	3334	3254	2779	9367	125
EX101	3141	3457	2600	9199	123
DS2000	3087	3660	2438	9184	123
DS030-BY	2962	3322	2848	9133	122
DS029-BY	3055	3350	2664	9069	121
CASCADIA ML	2908	3315	2580	8803	118
RAMBLER	3442	3560	1731	8733	117
RANGELANDER	3612	3358	1589	8559	115
BEAVER	2578	2996	1894	7468	100
PICKSEED 3008	2215	2354	2079	6647	89
Mean	3182	3362	2491	9035	
CV (%)	16.5	10.7	9.6	9.4	
LSD (0.05)	747	514	341	1207	

WFT ALFALFA 2000 BOW ISLAND AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 01AUG02	CUT 3 17SEP02		
DS027-BY	6853	5767	3058	15678	111
RENAISSANCE	6368	6089	3090	15548	110
AC BLUE J	6349	5729	2977	15055	106
DS029-BY	6305	5486	3232	15023	106
CW 73038	6116	5620	3156	14892	105
DS028-BY	6301	5378	3048	14727	104
CASCADIA ML	6010	5720	2945	14674	104
EX101	6191	5447	3036	14674	104
DS380-BY	5845	5570	2980	14395	102
DS030-BY	5960	5197	3197	14354	101
54V54	5843	5335	3078	14256	101
BEAVER	6711	5388	2061	14160	100
DS2000	5980	5043	2830	13853	98
PICKSEED 3008	5088	5435	2939	13461	95
RAMBLER	6256	4564	1920	12740	90
RANGELANDER	6156	4641	1849	12646	89
Mean	6146	5401	2837	14383	
CV (%)	10.3	8.0	7.3	6.6	
LSD (0.05)	NS	619	295	1356	

WFT ALFALFA 2000 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 24JUN02	CUT 2 09AUG02	CUT 3 23SEP02		
DS027-BY	6435	5591	3416	15443	110
AC BLUE J	7255	5101	3080	15437	110
54V54	6737	5227	3420	15385	109
RENAISSANCE	6250	5604	3501	15356	109
CW 73038	6466	5415	3450	15330	109
DS380-BY	6241	5314	3611	15166	108
DS028-BY	6583	5309	3197	15089	107
EX101	6249	5408	3364	15021	107
DS029-BY	6402	5039	3496	14938	106
PICKSEED 3008	5907	5341	3452	14701	105
DS030-BY	6080	5209	3389	14678	104
CASCADIA ML	6025	5254	3123	14402	102
BEAVER	6809	4838	2406	14053	100
DS2000	5792	5323	2766	13881	99
RAMBLER	6243	4613	1937	12793	91
RANGELANDER	6108	4684	1951	12743	91
Mean	6349	5205	3098	14651	
CV (%)	9.1	6.8	6.1	5.0	
LSD (0.05)	NS	505	271	1044	

WFT ALFALFA 2000 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 16JUL02	CUT 2 21AUG02	CUT 3 .		
CW 73038	5374	2306	.	7679	114
EX101	5591	2058	.	7649	113
DS029-BY	5388	2217	.	7605	112
RENAISSANCE	5472	1969	.	7441	110
DS030-BY	5444	1969	.	7413	110
DS028-BY	5297	2111	.	7408	110
DS027-BY	5122	2235	.	7357	109
AC BLUE J	5241	2052	.	7293	108
DS380-BY	5150	2105	.	7255	107
54V54	5059	2123	.	7182	106
PICKSEED 3008	4940	2011	.	6951	103
CASCADIA ML	5108	1757	.	6865	101
BEAVER	5332	1433	.	6765	100
DS2000	5143	1327	.	6470	96
RANGELANDER	5304	1032	.	6336	94
RAMBLER	5101	1109	.	6210	92
Mean	5254	1863	.	7117	
CV (%)	9.1	20.0	.	8.4	
LSD (0.05)	507	393	.	630	

WFT ALFALFA 2000 NETHERHILL SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 25JUN02	CUT 2 .	CUT 3 .		
RANGELANDER	2178	.	.	2178	124
DK124	2116	.	.	2116	120
DS380-BY	2082	.	.	2082	118
RAMBLER	2027	.	.	2027	115
EX101	2021	.	.	2021	115
PICKSEED 3008	1957	.	.	1957	111
DS2000	1943	.	.	1943	110
DS030-BY	1909	.	.	1909	109
DS028-BY	1893	.	.	1893	108
DS027-BY	1885	.	.	1885	107
RENAISSANCE	1795	.	.	1795	102
BEAVER	1759	.	.	1759	100
CW 73038	1716	.	.	1716	98
DK134	1711	.	.	1711	97
DS029-BY	1710	.	.	1710	97
AC BLUE J	1428	.	.	1428	81
54V54	1371	.	.	1371	78
Mean	1853	.	.	1853	
CV (%)	14.0	.	.	14.0	
LSD (0.05)	375	.	.	375	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 17JUL02	CUT 2 11SEP02	CUT 3 .		
BEAVER	3986	2397	.	6383	100
DS2000	3935	2443	.	6378	100
RAMBLER	3887	2398	.	6285	98
CW 73038	3840	2395	.	6235	98
DK134	3822	2290	.	6112	96
RANGELANDER	3786	2181	.	5968	93
DS380-BY	3508	2430	.	5939	93
DS030-BY	3554	2365	.	5919	93
DS028-BY	3311	2550	.	5861	92
DS027-BY	3394	2408	.	5802	91
EX101	3407	2381	.	5787	91
AC BLUE J	3455	2263	.	5718	90
DK124	3383	2165	.	5547	87
54V54	3167	2115	.	5283	83
PICKSEED 3008	3105	2164	.	5269	83
DS029-BY	2980	2230	.	5210	82
RENAISSANCE	2997	2024	.	5020	79
Mean	3536	2300	.	5836	
CV (%)	12.7	15.6	.	11.9	
LSD (0.05)	640	NS	.	NS	

WFT ALFALFA 2000 SASKATOON SK Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 .	CUT 2 27AUG02	CUT 3 .		
54V54	.	3667	.	3667	119
RENAISSANCE	.	3650	.	3650	118
RANGELANDER	.	3599	.	3599	116
DS029-BY	.	3582	.	3582	116
AC BLUE J	.	3580	.	3580	116
DS030-BY	.	3569	.	3569	115
RAMBLER	.	3555	.	3555	115
PICKSEED 3008	.	3508	.	3508	113
CW 73038	.	3419	.	3419	111
EX101	.	3310	.	3310	107
DS2000	.	3294	.	3294	106
DK124	.	3189	.	3189	103
DS027-BY	.	3131	.	3131	101
BEAVER	.	3094	.	3094	100
DS028-BY	.	3085	.	3085	100
DK134	.	3071	.	3071	99
DS380-BY	.	2935	.	2935	95
Mean	.	3367	.	3367	
CV (%)	.	19.9	.	19.9	
LSD(0.05)	.	956	.	956	

Note : Cut 1 data was omitted due to the fact the plot area was influenced by a leak in the main line of irrigation system

WFT ALFALFA 2000 CANORA SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 08JUL02	CUT 2 23AUG02	CUT 3 .		
DS380-BY	5068	3490	.	8558	120
DS030-BY	4868	3464	.	8331	117
RENAISSANCE	4686	3333	.	8019	113
DS029-BY	4613	3193	.	7806	110
DK134	4313	3482	.	7795	110
DS028-BY	4575	3134	.	7710	108
EX101	5248	2447	.	7695	108
54V54	4426	3093	.	7518	106
DS027-BY	4188	3161	.	7348	103
RANGELANDER	4590	2737	.	7328	103
CW 73038	4122	3107	.	7229	102
AC BLUE J	4351	2783	.	7134	100
BEAVER	4337	2777	.	7114	100
DK124	4023	3019	.	7042	99
RAMBLER	4409	2409	.	6818	96
DS2000	4137	2376	.	6513	92
PICKSEED 3008	3096	2637	.	5733	81
Mean	4415	2979	.	7394	
CV (%)	12.0	16.0	.	13.0	
LSD (0.05)	775	688	.	1392	

WFT ALFALFA 2000 NIPAWIN SK Area-4

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1	CUT 2	CUT 3		
RANGELANDER	3371	3277	.	6648	109
DS028-BY	3640	2955	.	6595	108
CW 73038	3310	3180	.	6490	106
DS027-BY	2886	3427	.	6312	103
BEAVER	3065	3054	.	6119	100
DS380-BY	3076	2996	.	6073	99
DS030-BY	2967	3022	.	5989	98
RAMBLER	2835	3111	.	5945	97
DK134	2999	2824	.	5823	95
DS2000	2620	3068	.	5688	93
EX101	2776	2822	.	5598	91
54V54	2630	2643	.	5274	86
RENAISSANCE	2543	2525	.	5067	83
AC BLUE J	2519	2404	.	4923	80
DS029-BY	2584	2218	.	4803	78
DK124	2311	2131	.	4442	73
PICKSEED 3008	1899	1559	.	3458	57
Mean	2825	2777	.	5603	
CV (%)	21.0	16.0	.	16.0	
LSD (0.05)	843	650	.	1282	

WFT ALFALFA 2000 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 19AUG02	CUT 3 24SEP02		
DS030-BY	4191	4988	1630	10809	110
DK124	3894	5366	1399	10659	109
EX101	4103	4807	1506	10415	106
DS028-BY	3562	4992	1644	10198	104
54V54	3809	4745	1602	10156	104
DS027-BY	4033	4709	1394	10136	103
CW 73038	3810	4873	1354	10037	102
PICKSEED 3008	3902	4688	1328	9919	101
DS029-BY	4185	4391	1339	9915	101
BEAVER	4241	4563	1000	9804	100
DS380-BY	3891	4478	1417	9786	100
RENAISSANCE	3835	4720	1212	9767	100
DK134	3918	4138	1453	9509	97
AC BLUE J	3547	4662	1245	9453	96
RAMBLER	4170	4287	888	9345	95
DS2000	3669	4499	1072	9239	94
RANGELANDER	3967	4060	696	8723	89
Mean	3925	4645	1305	9875	
CV (%)	10.2	9.8	16.3	6.0	
LSD (0.05)	572	647	303	844	

WFT ALFALFA 2000 ARBORG MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 28JUN02	CUT 2 02AUG02	CUT 3 .		
DS2000	4547	3473	.	8019	111
RENAISSANCE	4388	3335	.	7723	107
EX101	4405	3284	.	7689	107
PICKSEED 3008	4312	3334	.	7646	106
54V54	4133	3462	.	7594	105
CW 73038	4334	3234	.	7568	105
DS028-BY	4141	3292	.	7433	103
DS027-BY	4125	3234	.	7359	102
DK124	4063	3290	.	7352	102
DS030-BY	4227	3100	.	7327	102
DK134	4016	3193	.	7208	100
DS380-BY	4022	3185	.	7206	100
BEAVER	3983	3220	.	7203	100
RANGELANDER	3963	3218	.	7181	100
DS029-BY	4135	2892	.	7027	98
RAMBLER	3992	2989	.	6981	97
AC BLUE J	3963	2930	.	6893	96
Mean	4162	3215	.	7377	
CV (%)	10.4	10.2	.	7.6	
LSD (0.05)	641	465	.	801	

WFT ALFALFA 2000 NEPPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 25JUN02	CUT 2 29JUL02	CUT 3 .		
DS030-BY	5631	5919	.	11599	118
RAMBLER	5618	5018	.	10638	109
DS380-BY	5647	4951	.	10598	108
DS027-BY	5792	4706	.	10499	107
DS029-BY	5295	5201	.	10497	107
DS028-BY	5848	4590	.	10439	107
CW 73038	4894	5443	.	10338	105
DK134	4850	5065	.	9916	101
BEAVER	5246	4555	.	9801	100
AC BLUE J	5206	4591	.	9797	100
DS2000	5594	4167	.	9761	100
RANGELANDER	5623	4125	.	9749	99
54V54	5066	4447	.	9514	97
RENAISSANCE	4333	5036	.	9369	96
EX101	4779	4352	.	9132	93
DK124	4447	4217	.	8665	88
PICKSEED 3008	3492	4210	.	7702	79
Mean	5139	4741	.	9880	
CV (%)	13.4	16.4	.	10.6	
LSD (0.05)	817	924	.	1243	

WFT ALFALFA 2000 ST. PIERRE MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 17JUL02	CUT 2 20SEP02	CUT 3 .		
DK134	5383	2681	.	8064	110
DS028-BY	5190	2510	.	7700	105
DS2000	5471	2151	.	7622	104
DK124	5078	2502	.	7580	103
DS380-BY	4990	2569	.	7559	103
RANGELANDER	5236	2315	.	7550	103
DS027-BY	5130	2379	.	7509	102
DS030-BY	4892	2618	.	7509	102
PICKSEED 3008	5032	2457	.	7489	102
CW 73038	5081	2397	.	7478	102
RENAISSANCE	5025	2442	.	7467	102
54V54	5081	2311	.	7392	101
RAMBLER	4828	2513	.	7341	100
BEAVER	5004	2323	.	7326	100
EX101	4948	2203	.	7150	98
DS029-BY	4836	2255	.	7091	97
AC BLUE J	4628	2341	.	6969	95
Mean	5049	2410	.	7459	
CV (%)	9.6	14.7	.	8.0	
LSD (0.05)	685	504	.	843	

WFT ALFALFA 2001 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA				% OF BEAVER
	CUT 1 27JUN02	CUT 2 21AUG02	CUT 3 03OCT02	TOTAL	
NSO1DA	5143	5009	3177	13329	121
STARBUCK	4675	5400	2896	12970	118
NSO1M5	5390	5074	2366	12830	117
STOCKWELL	5044	5007	2662	12713	115
AC LONGVIEW	4785	5152	2499	12436	113
NSO1M7	4676	4341	2584	11601	105
AC BLUE J	4165	4718	2477	11360	103
RAMBLER	5098	4772	1252	11122	101
BEAVER	4234	5104	1669	11007	100
RANGELANDER	4667	4603	1164	10434	95
LOSAP	3784	3854	2410	10048	91
Mean	4696	4821	2287	11804	
CV (%)	6.9	11.2	9.7	6.6	
LSD (0.05)	469	777	321	1129	

WFT ALFALFA 2001 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA				% OF BEAVER
	CUT 1 21JUN02	CUT 2 02AUG02	CUT 3 23SEP02	TOTAL	
AC BLUE J	6492	4823	3441	14756	121
AC LONGVIEW	6322	4478	3064	13864	113
NSO1DA	5752	4606	3438	13796	113
RAMBLER	6574	4413	2339	13326	109
NSO1M5	5990	4419	2880	13289	109
RANGELANDER	6219	4609	2281	13108	107
STARBUCK	5287	4235	2978	12500	102
BEAVER	5411	4294	2524	12229	100
NSO1M7	5264	3972	2789	12025	98
STOCKWELL	4692	3987	3000	11679	96
LOSAP	4767	4027	2815	11610	95
Mean	5706	4351	2868	12926	
CV (%)	20.1	15.2	12.9	15.5	
LSD (0.05)	NS	NS	534	NS	

WFT ALFALFA 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 12JUL02	CUT 2 20AUG02	CUT 3 .		
AC LONGVIEW	5463	3032	.	8495	103
BEAVER	5350	2884	.	8234	100
STARBUCK	4980	3159	.	8139	99
NSO1M5	5072	3042	.	8114	99
RAMBLER	5384	2716	.	8099	98
NSO1DA	4827	3246	.	8073	98
AC BLUE J	5132	2864	.	7996	97
NSO1M7	4768	3129	.	7896	96
STOCKWELL	4668	3185	.	7853	95
RANGELANDER	5145	2537	.	7683	93
LOSAP	4159	2690	.	6849	83
Mean	4995	2953	.	7948	
CV (%)	16.1	9.6	.	9.7	
LSD (0.05)	855	301	.	823	

WFT ALFALFA 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 17JUL02	CUT 2 11SEP02	CUT 3 .		
RAMBLER	3882	1754	.	5636	106
BEAVER	3610	1716	.	5326	100
RANGELANDER	3559	1750	.	5309	100
AC BLUE J	3311	1976	.	5287	99
STOCKWELL	3181	1991	.	5172	97
NSO1M5	3125	2002	.	5127	96
AC LONGVIEW	3182	1889	.	5072	95
NSO1M7	2923	1930	.	4853	91
NSO1DA	2909	1927	.	4836	91
STARBUCK	2983	1770	.	4753	89
LOSAP	2684	1466	.	4150	78
Mean	3267	1821	.	5088	
CV (%)	9.7	11.1	.	8.3	
LSD (0.05)	458	290	.	606	

WFT ALFALFA 2001 SASKATOON SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1	CUT 2	CUT 3		
RAMBLER	967	2850	.	3817	100
BEAVER	848	2961	.	3809	100
AC LONGVIEW	639	3043	.	3682	97
RANGELANDER	823	2839	.	3663	96
AC BLUE J	585	2880	.	3465	91
STARBUCK	737	2707	.	3444	90
NSO1DA	528	2842	.	3370	88
STOCKWELL	646	2603	.	3249	85
NSO1M5	678	2443	.	3121	82
NSO1M7	571	2372	.	2943	77
LOSAP	527	2300	.	2827	74
Mean	686	2713	.	3399	
CV (%)	27.5	20.5	.	20.7	
LSD (0.05)	273	804	.	1019	

* Please note trial CV over 20 % *

WFT ALFALFA 2001 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 27JUN02	CUT 2 19AUG02	CUT 3 24SEP02		
AC BLUE J	5894	6792	2748	15433	114
NSO1DA	5145	6574	2898	14618	108
AC LONGVIEW	5625	6243	2631	14500	107
STARBUCK	5150	5729	2722	13601	100
BEAVER	4790	6855	1940	13585	100
NSO1M7	5028	5820	2695	13543	100
STOCKWELL	5589	5124	2577	13290	98
NSO1M5	5419	5297	2508	13224	97
LOSAP	4466	6063	2627	13156	97
RAMBLER	5003	6049	1816	12867	95
RANGELANDER	4883	5511	1430	11823	87
Mean	5181	6005	2417	13603	
CV (%)	12.6	11.4	9.7	8.4	
LSD (0.05)	943	994	339	1652	

WFT ALFALFA 2001 ARBORG MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 27JUN02	CUT 2 02AUG02	CUT 3 .		
STOCKWELL	4913	3091	.	8003	108
AC LONGVIEW	4565	3301	.	7866	106
STARBUCK	4698	3048	.	7746	105
RANGELANDER	4885	2846	.	7731	104
NSO1DA	4617	2841	.	7458	101
BEAVER	4667	2743	.	7410	100
RAMBLER	4618	2750	.	7368	99
AC BLUE J	4678	2594	.	7272	98
NSO1M5	4350	2722	.	7072	95
LOSAP	4084	2672	.	6756	91
NSO1M7	4132	2566	.	6698	90
Mean	4564	2834	.	7398	
CV (%)	12.7	14.8	.	11.8	
LSD (0.05)	835	606	.	1259	

WFT ALFALFA 2001 NEEPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 26JUN02	CUT 2 30JUL02	CUT 3 .		
RANGELANDER	6173	4437	.	10610	102
RAMBLER	5948	4510	.	10458	101
BEAVER	5475	4888	.	10364	100
AC LONGVIEW	4866	4808	.	9675	93
STOCKWELL	5025	4563	.	9589	93
NSO1DA	4804	4547	.	9351	90
AC BLUE J	4796	4463	.	9260	89
NSO1M5	4614	4298	.	8913	86
STARBUCK	4245	4093	.	8339	80
NSO1M7	3989	3914	.	7903	76
LOSAP	4148	3464	.	7612	73
Mean	4917	4362	.	9279	
CV (%)	14.0	14.9	.	11.4	
LSD (0.05)	824	778	.	1274	

WFT ALFALFA 2001 ST. PIERRE MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF BEAVER
	CUT 1 21JUL02	CUT 2 17SEP02	CUT 3 .		
STOCKWELL	7563	3896	.	11459	112
STARBUCK	7051	3839	.	10889	106
NSO1DA	6735	3937	.	10672	104
BEAVER	6571	3654	.	10225	100
RANGELANDER	6499	3717	.	10216	100
NSO1M5	6538	3653	.	10191	100
LOSAP	6657	3496	.	10153	99
NSO1M7	6421	3549	.	9969	97
AC BLUE J	6460	3444	.	9904	97
RAMBLER	6263	3606	.	9869	97
AC LONGVIEW	6302	3525	.	9827	96
Mean	6642	3665	.	10307	
CV (%)	11.0	11.3	.	10.1	
LSD (0.05)	1052	599	.	1505	

WFT ALSIKE CLOVER 1999 ARBORG MB Area-3
(seeded 2000)

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF AURORA
	CUT 1 29JUN02	CUT 2 03AUG02	CUT 3 .		
NSCL 29	3648	1764	.	5412	106
AURORA	3571	1534	.	5105	100
BOR 2222	3340	1409	.	4749	93
Mean	3520	1568	.	5089	
CV (%)	5.4	7.7	.	5.0	
LSD (0.05)	328	209	.	443	

WFT ALSIKE CLOVER 1999 ST. PIERRE MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF AURORA
	CUT 1 22JUL02	CUT 2 .	CUT 3 .		
NSCL 29	4478	.	.	4478	115
BOR 2222	3978	.	.	3978	102
AURORA	3908	.	.	3908	100
Mean	4121	.	.	4121	
CV (%)	11.0	.	.	11.0	
LSD (0.05)	777	.	.	777	

WFT RED CLOVER 1999 ARBORG MB Area-3
(seeded 2000)

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF ALTASWEDE
	CUT 1 29JUN02	CUT 2 .	CUT 3 .		
VIVI	3469	.	.	3469	105
ALTASWEDE	3304	.	.	3304	100
Mean	3386	.	.	3386	
CV (%)	8.6	.	.	8.6	

WFT RED CLOVER 1999 ST. PIERRE MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF ALTASWEDE
	CUT 1 22JUL02	CUT 2 .	CUT 3 .		
VIVI	6198	.	.	6198	110
WILDCAT	5640	.	.	5640	100
ALTASWEDE	5622	.	.	5622	100
Mean	5820	.	.	5820	
CV (%)	8.0	.	.	8.0	
LSD (0.05)	534	.	.	534	

WFT KENTUCKY BLUEGRASS 1999 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 21JUN02	CUT 2 09OCT02	CUT 3 .		
TROY	1360	1767	.	3127	100
KVER003	324	1970	.	2294	73
Mean	842	1869	.	2710	
CV (%)	55.4	31.7	.	26.8	

* Please note trial CV over 20 % *

WFT KENTUCKY BLUEGRASS 1999 BOW ISLAND AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 26JUN02	CUT 2 .	CUT 3 .		
TROY	4557	.	.	4557	100
KVER003	3298	.	.	3298	72
Mean	3927	.	.	3927	
CV (%)	8.8	.	.	8.8	

WFT KENTUCKY BLUEGRASS 1999 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 24JUN02	CUT 2 .	CUT 3 .		
TROY	4783	.	.	4783	100
KVER003	4262	.	.	4262	89
Mean	4523	.	.	4523	
CV (%)	15.4	.	.	15.4	

WFT KENTUCKY BLUEGRASS 1999 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 10JUL02	CUT 2	CUT 3		
TROY	3379	.	.	3379	100
KVER003	1939	.	.	1939	57
Mean	2659	.	.	2659	
CV (%)	10.0	.	.	10.0	

WFT KENTUCKY BLUEGRASS 1999 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 27JUN02	CUT 2	CUT 3		
TROY	2626	.	.	2626	100
KVER003	1536	.	.	1536	58
Mean	2081	.	.	2081	
CV (%)	4.8	.	.	4.8	

WFT KENTUCKY BLUEGRASS 1999 CANORA SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 08JUL02	CUT 2	CUT 3		
TROY	768	.	.	768	100
KVER003	370	.	.	370	48
Mean	569	.	.	569	
CV (%)	53.0	.	.	53.0	

* Please note trial CV over 20 % *

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 03JUL02	CUT 2 .	CUT 3 .		
TROY	2063	.	.	2063	100
KVER003	1443	.	.	1443	70
Mean	1753	.	.	1753	
CV (%)	35.0	.	.	35.0	

* Please note trial CV over 20 % *

WFT KENTUCKY BLUEGRASS 1999 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 25JUN02	CUT 2 24SEP02	CUT 3 .		
KVER003	8878	5036	.	13914	110
TROY	6872	5832	.	12704	100
Mean	7875	5434	.	13309	
CV (%)	3.3	9.6	.	5.5	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF TROY
	CUT 1 02JUL02	CUT 2 .	CUT 3 .		
TROY	2040	.	.	2040	100
KVER003	1254	.	.	1254	61
Mean	1647	.	.	1647	
CV (%)	12.5	.	.	12.5	

WFT BROMEGRASS 1999 OYEN AB Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 28JUN02	CUT 2 .	CUT 3 .		
LOBF9202	1624	.	.	1624	105
S-93561	1548	.	.	1548	100
CARLTON	1544	.	.	1544	100
LOBF9201	1529	.	.	1529	99
MB-A	1355	.	.	1355	88
FLEET	1255	.	.	1255	81
Mean	1470	.	.	1470	
CV (%)	16.2	.	.	16.2	
LSD (0.05)	NS	.	.	NS	

WFT BROMEGRASS 1999 LETHBRIDGE AB Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 17JUL02	CUT 2 .	CUT 3 .		
S-93561	6460	.	.	6460	107
CARLTON	6042	.	.	6042	100
FLEET	5852	.	.	5852	97
LOBF9201	5409	.	.	5409	90
MB-A	5409	.	.	5409	90
LOBF9202	5282	.	.	5282	87
Mean	5742	.	.	5742	
*CV (%)	5.5	.	.	5.5	
LSD (0.05)	754	.	.	754	

* square root transformation

WFT BROMEGRASS 1999 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 20JUN02	CUT 2 09SEP02	CUT 3 .		
CARLTON	4915	3444	.	8359	100
LOBF9202	4920	3369	.	8289	99
FLEET	4201	3903	.	8105	97
LOBF9201	4940	3047	.	7987	96
MB-A	3897	3731	.	7627	91
S-93561	3848	2686	.	6534	78
Mean	4454	3363	.	7817	
CV (%)	9.8	10.7	.	7.1	
LSD (0.05)	660	540	.	833	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 19JUL02	CUT 2 .	CUT 3 .		
LOBF9202	4711	.	.	4711	127
S-93561	4278	.	.	4278	116
LOBF9201	4265	.	.	4265	115
CARLTON	3698	.	.	3698	100
MB-A	3219	.	.	3219	87
FLEET	3213	.	.	3213	87
Mean	3898	.	.	3898	
CV (%)	11.0	.	.	11.0	
LSD (0.05)	648	.	.	648	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 07AUG02	CUT 2 .	CUT 3 .		
LOBF9201	3132	.	.	3132	138
LOBF9202	3068	.	.	3068	135
S-93561	2953	.	.	2953	130
FLEET	2428	.	.	2428	107
CARLTON	2265	.	.	2265	100
MB-A	2189	.	.	2189	97
Mean	2673	.	.	2673	
CV (%)	14.5	.	.	14.5	
LSD (0.05)	584	.	.	584	

WFT BROMEGRASS 1999 BOW ISLAND AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 26JUN02	CUT 2 .	CUT 3 .		
MB-A	6604	.	.	6604	106
LOBF9201	6604	.	.	6604	106
FLEET	6548	.	.	6548	105
CARLTON	6235	.	.	6235	100
LOBF9202	5878	.	.	5878	94
S-93561	5420	.	.	5420	87
Mean	6215	.	.	6215	
CV (%)	9.3	.	.	9.3	
LSD (0.05)	NS	.	.	NS	

WFT BROMEGRASS 1999 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 24JUN02	CUT 2 03SEP02	CUT 3 .		
CARLTON	6096	5522	.	11618	100
LOBF9202	6114	5270	.	11383	98
LOBF9201	5497	5374	.	10871	94
FLEET	6195	3521	.	9716	84
S-93561	5878	3671	.	9549	82
MB-A	5684	3342	.	9026	78
Mean	5910	4450	.	10361	
CV (%)	10.3	15.8	.	7.9	
LSD (0.05)	NS	1062	.	1239	

WFT BROMEGRASS 1999 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 11JUL02	CUT 2 27AUG02	CUT 3 .		
S-93561	7069	2584	.	9653	112
CARLTON	5776	2839	.	8615	100
LOBF9202	4958	2658	.	7616	88
LOBF9201	5126	2392	.	7518	87
MB-A	5360	2070	.	7429	86
FLEET	4944	1600	.	6544	76
Mean	5539	2357	.	7896	
*CV (%)	8.6	11.4	.	8.1	
LSD (0.05)	1057	576	.	1434	

* square root transformation

WFT BROMEGRASS 1999 NETHERHILL SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 15JUL02	CUT 2 .	CUT 3 .		
LOBF9201	417	.	.	417	107
CARLTON	388	.	.	388	100
S-93561	371	.	.	371	96
LOBF9202	329	.	.	329	85
FLEET	181	.	.	181	47
MB-A	122	.	.	122	31
Mean	301	.	.	301	
CV (%)	44.0	.	.	44.0	
LSD (0.05)	200	.	.	200	

* Please note trial CV over 20 % *

WFT BROMEGRASS 1999 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 04JUL02	CUT 2 17SEP02	CUT 3 .		
MB-A	1392	802	.	2194	171
FLEET	1239	711	.	1949	152
S-93561	1485	175	.	1661	130
LOBF9201	1276	253	.	1529	119
LOBF9202	1096	243	.	1339	105
CARLTON	1084	196	.	1280	100
Mean	1262	397	.	1659	
CV (%)	11.8	22.5	.	11.8	
LSD (0.05)	225	134	.	296	

WFT BROMEGRASS 1999 SASKATOON SK Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 11JUL02	CUT 2 09SEP02	CUT 3 .		
CARLTON	1023	1913	.	2936	100
MB-A	746	2000	.	2746	94
FLEET	735	1798	.	2534	86
LOBF9202	728	1652	.	2379	81
LOBF9201	670	1583	.	2253	77
S-93561	843	1121	.	1965	67
Mean	791	1678	.	2469	
CV (%)	15.7	15.8	.	12.2	
LSD (0.05)	188	400	.	458	

WFT BROMEGRASS 1999 CANORA SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 08JUL02	CUT 2 .	CUT 3 .		
LOBF9201	4818	.	.	4818	124
S-93561	4494	.	.	4494	116
CARLTON	3872	.	.	3872	100
LOBF9202	3820	.	.	3820	99
FLEET	2696	.	.	2696	70
MB-A	2503	.	.	2503	65
Mean	3700	.	.	3700	
CV (%)	13.0	.	.	13.0	
LSD (0.05)	732	.	.	732	

WFT BROMEGRASS 1999 NIPAWIN SK Area-4

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 03JUL02	CUT 2 .	CUT 3 .		
LOBF9201	1109	.	.	1109	114
S-93561	1026	.	.	1026	105
CARLTON	974	.	.	974	100
LOBF9202	790	.	.	790	81
MB-A	746	.	.	746	77
FLEET	490	.	.	490	50
Mean	856	.	.	856	
CV (%)	34.0	.	.	34.0	
LSD (0.05)	433	.	.	433	

* Please note trial CV over 20 % *

WFT BROMEGRASS 1999 OUTLOOK SK Area-IRR

CULTIVAR	S DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 25JUN02	CUT 2 24SEP02	CUT 3 .		
FLEET	7826	3137	.	10963	108
LOBF9202	7829	2598	.	10426	103
MB-A	6728	3429	.	10156	100
CARLTON	6976	3158	.	10134	100
S-93561	6652	3280	.	9933	98
LOBF9201	6872	2887	.	9759	96
Mean	7147	3081	.	10228	
CV (%)	15.4	16.6	.	10.3	
LSD (0.05)	1654	770	.	1595	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 29JUN02	CUT 2 .	CUT 3 .		
S-93561	3072	.	.	3072	110
CARLTON	2781	.	.	2781	100
FLEET	2707	.	.	2707	97
LOBF9201	2646	.	.	2646	95
MB-A	2581	.	.	2581	93
LOBF9202	2407	.	.	2407	87
Mean	2699	.	.	2699	
CV (%)	17.5	.	.	17.5	
LSD (0.05)	713	.	.	713	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 02JUL02	CUT 2 .	CUT 3 .		
LOBF9202	6037	.	.	6037	106
LOBF9201	5807	.	.	5807	102
CARLTON	5706	.	.	5706	100
S-93561	5125	.	.	5125	90
FLEET	4067	.	.	4067	71
MB-A	3581	.	.	3581	63
Mean	5054	.	.	5054	
CV (%)	18.4	.	.	18.4	
LSD (0.05)	1160	.	.	1160	

WFT BROMEGRASS 2001 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 17JUN02	CUT 2 04SEP02	CUT 3 .		
AC ROCKET	5334	4049	.	9383	108
FLEET	5145	4047	.	9192	106
95MD-2	4891	4003	.	8894	102
CARLTON	5170	3538	.	8708	100
Mean	5135	3909	.	9044	
CV (%)	7.3	19.5	.	11.2	
LSD (0.05)	NS	NS	.	NS	

WFT BROMEGRASS 2001 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 24JUN02	CUT 2 03SEP02	CUT 3 .		
AC ROCKET	9171	7360	.	16531	111
CARLTON	8711	6236	.	14947	100
95MD-2	7171	5534	.	12705	85
FLEET	6942	5349	.	12291	82
Mean	7999	6120	.	14118	
CV (%)	11.5	7.5	.	6.5	
LSD (0.05)	1474	730	.	1462	

WFT BROMEGRASS 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 05JUL02	CUT 2 27AUG02	CUT 3 .		
AC ROCKET	7970	4188	.	12158	103
CARLTON	7978	3869	.	11847	100
FLEET	8546	2913	.	11458	97
95MD-2	8444	2894	.	11338	96
Mean	8234	3466	.	11700	
CV (%)	6.0	8.7	.	6.2	
LSD (0.05)	553	339	.	815	

WFT MEADOW BROMEGRASS 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 17JUL02	CUT 2 16SEP02	CUT 3 .		
FLEET	4440	2286	.	6725	100
95MD-2	4024	2181	.	6205	92
Mean	4232	2233	.	6465	
CV (%)	5.8	8.5	.	6.6	

WFT SMOOTH BROMEGRASS 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 17JUL02	CUT 2 16SEP02	CUT 3 .		
CARLTON	4528	2444	.	6972	100
AC ROCKET	4532	2370	.	6970	100
Mean	4530	2407	.	6937	
CV (%)	3.5	9.4	.	3.0	

WFT MEADOW BROMEGRASS 2001 SASKATOON SK Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1	CUT 2	CUT 3		
95MD-2	280	922	.	1202	106
FLEET	267	862	.	1129	100
Mean	273	892	.	1165	
CV (%)	38.9	7.7	.	10.8	

WFT SMOOTH BROMEGRASS 2001 SASKATOON SK Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 08JUL02	CUT 2 19SEP02	CUT 3 .		
AC ROCKET	267	1291	.	1558	106
CARLTON	252	1220	.	1472	100
Mean	259	1256	.	1515	
CV (%)	29.1	10.9	.	13.3	

WFT MEADOW BROMEGRASS 2001 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 27JUN02	CUT 2 24SEP02	CUT 3 .		
95MD-2	7741	3455	.	11196	106
FLEET	7469	3086	.	10555	100
Mean	7605	3271	.	10876	
CV (%)	30.1	9.8	.	22.5	

* Please note trial CV over 20 % *

WFT SMOOTH BROMEGRASS 2001 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 26JUN02	CUT 2 24SEP02	CUT 3 .		
CARLTON	8049	5672	.	13721	100
AC ROCKET	7081	6267	.	13348	97
Mean	7565	5970	.	13535	
CV (%)	7.2	7.3	.	2.2	

WFT BROMEGRASS 2001 ARBORG MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 01AUG02	CUT 2 14SEP02	CUT 3 .		
AC ROCKET	5416	5186	.	10602	104
FLEET	5434	5021	.	10455	102
95MD-2	5337	5012	.	10349	101
CARLTON	5223	4997	.	10220	100
Mean	5353	5054	.	10406	
CV (%)	12.9	9.0	.	8.6	
LSD (0.05)	772	1039	.	1437	

WFT MEADOW BROMEGRASS 2001 NEEPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF FLEET
	CUT 1 03JUL02	CUT 2 .	CUT 3 .		
FLEET	3056	.	.	3056	100
95MD-2	2635	.	.	2635	86
Mean	2845	.	.	2845	
CV (%)	13.9	.	.	13.9	

WFT SMOOTH BROMEGRASS 2001 NEEPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CARLTON
	CUT 1 03JUL02	CUT 2 .	CUT 3 .		
AC ROCKET	3351	.	.	3351	112
CARLTON	2992	.	.	2992	100
Mean	3171	.	.	3171	
CV (%)	6.7	.	.	6.7	

WFT TALL FESCUE 2001 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 26JUN02	CUT 2 04SEP02	CUT 3 .		
COURTENAY	4236	4624	.	8861	100
MAXIMIZE	3162	3146	.	6308	71
Mean	3699	3885	.	7584	
CV (%)	11.0	12.1	.	4.6	

WFT TALL FESCUE 2001 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 24JUN02	CUT 2 03SEP02	CUT 3 .		
COURTENAY	8687	7902	.	16589	100
MAXIMIZE	7595	6040	.	13636	82
Mean	8141	6971	.	15112	
CV (%)	5.7	6.5	.	3.1	

WFT TALL FESCUE 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 05JUL02	CUT 2 27AUG02	CUT 3 .		
COURTENAY	7138	3520	.	10658	100
MAXIMIZE	6289	2732	.	9020	85
Mean	6713	3126	.	9839	
CV (%)	10.6	19.2	.	11.8	

WFT TALL FESCUE 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 17JUL02	CUT 2 16SEP02	CUT 3 .		
COURTENAY	3383	2160	.	5543	100
MAXIMIZE	1635	1596	.	3231	58
Mean	2509	1878	.	4387	
CV (%)	10.4	16.9	.	2.6	

WFT TALL FESCUE 2001 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 27JUN02	CUT 2 24SEP02	CUT 3 .		
COURTENAY	5732	7662	.	13393	100
MAXIMIZE	2811	6090	.	8900	66
Mean	4271	6876	.	11146	
CV (%)	24.4	25.2	.	18.4	

WFT TALL FESCUE 2001 ARBORG MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 29JUN02	CUT 2 14SEP02	CUT 3 .		
COURTENAY	5897	4654	.	10551	100
MAXIMIZE	5872	4315	.	10186	97
Mean	5884	4484	.	10368	
CV (%)	11.1	9.3	.	8.3	

WFT TALL FESCUE 2001 NEEPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF COURTENAY
	CUT 1 02AUG02	CUT 2 .	CUT 3 .		
COURTENAY	3299	.	.	3299	100
MAXIMIZE	3184	.	.	3184	97
Mean	3241	.	.	3241	
CV (%)	19.5	.	.	19.5	

WFT TIMOTHY 1999 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN02	CUT 2 03OCT02	CUT 3 .		
CLIMAX	1422	2960	.	4381	100
GPTI8906	1879	2109	.	3989	91
AC OPAL	1215	2626	.	3841	88
GPTI8905	2078	1476	.	3555	81
Mean	1649	2293	.	3941	
CV (%)	16.6	21.2	.	14.1	
LSD (0.05)	437	778	.	NS	

WFT TIMOTHY 1999 BOW ISLAND AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN02	CUT 2 .	CUT 3 .		
GPTI8906	5382	.	.	5382	112
AC OPAL	5280	.	.	5280	110
CLIMAX	4816	.	.	4816	100
GPTI8905	4609	.	.	4609	96
Mean	5022	.	.	5022	
CV (%)	10.8	.	.	10.8	
LSD (0.05)	NS	.	.	NS	

WFT TIMOTHY 1999 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN02	CUT 2 03SEP02	CUT 3 .		
CLIMAX	6829	1261	.	8090	100
AC OPAL	6087	1552	.	7639	94
GPTI8906	5176	1270	.	6445	80
GPTI8905	4826	1211	.	6037	75
Mean	5729	1323	.	7053	
CV (%)	18.8	36.9	.	13.4	
LSD (0.05)	NS	NS	.	1517	

WFT TIMOTHY 1999 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 11JUL02	CUT 2 .	CUT 3 .		
GPTI8905	4120	.	.	4120	115
GPTI8906	4012	.	.	4012	112
CLIMAX	3596	.	.	3596	100
Mean	3909	.	.	3909	
*CV (%)	6.9	.	.	6.9	
LSD (0.05)	659	.	.	659	

* square root transformation

WFT TIMOTHY 1999 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 27JUN02	CUT 2	CUT 3		
CLIMAX	2058	.	.	2058	100
GPTI8905	1984	.	.	1984	96
GPTI8906	1510	.	.	1510	73
Mean	1851	.	.	1851	
CV (%)	26.8	.	.	26.8	
LSD (0.05)	NS	.	.	NS	

* Please note trial CV over 20 % *

WFT TIMOTHY 1999 CANORA SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 08JUL02	CUT 2	CUT 3		
CLIMAX	2134	.	.	2134	100
GPTI8905	1950	.	.	1950	91
GPTI8906	1826	.	.	1826	86
Mean	1970	.	.	1970	
CV (%)	7.0	.	.	7.0	
LSD (0.05)	NS	.	.	NS	

WFT TIMOTHY 1999 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN02	CUT 2 .	CUT 3 .		
GPTI8906	5187	.	.	5187	108
CLIMAX	4786	.	.	4786	100
GPTI8905	4632	.	.	4632	97
Mean	4868	.	.	4868	
CV (%)	18.1	.	.	18.1	
LSD (0.05)	1522	.	.	1522	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 28JUN02	CUT 2 .	CUT 3 .		
GPTI8905	2775	.	.	2775	106
GPTI8906	2703	.	.	2703	103
CLIMAX	2628	.	.	2628	100
Mean	2702	.	.	2702	
CV (%)	11.4	.	.	11.4	
LSD (0.05)	531	.	.	531	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 06AUG02	CUT 2	CUT 3		
GPTI8905	5543	.	.	5543	101
GPTI8906	5490	.	.	5490	100
CLIMAX	5485	.	.	5485	100
Mean	5506	.	.	5506	
CV (%)	11.8	.	.	11.8	
LSD (0.05)	980	.	.	980	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 21JUL02	CUT 2	CUT 3		
GPTI8906	3736	.	.	3736	102
GPTI8905	3698	.	.	3698	101
CLIMAX	3653	.	.	3653	100
BOR 94301	3500	.	.	3500	96
BOR 72002	3476	.	.	3476	95
JOLIETTE	3161	.	.	3161	87
Mean	3537	.	.	3537	
CV (%)	7.0	.	.	7.0	
LSD (0.05)	371	.	.	371	

WFT TIMOTHY 2000 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN02	CUT 2 03OCT02	CUT 3 .		
BOR 94372	3592	1614	.	5206	109
BOR 94374	2574	2540	.	5114	107
PCQX-39	2468	2380	.	4849	101
CLIMAX	2590	2203	.	4794	100
TIMPRO	2797	1808	.	4605	96
MOTIM	2612	1837	.	4448	93
Mean	2772	2064	.	4836	
CV (%)	24.1	23.6	.	13.3	
LSD (0.05)	NS	NS	.	NS	

WFT TIMOTHY 2000 FALHER AB Area-5

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 02AUG02	CUT 2 .	CUT 3 .		
GPTI8906	3210	.	.	3210	122
BOR 94374	2945	.	.	2945	112
BOR 94372	2820	.	.	2820	107
GPTI8905	2800	.	.	2800	106
CLIMAX	2635	.	.	2635	100
PCQX-39	2234	.	.	2234	85
MOTIM	2209	.	.	2209	84
AC OPAL	2155	.	.	2155	82
TIMPRO	2145	.	.	2145	81
Mean	2613	.	.	2613	
CV (%)	14.0	.	.	14.0	
LSD (0.05)	609	.	.	609	

WFT TIMOTHY 2000 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN02	CUT 2 03SEP02	CUT 3 .		
BOR 94374	7638	2567	.	10205	104
CLIMAX	8091	1720	.	9812	100
PCQX-39	7083	2472	.	9555	97
TIMPRO	6949	2280	.	9229	94
BOR 94372	7245	1867	.	9112	93
MOTIM	7303	1075	.	8378	85
Mean	7385	1997	.	9382	
CV (%)	10.0	34.9	.	11.0	
LSD (0.05)	NS	NS	.	NS	

WFT TIMOTHY 2000 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 10JUL02	CUT 2 17OCT02	CUT 3 .		
PCQX-39	5547	2791	.	8338	100
CLIMAX	6501	1812	.	8313	100
MOTIM	6816	575	.	7391	89
BOR 94374	4862	2495	.	7357	88
BOR 94372	4724	1117	.	5841	70
TIMPRO	4908	851	.	5760	69
Mean	5560	1607	.	7167	
*CV (%)	6.8	9.1	.	5.5	
LSD (0.05)	809	387	.	851	

* square root transformation

WFT TIMOTHY 2000 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 27JUN02	CUT 2 .	CUT 3 .		
BOR 94374	3473	.	.	3473	106
BOR 94372	3424	.	.	3424	104
CLIMAX	3283	.	.	3283	100
PCQX-39	2975	.	.	2975	91
TIMPRO	2798	.	.	2798	85
MOTIM	2593	.	.	2593	79
Mean	3091	.	.	3091	
CV (%)	9.7	.	.	9.7	
LSD (0.05)	451	.	.	451	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 08JUL02	CUT 2 09OCT02	CUT 3 .		
CLIMAX	185	968	.	1153	100
BOR 94374	341	792	.	1132	98
BOR 94372	158	813	.	971	84
PCQX-39	128	843	.	971	84
TIMPRO	153	661	.	813	71
MOTIM	75	725	.	800	69
Mean	173	800	.	973	
CV (%)	62.1	20.2	.	25.4	
LSD (0.05)	162	244	.	373	

* Please note trial CV over 20 % *

WFT TIMOTHY 2000 CANORA SK Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 08JUL02	CUT 2	CUT 3		
BOR 94374	3741	.	.	3741	109
BOR 94372	3611	.	.	3611	105
PCQX-39	3594	.	.	3594	105
MOTIM	3569	.	.	3569	104
CLIMAX	3437	.	.	3437	100
TIMPRO	3357	.	.	3357	98
Mean	3551	.	.	3551	
CV (%)	11.0	.	.	11.0	
LSD (0.05)	NS	.	.	NS	

WFT TIMOTHY 2000 NIPAWIN SK Area-4

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL02	CUT 2	CUT 3		
PCQX-39	2633	.	.	2633	128
BOR 94374	2415	.	.	2415	118
BOR 94372	2367	.	.	2367	115
TIMPRO	2191	.	.	2191	107
CLIMAX	2053	.	.	2053	100
MOTIM	1810	.	.	1810	88
Mean	2245	.	.	2245	
CV (%)	16.0	.	.	16.0	
LSD (0.05)	537	.	.	537	

WFT TIMOTHY 2000 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN02	CUT 2 24SEP02	CUT 3 .		
CLIMAX	4123	2857	.	6979	100
TIMPRO	4496	2431	.	6928	99
PCQX-39	3882	2507	.	6388	92
MOTIM	3451	2190	.	5641	81
BOR 94372	4110	1373	.	5483	79
BOR 94374	3607	1659	.	5266	75
Mean	3945	2169	.	6114	
CV (%)	19.8	30.6	.	16.0	
LSD (0.05)	1176	1002	.	1476	

WFT TIMOTHY 2000 ARBORG MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 29JUN02	CUT 2 .	CUT 3 .		
PCQX-39	2987	.	.	2987	100
MOTIM	2980	.	.	2980	100
CLIMAX	2979	.	.	2979	100
BOR 94372	2978	.	.	2978	100
BOR 94374	2817	.	.	2817	95
TIMPRO	2775	.	.	2775	93
Mean	2848	.	.	2848	
CV (%)	14.9	.	.	14.9	
LSD (0.05)	638	.	.	638	

WFT TIMOTHY 2000 NEEPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 06AUG02	CUT 2	CUT 3		
MOTIM	6325	.	.	6325	129
BOR 94372	6016	.	.	6016	123
PCQX-39	5999	.	.	5999	123
TIMPRO	5490	.	.	5490	112
BOR 94374	5313	.	.	5313	109
CLIMAX	4885	.	.	4885	100
Mean	5671	.	.	5671	
CV (%)	22.3	.	.	22.3	
LSD (0.05)	1572	.	.	1572	

WFT TIMOTHY 2000 ST. PIERRE MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 21JUL02	CUT 2	CUT 3		
MOTIM	5119	.	.	5119	103
BOR 94372	5099	.	.	5099	103
BOR 94374	5090	.	.	5090	103
CLIMAX	4948	.	.	4948	100
PCQX-39	4741	.	.	4741	96
TIMPRO	4651	.	.	4651	94
Mean	4941	.	.	4941	
CV (%)	9.0	.	.	9.0	
LSD (0.05)	634	.	.	634	

WFT TIMOTHY 2001 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN02	CUT 2 03OCT02	CUT 3 .		
EXPRESS	4543	2670	.	7213	109
DOLINA	4213	2512	.	6725	102
CLIMAX	4169	2428	.	6598	100
TUNDRA	4368	2052	.	6421	97
LPHL 458	4366	1927	.	6294	95
BARTIMO	4097	1529	.	5625	85
NIKLAS	3592	1880	.	5471	83
BARNEE	2586	2007	.	4593	70
Mean	3992	2126	.	6117	
CV (%)	13.9	16.6	.	11.6	
LSD (0.05)	818	520	.	1042	

WFT TIMOTHY 2001 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 25JUN02	CUT 2 03SEP02	CUT 3 .		
DOLINA	8492	3196	.	11688	105
CLIMAX	8194	2918	.	11112	100
EXPRESS	6733	4155	.	10888	98
LPHL 458	6491	2940	.	9431	85
TUNDRA	6889	1989	.	8878	80
NIKLAS	5902	1711	.	7613	69
BARTIMO	5291	2278	.	7569	68
BARNEE	5381	1888	.	7269	65
Mean	6672	2634	.	9306	
CV (%)	12.6	12.5	.	9.7	
LSD (0.05)	1232	484	.	1327	

WFT TIMOTHY 2001 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 05JUL02	CUT 2 23AUG02	CUT 3 .		
CLIMAX	7693	2933	.	10626	100
EXPRESS	5912	3653	.	9564	90
LPHL 458	6203	3123	.	9326	88
TUNDRA	6180	2519	.	8698	82
DOLINA	5218	3435	.	8653	81
NIKLAS	6258	1215	.	7474	70
BARTIMO	5092	2030	.	7122	67
BARNEE	4989	1840	.	6829	64
Mean	5943	2594	.	8537	
CV (%)	16.3	21.2	.	10.6	
LSD (0.05)	1040	591	.	977	

WFT TIMOTHY 2001 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 17JUL02	CUT 2 16SEP02	CUT 3 .		
EXPRESS	3057	2751	.	5808	111
CLIMAX	2554	2686	.	5240	100
DOLINA	2491	2250	.	4741	90
TUNDRA	2237	2049	.	4286	82
LPHL 458	1814	2017	.	3831	73
BARTIMO	1500	1503	.	3003	57
NIKLAS	1703	1251	.	2954	56
BARNEE	1166	793	.	1959	37
Mean	2065	1912	.	3978	
CV (%)	18.5	15.0	.	13.7	
LSD (0.05)	562	423	.	802	

WFT TIMOTHY 2001 NIPAWIN SK Area-4

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 03JUL02	CUT 2 .	CUT 3 .		
CLIMAX	688	.	.	688	100
TUNDRA	649	.	.	649	94
EXPRESS	620	.	.	620	90
DOLINA	493	.	.	493	72
BARTIMO	262	.	.	262	38
NIKLAS	244	.	.	244	35
LPHL 458	223	.	.	223	32
BARNEE	162	.	.	162	24
Mean	418	.	.	418	
CV (%)	45.0	.	.	45.0	
LSD (0.05)	331	.	.	331	

* Please note trial CV over 20 % *

WFT TIMOTHY 2001 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 26JUN02	CUT 2 24SEP02	CUT 3 .		
DOLINA	5624	5233	.	10856	105
EXPRESS	5425	5152	.	10577	103
CLIMAX	5237	5067	.	10303	100
TUNDRA	5456	4455	.	9910	96
LPHL 458	4694	5200	.	9894	96
BARTIMO	4802	3841	.	8643	84
BARNEE	4616	4023	.	8638	84
NIKLAS	4735	3681	.	8415	82
Mean	5073	4581	.	9655	
CV (%)	16.4	18.3	.	11.2	
LSD (0.05)	1222	1233	.	1585	

WFT TIMOTHY 2001 NEEPAWA MB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF CLIMAX
	CUT 1 01AUG02	CUT 2	CUT 3		
EXPRESS	4000	.	.	4000	142
BARNEE	3800	.	.	3800	135
BARFLEO	3404	.	.	3404	121
NIKLAS	3160	.	.	3160	112
LPHL 458	3151	.	.	3151	112
DOLINA	2913	.	.	2913	104
TUNDRA	2908	.	.	2908	103
CLIMAX	2811	.	.	2811	100
BARTIMO	2737	.	.	2737	97
Mean	3209	.	.	3209	
CV (%)	19.4	.	.	19.4	
LSD (0.05)	754	.	.	754	

WFT CRESTED WHEATGRASS 1999 OYEN AB Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 28JUN02	CUT 2	CUT 3		
VAVILOV	2893	.	.	2893	100
KIRK	2883	.	.	2883	100
DOUGLAS	1718	.	.	1718	60
Mean	2498	.	.	2498	
CV (%)	8.6	.	.	8.6	
LSD (0.05)	373	.	.	373	

WFT CRESTED WHEATGRASS 1999 LETHBRIDGE AB Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 17JUL02	CUT 2	CUT 3		
KIRK	6844	.	.	6844	100
VAVILOV	6529	.	.	6529	95
DOUGLAS	5884	.	.	5884	86
Mean	6419	.	.	6419	
*CV (%)	6.0	.	.	6.0	
LSD (0.05)	1052	.	.	1052	

* square root transformation

WFT CRESTED WHEATGRASS 1999 LETHBRIDGE AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 11JUL02	CUT 2	CUT 3		
VAVILOV	7248	.	.	7248	103
KIRK	7037	.	.	7037	100
DOUGLAS	6973	.	.	6973	99
Mean	7086	.	.	7086	
CV (%)	8.5	.	.	8.5	
LSD (0.05)	707	.	.	707	

WFT CRESTED WHEATGRASS 1999 NETHERHILL SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 15JUL02	CUT 2 .	CUT 3 .		
KIRK	1080	.	.	1080	100
VAVILOV	920	.	.	920	85
DOUGLAS	597	.	.	597	55
Mean	866	.	.	866	
CV (%)	46.0	.	.	46.0	
LSD (0.05)	NS	.	.	NS	

* Please note trial CV over 20 % *

WFT CRESTED WHEATGRASS 1999 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 04JUL02	CUT 2 17SEP02	CUT 3 .		
KIRK	1832	102	.	1934	100
VAVILOV	1534	290	.	1824	94
DOUGLAS	1052	19	.	1072	55
Mean	1473	137	.	1610	
CV (%)	17.6	17.2	.	15.4	
LSD (0.05)	NS	138	.	NS	

WFT CRESTED WHEATGRASS 1999 SASKATOON SK Area-2

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 11JUL02	CUT 2 09SEP02	CUT 3 .		
KIRK	1430	848	.	2278	100
VAVILOV	1022	862	.	1884	83
DOUGLAS	489	242	.	732	32
Mean	981	651	.	1631	
CV (%)	17.1	38.1	.	23.3	
LSD (0.05)	291	430	.	660	

* Please note trial CV over 20 % *

WFT CRESTED WHEATGRASS 1999 NIPAWIN SK Area-4

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 03JUL02	CUT 2 .	CUT 3 .		
KIRK	1074	.	.	1074	100
VAVILOV	665	.	.	665	62
DOUGLAS	562	.	.	562	52
Mean	767	.	.	767	
CV (%)	23.0	.	.	23.0	
LSD (0.05)	309	.	.	309	

* Please note trial CV over 20 % *

WFT CRESTED WHEATGRASS 1999 OUTLOOK SK Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 25JUN02	CUT 2 24SEP02	CUT 3 .		
KIRK	6867	3813	.	10680	100
VAVILOV	5868	3923	.	9791	92
DOUGLAS	6608	0	.	6608	62
Mean	6448	2579	.	9026	
CV (%)	21.9	8.5	.	16.8	
LSD (0.05)	2439	380	.	2646	

Note : Douglas was mowed off prior to 2nd cut due to weed encroachment

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 29JUN02	CUT 2 .	CUT 3 .		
VAVILOV	3042	.	.	3042	111
KIRK	2734	.	.	2734	100
DOUGLAS	2152	.	.	2152	79
Mean	2643	.	.	2643	
CV (%)	11.7	.	.	11.7	
LSD (0.05)	533	.	.	533	

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

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF KIRK
	CUT 1 06AUG02	CUT 2 .	CUT 3 .		
KIRK	7303	.	.	7303	100
VAVILOV	5481	.	.	5481	75
DOUGLAS	3221	.	.	3221	44
Mean	5335	.	.	5335	
CV (%)	17.2	.	.	17.2	
LSD (0.05)	1310	.	.	1310	

WFT DORMANT SEEDING 2000 LACOMBE AB Area-3

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF AUBADE
	CUT 1 08JUL02	CUT 2 09AUG02	CUT 3 03OCT02		
ADVANCE	1673	1417	4507	7597	152
LOFA	1024	1226	3462	5713	114
PERUN	512	1341	3450	5303	106
AUBADE	1211	916	2879	5006	100
SIKEM	553	1138	3467	4873	97
AJAX	424	1024	3305	4754	95
CALIBRA	.	460	2166	2625	52
NORLEA	.	.	1476	1476	29
Mean	900	1072	3089	4668	
CV (%)	43.2	39.5	17.7	20.1	
LSD (0.05)	586	NS	802	1380	

* Please note trial CV over 20 % *

WFT DORMANT SEEDING 2000 BOW ISLAND AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF AUBADE
	CUT 1 01AUG02	CUT 2 17SEP02	CUT 3 .		
ADVANCE	4472	5788	.	10261	131
AUBADE	3547	4277	.	7824	100
AJAX	.	7439	.	7439	95
SIKEM	.	6747	.	6747	86
PERUN	.	5975	.	5975	76
LOFA	.	5961	.	5961	76
CALIBRA	.	3247	.	3247	42
NORLEA	.	1648	.	1648	21
Mean	4010	5135	.	6138	
CV (%)	6.8	15.8	.	13.5	
LSD (0.05)	618	1194	.	1221	

WFT DORMANT SEEDING 2000 BROOKS AB Area-IRR

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF AUBADE
	CUT 1 02AUG02	CUT 2 03SEP02	CUT 3 .		
ADVANCE	3474	5428	.	8901	129
SIKEM	.	7363	.	7363	107
AUBADE	2908	4002	.	6910	100
LOFA	.	6856	.	6856	99
AJAX	.	6842	.	6842	99
PERUN	.	6633	.	6633	96
CALIBRA	.	5278	.	5278	76
NORLEA	.	4878	.	4878	71
Mean	3191	5910	.	6708	
CV (%)	8.4	11.4	.	11.8	
LSD (0.05)	NS	992	.	1168	

WFT DORMANT SEEDING 2000 SWIFT CURRENT SK Area-1

CULTIVAR	2002 DM YIELD KG/HA			TOTAL	% OF AUBADE
	CUT 1 27SEP02	CUT 2 .	CUT 3 .		
AJAX	4605	.	.	4605	250
PERUN	3724	.	.	3724	202
ADVANCE	3171	.	.	3171	172
CALIBRA	3072	.	.	3072	167
LOFA	2324	.	.	2324	126
AUBADE	1845	.	.	1845	100
SIKEM	1619	.	.	1619	88
NORLEA	222	.	.	222	12
Mean	2692	.	.	2692	
CV (%)	32.4	.	.	32.4	
LSD (0.05)	1585	.	.	1585	

* Please note trial CV over 20 % *

Summary WFT 1999 Alfalfa - Alberta

	Cultivar Mean Yield Summary (kg/ha)																			
	1		2		3		4		IRR		BOW ISLAND		BROOKS		LETHBRIDGE					
	LEYEN	LETHBRIDGE	LACOMBE	VEGREVILLE	FORT KENT	WESTLOCK	BOW ISLAND	BROOKS	LETHBRIDGE											
Cultivar	2000*	2001*	2000*	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002			
4241	1,795	1,048	4,093	2,687	5,756	9,872	5,137	6,471	10,348	6,559	4,917	8,194	17,308	15,443	11,505	14,614	10,069	6,550		
ANCHOR	1,944	1,186	5,479	3,801	7,220	12,009	4,310	6,641	10,447	7,568	4,241	9,078	19,573	19,257	14,530	16,995	16,471	11,874	15,518	
BARRIER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BEAVER	1,749	832	5,747	3,518	5,520	10,841	5,631	6,970	12,306	8,031	5,201	9,227	18,553	17,099	12,137	17,837	15,913	11,198	17,269	
C227	.	.	5,463	3,321	8,200	10,766	3,734	6,208	.	.	4,556	.	.	.	.	.	.	.	.
CW 4223	.	.	4,455	3,105	8,350	12,456	5,489	7,955	.	.	5,076	.	.	.	.	.	.	.	.
OW 6408	.	.	5,289	2,454	7,648	13,298	4,795	6,285	.	.	4,251	.	.	.	.	.	.	.	.
DS 9923	1,651	1,489	4,824	3,519	6,405	11,084	4,500	6,997	11,127	7,421	4,150	8,693	19,132	18,102	14,597	17,831	15,233	12,252	16,849	
DS 9924	2,299	1,408	5,647	4,661	7,614	12,245	5,104	6,477	12,418	8,718	5,705	8,440	18,866	17,221	13,264	18,052	15,766	11,585	17,789	
DS 9925	2,170	1,114	5,389	2,473	7,194	12,001	4,714	7,887	10,531	7,517	4,490	9,562	19,283	18,398	13,997	18,457	16,101	12,013	17,433	
DS 9927	1,918	1,162	6,164	3,225	9,486	12,097	5,176	7,788	10,955	7,013	4,722	8,774	19,059	17,786	13,353	17,860	15,976	11,654	16,957	
DS 9928	2,616	914	5,015	2,141	6,866	11,589	5,303	6,725	10,245	7,968	5,412	9,737	19,433	18,219	14,097	18,375	15,966	11,629	16,607	
DS 9929	2,088	896	4,619	2,941	6,805	12,269	5,578	8,131	10,215	6,924	4,938	8,767	19,205	18,325	13,600	18,403	16,297	11,529	16,755	
GENEVA	1,431	830	4,785	2,875	7,885	12,234	5,069	7,418	10,314	7,770	4,886	8,249	18,817	18,844	13,728	16,979	16,256	12,134	17,516	
GIBRALTAR	2,193	894	3,671	2,671	6,501	11,566	2,039	4,767	11,647	8,992	3,387	9,142	20,269	18,005	13,488	17,486	15,660	12,366	15,535	
PICKSEED 2065W/F	1,809	871	6,495	3,143	8,023	12,387	4,707	7,582	9,672	7,842	4,699	9,131	19,487	18,373	14,472	17,413	16,912	11,763	16,065	
PICKSEED 3030	1,990	1,235	6,172	3,321	8,152	11,556	3,089	5,149	10,540	7,272	4,451	9,572	18,815	17,174	13,395	18,795	15,728	11,995	16,453	
R922	2,295	1,029	5,173	2,553	6,484	12,482	4,977	7,771	9,809	7,298	5,010	7,965	18,382	18,043	13,999	16,055	15,336	11,520	16,475	
R923	2,202	913	6,521	3,825	7,767	13,485	4,608	7,241	12,115	7,239	4,591	7,521	19,100	17,498	14,537	17,334	15,999	11,832	17,626	
RAMBLER	2,634	1,117	5,130	3,914	8,145	8,624	6,195	7,722	10,466	7,424	4,151	8,749	18,630	18,166	13,273	16,786	16,471	12,613	17,403	
SL 9900	1,801	1,460	5,788	2,777	8,511	11,800	5,679	8,030	10,816	8,078	4,641	8,784	18,513	18,546	13,278	18,330	15,604	11,454	17,417	
SL 9901	1,866	1,271	4,869	2,546	7,182	11,451	5,363	8,031	11,457	8,188	5,059	9,784	18,091	18,095	13,466	18,858	16,303	12,085	17,667	
SL 9902	2,753	1,278	6,702	3,832	8,666	12,802	5,470	8,514	9,979	7,408	5,294	7,608	18,033	18,156	13,565	17,014	15,834	11,413	17,443	
WL 327	1,862	1,019	4,876	2,787	7,477	12,296	3,206	5,606	11,228	7,539	4,385	9,317	18,633	18,156	13,565	17,014	15,834	11,413	17,443	
ZG 9831	1,396	666	5,941	3,803	6,291	11,425	5,611	7,985	10,240	8,457	4,993	9,443	19,067	18,214	13,051	18,287	16,440	11,525	16,716	

Note : Oyen & Vegreville no harvest data in 2002 due to dry conditions. Brooks (Area 1), Fort Kent, Westlock, Falher & High Prairie discontinued.

* Please note trial CV over 20 % *

CUTS	1	1	2	1	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3
CV(%)	29.5	36.5	34.4	13.3	12.6	8.7	13.1	15.7	10.5	18.7	17.9	11.5	3.9	4.8	5.6	7.4	6.1	6.4	10.4
Trial Mean (kg/ha)	2,022	1,071	5,346	3,162	7,462	11,779	4,812	7,098	10,803	7,679	4,717	8,888	18,903	17,875	13,539	17,505	15,865	11,720	17,043

Summary WFT 1999 Alfalfa - Alberta

	Yield as % of BEAVER																				
	1		2			3			4			IRR			LETHBRIDGE						
	OYEN		LETHBRIDGE			LACOMBE			VEGREVILLE			BOW ISLAND			BROOKS						
	2000*	2001*	2000*	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	
Cultiivar	103	126	71	76	104	91	91	93	84	82	95	89	93	90	95	82	93	107	90	88	
ANCHOR	111	143	95	108	131	111	77	95	85	95	82	98	106	113	120	104	106	107	112	118	
BARRIER	.	.	.	.	.	.	.	.	.	.	.	.	101	96	108	89	89	101	95	113	122
BEAVER	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
C227	.	.	95	94	149	99	66	89	.	88	88	.	.	.	.	.	.	97	106	115	125
CW 4223	.	.	78	88	151	115	97	114	.	.	.	.	.	.	.	.	.	103	109	125	136
CW 6408	.	.	92	70	139	123	85	90	.	82	82	.	103	.	.	.	.	105	112	117	136
DS 9923	94	179	84	100	116	102	80	100	90	92	80	94	103	106	120	96	109	98	108	117	135
DS 9924	131	169	98	132	138	113	91	93	101	109	110	91	102	101	109	101	99	103	103	102	115
DS 9925	124	134	94	70	130	111	84	113	86	94	86	104	103	108	115	103	101	107	101	110	119
DS 9927	110	140	107	92	172	112	92	112	89	87	91	95	103	104	110	100	100	98	115	120	120
DS 9928	150	110	87	61	124	107	94	96	83	99	104	106	105	107	116	103	100	104	96	116	110
DS 9929	119	108	80	84	123	113	99	117	83	86	95	95	104	107	112	102	103	103	97	112	120
GENEVA	82	100	83	82	143	113	90	106	84	97	94	89	101	110	113	95	102	108	101	105	135
GIBRALTAR	125	107	64	76	118	107	36	68	95	112	65	99	109	105	111	98	98	110	90	110	119
PICKSEED 2065W/F	103	105	113	89	145	114	84	109	79	98	90	99	105	107	119	106	106	93	114	128	128
PICKSEED 3030	114	149	107	94	148	107	55	74	86	91	86	104	101	100	110	105	99	107	95	108	127
R922	131	124	90	73	117	115	88	111	80	80	91	96	86	99	115	90	96	103	95	118	137
R923	126	110	113	109	141	124	82	104	98	90	88	82	103	102	120	97	101	106	102	102	128
RAMBLER	151	134	89	111	148	80	110	111	85	92	80	88	105	.	.	.	.	101	113	114	114
SL 9900	103	176	101	79	154	109	101	115	88	101	89	95	100	106	109	94	104	101	113	110	124
SL 9901	107	153	85	72	130	106	95	115	93	102	97	106	100	108	109	103	98	102	101	110	124
SL 9902	157	154	117	109	157	118	97	122	81	92	102	82	98	106	111	106	102	102	102	111	114
WL 327	106	123	85	79	135	113	57	80	91	94	84	101	100	106	112	95	100	102	101	117	125
ZG 9831	80	80	103	108	114	105	100	115	83	105	96	102	103	107	108	103	103	97	103	115	110

Note : Oyen & Vegreville no harvest data in 2002 due to dry conditions. Brooks (Area 1), Fort Kent, Westlock, Falher & High Prairie discontinued.

* Please note trial CV over 20 % *

CUTS	1	1	2	1	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3
CV(%)	29.5	36.5	34.4	13.3	12.6	8.7	13.1	15.7	10.5	18.7	17.9	11.5	3.9	4.8	5.6	7.4	6.1	6.4	10.4	9.1	5.0
BEAVER (kg/ha)	1749	831	5747	3517	5520	10841	5630	6970	12306	8030	5201	9227	18553	17099	12137	17837	15913	11198	17269	11171	7442

Summary WFT 1999 Alfalfa - Saskatchewan

	Yield as % of BEAVER																	
	1				2				3				4				IRR	
	NETHE- RHILL		SWIFT CURRENT		SASKATOON		CANORA		TISDALE		OUTLOOK							
	2000*	2000	2001*	2002	2000	2001*	2002	2000	2001*	2002	2000	2001*	2002	2000	2001	2002		
Cultivar																		
4241	93	82	115	86	82	73	76	90	81	90	91	94	82	83	101	103		
ANCHOR	91	95	131	92	86	90	110	102	83	120	91	80	91	101	101	102		
BARRIER	.	.	.	.	.	.	.	.	.	.	.	.	.	99	100	106
BEAVER	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
C227	92	96	89	91	77	94	96	102	82	66	95	100	86	116	104	106		
CW 4223	124	94	131	94	84	117	87	108	101	120	88	89	74	109	107	107		
CW 6408	120	107	272	94	71	123	94	114	117	114	98	92	85	112	102	107		
DS 9923	118	86	82	85	65	73	86	98	89	83	100	95	84	123	105	109		
DS 9924	86	92	140	85	92	98	85	94	87	107	91	97	95	107	97	106		
DS 9925	110	104	228	88	93	94	92	95	82	92	98	96	90	99	103	101		
DS 9927	104	104	210	84	81	89	88	100	100	85	89	87	98	114	99	99		
DS 9928	98	98	129	87	83	81	98	95	80	106	86	86	89	111	84	98		
DS 9929	103	107	174	101	74	86	100	106	93	88	92	96	98	104	101	106		
GENEVA	75	83	83	83	78	79	86	103	103	107	91	91	82	110	108	100		
GIBBALTAR	89	87	94	73	83	78	96	96	63	72	95	94	89	106	105	111		
PICKSEED 206SMF	83	88	110	84	91	89	77	97	74	85	100	94	91	124	104	107		
PICKSEED 3030	87	108	265	97	83	96	107	91	71	76	103	85	90	107	107	103		
R922	72	86	70	84	68	86	91	103	108	96	92	103	82	118	111	102		
R923	86	85	96	74	86	89	80	103	85	89	90	92	82	121	108	113		
RAMBLER	102	99	144	97	81	75	71	84	78	81	95	103	90	.	.	.		
SL 9900	104	91	144	90	75	102	104	104	102	113	85	96	88	106	99	100		
SL 9901	109	97	130	83	86	110	92	106	102	103	89	87	80	116	108	114		
SL 9902	109	92	124	99	91	118	95	106	118	120	92	85	75	111	111	121		
WL 327	79	103	97	102	80	91	84	101	76	88	89	86	94	115	104	112		
ZG 9831	126	96	116	102	78	83	105	110	127	117	92	91	82	102	107	109		

CUTS 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3
 CV(%) 31.0 14.8 80.7 13.6 17.2 31.1 18.7 8.0 34.0 20.0 12.0 12.0 12.0 12.0 14.2 10.4 11.8
 BEAVER (kg/ha) 3077 5301 322 4005 7428 3757 3129 13001 8835 6538 9479 4781 4490 11818 16000 8785
 Note : Netherhill no harvest data taken 2001 or 2002 due to dry conditions.

* Please note trial CV over 20 % *

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

	Cultivar Mean Yield Summary (kg/ha)						
	3						
	ARBORG		NEEPAWA		ST. PIERRE		
	2001	2002	2001	2002	2000	2001	2002
Cultivar							
4241	10,456	6,623	9,472	8,757	7,620	10,970	7,290
ANCHOR	10,301	6,796	9,836	12,391	7,964	11,684	6,503
BEAVER	10,559	6,698	10,878	11,212	8,522	9,753	6,946
C227	11,429	6,815	10,865	10,358	8,545	10,851	6,901
CW 4223	12,282	7,222	10,971	10,030	9,881	10,702	7,860
CW 6408	10,778	6,921	8,073	9,804	9,373	10,989	7,668
DS 9923	11,546	7,111	8,808	10,152	9,214	9,914	7,291
DS 9924	10,663	6,690	9,454	10,566	10,023	10,942	7,974
DS 9925	11,754	7,121	10,022	11,561	8,004	10,689	7,432
DS 9927	10,920	6,705	9,445	10,176	9,392	10,146	7,458
DS 9928	11,010	6,440	10,349	11,193	8,473	12,192	7,807
DS 9929	10,488	6,726	9,986	11,790	9,224	10,778	7,555
GENEVA	11,511	7,274	8,883	9,116	9,019	11,736	7,678
GIBRALTAR	11,165	6,661	11,050	10,167	9,860	11,583	7,776
PICKSEED 2065MF	10,188	6,813	10,416	10,217	8,612	10,874	6,908
PICKSEED 3030	10,906	7,259	10,081	10,831	8,664	10,162	7,002
R922	10,340	6,903	9,917	9,749	8,274	10,652	8,085
R923	10,502	6,895	9,537	9,745	8,781	11,953	6,899
RAMBLER	12,642	6,646	9,356	10,942	6,001	10,699	6,863
SL 9900	10,614	6,357	8,022	10,351	9,474	11,874	7,518
SL 9901	10,615	6,752	10,384	10,139	9,387	10,836	7,272
SL 9902	10,720	5,891	10,182	10,717	8,976	10,277	7,111
WL 327	10,762	6,923	10,631	9,798	10,120	10,742	7,984
ZG 9831	11,477	6,856	10,298	9,717	9,066	10,739	7,277

CUTS	2	2	2	2	3	1	2
CV(%)	11.7	12.5	14.9	9.6	12.1	12.7	8.1
Trial Mean (kg/ha)	10,984	6,796	9,871	10,395	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	2001	2002	2000	2001	2002
Cultivar							
4241	99	99	87	78	89	112	105
ANCHOR	98	101	90	111	93	120	94
BEAVER	100	100	100	100	100	100	100
C227	108	102	100	92	100	111	99
CW 4223	116	108	101	89	116	110	113
CW 6408	102	103	74	87	110	113	110
DS 9923	109	106	81	91	108	102	105
DS 9924	101	100	87	94	118	112	115
DS 9925	111	106	92	103	94	110	107
DS 9927	103	100	87	91	110	104	107
DS 9928	104	96	95	100	99	125	112
DS 9929	99	100	92	105	108	111	109
GENEVA	109	109	82	81	106	120	111
GIBRALTAR	106	99	102	91	116	119	112
PICKSEED 2065MF	96	102	96	91	101	111	99
PICKSEED 3030	103	108	93	97	102	104	101
R922	98	103	91	87	97	109	116
R923	99	103	88	87	103	123	99
RAMBLER	120	99	86	98	70	110	99
SL 9900	101	95	74	92	111	122	108
SL 9901	101	101	95	90	110	111	105
SL 9902	102	88	94	96	105	105	102
WL 327	102	103	98	87	119	110	115
ZG 9831	109	102	95	87	106	110	105

CUTS	2	2	2	2	3	1	2
CV(%)	11.7	12.5	14.9	9.6	12.1	12.7	8.1
BEAVER (kg/ha)	10559	6698	10878	11212	8522	9753	6946

Summary WFT 2000 Alfalfa - Alberta

	Cultivar Mean Yield Summary (kg/ha)													
	2		3		IRR						LETHBRIDGE			
	LETHBRIDGE		LACOMBE		BOW ISLAND		BROOKS		LETHBRIDGE					
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
Cultivar														
54V54	2,934	5,522	7,967	9,872	14,124	14,256	16,218	15,385	9,993	7,182				
AC BLUE J	3,083	6,951	7,349	9,560	15,042	15,055	12,161	15,437	10,341	7,293				
BEAVER	3,564	6,787	8,463	7,468	15,488	14,160	14,517	14,053	9,505	6,765				
CASCADIA ML	3,440	7,037	7,580	8,803	16,391	14,674	15,657	14,402	8,645	6,865				
CW 73038	3,415	7,638	7,858	9,367	15,174	14,892	14,823	15,330	10,349	7,679				
DS027 -BY	3,083	6,564	8,243	9,454	16,022	15,678	13,609	15,443	9,527	7,357				
DS028 -BY	3,589	6,953	9,138	10,093	15,626	14,727	15,247	15,089	10,878	7,408				
DS029 -BY	3,647	6,269	7,747	9,069	16,761	15,023	15,757	14,938	10,082	7,605				
DS030 -BY	3,804	6,717	8,378	9,133	15,957	14,354	14,288	14,678	9,842	7,413				
DS2000	3,390	5,636	7,760	9,184	14,855	13,853	15,171	13,881	9,093	6,470				
DS380 -BY	3,274	7,350	8,468	9,678	15,764	14,395	15,209	15,166	10,465	7,255				
EX101	2,743	5,013	8,923	9,199	16,236	14,674	13,849	15,021	10,814	7,649				
PICKSEED 3008	2,553	6,487	5,509	6,647	15,501	13,461	14,880	14,701	9,041	6,951				
RAMBLER	3,415	6,921	8,930	8,733	14,937	12,740	14,244	12,793	8,343	6,210				
RANGELANDER	3,531	6,567	7,777	8,559	14,187	12,646	14,477	12,743	8,327	6,336				
RENAISSANCE	3,365	6,963	8,351	9,744	17,996	15,548	13,830	15,356	10,348	7,441				

CUTS	1	2	3	3	3	3	3	3	3	3	2
CV(%)	13.2	11.3	7.9	9.4	8.4	6.6	8.7	5.0	9.5	8.4	
Trial Mean (kg/ha)	3,302	6,586	8,028	9,035	15,629	14,383	14,621	14,651	9,725	7,117	

Note : All other locations discontinued due to dry conditions.

Summary WFT 2000 Alfalfa - Alberta

	Yield as % of BEAVER									
	2		3		IRR				LETHBRIDGE	
	LETHBRIDGE		LACOMBE		BOW ISLAND		BROOKS		LETHBRIDGE	
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
Cultivar										
54V54	82	81	94	132	91	101	112	109	105	106
AC BLUE J	87	102	87	128	97	106	84	110	109	108
BEAVER	100	100	100	100	100	100	100	100	100	100
CASCADIA ML	97	104	90	118	106	104	108	102	91	101
CW 73038	96	113	93	125	98	105	102	109	109	114
DS027 -BY	87	97	97	127	103	111	94	110	100	109
DS028 -BY	101	102	108	135	101	104	105	107	114	110
DS029 -BY	102	92	92	121	108	106	109	106	106	112
DS030 -BY	107	99	99	122	103	101	98	104	104	110
DS2000	95	83	92	123	96	98	105	99	96	96
DS380 -BY	92	108	100	130	102	102	105	108	110	107
EX101	77	74	105	123	105	104	95	107	114	113
PICKSEED 3008	72	96	65	89	100	95	102	105	95	103
RAMBLER	96	102	106	117	96	90	98	91	88	92
RANGELANDER	99	97	92	115	92	89	100	91	88	94
RENAISSANCE	94	103	99	130	116	110	95	109	109	110
CUTS	1	2	3	3	3	3	3	3	3	2
CV(%)	13.2	11.3	7.9	9.4	8.4	6.6	8.7	5.0	9.5	8.4
BEAVER (kg/ha)	3564	6787	8462	7468	5488	14160	14517	14053	9505	6765

Note : All other locations discontinued due to dry conditions.

Summary WFT 2000 Alfalfa - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)													
	1		2		3		4		IRR		OUTLOOK			
	NETHERHILL	SWIFT CURRENT	SASKATOON	CANORA	NIPAWIN	2001	2002	2001	2002	2001	2002			
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002		
Cultivar														
54V54	1,371	1,371	526	5,283	4,752	3,667	9,688	7,518	11,912	5,274	13,175	10,156		
AC BLUE J	1,428	1,428	608	5,718	4,633	3,580	9,531	7,134	10,451	4,923	12,731	9,453		
BEAVER	1,759	1,759	636	6,383	5,322	3,094	9,175	7,114	10,848	6,119	12,781	9,804		
CW 73038	1,716	1,716	537	6,235	5,012	3,419	11,328	7,229	10,860	6,490	12,970	10,037		
DK124	2,116	2,116	695	5,547	4,819	3,189	10,567	7,042	10,010	4,442	14,067	10,659		
DK134	1,711	1,711	490	6,112	4,851	3,071	11,021	7,795	12,107	5,823	14,014	9,509		
DS027-BY	1,885	1,885	584	5,802	4,426	3,131	10,092	7,348	10,375	6,312	13,788	10,136		
DS028-BY	1,893	1,893	665	5,861	4,808	3,085	11,274	7,710	10,215	6,595	13,438	10,198		
DS029-BY	1,710	1,710	552	5,210	4,724	3,582	10,944	7,806	11,707	4,803	12,829	9,915		
DS030-BY	1,909	1,909	605	5,919	5,103	3,569	10,848	8,331	10,748	5,989	13,896	10,809		
DS2000	1,943	1,943	679	6,378	5,071	3,294	10,350	6,513	10,941	5,688	12,979	9,239		
DS380-BY	2,082	2,082	611	5,939	4,841	2,935	10,522	8,558	9,639	6,073	12,808	9,786		
EX101	2,021	2,021	691	5,787	4,761	3,310	9,711	7,695	9,814	5,598	13,170	10,415		
PICKSEED 3008	1,957	1,957	394	5,269	5,207	3,508	9,607	5,733	10,833	3,458	13,127	9,919		
RAMBLER	2,027	2,027	589	6,285	5,679	3,555	10,809	6,818	10,348	5,945	12,635	9,345		
RANGELANDER	2,178	2,178	644	5,968	5,083	3,599	10,216	7,328	10,212	6,648	13,308	8,723		
RENAISSANCE	1,795	1,795	672	5,020	4,895	3,650	10,933	8,019	10,679	5,067	14,028	9,767		
CUTS	1	1	1	2	2	1	2	2	2	1	3	3		
CV(%)	14.0	14.0	17.5	11.9	14.7	19.9	16.0	13.0	11.0	16.0	6.4	6.0		
Trial Mean (kg/ha)	1,853	1,853	601	5,836	4,940	3,367	10,389	7,394	10,688	5,603	13,279	9,875		

Summary WFT 2000 Alfalfa - Saskatchewan

	Yield as % of BEAVER											
	1		2		3		4		IRR		OUTLOOK	
	NETHERHILL	SWIFT CURRENT	SASKATOON	CANORA	NIPAWIN	OUTLOOK	NETHERHILL	SWIFT CURRENT	SASKATOON	CANORA	NIPAWIN	OUTLOOK
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
Cultivar												
54V54	78	78	83	83	89	119	106	106	110	86	103	104
AC BLUE J	81	81	96	90	87	116	104	100	96	80	100	96
BEAVER	100	100	100	100	100	100	100	100	100	100	100	100
CW 73038	98	98	84	98	94	111	123	102	100	106	101	102
DK124	120	120	109	87	91	103	115	99	92	73	110	109
DK134	97	97	77	96	91	99	120	110	112	95	110	97
DS027-BY	107	107	92	91	83	101	110	103	96	103	108	103
DS028-BY	108	108	105	92	90	100	123	108	94	108	105	104
DS029-BY	97	97	87	82	89	116	119	110	108	78	100	101
DS030-BY	109	109	95	93	96	115	118	117	99	98	109	110
DS2000	110	110	107	100	95	106	113	92	101	93	102	94
DS380-BY	118	118	96	93	91	95	115	120	89	99	100	100
EX101	115	115	109	91	89	107	106	108	90	91	103	106
PICKSEED 3008	111	111	62	83	98	113	105	81	100	57	103	101
RAMBLER	115	115	93	98	107	115	118	96	95	97	99	95
RANGELANDER	124	124	101	93	96	116	111	103	94	109	104	89
RENAISSANCE	102	102	106	79	92	118	119	113	98	83	110	100
CUTS	1	1	1	2	2	1	2	2	2	1	3	3
CV(%)	14.0	14.0	17.5	11.9	14.7	19.9	16.0	13.0	11.0	16.0	6.4	6.0
BEAVER (kg/ha)	1759	1759	636	6383	5322	3094	9175	7114	10848	6119	12781	9804

Summary WFT 2000 Alfalfa - Manitoba

	Cultivar Mean Yield Summary (kg/ha)					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2001	2002	2001	2002	2001	2002
Cultivar						
54V54	10,848	7,594	10,463	9,514	11,654	7,392
AC BLUE J	10,456	6,893	10,448	9,797	12,244	6,969
BEAVER	10,212	7,203	11,406	9,801	11,602	7,326
CW 73038	10,025	7,568	8,971	10,338	11,943	7,478
DK124	8,322	7,352	10,525	8,665	11,921	7,580
DK134	10,616	7,208	9,526	9,916	11,402	8,064
DS027-BY	10,414	7,359	10,110	10,499	11,597	7,509
DS028-BY	10,269	7,433	11,515	10,439	12,121	7,700
DS029-BY	10,234	7,027	10,365	10,497	11,302	7,091
DS030-BY	9,347	7,327	10,139	11,599	10,742	7,509
DS2000	10,124	8,019	10,042	9,761	12,338	7,622
DS380-BY	10,304	7,206	9,418	10,598	11,938	7,559
EX101	10,954	7,689	10,308	9,132	11,693	7,150
PICKSEED 3008	8,489	7,646	9,207	7,702	12,539	7,489
RAMBLER	10,843	6,981	10,071	10,638	11,939	7,341
RANGELANDER	10,866	7,181	11,423	9,749	11,902	7,550
RENAISSANCE	9,029	7,723	10,462	9,369	12,210	7,467

CUTS	2	2	2	2	1	2
CV(%)	15.2	7.6	14.7	10.6	8.2	8.0
Trial Mean (kg/ha)	10,080	7,377	10,259	9,880	11,829	7,459

Summary WFT 2000 Alfalfa - Manitoba

	Yield as % of BEAVER					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2001	2002	2001	2002	2001	2002
Cultivar						
54V54	106	105	92	97	100	101
AC BLUE J	102	96	92	100	106	95
BEAVER	100	100	100	100	100	100
CW 73038	98	105	79	105	103	102
DK124	81	102	92	88	103	103
DK134	104	100	84	101	98	110
DS027-BY	102	102	89	107	100	102
DS028-BY	101	103	101	107	104	105
DS029-BY	100	98	91	107	97	97
DS030-BY	92	102	89	118	93	102
DS2000	99	111	88	100	106	104
DS380-BY	101	100	83	108	103	103
EX101	107	107	90	93	101	98
PICKSEED 3008	83	106	81	79	108	102
RAMBLER	106	97	88	109	103	100
RANGELANDER	106	100	100	99	103	103
RENAISSANCE	88	107	92	96	105	102

CUTS	2	2	2	2	1	2
CV(%)	15.2	7.6	14.7	10.6	8.2	8.0
BEAVER (kg/ha)	10212	7203	11406	9801	11602	7326

Summary WFT 2001 Alfalfa - Alberta

	Cultivar Mean Yield Summary (kg/ha)		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
Cultivar			
AC BLUE J	11,360	14,756	7,996
AC LONGVIEW	12,436	13,864	8,495
BEAVER	11,007	12,229	8,234
LOSAP	10,048	11,610	6,849
NSO1DA	13,329	13,796	8,073
NSO1M5	12,830	13,289	8,114
NSO1M7	11,601	12,025	7,896
RAMBLER	11,122	13,326	8,099
RANGELANDER	10,434	13,108	7,683
STARBUCK	12,970	12,500	8,139
STOCKWELL	12,713	11,679	7,853

CUTS	3	3	2
CV(%)	6.6	15.5	9.7
Trial Mean (kg/ha)	11,804	12,926	7,948

Note : All other locations poor establishment due to dry conditions

Summary WFT 2001 Alfalfa - Alberta

	Yield as % of BEAVER		
	3	IRR	
	LACOM- BE	BROOKS	LETHB- RIDGE
	2002	2002	2002
Cultivar			
AC BLUE J	103	121	97
AC LONGVIEW	113	113	103
BEAVER	100	100	100
LOSAP	91	95	83
NSO1DA	121	113	98
NSO1M5	117	109	99
NSO1M7	105	98	96
RAMBLER	101	109	98
RANGELANDER	95	107	93
STARBUCK	118	102	99
STOCKWELL	115	96	95

CUTS	3	3	2
CV(%)	6.6	15.5	9.7
BEAVER (kg/ha)	11007	12229	8234

Note : All other locations poor establishment
Due to dry conditions

Summary WFT 2001 Alfalfa - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)			
	1	2	4	IRR
	SWIFT CURRE- NT	SASKA- TOON	NIPAW- IN	OUTLO- OK
	2002	2002*	2002*	2002
Cultivar				
AC BLUE J	5,287	3,465	1,702	15,433
AC LONGVIEW	5,072	3,682	1,825	14,500
BEAVER	5,326	3,809	1,330	13,585
LOSAP	4,150	2,827	1,085	13,156
NS01DA	4,836	3,370	1,085	14,618
NS01M5	5,127	3,121	1,741	13,224
NS01M7	4,853	2,943	1,256	13,543
RAMBLER	5,636	3,817	1,715	12,867
RANGELANDER	5,309	3,663	1,127	11,823
STARBUCK	4,753	3,444	1,420	13,601
STOCKWELL	5,172	3,249	572	13,290

CUTS	2	2	1	3
CV(%)	8.3	20.7	56.0	8.4
Trial Mean (kg/ha)	5,088	3,399	1,351	13,603

Note : Netherhill & Canora no harvest data
taken due to dry conditions

*** Please note trial CV over 20 % ***

Summary WFT 2001 Alfalfa - Saskatchewan

	Yield as % of BEAVER			
	1	2	4	IRR
	SWIFT CURRE- NT	SASKA- TOON	NIPAW- IN	OUTLO- OK
	2002	2002*	2002*	2002
Cultivar				
AC BLUE J	99	91	128	114
AC LONGVIEW	95	97	137	107
BEAVER	100	100	100	100
LOSAP	78	74	82	97
NS01DA	91	88	82	108
NS01M5	96	82	131	97
NS01M7	91	77	94	100
RAMBLER	106	100	129	95
RANGELANDER	100	96	85	87
STARBUCK	89	90	107	100
STOCKWELL	97	85	43	98

CUTS	2	2	1	3
CV(%)	8.3	20.7	56.0	8.4
BEAVER (kg/ha)	5326	3809	1330	13585

Note : Netherhill & Canora no harvest data
taken due to dry conditions

*** Please note trial CV over 20 % ***

Summary WFT 2001 Alfalfa - Manitoba

	Cultivar Mean Yield Summary (kg/ha)		
	3		
	ARBORG	NEEPA-WA	ST. PIERRE
	2002	2002	2002
Cultivar			
AC BLUE J	7,272	9,260	9,904
AC LONGVIEW	7,866	9,675	9,827
BEAVER	7,410	10,364	10,225
LOSAP	6,756	7,612	10,153
NSO1DA	7,458	9,351	10,672
NSO1M5	7,072	8,913	10,191
NSO1M7	6,698	7,903	9,969
RAMBLER	7,368	10,458	9,869
RANGELANDER	7,731	10,610	10,216
STARBUCK	7,746	8,339	10,889
STOCKWELL	8,003	9,589	11,459

CUTS	2	2	2
CV(%)	11.8	11.4	10.1
Trial Mean (kg/ha)	7,398	9,279	10,307

Summary WFT 2001 Alfalfa - Manitoba

	Yield as % of BEAVER		
	3		
	ARBORG	NEEPA- WA	ST. PIERRE
	2002	2002	2002
Cultivar			
AC BLUE J	98	89	97
AC LONGVIEW	106	93	96
BEAVER	100	100	100
LOSAP	91	73	99
NSO1DA	101	90	104
NSO1M5	95	86	100
NSO1M7	90	76	97
RAMBLER	99	101	97
RANGELANDER	104	102	100
STARBUCK	105	80	106
STOCKWELL	108	93	112

CUTS	2	2	2
CV(%)	11.8	11.4	10.1
BEAVER (kg/ha)	7410	10364	10225

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

	Cultivar Mean Yield Summary (kg/ha)					
	3					
	ARBORG		NEEPA- WA	ST. PIERRE		
	2001	2002	2001	2000	2001	2002
Cultivar						
AURORA	10,076	5,105	5,149	5,170	6,981	3,908
BOR 2222	8,741	4,749	4,654	4,276	7,367	3,978
NSCL 29	11,934	5,412	5,684	5,343	8,184	4,478

CUTS	2	2	1	3	0	1
CV(%)	7.0	5.0	10.4	5.1	11.0	11.0
Trial Mean (kg/ha)	10,250	5,089	5,162	4,930	7,510	4,121

	Yield as % of AURORA					
	3					
	ARBORG		NEEPA- WA	ST. PIERRE		
	2001	2002	2001	2000	2001	2002
Cultivar						
AURORA	100	100	100	100	100	100
BOR 2222	87	93	90	83	106	102
NSCL 29	118	106	110	103	117	115

Note : Neepawa no harvest data reported in 2002

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

	Cultivar Mean Yield Summary (kg/ha)					
	3					
	ARBORG		NEEPA- WA	ST. PIERRE		
	2001	2002	2001	2000	2001	2002
Cultivar						
ALTASWEDE	11,055	3,304	6,628	5,131	8,631	5,622
VIVI	11,676	3,469	5,765	5,639	9,246	6,198
WILDCAT	.	.	.	6,514	6,536	5,640

CUTS	2	1	1	3	1	1
CV(%)	6.3	8.6	7.3	0.4	9.7	8.0
Trial Mean (kg/ha)	11,365	3,386	6,197	5,761	8,137	5,820

	Yield as % of ALTASWEDE					
	3					
	ARBORG		NEEPA- WA	ST. PIERRE		
	2001	2002	2001	2000	2001	2002
Cultivar						
ALTASWEDE	100	100	100	100	100	100
VIVI	106	105	87	110	107	110
WILDCAT	.	.	.	127	76	100

Note : Neepawa no harvest data reported in 2002

Summary WFT 1999 Kentucky Bluegrass - Alberta

		Cultivar Mean Yield Summary (kg/ha)																																			
		3						IRR																													
2		LACOMBE						VEGREVILLE						BOW ISLAND						BROOKS						LETHBRIDGE											
LETHB-RIDGE		2000*						2001						2002*						2000						2001						2002					
Cultivar		786	10,901	5,118	2,294	5,341	2,140	12,881	5,939	3,298	12,543	11,483	4,262	4,529	1,668	1,939	1,041	11,295	4,445	3,127	4,591	2,319	13,590	7,698	4,557	12,988	11,548	4,783	6,531	2,038	3,379						
KVER003																																					
TROY																																					

CUTS 1 3 3 2 2 1 2 3 1 2 3 1 2 2 1 1
 CV(%) 28.6 10.7 11.4 26.8 10.5 20.0 7.9 8.0 8.8 3.2 8.0 15.4 12.8 21.5 10.0
 Trial Mean (kg/ha) 913 11,098 4,782 2,710 4,966 2,229 13,235 6,819 3,927 12,766 11,515 4,523 5,530 1,853 2,659

		Yield as % of TROY																																			
		3						IRR																													
2		LACOMBE						VEGREVILLE						BOW ISLAND						BROOKS						LETHBRIDGE											
LETHB-RIDGE		2000*						2001						2002*						2000						2001						2002					
Cultivar		76	97	115	73	116	92	95	77	72	97	99	89	69	82	57	76	100	100	100	100	100	100	100	100	100	100	100	100	100	100						
KVER003																																					
TROY																																					

Note : Lethbridge (Area 2) discontinued. Vegreville no harvest data in 2002 due to dry conditions.

- Please note trial CV over 20 % *

Summary WFT 1999 Kentucky Bluegrass - Saskatchewan
(Nipawin seeded 2000)

		Cultivar Mean Yield Summary (kg/ha)												
		1		2		3		4		IRR				
		SWIFT CURRENT		SASKATOON		CANORA		NIPAWIN		OUTLOOK				
		2000 *	2001 *	2002	2000	2001 *	2000	2001	2002 *	2001	2002 *	2000	2001	2002
Cultivar														
KVER003		1,394	1,238	1,536	3,749	0	6,196	1,340	370	3,083	1,443	14,930	16,291	13,914
TROY		3,844	2,646	2,626	3,578	287	8,295	2,801	768	3,985	2,063	16,196	16,981	12,704

CUTS 2 1 1 2 1 1 1 1 1 1 2 2 2 2
 CV(%) 40.2 23.2 4.8 12.7 109.0 15.0 9.0 53.0 6.0 35.0 12.1 10.6 5.5
 Trial Mean (kg/ha) 2,619 1,942 2,081 3,664 144 7,227 2,070 569 3,534 1,753 15,563 16,636 13,309

		Yield as % of TROY												
		1		2		3		4		IRR				
		SWIFT CURRENT		SASKATOON		CANORA		NIPAWIN		OUTLOOK				
		2000 *	2001 *	2002	2000	2001 *	2000	2001	2002 *	2001	2002 *	2000	2001	2002
Cultivar														
KVER003		36	47	58	105	0	75	48	48	77	70	92	96	110
TROY		100	100	100	100	100	100	100	100	100	100	100	100	100

Note : Saskatoon no harvest data in 2002 due to dry conditions

• Please note trial CV over 20 % *

Summary WFT 1999 Kentucky Bluegrass - Manitoba
(seeded 2000)

	Cultivar Mean Yield Summary (kg/ha)		
	3		
	ARBORG	NEEPAWA	
	2001	2001	2002
Cultivar			
KVER003	8,090	3,447	1,254
TROY	8,062	3,073	2,040

CUTS	1	1	1
CV(%)	10.7	16.9	12.5
Trial Mean (kg/ha)	8,076	3,260	1,647

	Yield as % of TROY		
	3		
	ARBORG	NEEPAWA	
	2001	2001	2002
Cultivar			
KVER003	100	112	61
TROY	100	100	100

Note :Arborg no harvest data reported in 2002

**Summary WFT 1999 Bromegrass - Alberta
(Falter & High Prairie seeded 2000)**

CULTIVAR	Cultivar Mean Yield Summary (kg/ha)																											
	1					2					3					4					5							
	BROOKS		OVEN			LETHBRIDGE			PROVO-ST		LACOMBE		VEGREVILLE			FORT KENT		FALHER		HIGH PRAIRIE		BOW ISLAND		BROOKS		LETHBRIDGE		
	2000*	2001*	2002	2000*	2001*	2002	2000*	2001*	2002	2000*	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	
FLEET	2,683	5,191	1,435	1,255	5,803	2,255	5,852	784	9,152	10,365	8,105	10,693	8,479	5,925	3,029	6,641	3,213	6,479	2,428	17,927	10,261	6,548	19,603	17,233	9,716	13,661	10,707	6,544
MB-A	2,772	5,410	1,623	1,355	5,179	1,472	5,409	810	8,644	9,678	7,627	11,625	8,757	5,061	3,383	6,786	3,219	6,556	2,189	17,000	10,925	6,604	18,193	16,513	9,026	12,556	11,385	7,429
CARLTON	2,331	5,469	1,416	1,544	6,164	1,855	6,042	1,042	11,073	9,658	8,359	12,402	12,369	6,220	3,879	6,517	3,698	7,015	2,265	17,905	10,030	6,235	19,191	16,974	11,618	14,246	12,915	8,615
LOBP9201	2,296	4,752	1,040	1,529	4,289	1,647	5,409	714	11,038	9,452	7,987	10,810	10,653	4,673	4,177	7,074	4,265	6,116	3,132	16,107	9,497	6,604	17,408	17,316	10,871	12,674	10,847	7,518
LOBP9202	2,270	5,419	1,495	1,624	3,893	1,455	5,282	784	10,058	10,056	8,289	10,697	10,462	6,043	4,823	7,317	4,711	5,949	3,068	15,789	10,487	5,878	18,287	15,829	11,383	14,285	13,507	7,616
S-93561	3,726	4,883	1,907	1,548	6,200	1,967	6,460	1,145	10,509	7,677	6,534	11,519	9,252	5,016	3,705	7,153	4,278	7,372	2,953	16,345	8,233	5,420	17,522	14,330	9,549	15,557	12,758	9,653

Trial Mean (kg/ha) 2,680 5,187 1,486 1,470 5,255 1,775 5,742 873 10,079 9,481 7,817 11,291 9,995 5,382 3,824 6,915 3,898 6,581 2,673 16,845 9,905 6,215 18,367 16,366 10,361 13,830 12,020 7,896

Smooth Bromegrass	Yield as % of FLEET																												
	1					2					3					4					5								
	BROOKS		OVEN			LETHBRIDGE			PROVO-ST		LACOMBE		VEGREVILLE			FORT KENT		FALHER		HIGH PRAIRIE		BOW ISLAND		BROOKS		LETHBRIDGE			
Meadow Bromegrass	2000*	2000	2001*	2002	2000*	2001*	2002	2000*	2001*	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002	
FLEET	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
MB-A	103	104	113	108	89	65	92	103	94	93	94	109	103	85	112	102	100	101	90	95	106	101	93	96	93	92	106	114	

Yield as % of CARLTON

* Please note trial CV over 20 % *

Note : Brooks (Area 1), Provost, Fort Kent discontinued. Vegreville no harvest data in 2002 due to dry conditions,

Summary WFT 1999 Bromegrass - Saskatchewan

		Cultivar Mean Yield Summary (kg/ha)																					
		1				2				3				4				IRR					
		NETHERHILL				SWIFT CURRENT				SASKATOON				CANORA				NIPAWIN				OUTLOOK	
Cultivar		2000	2001*	2002*	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002*	2000	2001	2002				
FLEET		3,173	1,193	181	4,803	508	1,949	8,690	1,678	2,534	10,554	3,503	2,696	11,283	7,164	490	17,226	15,363	10,963				
MB-A		3,079	1,512	122	4,338	441	2,194	7,490	1,490	2,746	9,953	4,448	2,503	11,502	7,137	746	18,823	16,979	10,156				
CARLTON		3,830	1,443	388	4,029	195	1,280	8,588	2,355	2,936	11,433	4,080	3,872	11,853	9,493	974	18,963	18,144	10,134				
LOBF9201		3,188	1,270	417	4,107	263	1,529	8,798	1,946	2,253	11,129	4,383	4,818	12,251	9,493	1,109	19,702	16,705	9,759				
LOBF9202		3,126	1,138	329	3,684	223	1,339	9,518	2,066	2,379	11,188	3,973	3,820	11,048	8,503	790	17,978	16,729	10,426				
S-93561		3,601	1,927	371	4,137	349	1,661	9,041	2,313	1,965	11,275	5,406	4,494	12,097	8,724	1,026	16,837	16,288	9,933				
Trial Mean (kg/ha)		3,333	1,414	301	4,183	330	1,659	8,687	1,975	2,469	10,922	4,299	3,700	11,672	8,473	856	18,255	16,701	10,228				

		Yield as % of FLEET																					
		1				2				3				4				IRR					
		NETHERHILL				SWIFT CURRENT				SASKATOON				CANORA				NIPAWIN				OUTLOOK	
Meadow Bromegrass		2000	2001*	2002*	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002*	2000	2001	2002				
FLEET		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
MB-A		97	127	67	90	87	113	86	89	108	94	127	93	102	100	152	109	111	93				
Smooth Bromegrass		Yield as % of CARLTON																					
CARLTON		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
LOBF9201		83	88	107	102	135	119	102	83	77	97	107	124	103	100	114	104	92	96				
LOBF9202		82	79	85	91	114	105	111	88	81	98	97	99	93	90	81	95	92	103				
S-93561		94	134	96	103	179	130	105	98	67	99	133	116	102	92	105	89	90	98				

CUTS	1		2		1		2		1		1		2		1		2	
	CV (%)		CV (%)		CV (%)		CV (%)		CV (%)		CV (%)		CV (%)		CV (%)		CV (%)	
FLEET	9.0	28.0	44.0	10.2	19.3	11.8	6.3	13.2	12.2	6.0	19.0	13.0	11.0	5.0	34.0	6.9	11.3	10.3
CARLTON (kg/ha)	3173	1193	181	4803	508	1949	8690	1678	2534	10554	3503	2696	11283	7164	490	17226	15363	10963
	3830	1443	388	4029	195	1280	8588	2355	2936	11433	4080	3872	11853	9493	974	18963	18144	10134

*** Please note trial CV over 20 % ***

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

Cultivar	Cultivar Mean Yield Summary(kg/ha)				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2001	2002	2001	2002	2000
FLEET	6,803	2,707	9,640	4,067	12,109
MB-A	5,926	2,581	9,020	3,581	12,236
CARLTON	6,149	2,781	10,030	5,706	11,676
LOBF9201	6,245	2,646	9,202	5,807	12,108
LOBF9202	5,273	2,407	7,853	6,037	13,224
S-93561	7,149	3,072	11,270	5,125	13,050

Trial Mean (kg/ha) 6,257 2,699 9,835 5,054 12,385

Meadow Bromegrass	Yield as % of FLEET					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2001	2002	2001	2002	2000	
FLEET	100	100	100	100	100	
MB-A	87	95	94	88	101	
Smooth Bromegrass	Yield as % of CARLTON					
	CARLTON	100	100	100	100	100
	LOBF9201	102	95	92	102	104
	LOBF9202	86	87	78	106	113
	S-93561	116	110	112	90	112

CUTS	1	1	1	1	2
CV(%)	11.2	17.5	10.7	18.4	10.7
FLEET	6803	2707	9640	4067	12109
CARLTON (kg/ha)	6149	2781	10030	5706	11676

Note : St. Pierre no data reported in 2001 or 2002

Summary WFT 2001 Bromegrass - Alberta

Cultivar	Cultivar Mean Yield Summary (kg/ha)		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
95MD-2	8,894	12,705	11,338
FLEET	9,192	12,291	11,458
AC ROCKET	9,383	16,531	12,158
CARLTON	8,708	14,947	11,847

Trial Mean (kg/ha) 9,044 14,118 11,700

Meadow Bromegrass	Yield as % of FLEET		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
95MD-2	97	103	99
FLEET	100	100	100
Smooth Bromegrass	Yield as % of CARLTON		
	AC ROCKET	108	111	103
CARLTON	100	100	100

CUTS 2 2 2
 CV(%) 11.2 6.5 6.2
 FLEET (kg/ha) 9191 12291 11458
 CARLTON (kg/ha) 8708 14947 11847

Summary WFT 2001 Meadow Bromegrass - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)		
	1	2	IRR
	SWIFT CURRE- NT	SASKA- TOON	OUTLO- OK*
	2002	2002	2002
Cultivar			
95MD-2	6,205	1,202	11,196
FLEET	6,725	1,129	10,555

Trial Mean (kg/ha) 6,465 1,165 10,876

	Yield as % of FLEET		
	1	2	IRR
	SWIFT CURRE- NT	SASKA- TOON	OUTLO- OK*
	2002	2002	2002
Cultivar			
95MD-2	92	106	106
FLEET	100	100	100

CUTS 2 2 2
 CV(%) 6.6 10.8 22.5
 FLEET (kg/ha) 6725 1129 10555

*** Please note trial CV over 20 % ***

Summary WFT 2001 Smooth Bromegrasss - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)		
	1	2	IRR
	SWIFT	SASKA-	OUTLO-
	CURRE- NT	TOON	OK
	2002	2002	2002
Cultivar			
AC ROCKET	6,970	1,558	13,348
CARLTON	6,972	1,472	13,721

Trial Mean (kg/ha) 6,937 1,515 13,535

	Yield as % of CARLTON		
	1	2	IRR
	SWIFT	SASKA-	OUTLO-
	CURRE- NT	TOON	OK
	2002	2002	2002
Cultivar			
AC ROCKET	100	106	97
CARLTON	100	100	100

CUTS 2 2 2
CV(%) 3.0 13.3 2.2
CARLTON (kg/ha) 6972 1472 13721

Summary WFT 2001 Meadow Bromegrass - Manitoba

	Cultivar Mean Yield Summary (kg/ha)	
	3	
	ARBORG	NEEPA-WA
	2002	2002
Cultivar		
95MD-2	10,349	2,635
FLEET	10,455	3,056

Trial Mean (kg/ha) 10,406 2,845

	Yield as % of FLEET	
	3	
	ARBORG	NEEPA-WA
	2002	2002
Cultivar		
95MD-2	99	86
FLEET	100	100

CUTS 2 1
 CV(%) 8.6 13.9
 FLEET (kg/ha) 10455 3056

Summary WFT 2001 Smooth Bromegrass - Manitoba

	Cultivar Mean Yield Summary (kg/ha)	
	3	
	ARBORG	NEEPA-WA
	2002	2002
Cultivar		
AC ROCKET	10,602	3,351
CARLTON	10,220	2,992

Trial Mean (kg/ha) 10,406 3,171

	Yield as % of CARLTON	
	3	
	ARBORG	NEEPA-WA
	2002	2002
Cultivar		
AC ROCKET	104	112
CARLTON	100	100

CUTS 2 1
 CV(%) 8.6 6.7
 CARLTON (kg/ha) 10220 2992

Summary WFT 2001 Tall Fescue - Alberta

	Cultivar Mean Yield Summary (kg/ha)		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
Cultivar COURTENAY	8,861	16,589	10,658
MAXIMIZE	6,308	13,636	9,020

Trial Mean (kg/ha) 7,584 15,112 9,839

	Yield as % of COURTENAY		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
Cultivar COURTENAY	100	100	100
MAXIMIZE	71	82	85

CUTS 2 2 2
 CV(%) 4.6 3.1 11.8
 COURTENAY (kg/ha) 8860 16589 10658

Summary WFT 2001 Tall Fescue - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)	
	1	IRR
	SWIFT CURRE-NT	OUTLO-OK
	2002	2002
	Cultivar COURTENAY	5,543	13,393
MAXIMIZE	3,231	8,900

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

	Yield as % of COURTENAY	
	1	IRR
	SWIFT CURRE-NT	OUTLO-OK
	2002	2002
	Cultivar COURTENAY	100
MAXIMIZE	58	66

CUTS 2 2
 CV(%) 2.6 18.4
 COURTENAY (kg/ha) 5543 13393

Note : Saskatoon no harvest data due to dry conditions

Summary WFT 2001 Tall Fescue - Manitoba

	Cultivar Mean Yield Summary (kg/ha)	
	3	
	ARBORG	NEEPA-WA
	2002	2002
Cultivar COURTENAY	10,551	3,299
MAXIMIZE	10,186	3,184

Trial Mean (kg/ha) 10,368 3,241

	Yield as % of COURTENAY	
	3	
	ARBORG	NEEPA-WA
	2002	2002
Cultivar COURTENAY	100	100
MAXIMIZE	97	97

CUTS 2 1
CV(%) 8.3 19.5
COURTENAY (kg/ha) 10551 3299

Summary WFT 1999 Timothy - Alberta

		Cultivar Mean Yield Summary (kg/ha)																																																		
		3				4				IRR																																										
2		LETHBRIDGE				LACOMBE				VEGREVILLE				FORT KENT				BOW ISLAND				BROOKS				LETHBRIDGE																										
2000		2000		2001		2002		2000		2001		2002		2000*		2001*		2000		2001		2002		2000		2001		2002		2000		2001		2002																		
Cultivar		3,253	11,413	6,922	4,381	6,905	2,263	7,772	3,221	14,541	6,173	4,816	10,214	11,308	8,090	9,664	2,743	3,596	3,020	10,166	5,234	3,555	6,162	2,997	4,759	4,426	10,338	4,687	4,609	7,468	8,219	6,037	9,195	3,260	4,120	3,486	9,301	5,832	3,989	5,663	2,571	4,087	3,737	11,117	5,756	5,382	7,280	8,802	6,445	9,841	3,087	4,012

Trial Mean (kg/ha) 3,253 10,815 6,076 3,941 6,493 2,518 5,215 3,601 12,768 5,918 5,022 8,770 9,965 7,053 9,566 3,030 3,909

		Yield as % of CLIMAX																																																			
		3				4				IRR																																											
2		LETHBRIDGE				LACOMBE				VEGREVILLE				FORT KENT				BOW ISLAND				BROOKS				LETHBRIDGE																											
2000		2000		2001		2002		2000		2001		2002		2000*		2001*		2000		2001		2002		2000		2001		2002		2000		2001		2002																			
Cultivar		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	93	89	76	81	89	132	61	137	71	76	96	73	73	75	95	119	115	107	81	84	91	82	114	53	116	76	93	112	71	78	80	102	113	112
CV(%)		16.9	16.0	6.0	14.1	6.4	10.4	20.4	22.1	6.5	7.8	10.8	5.5	11.8	13.4	13.2	18.6	6.9	3253	11413	6922	4381	6905	2263	7772	3221	14541	6173	4816	10214	11308	8089	9664	2742	3596																		

Note : Lethbridge (Area 2), Vegreville & Fort Kent discontinued.

* Please note trial CV over 20 % *

Summary WFT 1999 Timothy - Saskatchewan
(Nipawin seeded 2000)

Cultivar Mean Yield Summary (kg/ha)												
	1			2			3			4		
	SWIFT CURRENT			SASKATOON			CANORA			NIPAW- IN		
	2000	2001	2002*	2000	2001*	2000	2001	2002	2001	2000	2001	2002
Cultivar												
CLIMAX	5,972	1,462	2,058	6,297	318	10,290	3,679	2,134	5,586	13,526	17,268	4,786
GPTI8905	4,099	1,955	1,984	4,818	417	9,323	3,538	1,950	5,610	13,443	14,756	4,632
GPTI8906	4,255	1,808	1,510	4,668	378	10,017	3,715	1,826	4,476	13,383	14,392	5,187
Trial Mean (kg/ha)	4,776	1,742	1,851	5,261	371	9,876	3,644	1,970	5,224	13,450	15,472	4,868

	Yield as % of CLIMAX											
	1			2			3			4		
	SWIFT CURRENT			SASKATOON			CANORA			NIPAW- IN		
	2000	2001	2002*	2000	2001*	2000	2001	2002	2001	2000	2001	2002
Cultivar												
CLIMAX	100	100	100	100	100	100	100	100	100	100	100	100
GPTI8905	69	134	96	77	131	91	96	91	100	99	85	97
GPTI8906	71	124	73	74	119	97	101	86	80	99	83	108

CUTS	2	1	1	2	1	1	1	1	1	2	2	1
CV(%)	18.2	16.0	26.8	9.8	31.3	5.0	5.0	7.0	7.0	7.4	8.1	18.1
CLIMAX (kg/ha)	5972	1462	2058	6297	318	10290	3679	2134	5586	13526	17268	4786

Note : Saskatoon & Nipawin no 2002 harvest data due to dry conditions

* Please note trial CV over 20 % *

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	2001	2002	2001	2002
Cultivar					
BOR 72002	.	.	.	6,857	3,476
BOR 94301	.	.	.	6,849	3,500
CLIMAX	2,628	6,205	5,485	7,083	3,653
GPTI8905	2,775	6,457	5,543	7,273	3,698
GPTI8906	2,703	6,348	5,490	6,725	3,736
JOLIETTE	.	.	.	5,958	3,161

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

	Yield as % of CLIMAX				
	3				
	ARBORG	NEEPAWA		ST. PIERRE	
	2002	2001	2002	2001	2002
Cultivar					
BOR 72002	.	.	.	97	95
BOR 94301	.	.	.	97	96
CLIMAX	100	100	100	100	100
GPTI8905	106	104	101	103	101
GPTI8906	103	102	100	95	102
JOLIETTE	.	.	.	84	87

CUTS 1 1 1 1 1
 CV(%) 11.4 7.0 11.8 16.3 7.0
 CLIMAX (kg/ha) 2628 6205 5485 7083 3653

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	2001	2001	2002	2001	2001	2002	2001	2002
Cultivar										
AC OPAL	.	.	.	4,570	2,155	.	.	.	.	.
BOR 94372	8,829	5,206	4,941	5,948	2,820	9,026	8,942	9,112	4,926	5,841
BOR 94374	10,686	5,114	5,308	6,383	2,945	8,873	8,658	10,205	5,089	7,357
CLIMAX	9,204	4,794	5,493	5,162	2,635	11,269	10,295	9,812	5,261	8,313
GPTI8905	.	.	.	5,618	2,800	.	.	.	.	.
GPTI8906	.	.	.	5,812	3,210	.	.	.	.	.
MOTIM	8,386	4,448	4,661	5,082	2,209	8,560	7,189	8,378	3,892	7,391
PCQX-39	10,203	4,849	5,400	4,637	2,234	11,767	10,047	9,555	5,803	8,338
TIMPRO	10,213	4,605	4,734	5,506	2,145	8,208	8,327	9,229	4,711	5,760

Trial Mean (kg/ha) 9,587 4,836 5,090 5,413 2,613 9,617 8,910 9,382 4,947 7,167

	Yield as % of CLIMAX									
	3		4	5		IRR				
	LACOMBE		FORT KENT	FALHER		BOW ISLAND	BROOKS		LETHBRIDGE	
	2001	2002	2001	2001	2002	2001	2001	2002	2001	2002
Cultivar										
AC OPAL	.	.	.	89	82	.	.	.	.	.
BOR 94372	96	109	90	115	107	80	87	93	94	70
BOR 94374	116	107	97	124	112	79	84	104	97	88
CLIMAX	100	100	100	100	100	100	100	100	100	100
GPTI8905	.	.	.	109	106	.	.	.	.	.
GPTI8906	.	.	.	113	122	.	.	.	.	.
MOTIM	91	93	85	98	84	76	70	85	74	89
PCQX-39	111	101	98	90	85	104	98	97	110	100
TIMPRO	111	96	86	107	81	73	81	94	90	69

CUTS 3 2 2 1 1 2 2 2 2 2
CV(%) 11.6 13.3 12.4 16.7 14.0 16.4 10.4 11.0 8.8 5.5
CLIMAX (kg/ha) 9204 4793 5493 5162 2634 11269 10295 9811 5261 8313

Note : Fort Kent, Vegreville, High Prairie & 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*	2001	2002	2001	2002	2001	2002
Cultivar										
BOR 94372	2,585	3,424	2,214	971	4,529	3,611	5,116	2,367	11,104	5,483
BOR 94374	2,653	3,473	2,243	1,132	4,579	3,741	5,158	2,415	11,637	5,266
CLIMAX	2,735	3,283	1,693	1,153	4,636	3,437	4,443	2,053	11,946	6,979
MOTIM	1,906	2,593	1,157	800	5,159	3,569	5,354	1,810	11,844	5,641
PCQX-39	2,247	2,975	1,428	971	4,969	3,594	4,881	2,633	12,222	6,388
TIMPRO	1,936	2,798	1,433	813	4,104	3,357	5,633	2,191	11,686	6,928

Trial Mean (kg/ha) 2,344 3,091 1,694 973 4,663 3,551 5,098 2,245 11,739 6,114

	Yield as % of CLIMAX									
	1		2		3		4		IRR	
	SWIFT CURRENT		SASKATOON		CANORA		NIPAWIN		OUTLOOK	
	2001	2002	2001	2002*	2001	2002	2001	2002	2001	2002
Cultivar										
BOR 94372	95	104	131	84	98	105	115	115	93	79
BOR 94374	97	106	132	98	99	109	116	118	97	75
CLIMAX	100	100	100	100	100	100	100	100	100	100
MOTIM	70	79	68	69	111	104	121	88	99	81
PCQX-39	82	91	84	84	107	105	110	128	102	92
TIMPRO	71	85	85	71	89	98	127	107	98	99

CUTS 1 1 1 2 1 1 1 1 2 2
 CV(%) 17.1 9.7 . 25.4 12.0 11.0 11.0 16.0 8.4 16.0
 CLIMAX (kg/ha) 2735 3283 1693 1153 4636 3437 4443 2053 11946 6979

*** Please note trial CV over 20 % ***

Summary WFT 2000 Timothy - Manitoba

	Cultivar Mean Yield Summary (kg/ha)					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2001	2002	2001	2002	2001	2002
Cultivar						
BOR 94372	7,552	2,978	6,652	6,016	6,458	5,099
BOR 94374	8,515	2,817	7,551	5,313	6,108	5,090
CLIMAX	8,912	2,979	6,248	4,885	6,182	4,948
MOTIM	9,265	2,980	6,506	6,325	4,976	5,119
PCQX-39	7,520	2,987	5,798	5,999	5,638	4,741
TIMPRO	7,122	2,775	4,888	5,490	5,489	4,651

Trial Mean (kg/ha) 8,148 2,848 6,274 5,671 5,809 4,941

	Yield as % of CLIMAX					
	3					
	ARBORG		NEEPAWA		ST. PIERRE	
	2001	2002	2001	2002	2001	2002
Cultivar						
BOR 94372	85	100	106	123	104	103
BOR 94374	96	95	121	109	99	103
CLIMAX	100	100	100	100	100	100
MOTIM	104	100	104	129	80	103
PCQX-39	84	100	93	123	91	96
TIMPRO	80	93	78	112	89	94

CUTS 1 1 1 1 1 1

CV(%) 11.5 14.9 11.4 22.3 16.0 9.0

CLIMAX (kg/ha) 8912 2979 6248 4885 6182 4948

Summary WFT 2001 Timothy - Alberta

	Cultivar Mean Yield Summary (kg/ha)		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
Cultivar			
BARNEE	4,593	7,269	6,829
BARTIMO	5,625	7,569	7,122
CLIMAX	6,598	11,112	10,626
DOLINA	6,725	11,688	8,653
EXPRESS	7,213	10,888	9,564
LPHL 458	6,294	9,431	9,326
NIKLAS	5,471	7,613	7,474
TUNDRA	6,421	8,878	8,698

Trial Mean (kg/ha) 6,117 9,306 8,537

	Yield as % of CLIMAX		
	3	IRR	
	LACOM-BE	BROOKS	LETHB-RIDGE
	2002	2002	2002
Cultivar			
BARNEE	70	65	64
BARTIMO	85	68	67
CLIMAX	100	100	100
DOLINA	102	105	81
EXPRESS	109	98	90
LPHL 458	95	85	88
NIKLAS	83	69	70
TUNDRA	97	80	82

CUTS 2 2 2
CV (%) 11.6 9.7 10.6
CLIMAX (kg/ha) 6597 11112 10626

Summary WFT 2001 Timothy - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)		
	1	4	IRR
	SWIFT	NIPAW-	OUTLO-
	CURRE- NT	IN*	OK
	2002	2002	2002
Cultivar			
BARNEE	1,959	162	8,638
BARTIMO	3,003	262	8,643
CLIMAX	5,240	688	10,303
DOLINA	4,741	493	10,856
EXPRESS	5,808	620	10,577
LPHL 458	3,831	223	9,894
NIKLAS	2,954	244	8,415
TUNDRA	4,286	649	9,910

Trial Mean (kg/ha) 3,978 418 9,655

	Yield as % of CLIMAX		
	1	4	IRR
	SWIFT	NIPAW-	OUTLO-
	CURRE- NT	IN*	OK
	2002	2002	2002
Cultivar			
BARNEE	37	24	84
BARTIMO	57	38	84
CLIMAX	100	100	100
DOLINA	90	72	105
EXPRESS	111	90	103
LPHL 458	73	32	96
NIKLAS	56	35	82
TUNDRA	82	94	96

CUTS 2 1 2
 CV(%) 13.7 45.0 11.2
 CLIMAX (kg/ha) 5240 688 10303

Note : Saskatoon no harvest data 2002 due to dry conditions

*** Please note trial CV over 20 % ***

Summary WFT 1999 Crested Wheatgrass - Alberta

	Cultivar Mean Yield Summary (kg/ha)									
	1				2		4	IRR		
	BROOKS	OYEN			LETHBRIDGE		FORT KENT	LETHBRIDGE		
	2000	2000	2001	2002	2000*	2002	2000	2000	2001	2002
Cultivar										
DOUGLAS	4,396	3,525	1,350	1,718	3,012	5,884	2,364	9,940	4,926	6,973
KIRK	7,752	5,932	2,411	2,883	4,362	6,844	3,330	12,737	6,110	7,037
VAVILOV	4,967	5,231	2,325	2,893	3,512	6,529	2,772	11,201	5,633	7,248

Trial Mean (kg/ha) 5,705 4,896 2,090 2,498 3,629 6,419 3,088 11,293 5,556 7,086

	Yield as % of KIRK									
	1				2		4	IRR		
	BROOKS	OYEN			LETHBRIDGE		FORT KENT	LETHBRIDGE		
	2000	2000	2001	2002	2000*	2002	2000	2000	2001	2002
Cultivar										
DOUGLAS	57	59	56	60	69	86	71	78	81	99
KIRK	100	100	100	100	100	100	100	100	100	100
VAVILOV	64	88	96	100	81	95	83	88	92	103

CUTS 1 1 1 1 1 1 1 2 2 1
 CV(%) 14.0 12.3 12.2 8.6 31.4 6.0 9.7 11.8 13.4 8.5
 KIRK (kg/ha) 7751 5931 2411 2882 4362 6844 3330 12737 6109 7037

Note : Brooks (Area 1) & Fort Kent discontinued. Lethbridge (Area 2) no 2001 harvest data
 Due to dry conditions.

*** Please note trial CV over 20 % ***

Summary WFT 1999 Crested Wheatgrass - Saskatchewan

		Cultivar Mean Yield Summary (kg/ha)																					
		1				2				3				4				IRR					
		NETHERHILL				SWIFT CURRENT				SASKATOON				CANORA				NIPAWIN				OUTLOOK	
		2000	2001*	2002	2000	2001	2002	2000	2001	2002*	2000	2001	2002*	2000	2001	2002*	2000	2001	2002				
Cultivar																							
DOUGLAS		1,494	1,724	597	2,980	87	1,072	7,375	1,315	732	7,406	6,816	4,374	562	14,594	13,198	6,608						
KIRK		3,553	2,838	1,080	3,982	547	1,934	10,489	2,582	2,278	9,624	12,237	8,466	1,074	20,163	16,652	10,680						
VAVILOV		2,429	2,802	920	3,956	507	1,824	8,782	2,125	1,884	7,175	7,949	5,391	665	15,421	16,030	9,791						
Trial Mean (kg/ha)		2,492	2,455	866	3,639	380	1,610	8,882	2,007	1,631	8,068	9,001	6,077	767	16,726	15,293	9,026						

		Yield as % of KIRK																					
		1				2				3				4				IRR					
		NETHERHILL				SWIFT CURRENT				SASKATOON				CANORA				NIPAWIN				OUTLOOK	
		2000	2001*	2002	2000	2001	2002	2000	2001	2002*	2000	2001	2002*	2000	2001	2002*	2000	2001	2002				
Cultivar																							
DOUGLAS		42	61	55	75	16	55	70	51	32	77	56	52	52	72	72	79						
KIRK		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100						
VAVILOV		68	99	85	99	93	94	84	82	83	75	65	64	62	76	96	92						

CUTS 1 1 1 2 1 2 2 1 2 1 1 2 1 2 1 2 1 1 2 2
 CV(%) 13.0 24.0 46.0 11.9 16.7 15.4 9.3 9.2 23.3 5.0 17.0 10.0 23.0 6.6 7.3 16.8
 KIRK (kg/ha) 3553 2838 1080 3982 547 1934 10489 2582 2278 9624 12237 8466 1074 20163 16652 10680

Note : Canora discontinued

* Please note trial CV over 20 % *

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

	Cultivar Mean Yield Summary(kg/ha)				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2001	2002	2001	2002	2000
Cultivar					
AC GOLIATH	.	.	.	.	10,188
CD II	.	.	.	.	9,895
DOUGLAS	6,768	2,152	3,498	3,221	6,917
KIRK	8,244	2,734	6,353	7,303	9,073
VAVILOV	7,349	3,042	5,984	5,481	7,254

Trial Mean (kg/ha) 7,453 2,643 5,278 5,335 8,666

	Yield as % of KIRK				
	3				
	ARBORG		NEEPAWA		ST. PIERRE
	2001	2002	2001	2002	2000
Cultivar					
AC GOLIATH	.	.	.	.	112
CD II	.	.	.	.	109
DOUGLAS	82	79	55	44	76
KIRK	100	100	100	100	100
VAVILOV	89	111	94	75	80

CUTS 1 1 1 1 2
 CV(%) 12.8 11.7 14.9 17.2 12.6
 KIRK (kg/ha) 8244 2734 6353 7303 9073

Note : St. Pierre discontinued

Summary WFT 2000 Dormant Seeding - Alberta

	Cultivar Mean Yield Summary (kg/ha)						
	3			IRR			
	LACOMBE		VEGRE-VILLE	BOW ISLAND		BROOKS	
	2001	2002*	2001	2001*	2002	2001*	2002
Cultivar							
ADVANCE	11,500	7,597	3,911	10,936	10,261	11,679	8,901
AJAX	9,039	4,754	2,979	9,370	7,439	14,318	6,842
AUBADE	8,849	5,006	3,492	9,531	7,824	10,448	6,910
CALIBRA	7,595	2,625	3,139	6,635	3,247	11,102	5,278
LOFA	8,151	5,713	2,431	11,375	5,961	12,297	6,856
NORLEA	4,951	1,476	2,435	3,942	1,648	9,896	4,878
PERUN	7,994	5,303	2,749	9,427	5,975	13,285	6,633
SIKEM	9,684	4,873	2,937	11,585	6,747	12,058	7,363
Trial Mean (kg/ha)	8,470	4,668	3,009	9,100	6,138	11,885	6,708

	Yield as % of AUBADE						
	3			IRR			
	LACOMBE		VEGRE-VILLE	BOW ISLAND		BROOKS	
	2001	2002*	2001	2001*	2002	2001*	2002
Cultivar							
ADVANCE	130	152	112	115	131	112	129
AJAX	102	95	85	98	95	137	99
AUBADE	100	100	100	100	100	100	100
CALIBRA	86	52	90	70	42	106	76
LOFA	92	114	70	119	76	118	99
NORLEA	56	29	70	41	21	95	71
PERUN	90	106	79	99	76	127	96
SIKEM	109	97	84	122	86	115	107
CUTS	3	3	1	2	2	2	2
CV (%)	8.7	20.1	16.2	20.2	13.5	21.7	11.8
AUBADE (kg/ha)	8849	5006	3492	9531	7823	10448	6910

Note : Vegreville poor emergence in 2002 due to dry conditions

* Please note trial CV over 20 % *

Summary WFT 2000 Dormant Seeding - Saskatchewan

	Cultivar Mean Yield Summary (kg/ha)		
	1	4	IRR
	SWIFT	NIPAW-	OUTLO-
	CURRE- NT*	IN*	OK
	2002	2001	2001
Cultivar			
ADVANCE	3,171	4,997	6,287
AJAX	4,605	3,025	5,266
AUBADE	1,845	3,289	4,582
CALIBRA	3,072	1,377	3,929
LOFA	2,324	2,593	5,673
NORLEA	222	1,742	2,651
PERUN	3,724	2,512	6,908
SIKEM	1,619	2,671	5,062

Trial Mean (kg/ha) 2,692 2,776 5,045

	Yield as % of AUBADE		
	1	4	IRR
	SWIFT	NIPAW-	OUTLO-
	CURRE- NT*	IN*	OK
	2002	2001	2001
Cultivar			
ADVANCE	172	152	137
AJAX	250	92	115
AUBADE	100	100	100
CALIBRA	167	42	86
LOFA	126	79	124
NORLEA	12	53	58
PERUN	202	76	151
SIKEM	88	81	110

CUTS 1 1 2
CV(%) 32.4 26.0 19.3
AUBADE (kg/ha) 1845 3289 4582

Note : Poor emergence in 2002 due to dry conditions

*** Please note trial CV over 20 % ***

Appendix 1

Alberta Weather Data

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Seasonal Mean or Total
Balher AAF - Area 5														
<i>(Approx. High Prairie site)</i>														
Mean Monthly Temp. (C)	2002	-14.2	-6.7	-14.5	-1.3	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	11.7	9.8	3.8	1.9
	2000	-14.9	-9.8	-2.5	3.6	7.5	13.8	16.3	13.4	9.8	3.8	-3.4	-5.5	3.4
	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	-16.6	-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)														
	2002	21.0	6.0	20.8	30.3	18.3	95.1	93.1	32.7	83.8	18.0	32.2	16.6	547.2
	2001	8.2	12.3	19.4	31.8	60.1	95.1	93.6	31.2	14.5	20.3	12.2	16.6	547.2
	2000	11.2	14.6	16.4	12.6	123.4	63.8	103.6	109.2	43.3	20.3	18.0	23.2	315.0
	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	24.7	40.4	70.3	76.4	58.5	36.6	26.5	27.9	29.6	471.4
Bow Island - Area 1 & Jr														
Mean Monthly Temp. (C)	2002	-5.6	-2.9	-12.1	2.5	9.3	16.1	20.4	15.7	12.4	6.1	-3.4	-10.9	5.4
	2001	-4.0	-12.3	1.7	6.1	13.7	15.7	20.1	21.1	15.5	7.0	-3.4	-10.9	5.4
	2000	-9.0	-5.9	1.7	5.9	11.9	15.4	20.6	18.9	13.0	7.0	4.5	0.2	7.9
	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	-10.6	-6.3	-1.1	5.7	11.6	17.8	19.0	18.6	13.0	7.6	-1.0	-7.9	5.8
Mean Monthly Precip. (mm)														
	2002	3.3	1.6	17.6	17.6	41.9	176.4	33.0	67.4	67.4	12.6	12.8	19.0	329.6
	2001	4.1	0.9	6.1	13.2	11.8	80.8	15.0	1.2	1.2	12.6	12.8	19.0	329.6
	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	18.6	11.3	12.8	35.6	43.8	71.0	35.4	41.4	40.1	12.3	12.8	19.0	329.6

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Seasonal Mean or Total
Brooks CDC South - Area 1 & Irrigation														
Mean Monthly Temp. (C)	2002	-7.5	-3.3	-13.2	2.3	9.4	16.2	19.8	15.9	11.9	5.2	1.6	-9.3	5.8
	2001	-3.7	-13.4	1.2	5.5	13.0	15.4	19.8	20.0	14.3	6.3	-5.0	-11.8	4.4
	2000	-11.3	-8.1	0.9	5.5	11.3	15.0	20.2	18.3	11.8	6.8	2.6	-1.4	6.1
	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	-12.5	-8.2	-2.0	5.7	11.5	15.9	18.5	17.8	12.0	6.4	-3.7	-10.2	4.1
Mean Monthly Precip. (mm)	2002	5.1	0.0	11.1	5.6	9.2	111.6	23.2	53.4	54.2	8.9	15.5	3.6	156.2
	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	18.4	11.6	21.4	24.8	41.7	57.6	39.0	37.9	34.3	16.0	15.0	18.0	340.9
Cold Lake - Area 4														
approx. Fort Kent site														
Mean Monthly Temp. (C)	2002	-15.7	-7.9	-13.2	-2.2	8.7	16.8	18.4	15.8	9.6	2.7	-2.7	-13.5	1.7
	2001	-6.3	-14.3	-2.3	4.6	11.2	14.0	17.9	18.0	12.1	4.8	-5.5	-18.5	3.2
	2000	-16.1	-10.3	-3.1	3.5	9.2	13.4	17.6	15.0	9.8	4.6	-2.5	-7.7	3.2
	1999	-16.5	-9.6	-2.9	5.3	9.6	14.2	15.9	17.4	10.2	4.6	-2.5	-7.7	3.2
	30 yr	-17.3	-13.3	-5.3	4.1	10.6	14.8	16.9	15.8	10.0	4.3	-6.8	-15.1	1.4
Mean Monthly Precip. (mm)	2002	11.4	6.7	16.1	49.1	8.0	24.3	56.4	30.8	18.7	10.5	18.1	8.4	377.9
	2001	4.2	6.2	8.2	6.6	52.0	74.5	123.7	10.6	35.4	10.5	18.1	8.4	377.9
	2000	7.8	3.8	20.6	10.6	43.0	39.5	107.8	52.4	61.2	6.6	15.8	8.8	322.4
	1999	30.1	18.6	5.0	33.1	33.7	34.8	45.2	76.2	14.1	4.6	7.7	19.3	322.4
	30 yr	19.4	13.7	15.7	27.7	44.1	76.5	80.8	71.7	41.2	15.8	19.1	21.9	431.7

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Esther - Area 1														
approx. Oyen site														
Mean Monthly Temp. (C)														
2002	-10.2	-6.0	-1.4	0.5	9.3	16.6	19.8	16.0	11.3	3.5	-0.6	-11.3		
2001	-6.4	-15.0	-1.4	4.7	11.9	14.4	19.0	20.0	14.1	3.5	-0.6	-11.3		
2000	-14.7	-10.3	-2.1	4.6	10.4	14.3	19.7	17.4	11.4	5.5	-5.8	-15.7	2.9	
1999	-14.1	-6.1	-2.9	5.7	9.6	14.2	16.0	17.8	10.4	5.9	0.2	-3.6	4.4	
30 yr	-15.2	-12.2	-3.5	5.0	11.1	15.2	18.4	18.5	11.9	4.7	-5.5	-12.5	2.6	
Mean Monthly Precip. (mm)														
2002	0.8	2.6	14.2	5.0	3.4	78.9	46.2	42.2	41.2	5.4	3.0	15.0	320.3	
2001	4.6	0.0	3.0	4.8	13.4	56.8	54.8	6.6	11.4	5.4	3.0	0.8		
2000	3.4	0.2	4.4	9.6	15.4	35.0	24.0	38.6	35.4	1.0	3.0	0.8		
1999	6.4	0.8	0.8	77.4	61.4	63.2	106.2	40.4	0.4	2.4	2.6	0.8		
30 yr	14.8	10.5	14.2	19.0	51.1	78.4	59.3	34.2	28.8	13.6	13.2	15.0		
Lacombe AAFIC - Area 3														
Mean Monthly Temp. (C)														
2002	-10.3	-6.2	-13.7	-1.0	7.6	15.3	17.3	13.7	9.1	2.9	-2.0	-11.7		
2001	-4.2	12.0	-1.2	4.0	10.6	12.7	15.8	16.3	11.5	2.9	-2.0	-11.7		
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	-13.5	-9.9	-3.8	4.3	10.1	13.8	15.8	14.8	9.8	4.8	-5.0	-11.7	2.4	
Mean Monthly Precip. (mm)														
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		
2001	2.7	6.7	12.8	5.6	42.4	83.6	121.8	13.6	12.8	7.7	15.1	3.7		
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	18.5	14.2	13.4	23.5	61.5	83.3	94.3	71.4	45.6	16.8	13.9	16.3	437.7	

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Lethbridge - Area 2 & Irr.														
Mean Monthly Temp. (C)	2002 -4.2	2002 -1.1	2002 -11.2	2002 1.9	2002 8.4	2002 15.4	2002 19.4	2002 15.1	2002 12.0	2002 7.6	2002 1.9	2002 -5.8	2002 5.4	
	2001 -1.9	2001 -9.9	2001 2.0	2001 4.9	2001 12.8	2001 14.7	2001 18.6	2001 19.9	2001 14.6	2001 7.6	2001 -2.1	2001 -9.4	2001 5.4	
	2000 -9.4	2000 -5.2	2000 1.6	2000 5.8	2000 10.9	2000 14.8	2000 19.1	2000 17.9	2000 12.7	2000 7.4	2000 3.3	2000 1.1	2000 6.7	
	1999 -6.0	1999 0.6	1999 1.0	1999 5.1	1999 9.5	1999 13.4	1999 15.5	1999 18.0	1999 11.7	1999 7.4	1999 3.3	1999 1.1	1999 6.7	
	30 yr -8.4	30 yr -4.9	30 yr -0.4	30 yr 6.0	30 yr 11.2	30 yr 15.4	30 yr 18.1	30 yr 17.7	30 yr 12.6	30 yr 7.5	30 yr -1.3	30 yr -6.7	30 yr 5.6	
Mean Monthly Precip. (mm)	2002 4.8	2002 21.4	2002 34.3	2002 29.6	2002 38.6	2002 253.1	2002 33.6	2002 42.6	2002 56.2	2002 3.0	2002 7.6	2002 1.4	2002 290.9	
	2001 6.0	2001 -	2001 12.2	2001 47.1	2001 12.5	2001 53.1	2001 11.2	2001 0.0	2001 6.6	2001 3.0	2001 5.0	2001 2.0	2001 397.2	
	2000 8.0	2000 22.0	2000 25.5	2000 30.5	2000 14.0	2000 29.5	2000 10.5	2000 14.0	2000 44.0	2000 18.5	2000 6.0	2000 2.0	2000 290.9	
	1999 9.5	1999 1.6	1999 7.2	1999 25.0	1999 32.6	1999 61.0	1999 72.5	1999 38.5	1999 16.5	1999 18.5	1999 6.0	1999 2.0	1999 290.9	
	30 yr 20.3	30 yr 12.9	30 yr 27.5	30 yr 31.0	30 yr 55.7	30 yr 70.5	30 yr 46.0	30 yr 45.5	30 yr 40.6	30 yr 15.9	30 yr 16.2	30 yr 20.1	30 yr 397.2	
Vegreville - Area 3														
Mean Monthly Temp. (C)	2002 -12.1	2002 -6.8	2002 -10.9	2002 -0.2	2002 9.7	2002 16.0	2002 18.1	2002 14.6	2002 9.1	2002 3.8	2002 -1.3	2002 -8.5	2002 1.4	
	2001 -6.6	2001 -14.7	2001 -2.1	2001 4.0	2001 10.9	2001 13.2	2001 16.5	2001 16.5	2001 10.9	2001 3.8	2001 -6.0	2001 -5.9	2001 1.4	
	2000 -15.2	2000 -11.0	2000 -4.3	2000 3.5	2000 8.8	2000 13.0	2000 17.1	2000 14.9	2000 10.1	2000 4.3	2000 -3.4	2000 -5.9	2000 1.4	
	1999 -15.8	1999 -10.4	1999 -4.8	1999 5.3	1999 8.9	1999 13.4	1999 14.8	1999 16.3	1999 10.1	1999 4.1	1999 -6.6	1999 -14.3	1999 1.4	
	30 yr -16.4	30 yr -12.8	30 yr -4.8	30 yr 4.4	30 yr 10.5	30 yr 14.5	30 yr 16.2	30 yr 15.3	30 yr 10.0	30 yr 4.1	30 yr -6.6	30 yr -14.3	30 yr 1.4	
Mean Monthly Precip. (mm)	2002 0.0	2002 1.0	2002 5.3	2002 0.7	2002 3.0	2002 13.0	2002 7.2	2002 32.4	2002 17.8	2002 0.9	2002 17.1	2002 1.0	2002 402.5	
	2001 7.5	2001 3.7	2001 5.3	2001 0.7	2001 3.0	2001 73.2	2001 96.0	2001 9.0	2001 12.6	2001 0.9	2001 4.1	2001 7.6	2001 402.5	
	2000 4.1	2000 4.7	2000 5.3	2000 17.1	2000 40.6	2000 66.0	2000 105.6	2000 43.0	2000 7.0	2000 7.4	2000 19.2	2000 7.6	2000 402.5	
	1999 20.9	1999 2.2	1999 14.1	1999 23.2	1999 37.3	1999 16.8	1999 71.8	1999 68.0	1999 41.1	1999 14.8	1999 14.5	1999 17.6	1999 402.5	
	30 yr 16.6	30 yr 12.3	30 yr 14.1	30 yr 15.9	30 yr 38.3	30 yr 72.9	30 yr 83.2	30 yr 61.3	30 yr 41.1	30 yr 14.8	30 yr 14.5	30 yr 17.6	30 yr 402.5	

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

Appendix 2

Saskatchewan Weather Data

Seasonal Mean
or Total

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Kindersley (Netherhill)													
Mean Monthly Temperature (C)	2002 -11.1	-7.2	-14.6	-0.1	8.5	16.7	20.1	15.6	11.5	0.1	-0.8	-11.9	4.0
	2001 -8.7	-16.8	-2.6	-5.9	4.4	14.7	19.0	20.1	14.3	2.9	-0.8	-17.0	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
	1999 -14.9	-7.2	-3.5	5.4	9.9	14.6	16.1	18.2	10.5	5.2	1.1	-5.3	4.2
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)													
	2002 1.8	4.4	11.0	11.8	10.6	66.8	85.0	64.2	46.0	36.2	6.8	3.6	337.8
	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
	1999 20.5	2.2	31.4	48.8	86.8	76.0	90.2	25.1	0.6	4.5	4.1	18.5	408.7
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)	2002 -16.3	-10.8	-15.1	-2.3	6.6	16.8	20.2	16.9	11.3	-1.1	-2.3	-14.5	2.6
	2001 -10.9	-18.5	-5.9	-8.3	3.6	14.0	18.5	18.7	13.2	2.3	-2.3	-23.3	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
	1999 -18.5	-13.6	-5.6	5.9	10.4	14.7	16.6	17.2	10.3	3.1	-2.6	-10.1	2.3
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)													
	2002 9.0	9.6	12.2	28.6	7.0	75.6	18.6	69.8	63.0	26.8	8.4	12.2	320.2
	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
	1999 16.2	7.6	2.0	49.6	33.0	75.2	115.4	47.8	13.6	26.4	28.6	25	440.4
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

		Seasonal Mean or Total												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Outlook (PFRA)														
Mean Monthly Temperature (C)	2002	-11.1	-5.5	-11.9	-0.8	9.8	17.3	20.4	17.2	12.2	1.0	0.3	10.4	5.1
	2001	-7.2	-15.5	-1.6	-4.8	5.8	15.2	19.7	19.8	14.7	3.9	0.3	-17.0	4.3
	2000	-14.2	-9.1	-0.2	4.8	11.8	14.4	19.2	17.9	12.7	5.7	5.2	-17.0	4.8
	1999	-14.5	-6.1	-2.1	6.8	10.6	15.1	16.9	18.3	11.1	2.1	2.7	-3.3	4.8
	30yr. Norm	-15.5	-11.8	-5.3	4.6	11.8	16.6	19.0	18.0	12.0	5.9	-4.5	-12.7	3.2
Total Monthly Precipitation (mm)														
	2002	0.6	0.0	2.8	9.6	14.0	55.6	22.8	54.4	39.2	0.0	0.0	0.0	199.0
	2002 Irrig	0.0	0.0	0.0	0.0	55.0	75.0	200.0	75.0	25.0	0.0	0.0	0.0	430.0
	2001	1.0	7.1	6.6	8.7	24.2	27.9	99.2	2.4	13.4	27.6	3.4	6.8	228.3
	2001 Irrig	0.0	0.0	0.0	0.0	30.0	75.0	145.0	100.0	75.0	0.0	0.0	0.0	425.0
	2000	29.3	7.9	12.7	33	15.4	50.8	82.2	49.5	34.6	6.1	56.2	31.4	409.1
	2000 Irrig	0.0	0	0	0	15	50	75	0	25	0.0	0.0	0.0	165.0
	1999	3.6	4.0	4.4	12.0	61.4	63.2	91.2	37.8	11.6	2.4	3.8	10.2	305.6
	1999 Irrig	0.0	0.0	0.0	0.0	0.0	15.0	15.0	50.0	25.0	0.0	0.0	0.0	105.0
	30yr. Norm	14.8	13.0	17.9	17.9	39.3	60.4	54.5	34.2	28.6	13.6	12.8	16.4	323.4
Saskatoon (Kernen)														
Mean Monthly Temperature (C)	2002	-13.2	-8.7	-14.1	-0.8	8.3	17.2	20.3	16.4	11.8	-0.4	-0.7	-13.2	3.7
	2001	-9.4	-17.6	-3.4	4.2	11.8	15.1	19.4	19.8	13.5	2.1	-0.7	-19.6	3.5
	2000	-17.3	-11.2	-2.0	3.2	9.9	14.0	18.3	16.4	11.5	4.4	-6.8	-19.6	1.7
	1999	-17.5	-9.3	-4.1	5.9	10.1	13.9	16.1	17.5	9.9	3.9	-1.5	-7.6	3.1
	30yr. Norm	-17.5	-13.9	-7.0	3.9	11.5	16.2	18.6	17.4	11.2	4.8	-6.0	-14.7	2.0
Total Monthly Precipitation (mm)														
	2002	3.1	8.0	11.5	17.9	2.0	56.5	65.5	76.0	28.0	28.7	2.5	13.8	297.2
	2001	0.2	0.0	0.0	0.0	26.4	35.6	53.6	11.4	11.2	0.0	0.2	2.4	154.7
	2000	0.2	6.2	13.6	26.6	15.2	53.2	74.2	37.8	19.2	0.8	0.2	2.4	249.6
	1999	1.8	0.1	1.8	16.8	54.8	48.8	93.6	32.2	12.2	4.2	1.8	0.2	268.3
	30yr. Norm	15.9	12.9	16.0	19.7	44.2	63.4	58.0	36.8	32.1	16.9	14.1	17.2	347.2

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Seasonal Mean or Total
Swift Current (CDA)														
Mean Monthly Temperature (C)	2002	-8.7	-4.8	-14.2	-0.4	8.3	15.8	19.7	15.2	12.2	0.4	2.2	-8.6	4.4
	2001	-5.2	-13.9	-0.9	-3.9	5.1	15.2	19.4	20.8	15.1	4.2	2.2	-8.6	4.1
	2000	-11.5	-8.0	-0.9	4.6	11.1	13.4	19.2	18.1	12.4	6.3	5.1	-14.2	4.6
	1999	-12.4	-4.9	-1.8	5.6	9.9	14.2	16.4	18.9	10.1	2.1	4.0	-3.2	4.9
	30yr. Norm	-12.8	-9.6	-3.9	4.5	11.0	15.7	18.4	17.9	11.7	5.9	-3.7	-10.6	3.7
Total Monthly Precipitation (mm)														
	2002	8.0	7.0	22.5	15.0	15.8	132.9	59.0	122.7	47.5	50.2	2.0	6.5	480.6
	2001	6.5	6.5	3.0	81.6	6.1	25.0	70.5	4.5	4.5	20.7	2.0	6.5	237.4
	2000	10.9	17.2	16.1	26.3	21.6	72.2	98	23	43.7	34.0	81.7	19.0	463.7
	1999	21.5	6.5	14.5	25.5	93.9	86.4	60.3	16.8	12.0	8.8	5.6	18	369.8
	30yr. Norm	15.3	13.6	17.5	21.8	42.1	66.1	44.0	35.4	30.9	15.4	12.0	16.2	330.3
Yorkton (Canora)														
Mean Monthly Temperature (C)	2002	-13.7	-9.5	-14.9	-0.8	6.9	16.6	19.4	16.2	11.8	-1.2	0.1	-11.7	3.1
	2001	-10.2	-18.4	-6.9	-8.2	2.9	14.6	18.6	19.2	12.9	2.6	0.1	-11.7	1.3
	2000	-16.7	-9.7	-1.3	3.2	10.3	13.1	18.5	17.3	11.2	5.2	3.1	-21.9	2.7
	1999	-17.9	-10.3	-5.2	6.1	10.4	14.4	17.2	17.1	10.0	3.6	0.2	-7.0	3.2
	30yr. Norm	-18.4	-15.0	-8.2	2.7	10.6	15.8	18.2	16.9	10.8	4.6	-6.0	-15.3	1.4
Total Monthly Precipitation (mm)														
	2002	9.6	1.6	13.8	18.4	14.4	103.0	33.0	109.0	34.0	19.3	9.0	16.0	356.1
	2001	2.2	12.4	6.6	122.0	19.2	35.2	33.0	13.6	48.4	20.8	9.0	16.0	338.4
	2000	15.4	0.4	6	23.4	29.4	93	59.2	47	54.2	5.0	98.2	30.4	461.6
	1999	14.8	13.4	6.8	16.0	122.0	68.8	53.8	88.0	43.8	37.2	12.8	9.8	487.2
	30yr. Norm	21.3	16.3	24.9	22.3	49.2	71.9	66.3	55.6	47.7	24.5	17.8	21.0	438.8

Note: values in italics are estimates

ALSO OF NOTE : Data for the month of January is based on only 27 days of obtainable weather data. No data was available for Jan. 25-28, 2002 for Saskatoon, Swift Current, Yorkton, Nipawin and Kindersley.

**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.**

Send applications for entries, seed and fees to:

**Arvid Aasen
Alberta Agriculture
6000 C & E Trail
Lacombe, AB T4L 1W1**

**Phone: (403) 782-8027
Fax: (403) 782-6120
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