

ONTARIO FORAGE CROP INVESTIGATIONS



1997 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

- Huron Park
- Guelph
- Kemptville
- New Liskeard
- Thunder Bay
- Kapuskasing

1997 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

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Agriculture and Agri-Food Canada
Experimental Farm
Box 160
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Conducted co-operatively by:

The Ontario Ministry of Agriculture, Food and Rural Affairs; the Crop Science Department, University of Guelph; and Agriculture and Agri-Food Canada.

This is the 1997 Ontario Forage Crop Investigations Report. The information contained here was published as submitted by the crop coordinators. Names and addresses of each crop coordinator are provided to facilitate further inquiries if such a need arises.

Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation. Therefore, publication of any data or statements herein should not be made without prior written approval of the organization and personnel concerned.

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Additional copies of this report is obtainable from the Secretary (Mr. Jim Johnston).

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ONTARIO
 Kapuskasing
 Alfalfa Registration A
 Expt. 6315
 Seeded 1993

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
PS 93-17	1312	3995	2365	6360
PS 93-11	1311	3956	2322	6278
2J08	1306	3978	2298	6276
2J01	1285	3932	2290	6222
CENTURION	9053	3884	2323	6207
CW-1404	1319	3905	2290	6195
91315	1279	3756	2411	6167
91211	1278	3960	2169	6129
CW-1312	1318	3841	2266	6107
SARANAC	1001	3849	2224	6073
PS 93-15	1315	3784	2234	6018
ARROW	1074	3720	2268	5988
PS 92-2ML	1313	3840	2113	5953
4J19	1287	3734	2213	5947
92809	1305	3778	2082	5860
120	9002	3677	2135	5812
91795	1303	3695	2073	5768
91800	1280	3573	2156	5729
ABI 9138C	1284	3648	2080	5728
91-12	1322	3661	2048	5709
MEAN	900	3808	2218	6026
CV	901	6.1	9.1	6.1
MCV	905	8.6	12.8	8.7
LSD	902	327	285	524
LSR	906	77.5	78.5	80.5
PR>F (TRTS)	907	ns	ns	ns
RCBD arrangement, 4 blocks				

ONTARIO
 Huron Research Station
 Alfalfa Registration A
 Expt. 1165
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	4379	537	4916
1074	ARROW	4431	753	5183
1302	PREMIER_PLUS	3796	493	4289
1303	91795	4386	381	4767
1318	329	4420	516	4936
1320	CW-1434	4036	495	4531
1322	WL_252HQ	5180	642	5822
1331	DK127	4416	497	4913
1332	FG2B08	4893	731	5625
1333	RAINIER	4758	552	5310
1335	FG3B21	4873	636	5508
1343	PS94-02	4372	525	4897
1346	PS94-04	4672	606	5277
1354	STERLING	4304	557	4861
1355	GH767	4534	576	5110
1357	CW_1436	4489	643	5132
1358	BIG_HORN	5795	658	6453
1359	CW_2043	4667	578	5246
1365	RUSHMORE	5518	768	6286
9002	120	4150	448	4598
9053	CENTURION	5142	578	5720
900	MEAN	4535	551	5086
901	CV	10.8	29.0	11.9
905	MCV	12.8	34.6	14.2
902	LSD	580.5	190.6	720.7
906	LSR	10.0	24.8	11.2
907	PR>F (TRTS)	0.0003	0.2274	0.0030

ONTARIO
 New Liskeard
 Alfalfa Registration A
 Expt. 9402
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	5455	3426	8881
1074	ARROW	5621	3200	8821
1302	PREMIER_PLUS	5184	3021	8206
1303	91795	4902	3293	8195
1318	329	5375	3104	8479
1320	CW-1434	5475	3432	8907
1322	WL_252HQ	5604	3238	8842
1331	DK127	5511	3483	8994
1332	FG2B08	5484	3123	8608
1333	RAINIER	5387	3268	8654
1335	FG3B21	5342	3440	8782
1343	PS94-02	5707	3451	9158
1345	PS94-04	5632	3228	8860
1346	PS94-05	5681	3347	9028
1354	STERLING	5237	3137	8374
1355	GH767	5484	3441	8925
1357	CW_1436	5487	3459	8946
1358	BIG_HORN	5715	3601	9316
1359	CW_2043	5865	3414	9278
1365	RUSHMORE	5907	3522	9429
9002	120	5367	2987	8354
9053	CENTURION	5566	3302	8868
900	MEAN	5499	3314	8814
901	CV	5.3	7.9	5.2
905	MCV	6.2	9.3	6.2
902	LSD	343.0	308.3	544.1
906	LSR	34.1	50.2	44.1
907	PR>F(TRTS)	0.0038	0.0613	0.0091

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Alfalfa Registration B
 Expt. 9403
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	5602	3229	8831
1074	ARROW	6080	3277	9357
1330	EVOLUTION	5572	3370	8941
1342	PS94-01	5835	3249	9084
1348	MULTI-GEM	4880	3080	7960
1349	PSC_10939	5531	3286	8817
1350	PSC_10238	5282	3114	8396
1351	PSC_10235	5406	3197	8603
1352	90-119	5926	3470	9396
1360	MAGNUM_III-W	5607	3295	8903
1361	DS_9410	5595	3465	9059
1362	MAGNAGRAZE	5576	3495	9071
1363	91W04PR1	5760	3350	9110
1366	GREEN_FIELD	5458	3284	8742
1367	616	5146	3315	8461
1368	UGG510	5284	3662	8946
1369	UGG520	5622	3341	8963
1370	UGG530	5198	3418	8616
1371	E871	5928	3572	9500
1374	WINTERGREEN	5168	3583	8752
9002	120	5507	3204	8711
9053	CENTURION	5601	3247	8847
900	MEAN	5522	3345	8866
901	CV	8.2	6.2	5.5
905	MCV	9.6	7.3	6.6
902	LSD	531.9	245.0	581.2
906	LSR	44.3	42.1	37.7
907	PR>F (TRTS)	0.0641	0.0074	0.0191

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Alfalfa Registration C
 Expt. 9404
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	4338	4159	8497
1074	ARROW	4327	4457	8784
1305	92809	4436	3986	8422
1306	PROOF	4412	4183	8595
1311	CW_1361	5179	4249	9428
1312	MULTIQUEEN	4952	4222	9174
1313	GIBRALTAR	4579	4067	8647
1315	PS_93-15	4708	4198	8906
1319	ALFASTAR	4825	4382	9207
1334	NOTICE	4753	4152	8905
1336	FG3B27	4930	4014	8945
1337	C-3236	5188	4227	9416
1338	LIGHTNING	5101	4623	9724
1339	DEMAND	4893	3903	8796
1340	INNOVATOR_+Z	4260	4335	8595
1341	TOTAL	4614	4115	8730
1344	PS94-03	4564	4294	8858
1353	92-132	4245	4430	8675
1356	CW_1351	5018	4436	9454
1364	YAM410	4241	4412	8652
1372	A9010	5035	4510	9545
9002	120	4508	4478	8985
9053	CENTURION	4849	4467	9316
900	MEAN	4691	4270	8961
901	CV	14.4	12.4	9.9
905	MCV	17.0	14.7	11.7
902	LSD	798.9	626.6	1046.8
906	LSR	84.3	87.0	80.4
907	PR>F(TRTS)	0.6747	0.9532	0.8384

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Alfalfa Registration D
 Expt. 9405
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6874	4058	10932
1074	ARROW	6797	4093	10889
1300	ABI9146	6744	4349	11093
1301	ABI9227	6646	3971	10617
1304	91804	7124	4082	11206
1307	2J90	7210	4073	11283
1308	3J04	6577	4161	10738
1309	GH794	6383	3737	10119
1310	SPLENDOR	7243	4445	11687
1314	PS_91-1	6397	3993	10390
1316	UGG-430	6760	4204	10963
1317	UGG-450	6603	4662	11264
1321	90-124	7179	4079	11258
1323	ABI_9145	7087	4226	11313
1324	DS907	7196	4633	11829
1325	MAGNUM_IV	7104	4497	11601
1326	A_8910	7231	4055	11286
1327	A_9108	6448	4160	10608
1328	330	7538	4245	11784
1329	SPARTAN	7218	3772	10991
1373	A9107	7721	3983	11704
9053	CENTURION	7117	4236	11353
900	MEAN	6963	4169	11132
901	CV	8.6	8.2	5.4
905	MCV	10.2	9.7	6.4
902	LSD	709.6	403.5	715.0
906	LSR	53.0	43.6	41.8
907	PR>F (TRTS)	0.1194	0.0221	0.0067

RCBD arrangement, 4 blocks {1234}

ONTARIO

Elora

Alfalfa Registration Trial A

Expt. 2713

Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	5074	2914	7987	7550	15537
1074	ARROW	4828	2961	7789	6621	14410
1331	DK127	5355	2892	8247	6639	14886
1343	PS94-02	4509	2461	6970	7174	14144
1344	PS94-03	5466	2978	8445	6952	15396
1345	PS94-04	4742	2885	7627	6908	14535
1346	PS94-05	4924	2950	7874	6354	14228
1354	STERLING	4814	2459	7273	6670	13943
1355	GH767	5000	2509	7509	6300	13809
1356	CW_1351	5087	2951	8037	6800	14837
1357	CW_1436	4494	3008	7502	6943	14446
1358	BIG_HORN	4788	2605	7393	6562	13955
1359	CW_2043	4756	2938	7694	6386	14079
1364	YAM410	4703	2667	7370	6922	14292
1365	RUSHMORE	5256	2639	7895	6705	14600
1378	B44	4712	3075	7787	6235	14022
1379	CIBA_2888	4795	2658	7453	7333	14786
1386	CW-2353	5199	2623	7822	6890	14712
1400	YAL47	4236	2729	6965	7040	14006
1404	93-136	4622	2621	7243	6984	14227
9002	120	4916	2473	7389	6490	13879
9053	CENTURION	5565	2711	8276	6965	15241
900	MEAN	4902	2759	7661	6792	14453
901	CV	9.2	12.4	8.3	7.3	4.3
905	MCV	12.7	17.1	11.5	10.0	6.0
902	LSD	621.6	470.7	878.9	681.8	862.1
906	LSR	46.8	76.5	59.4	51.8	49.9
907	PR>F (TRTS)	0.1036	0.4658	0.3216	0.1885	0.0380

RCBD arrangement, 3 blocks {123}

ONTARIO
 New Liskeard
 Alfalfa Registration A
 Expt. 9501
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	5936	3051	8987
1074	ARROW	5653	3202	8855
1331	DK127	5660	3251	8912
1343	PS94-02	6225	3087	9312
1344	PS94-03	6230	3024	9253
1345	PS94-04	5791	2992	8783
1346	PS94-05	5802	3002	8805
1354	STERLING	5739	2828	8568
1355	GH767	6146	3313	9458
1356	CW_1351	5585	2862	8447
1357	CW_1436	5911	2999	8910
1358	BIG_HORN	5658	3216	8874
1359	CW_2043	5923	3056	8979
1364	YAM410	5602	3404	9006
1365	RUSHMORE	5917	3190	9107
1378	B44	5653	2985	8638
1379	CIBA_2888	5954	3034	8988
1386	CW-2353	5538	3245	8784
1400	YAL47	5076	3464	8540
1404	93-136	5617	3266	8883
9002	120	6105	2776	8882
9053	CENTURION	6063	3046	9110
900	MEAN	5808	3104	8913
901	CV	6.2	8.2	5.0
905	MCV	7.3	9.7	5.9
902	LSD	423.1	301.5	529.3
906	LSR	36.7	43.9	52.3
907	PR>F (TRTS)	0.0066	0.0211	0.2729

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Alfalfa Registration A
 Expt. 7247
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	5906	3319	9225	7460	16685
1074	ARROW	6072	3297	9369	7665	17034
1331	DK127	6304	3509	9813	7643	17456
1343	PS94-02	6346	3420	9766	8227	17992
1344	PS94-03	5756	3156	8912	8042	16954
1345	PS94-04	6034	3023	9057	7929	16986
1346	PS94-05	6028	3132	9160	7933	17093
1354	STERLING	5254	3095	8349	7544	15894
1355	GH767	6052	3684	9735	8175	17911
1356	CW_1351	5982	3347	9329	8046	17374
1357	CW_1436	5962	3517	9479	7622	17101
1358	BIG_HORN	5774	3362	9136	7847	16983
1359	CW_2043	6081	3409	9491	7741	17232
1364	YAM410	6003	3568	9571	7520	17091
1365	RUSHMORE	5478	3061	8539	7606	16145
1378	B44	5770	3137	8907	7936	16843
1379	CIBA_2888	5683	3313	8996	7746	16742
1386	CW-2353	6272	3662	9934	7909	17843
1400	YAL47	5266	3432	8697	6985	15682
1404	93-136	5609	3588	9197	7128	16325
9002	120	5327	3083	8410	8159	16570
9053	CENTURION	6126	3281	9408	8197	17604
900	MEAN	5868	3336	9204	7775	16979
901	CV	10.5	10.0	9.5	7.6	7.3
905	MCV	12.4	11.8	11.2	8.9	8.6
902	LSD	729.0	392.5	1034.4	694.4	1466.6
906	LSR	66.8	59.4	65.3	55.9	63.5
907	PR>F (TRTS)	0.3806	0.1275	0.4334	0.2402	0.5117

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration A
 Expt. 6326
 Seeded 1995

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
YAL 47	1400	5435	3372	8807
92W02PM1	1364	5410	3191	8601
93-136	1404	5475	3067	8542
PS94-04	1345	5455	3007	8462
SARANAC	1001	5220	3168	8388
CW 2353	1386	5273	2904	8177
CIRA 2888	1379	5297	2833	8130
3B37	1331	5161	2959	8120
PS94-02	1343	5202	2892	8094
CW 2040	1358	5098	2956	8054
CW 1436	1357	5179	2839	8018
CENTURION	9053	5281	2691	7972
120	9002	5246	2713	7959
B44	1378	5104	2787	7891
RUSHMORE	1365	5176	2652	7828
4J12	1354	4960	2684	7644
CW 1351	1356	4914	2480	7394
CW 2043	1359	4928	2454	7382
PS94-03	1344	4711	2402	7113
CW 1005	1355	4583	2418	7001
PS94-05	1346	4806	2161	6967
ARROW	1074	4556	2206	6762
MEAN	900	5112	2765	7878
CV	901	10.4	11.4	10.0
MCV	905	14.7	16.1	14.2
LSD	902	752	445	1117
LSR	906	81.8	36.7	54.6
PR>F(TRTS)	907	ns	**	*
RCBD arrangement, 4 blocks				

ONTARIO
 New Liskeard
 Alfalfa Registration B
 Expt. 9502
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6034	3354	9388
1074	ARROW	6369	2971	9341
1098	MAGNUM_III	5380	3500	8880
1375	ABT_205	6330	3375	9705
1376	ABT_405	5992	3062	9054
1377	SUPERCUTS	6097	3627	9724
1380	C-3220	6017	3651	9668
1381	3T44	5821	3634	9455
1382	ALPHA_2001	6041	3244	9285
1383	MS95-06	6416	3315	9730
1384	MS95-07	5776	3511	9286
1385	NY9012	5889	3330	9219
1387	CW-2360	5637	3250	8887
1388	CW-3408	5889	3441	9330
1389	CW-3414	6214	3459	9674
1390	CW-3347	6730	3394	10124
1402	STAMPEDE	5479	3498	8977
1403	92-31	5602	3368	8970
1405	GH766QP	5884	3308	9192
1406	PSC_10222	5970	3240	9211
9002	120	5801	2959	8761
9053	CENTURION	5783	3229	9011
900	MEAN	5961	3351	9312
901	CV	10.9	9.1	7.7
905	MCV	12.9	10.8	9.0
902	LSD	769.4	361.8	842.7
906	LSR	57.0	52.3	61.8
907	PR>F (TRTS)	0.5246	0.0870	0.5337

RCBD arrangement, 4 blocks {1234}

ONTARIO
Thunder Bay
Alfalfa Registration B
Expt. 7248
Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	5569	3603	9172	8268	17440
1074	ARROW	5736	3558	9294	8383	17677
1098	MAGNUM_III	5854	3910	9764	8069	17833
1375	ABT_205	5760	3739	9499	8245	17744
1376	ABT_405	5723	3683	9405	7872	17278
1377	SUPERCUTS	5575	3727	9303	8109	17412
1380	C-3220	5968	3700	9668	8091	17759
1381	3T44	5867	3760	9627	7624	17251
1382	ALPHA_2001	5659	3743	9402	7799	17202
1383	MS95-06	6230	3774	10004	7809	17813
1384	MS95-07	5938	3837	9775	8427	18202
1385	NY9012	5847	3930	9777	8187	17963
1387	CW-2360	5798	3525	9323	8086	17410
1388	CW-3408	6624	3834	10458	8211	18670
1389	CW-3414	5979	3745	9724	8106	17830
1390	CW-3347	5837	3857	9695	8445	18140
1402	STAMPEDE	5689	3966	9654	7986	17640
1403	92-31	5952	3964	9917	7790	17707
1405	GH766QP	5797	3808	9605	7771	17376
1406	PSC_10222	5551	3850	9402	8617	18019
9002	120	5696	3410	9106	8649	17755
9053	CENTURION	6210	3711	9921	8858	18779
900	MEAN	5857	3756	9613	8155	17768
901	CV	7.0	6.8	5.7	5.1	3.9
905	MCV	8.2	8.0	6.7	6.0	4.6
902	LSD	481.2	302.3	642.5	489.4	824.7
906	LSR	44.8	54.4	47.5	39.7	52.3
907	PR>F (TRTS)	0.1151	0.2564	0.2033	0.0047	0.1404

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration B
 Expt. 6327
 Seeded 1995

Cultivar	Code	Cut 1	1997 (kg/ha)		Tot97
			Cut 2		
MS95-07	1384	4798	2884		7682
CW-3347	1390	4939	2596		7535
PSC 10222	1406	4836	2698		7534
MS95-06	1383	4756	2715		7471
CENTURION	9053	4708	2724		7432
93-110	1405	4764	2623		7387
SARANAC	1001	4737	2580		7317
MAGNUM III	1098	4696	2513		7209
ARROW	1074	4704	2482		7186
92-31	1403	4520	2629		7149
DS9311	1402	4470	2643		7113
NY9012	1385	4599	2482		7081
ABT 405	1376	4645	2435		7080
ALPHA 2001	1382	4543	2527		7070
120	9002	4567	2424		6991
CW-2360	1387	4617	2363		6980
CW-3414	1389	4422	2515		6937
CW-3408	1388	4437	2369		6806
C-3220	1380	4473	2262		6735
SUPERCUTS	1377	4383	2302		6685
ABT 205	1375	4422	2251		6673
3T44	1381	4379	2069		6448
MEAN	900	4610	2504		7114
CV	901	9.0	10.4		8.6
MCV	905	12.7	14.7		12.1
LSD	902	585	368		859
LSR	906	104.5	45.2		69.6
PR>F (TRTS)	907	ns	*		ns

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Alfalfa Registration Trial C
 Expt. 2715
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	4987	3350	8337	7352	15689
1074	ARROW	4492	2914	7406	7070	14476
1332	FG2B08	5089	3514	8603	7690	16294
1333	RAINIER	4939	3567	8505	8001	16507
1334	NOTICE	4985	3679	8664	7949	16613
1335	FG3B21	4668	2925	7592	7457	15050
1336	FG3B27	5021	3063	8084	7613	15697
1337	C-3236	4636	3181	7817	7411	15228
1338	LIGHTNING	4849	3223	8072	7779	15851
1339	DEMAND	3977	2802	6779	6868	13647
1340	INNOVATOR_+Z	4727	2588	7315	6574	13889
1353	92-132	4431	2988	7419	7209	14628
1391	DEPEND+EV	4296	2970	7266	7513	14780
1392	ABI_ZG9445	4522	2896	7418	7222	14640
1393	A9201	4900	3042	7943	7442	15385
1394	A9203	4724	2945	7669	7246	14915
1395	PS95-01	5130	3386	8516	8029	16545
1396	PS95-02	5036	3010	8047	7624	15671
1397	PS95-03	4885	3150	8035	7600	15635
1398	PS95-04	4417	3050	7466	7708	15175
1399	PS95-05	4446	2859	7305	6847	14152
9002	120	4602	2644	7246	7285	14532
9053	CENTURION	5079	3374	8453	7266	15720
900	MEAN	4732	3092	7824	7424	15249
901	CV	7.1	12.4	7.4	7.3	6.1
905	MCV	9.7	17.1	10.1	10.0	8.4
902	LSD	460.2	529.1	792.1	744.9	1278.2
906	LSR	39.9	48.5	42.0	51.2	43.1
907	PR>F (TRTS)	0.0064	0.0857	0.0046	0.1654	0.0061

RCBD arrangement, 3 blocks {123}

ONTARIO
 New Liskeard
 Alfalfa Registration C
 Expt. 9503
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	5552	3588	9140
1074	ARROW	5921	3459	9380
1332	FG2B08	5964	3752	9716
1333	RAINIER	6168	3676	9844
1334	NOTICE	5855	3606	9461
1335	FG3B21	5668	3957	9625
1336	FG3B27	6248	3709	9956
1337	C-3236	6060	3392	9452
1338	LIGHTNING	5859	3506	9365
1339	DEMAND	5726	3298	9024
1340	INNOVATOR_+Z	6044	3643	9687
1353	92-132	6095	3872	9967
1391	DEPEND+EV	5255	3692	8947
1392	ABI_ZG9445	5982	3915	9896
1393	A9201	6043	3320	9363
1394	A9203	6556	3315	9871
1395	PS95-01	6659	3525	10184
1396	PS95-02	5973	3761	9734
1397	PS95-03	5780	3429	9209
1398	PS95-04	6159	3481	9640
1399	PS95-05	5839	3470	9309
9002	120	6041	3305	9346
9053	CENTURION	6140	3453	9593
900	MEAN	5982	3571	9553
901	CV	6.0	8.2	5.0
905	MCV	8.3	11.3	6.8
902	LSD	495.3	403.6	650.6
906	LSR	35.3	61.3	52.6
907	PR>F (TRTS)	0.0211	0.1934	0.1720

RCBD arrangement, 3 blocks {124}

ONTARIO
 Thunder Bay
 Alfalfa Registration C
 Expt. 7249
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	6313	3361	9674	8678	18352
1074	ARROW	6046	3536	9583	8729	18312
1332	FG2B08	6723	3652	10375	8591	18966
1333	RAINIER	6736	3516	10251	9248	19499
1334	NOTICE	6832	3461	10293	8694	18987
1335	FG3B21	6502	3521	10023	8538	18562
1336	FG3B27	6493	3521	10013	8430	18444
1337	C-3236	6377	3586	9963	9121	19084
1338	LIGHTNING	6585	3782	10367	8775	19142
1339	DEMAND	6354	3258	9612	8911	18523
1340	INNOVATOR_+Z	5965	3093	9058	8657	17714
1353	92-132	6148	3318	9466	8393	17860
1391	DEPEND+EV	6068	3451	9519	8073	17592
1392	ABI_ZG9445	5949	3327	9276	8984	18260
1393	A9201	6544	3404	9948	8753	18700
1394	A9203	6254	3153	9406	9047	18453
1395	PS95-01	6293	3390	9683	8706	18389
1396	PS95-02	6282	3496	9779	8654	18432
1397	PS95-03	6769	3494	10262	8662	18924
1398	PS95-04	6604	3407	10011	8794	18805
1399	PS95-05	6198	3436	9634	8191	17825
9002	120	6108	3066	9174	8920	18094
9053	CENTURION	6677	3729	10406	9138	19544
900	MEAN	6383	3433	9816	8725	18542
901	CV	8.3	9.2	7.3	4.1	4.9
905	MCV	9.8	10.8	8.6	4.8	5.8
902	LSD	624.5	371.8	843.4	423.0	1067.1
906	LSR	70.7	51.9	62.5	36.0	54.7
907	PR>F (TRTS)	0.4310	0.1959	0.2239	0.0015	0.1594

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration C
 Expt. 6328
 Seeded 1995

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
PS95-02	1396	5313	3143	8456
FG3B16	1333	4565	2684	7249
FG3B27	1336	4687	2752	7439
ABI-ZG9445	1392	4561	2821	7382
3B29	1338	4365	2531	6896
PS95-04	1398	4228	3233	7461
CENTURION	9053	4665	2752	7417
120	9002	4561	2555	7116
ABI-9231	1391	4331	2835	7166
C-3236	1337	4499	2537	7036
ABI-923AA	1340	4376	2362	6738
ABI-9236	1339	4443	2475	6918
ARROW	1074	4316	2507	6823
A9201	1393	4015	2167	6182
A9203	1394	4058	2203	6261
SARANAC	1001	4485	2137	6622
92-132	1353	4532	2107	6639
FG3B21	1335	4302	2204	6506
PS9501	1395	4065	2261	6326
PS95-05	1399	4313	2237	6550
FG2B08	1332	3963	2406	6369
FG3B19	1334	3837	2216	6053
PS95-03	1397	4008	2245	6253
MEAN	900	4369	2494	6863
CV	901	11.5	14.1	11.5
MCV	905	18.9	23.1	19.0
LSD	902	825	577	1302
LSR	906	55.9	51.2	54.2
PR>F (TRTS)	907	ns	**	ns

RCBD arrangement, 4 blocks

ONTARIO
 New Liskeard
 Alfalfa Registration D
 Expt. 9504
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	6162	3428	9591
1074	ARROW	5749	3347	9096
1330	EVOLUTION	5552	3337	8889
1341	TOTAL	5920	3184	9103
1342	PS94-01	6295	3351	9646
1348	MULTI-GEM	5353	3283	8636
1349	PSC_10939	5582	3412	8994
1350	PSC_10238	6273	3111	9384
1351	PSC_10235	6127	3117	9245
1352	90-119	5849	3630	9479
1360	MAGNUM_III-W	5994	3480	9474
1361	DS_9410	6104	3560	9664
1362	MAGNAGRAZE	5479	3433	8912
1366	GREEN_FIELD	5898	3360	9258
1367	616	6074	3321	9396
1368	UGG510	5713	3402	9115
1369	UGG520	5778	3232	9010
1370	UGG530	5642	3358	9000
1372	A9010	6534	3196	9730
1373	A9107	6096	3587	9683
1374	WINTERGREEN	5765	3658	9423
9053	CENTURION	6805	3449	10254
900	MEAN	5943	3374	9317
901	CV	8.1	8.9	5.7
905	MCV	9.6	10.5	6.8
902	LSD	568.9	354.0	630.0
906	LSR	39.2	64.7	38.9
907	PR>F (TRTS)	0.0118	0.4357	0.0280

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration D
 Expt. 6329
 Seeded 1995

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
MULTI-GEM	1348	3665	1913	5578
616	1367	4349	1981	6330
GREEN FIELD	1366	4313	1821	6134
MAGNAGRAZE	1362	4032	2256	6288
90-119	1352	3497	2089	5586
DS 9410	1361	3526	1558	5084
PS94-01	1342	3638	1850	5488
A9107	1373	3354	1525	4879
UGG530	1370	3955	1596	5551
UGG510	1368	3172	1576	4748
PSC 10235	1351	3634	1925	5559
ARROW	1074	3280	1505	4785
UGG520	1369	3611	1829	5440
SARANAC	1001	3382	2022	5404
PSC 10939	1349	3088	2218	5306
MAGNUM IIIW	1360	3304	1836	5140
TOTAL	1341	3197	1728	4925
A9010	1372	3304	1487	4791
CENTURION	9053	3448	1654	5102
ABI9234	1374	2988	1486	4474
PSC 10238	1350	2870	1560	4430
EVOLUTION	1330	3010	1544	4554
MEAN	900	3483	1771	5254
CV	901	11.7	13.3	11.3
MCV	905	19.2	22.0	18.7
LSD	902	669	389	981
LSR	906	45.2	50.5	51.6
PR>F (TRTS)	907	**	**	**

RCBD arrangement, 4 blocks

ONTARIO

Elora

Alfalfa Registration Trial A

Expt. 2724

Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	5840	4111	9952
1074	ARROW	5601	3453	9054
1285	FORERUNNER	5554	3460	9014
1408	MARINER	5693	3775	9468
1410	CW-3433	5647	3687	9334
1411	CW-4335	5888	3656	9544
1412	CW-4403	5744	3822	9566
1413	CW-4429	5773	3830	9603
1414	PS9601	5441	3707	9148
1415	PS9602	5913	3699	9612
1416	PS9603	5361	3673	9034
1417	PS9604	5524	3648	9173
1418	PS9605	5594	3538	9132
1419	93W03PM1	5714	4001	9716
1420	93-39	5095	3360	8455
1421	COLUMBIA2000	5500	3609	9109
1422	FORECAST1000	5741	3646	9387
1423	FORECAST3000	5611	3590	9201
1424	92-28	5383	3828	9211
9053	CENTURION	5810	3608	9418
900	MEAN	5621	3685	9306
901	CV	5.7	8.9	5.6
905	MCV	6.7	10.6	6.7
902	LSD	379.3	392.3	623.3
906	LSR	46.4	52.2	41.6
907	PR>F (TRTS)	0.0880	0.3082	0.1034

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Lisheard
 Alfalfa Registration A
 Expt. 9601
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6085	3597	9682
1074	ARROW	6239	3621	9860
1285	FORERUNNER	6246	3460	9706
1408	MARINER	5787	3728	9515
1410	CW-3433	6521	3697	10218
1411	CW-4335	6361	3874	10235
1412	CW-4403	6250	3594	9844
1413	CW-4429	6121	3716	9837
1414	PS9601	5786	3830	9616
1415	PS9602	6382	3724	10106
1416	PS9603	6969	3592	10561
1417	PS9604	6292	3729	10021
1418	PS9605	6072	3851	9923
1419	93W03PM1	6345	3882	10227
1420	93-39	5933	4049	9982
1421	COLUMBIA2000	6539	3409	9948
1422	FORECAST1000	6445	3564	10009
1423	FORECAST3000	5378	3656	9034
1424	92-28	6071	3546	9617
9053	CENTURION	6708	3555	10263
900	MEAN	6226	3684	9910
901	CV	9.6	4.7	6.4
905	MCV	11.4	5.6	7.6
902	LSD	708.9	206.5	754.8
906	LSR	44.6	32.3	49.4
907	PR>F (TRTS)	0.1663	0.0003	0.3663

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Alfalfa Registration A
 Expt. 7257
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC <i>Dropped</i>	6358	3050	9407
1074	ARROW	7009	3659	10668
1285	FORERUNNER	6816	3484	10300
1408	MARINER	6180	3640	9819
1410	CW-3433	6788	3582	10370
1411	CW-4335	6552	3370	9922
1412	CW-4403	6425	3501	9927
1413	CW-4429	6565	3437	10001
1414	PS9601	6620	3495	10114
1415	PS9602	6558	3526	10084
1416	PS9603	6721	3560	10281
1417	PS9604	6442	3291	9733
1418	PS9605	6170	3629	9799
1419	93W03PM1	6538	3587	10124
1420	93-39	6556	3676	10232
1421	COLUMBIA2000	6958	3324	10282
1422	FORECAST1000	6758	3213	9971
1423	FORECAST3000	6826	3591	10417
1424	92-28	6640	3607	10247
9053	CENTURION	7095	3802	10897
900	MEAN	6629	3501	10130
901	CV	7.1	7.0	5.9
905	MCV	8.5	8.3	7.0
902	LSD	563.4	291.3	708.4
906	LSR	60.9	38.7	47.6
907	PR>F (TRTS)	0.3619	0.0153	0.2409

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration A
 Expt. 6330
 Seeded 1996

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
PS9602	1415	6336	3193	9529
CENTURION	9053	6511	2907	9418
COLUMBIA2000	1421	6076	2919	8995
MARINER	1408	6142	2847	8989
PS9601	1414	6004	2921	8925
CW-3433	1410	6184	2708	8892
PS9603	1416	5971	2908	8879
93-39	1420	5946	2922	8868
SARANAC	1001	6084	2688	8772
ARROW	1074	5877	2858	8735
CW-4335	1411	5934	2796	8730
CW-4403	1412	5875	2759	8634
FORECAST3000	1423	5850	2784	8634
92-28	1424	5847	2737	8584
PS9604	1417	5888	2693	8581
PS9605	1418	5676	2846	8522
93W03PMI	1419	5736	2703	8439
FORERUNNER	1285	5776	2598	8374
FORECAST1000	1422	5654	2667	8321
CW-4429	1413	5572	2502	8074
MEAN	900	5947	2798	8745
CV	901	5.8	11.9	6.7
MCV	905	8.2	16.9	9.5
LSD	902	485	472	833
LSR	906	51.7	68.3	57.3
PR>F (TRTS)	907	*	ns	ns

RCBD arrangement, 4 blocks

ONTARIO

Elora

Alfalfa Registration Trial B

Expt. 2725

Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	5789	3783	9572
1074	ARROW	5954	3476	9430
1285	FORERUNNER	5543	3290	8834
1391	DEPEND+EV	5560	3308	8868
1392	ABI_ZG9445	5061	3303	8364
1393	A9201	5543	3548	9091
1394	A9203	5508	3313	8821
1409	ZG9346	5464	3441	8905
1425	A9303	5516	3611	9127
1426	A9305	5440	3380	8820
1427	MS93-1ML	5844	3507	9351
1428	MS96-06	5575	3618	9193
1429	MS96-07	5713	3678	9391
1430	ZG9431	5331	3370	8701
1431	94GG	5363	2921	8284
1432	A2693	5502	3737	9239
1433	A2993	5802	3388	9190
1442	A2793	5640	3305	8945
1443	A2893	5394	3197	8591
9053	CENTURION	5574	3431	9005
900	MEAN	5556	3430	8986
901	CV	7.1	6.6	5.4
905	MCV	8.5	7.9	6.4
902	LSD	469.9	270.9	573.7
906	LSR	52.6	31.4	44.5
907	PR>F (TRTS)	0.4231	0.0004	0.0210

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Alfalfa Registration B
 Expt. 9602
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6767	4329	11096
1074	ARROW	6233	4148	10381
1285	FORERUNNER	6236	3965	10200
1391	DEPEND+EV	5626	4114	9740
1392	ABI_ZG9445	6319	4219	10538
1393	A9201	6132	4019	10152
1394	A9203	6903	3913	10815
1409	ZG9346	6930	4279	11209
1425	A9303	6503	4184	10687
1426	A9305	6042	4089	10131
1427	MS93-1ML	7238	4149	11387
1428	MS96-06	6273	4311	10584
1429	MS96-07	6595	4311	10906
1430	ZG9431	6050	4290	10340
1431	94GG	6274	4259	10533
1432	A2693	6598	4193	10792
1433	A2993	6702	4180	10883
9053	CENTURION	6790	4451	11241
900	MEAN	6456	4189	10645
901	CV	9.2	6.8	6.9
905	MCV	11.0	8.1	8.2
902	LSD	707.4	337.4	870.6
906	LSR	43.9	62.7	52.8
907	PR>F (TRTS)	0.0588	0.5475	0.1479

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Alfalfa Registration B
 Expt. 7258
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6438	2991	9429
1074	ARROW	5839	3390	9229
1285	FORERUNNER	6047	3331	9377
1391	DEPEND+EV	5976	3448	9424
1392	ABI_ZG9445	6347	3414	9761
1393	A9201	6413	3486	9899
1394	A9203	6666	3330	9997
1409	ZG9346	6036	3266	9302
1425	A9303	6613	3285	9898
1426	A9305	6408	3369	9777
1427	MS93-1ML	7465	3136	10601
1428	MS96-06	6121	3464	9585
1429	MS96-07	6177	3376	9553
1430	ZG9431	6567	3413	9981
1431	94GG	6686	2783	9469
1432	A2693	6829	3484	10313
1433	A2993	6230	3314	9545
9053	CENTURION	6231	3452	9683
900	MEAN	6394	3318	9712
901	CV	7.0	7.2	5.1
905	MCV	8.4	8.6	6.1
902	LSD	534.3	284.6	591.3
906	LSR	32.9	40.5	43.1
907	PR>F (TRTS)	0.0017	0.0096	0.0223

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration B
 Expt. 6331
 Seeded 1996

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
A2693	1432	6311	3007	9318
AFFINITY-2	1409	6077	2970	9047
A9203	1394	6205	2669	8874
SARANAC	1001	6058	2684	8742
MS96-07	1429	6097	2637	8734
ABI9231	1391	5920	2807	8727
A9305	1426	6006	2719	8725
A9303	1425	5827	2854	8681
ARROW	1074	5738	2887	8625
CENTURION	9053	5870	2728	8598
A9201	1393	5830	2677	8507
FORERUNNER	1285	5900	2594	8494
MS96-06	1428	5759	2638	8397
ZG9431	1430	5712	2571	8283
MS93-1ML	1427	5870	2412	8282
ABIZG9445	1392	5587	2606	8193
94GG	1431	5584	2497	8081
A2993	1433	5407	2536	7943
MEAN	900	5875	2694	8570
CV	901	7.2	8.5	6.3
MCV	905	10.2	12.1	8.9
LSD	902	599	325	767
LSR	906	66.3	54.6	55.8
PR>F (TRTS)	907	ns	*	ns

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Alfalfa Registration Trial C
 Expt. 2726
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6229	4381	10610
1074	ARROW	5955	4217	10172
1285	FORERUNNER	6210	3966	10175
1378	B44	6025	4053	10078
1379	CIBA_2888	6195	4035	10230
1381	3T44	6007	4014	10021
1383	MS95-06	6174	4246	10420
1386	CW-2353	5939	4120	10060
1387	CW-2360	5965	4138	10103
1388	CW-3408	5931	4245	10176
1389	CW-3414	6016	4154	10169
1390	CW-3347	5997	4067	10064
1395	PS95-01	6199	4080	10279
1396	PS95-02	6046	4235	10280
1397	PS95-03	6006	4151	10157
1398	PS95-04	6195	3979	10174
1399	PS95-05	5943	4037	9980
1400	YAL47	5683	4083	9766
1404	93-136	5765	4153	9918
9053	CENTURION	6642	4236	10878
900	MEAN	6056	4129	10186
901	CV	5.0	5.1	3.9
905	MCV	6.0	6.1	4.6
902	LSD	362.3	250.3	471.5
906	LSR	37.8	60.2	42.4
907	PR>F (TRTS)	0.0557	0.4403	0.1281

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Alfalfa Registration C
 Expt. 9603
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	5925	3878	9803
1074	ARROW	5419	3850	9270
1285	FORERUNNER	6098	3738	9836
1378	B44	5933	3930	9863
1379	CIBA_2888	6035	4467	10502
1381	3T44	6167	4174	10341
1383	MS95-06	5982	4033	10015
1386	CW-2353	5521	3711	9232
1387	CW-2360	5568	4235	9803
1388	CW-3408	6093	3742	9834
1389	CW-3414	5780	3908	9688
1390	CW-3347	5571	3770	9340
1395	PS95-01	5791	4193	9984
1396	PS95-02	5909	3996	9905
1397	PS95-03	5581	3902	9483
1398	PS95-04	6604	4198	10802
1399	PS95-05	5899	4170	10068
1400	YAL47	5599	4110	9709
1404	93-136	5148	4240	9388
9053	CENTURION	6575	4001	10576
900	MEAN	5860	4012	9872
901	CV	12.0	11.4	10.4
905	MCV	14.2	13.6	12.3
902	LSD	834.7	546.4	1218.0
906	LSR	57.3	72.2	77.6
907	PR>F (TRTS)	0.4152	0.6872	0.7862

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Alfalfa Registration C
 Expt. 7259
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6333	2933	9266
1074	ARROW	5885	3253	9138
1285	FORERUNNER	6577	3411	9987
1378	B44	6598	3077	9675
1379	CIBA_2888	7041	3477	10518
1381	3T44	6591	3449	10040
1383	MS95-06	6703	3310	10013
1386	CW-2353	6438	3433	9871
1387	CW-2360	6265	3357	9623
1388	CW-3408	6154	3297	9451
1389	CW-3414	6740	3377	10117
1390	CW-3347	6378	3378	9756
1395	PS95-01	6607	3309	9917
1396	PS95-02	6129	3325	9454
1397	PS95-03	5939	3426	9365
1398	PS95-04	6575	3369	9944
1399	PS95-05	6177	3380	9558
1400	YAL47	6439	3460	9898
1404	93-136	5803	3453	9256
9053	CENTURION	6985	3420	10405
900	MEAN	6418	3345	9763
901	CV	6.3	5.2	5.0
905	MCV	7.5	6.2	6.0
902	LSD	481.2	208.4	584.0
906	LSR	38.9	38.3	42.3
907	PR>F (TRTS)	0.0014	0.0078	0.0066

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration C
 Expt. 6332
 Seeded 1996

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
CIBA2888	1379	6115	3195	9310
CW-3414	1389	5949	3249	9198
FORERUNNER	1285	5726	3281	9007
CENTURION	9053	5802	3195	8997
CW-3408	1388	5723	3237	8960
CW-2353	1386	5600	3323	8923
B44	1378	5949	2901	8850
CW-2360	1387	5562	3218	8780
PS95-05	1399	5522	3218	8740
SARANAC	1001	5802	2924	8726
PS95-03	1397	5497	2992	8489
93-136	1404	5289	3078	8367
PS95-01	1395	5288	2982	8270
3T44	1381	5357	2812	8169
PS95-04	1398	5382	2770	8152
ARROW	1074	5312	2834	8146
MS95-06	1383	5344	2738	8082
PS95-02	1396	5283	2698	7981
YAL47	1400	5159	2774	7933
CW-3347	1390	5030	2580	7610
MEAN	900	5535	3000	8535
CV	901	9.1	13.0	9.1
MCV	905	12.8	18.4	12.9
LSD	902	709	552	1102
LSR	906	65.3	74.3	64.8
PR>F (TRTS)	907	ns	ns	ns

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Alfalfa Registration Trial D
 Expt. 2727
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	5527	4511	10039
1074	ARROW	5268	3907	9176
1098	MAGNUM_III	5540	4372	9913
1248	JAVELIN	5371	4142	9513
1375	ABT_205	5850	4512	10362
1376	ABT_405	5304	4243	9547
1377	SUPERCUTS	5363	4296	9659
1380	C-3220	5831	4529	10359
1382	ALPHA_2001	5350	4522	9872
1384	MS95-07	5740	4405	10146
1385	NY9012	5722	4541	10263
1402	STAMPEDE	5510	4140	9650
1403	92-31	5561	4236	9797
1405	GH766QP	5254	4113	9368
1406	PSC_10222	5484	4249	9733
1434	YAL_54	5777	4123	9901
1435	YAL_55	5695	4696	10391
1436	5396	5600	4283	9883
1437	WL326_GZ	5129	4569	9698
9053	CENTURION	5683	4419	10102
900	MEAN	5528	4340	9868
901	CV	7.6	8.2	6.7
905	MCV	9.1	9.8	8.0
902	LSD	502.1	423.3	787.1
906	LSR	69.6	53.6	64.8
907	PR>F (TRTS)	0.4856	0.2442	0.4225

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Alfalfa Registration D
 Expt. 9604
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	6061	4511	10571
1074	ARROW	6351	4714	11065
1098	MAGNUM_III	5784	4605	10389
1248	JAVELIN	6467	4167	10634
1375	ABT_205	6663	4492	11154
1376	ABT_405	5871	4212	10082
1377	SUPERCUTS	6679	4269	10948
1380	C-3220	6295	4503	10798
1382	ALPHA_2001	6223	4298	10521
1384	MS95-07	6480	4416	10896
1385	NY9012	5907	4470	10377
1402	STAMPEDE	6691	4287	10977
1403	92-31	5874	4482	10355
1405	GH766QP	5644	4647	10290
1406	PSC_10222	6387	4435	10822
1434	YAL_54	6141	4526	10666
1435	YAL_55	5848	4405	10253
1436	5396	5782	4435	10217
1437	WL326_GZ	5982	4245	10227
9053	CENTURION	6810	4608	11418
900	MEAN	6197	4436	10633
901	CV	9.5	5.1	5.5
905	MCV	11.3	6.1	6.6
902	LSD	700.6	269.5	697.5
906	LSR	60.1	49.3	52.2
907	PR>F (TRTS)	0.1303	0.0482	0.0990

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Alfalfa Registration D
 Expt. 6333
 Seeded 1996

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
ABT405	1376	5260	3233	8493
93-110	1405	5182	3058	8240
WL326GZ	1437	5053	3053	8106
SUPERCUTS	1377	4856	3022	7878
ALPHA	2001	4995	2788	7783
YAL54	1434	4970	2813	7783
CENTURION	9053	4956	2818	7774
C-3220	1380	4904	2787	7691
SARANAC	1001	4987	2690	7677
MAGNUM III	1098	4855	2819	7674
YAL55	1435	4711	2854	7565
92-31	1403	4775	2777	7552
ARROW	1074	4663	2803	7466
5396	1436	4709	2740	7449
STAMPEDE	1402	4606	2807	7413
MS95-07	1384	4612	2764	7376
ABT205	1375	4706	2647	7353
JAVELIN	1248	4600	2720	7320
NY9012	1385	4571	2722	7293
PSC10222	1406	4567	2580	7147
MEAN	900	4827	2825	7652
CV	901	10.6	11.4	10.6
MCV	905	15.0	16.2	15.0
LSD	902	726	457	1145
LSR	906	104.8	70.0	85.1
PR>F (TRTS)	907	ns	ns	ns
RCBD arrangement, 4 blocks				

ONTARIO
 Elora
 Alfalfa Registration G
 Expt. 2740
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	3766	4294	8161
1074	ARROW	3454	3837	7172
1330	EVOLUTION	3282	4251	7496
1341	TOTAL	3233	3843	7058
1342	PS94-01	3489	4116	7732
1348	MULTI-GEM	3153	3686	6916
1349	PSC_10939	3370	3754	7088
1350	PSC_10238	2928	3757	6662
1351	PSC_10235	3395	3733	7019
1360	MAGNUM_III-W	3579	4072	7590
1361	DS_9410	3676	4294	7994
1362	MAGNAGRAZE	3422	4159	7627
1366	GREEN_FIELD	3295	3964	7191
1367	616	3222	4070	7305
1368	UGG510	3268	4014	7367
1369	UGG520	3502	3782	7293
1370	UGG530	3266	3889	7070
1374	WINTERGREEN	3315	3896	7186
9053	CENTURION	3417	4027	7546
900	MEAN	3370	3970	7341
901	CV	7.8	7.8	6.7
905	MCV	9.3	9.3	8.0
902	LSD	313.2	370.1	585.6
906	LSR	37.4	60.9	39.1
907	PR>F(TRTS)	0.0197	0.1532	0.0195

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Alfalfa Strain trial- Early harvest
 Expt. 2734
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	3420	3249	6669
1074	ARROW	2853	2631	5484
1285	FORERUNNER	2989	2616	5605
1422	FORECAST1000	3371	2704	6075
1423	FORECAST3000	2753	2323	5076
9002	120	3225	2585	5810
9053	CENTURION	3273	2693	5966
8	DS9561	3347	2844	6192
9	DS9579	3724	3128	6852
10	DS9482	3216	2812	6028
11	DS9565	3309	2780	6089
900	MEAN	3225	2761	5986
901	CV	8.1	9.4	6.8
905	MCV	9.7	11.2	8.1
902	LSD	313.2	309.9	486.2
906	LSR	32.2	33.5	27.4
907	PR>F (TRTS)	0.0008	0.0018	0.0001

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Alfalfa Strain Trial-Normal harvest
 Expt. 2735
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	4956	3736	8692
1074	ARROW	4301	2256	6557
1285	FORERUNNER	4392	2123	6515
1422	FORECAST1000	4391	2517	6908
1423	FORECAST3000	4087	2244	6330
9002	120	4726	2479	7205
9053	CENTURION	4565	2671	7236
8	DS9561	4542	2493	7034
9	DS9579	4772	3133	7905
10	DS9482	4584	3058	7642
11	DS9565	4878	2654	7532
900	MEAN	4563	2669	7232
901	CV	6.6	22.3	10.6
905	MCV	7.9	26.7	12.8
902	LSD	362.7	713.2	923.0
906	LSR	41.7	44.2	39.1
907	PR>F(TRTS)	0.0102	0.0235	0.0063

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Alfalfa Strain Trial-Late harvest
 Expt. 2737
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	6231	2457	8687
1074	ARROW	5660	1523	7184
1285	FORERUNNER	5864	1780	7644
1422	FORECAST1000	5691	1741	7432
1423	FORECAST3000	5552	1834	7386
9002	120	5671	1726	7397
9053	CENTURION	5445	1890	7335
8	DS9561	5418	1892	7311
9	DS9482	5832	2150	7983
10	DS9482	5747	1677	7425
11	DS9565	5321	1800	7121
900	MEAN	5676	1861	7537
901	CV	9.6	14.7	9.9
905	MCV	11.6	17.6	11.9
902	LSD	656.1	327.5	897.7
906	LSR	72.1	35.1	57.3
907	PR>F(TRTS)	0.5889	0.0046	0.2181

RCBD arrangement, 4 blocks {1234}

ONTARIO
Huron Research Station
Alfalfa Performance Trial
Expt. 5015
Seeded 1994

		1997 (kg/ha)		
Code	Cultivar	Cut 1	Cut 2	Tot97
1001	SARANAC	3853	420	4275
1039	EXCALIBUR	3595	447	4026
1110	ECHO	2756	506	3284
1153	INCENTIVE	4021	436	4451
1182	20-20	3634	575	4195
1185	630	4019	405	4436
1186	MAJESTIC	4213	472	4670
1188	MULTI-PLIER	3779	612	4376
1191	5246	4221	491	4724
1192	WL_333	3401	394	3813
1195	LEGEND_2	3488	459	3948
1196	ENCORE	4141	558	4667
1198	ALFALEAF	3446	465	3927
1211	CLASS	3280	376	3662
1212	TRIDENT_II	2994	466	3478
1250	VIKING_1	3811	447	4271
1280	GALA	3292	383	3681
1292	ALFAGRAZE	3506	353	3863
1298	5312	3444	431	3847
1330	EVOLUTION	4093	423	4524
1342	PS94-01	4287	557	4833
1345	PS94-04	4027	411	4441
1354	STERLING	3492	545	4037
1365	RUSHMORE	4606	534	5121
1372	A9010	3040	404	3447
1373	A9107	4073	410	4469
9002	120	3365	374	3763
9072	IMPACT	3856	400	4261
900	MEAN	3705	456	4160
901	CV	10.0	20.5	10.3
905	MCV	17.1	170.8	17.6
902	LSD	634.5	778.1	731.8
906	LSR	34.3	300.4	39.8
907	PR>F (TRTS)	0.0176	0.4774	0.0681

Systematic control, covariate analysis

ONTARIO
 New Liskeard
 Alfalfa Performance Trial
 Expt. 5018
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
1001	SARANAC	7172	3537	10838
1039	EXCALIBUR	6886	3533	10374
1110	ECHO	6705	3367	9922
1153	INCENTIVE	6363	3765	10067
1182	20-20	7080	3882	10816
1185	630	7470	3650	11169
1186	MAJESTIC	7332	3898	11315
1188	MULTI-PLIER	7085	3594	10464
1191	5246	7689	3864	11592
1192	WL_333	7232	3433	10676
1195	LEGEND_2	7465	3258	10707
1196	ENCORE	7124	3680	10806
1198	ALFALEAF	6349	3612	9925
1211	CLASS	7083	3373	10296
1212	TRIDENT_II	6072	3704	9579
1250	VIKING_1	7539	3407	11072
1280	GALA	7094	3595	10853
1292	ALFAGRAZE	6730	3539	10290
1298	5312	7418	3808	11296
1330	EVOLUTION	6808	3856	11014
1342	PS94-01	7395	3729	11204
1345	PS94-04	7401	3890	11232
1354	STERLING	7035	3112	10176
1365	RUSHMORE	7846	1998	9905
1372	A9010	6982	3508	10564
1373	A9107	7388	3263	10610
9002	120	6967	3400	10231
9072	IMPACT	6953	3405	10327
900	MEAN	7095	3523	10618
901	CV	9.3	14.5	7.7
905	MCV	15.9	24.8	13.1
902	LSD	1127.0	875.1	1387.4
906	LSR	63.5	46.1	68.9
907	PR>F (TRTS)	0.7616	0.4846	0.7594

Systematic control, covariate analysis

ONTARIO
 Kapuskasing
 Alfalfa Performance Trial
 Expt. 5020
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
1001	SARANAC	5159	2166	7415
1039	EXCALIBUR	5072	1968	7067
1110	ECHO	4757	1964	6738
1153	INCENTIVE	4412	1695	6181
1182	20-20	4393	1718	6140
1185	630	4320	1654	5962
1186	MAJESTIC	4883	2087	6914
1188	MULTI-PLIER	4385	1767	6161
1191	5246	4674	1709	6328
1192	WL_333	4496	1728	6231
1195	LEGEND_2	5161	1964	7171
1196	ENCORE	4154	1423	5565
1198	ALFALEAF	4788	1826	6615
1211	CLASS	4164	1237	5413
1212	TRIDENT_II	4236	1600	5783
1250	VIKING_1	5306	1894	7271
1280	GALA	4267	1499	5715
1292	ALFAGRAZE	4463	1484	5939
1298	5312	4253	1845	6079
1330	EVOLUTION	4918	1749	6644
1342	PS94-01	4796	1842	6613
1345	PS94-04	4487	1650	6100
1354	STERLING	4710	1805	6513
1365	RUSHMORE	4873	1771	6724
1372	A9010	4333	1517	5783
1373	A9107	4650	1686	6295
9002	120	4209	1552	5753
9072	IMPACT	4720	1682	6411
900	MEAN	4609	1732	6340
901	CV	7.5	14.7	8.7
905	MCV	12.9	25.2	14.8
902	LSD	593.3	435.5	938.7
906	LSR	51.5	46.9	46.9
907	PR>F (TRTS)	0.1692	0.3565	0.2014

Systematic control, covariate analysis

ONTARIO
Ottawa
Alfalfa Registration A
Seeded 1994

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	3268	3268
9053	CENTURION	3085	3085
1001	SARANAC	3108	3108
1302	90-125HQ	3307	3307
1303	91795	3684	3684
1318	CW-1312	3290	3290
1320	CW-1434	3407	3407
1322	91-12	3490	3490
1331	3B37	3390	3390
1332	FG2B08	3423	3423
1333	FG3B16	3296	3296
1335	FG3B21	3540	3540
1343	PS94-02	3379	3379
1345	PS94-04	3639	3639
1346	PS94-05	3457	3457
1354	4J12	3102	3102
1355	CW1005	3479	3479
1357	CW1436	3468	3468
1358	CW2040	3418	3418
1359	CW2043	3700	3700
1365	RUSHMORE	3484	3484
9002	120	3412	3412
900	MEAN	3401	3401
901	CV	7.5	7.5
905	MCV	2.3	2.3
902	LSD	76.4	76.4
906	LSR	12.4	12.4
907	PR>F (TRTS)	0.041	0.041

ONTARIO
Ottawa
Alfalfa Registration B
Seeded 1994

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	3761	3761
9053	CENTURION	3448	3448
1001	SARANAC	3258	3258
1330	EVOLUTION	3715	3715
1342	PS94-01	4013	4013
1348	MULTI-GEM	3036	3036
1349	PSC-10939	3212	3212
1350	PSC-10238	3479	3479
1351	PSC-10235	3311	3311
1352	90-119	4020	4020
1360	MAGNUM III-WET	3609	3609
1361	DS 9410	4112	4112
1362	MAGNAGRAZE	4150	4150
1363	91WO4PR1	4310	4310
1366	GREEN FIELD	3524	3524
1367	616	2930	2930
1368	UGG510	3700	3700
1369	UGG520	3151	3151
1370	UGG530	3692	3692
1371	E871	4127	4127
1374	ABI 9234	4104	4104
9002	120	3425	3425
900	MEAN	3640	3640
901	CV	6.9	6.9
905	MCV	2.4	2.4
902	LSD	88.4	88.4
906	LSR	6.4	6.4
907	PR>F (TRTS)	0.000	0.000

ONTARIO
Ottawa
Alfalfa Registration C
Seeded 1994

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	3385	3385
9053	CENTURION	3225	3225
1001	SARANAC	3316	3316
1305	92809	3416	3416
1306	2J08	3110	3110
1311	CW 1361	3416	3416
1312	CW 1466	2995	2995
1313	PS 92-2ML	3094	3094
1315	PS 93-15	3408	3408
1319	CW 1404	3209	3209
1334	FG3B19	3255	3255
1336	FG3B27	3424	3424
1337	C-3236	3515	3515
1338	3B29	3485	3485
1339	ABI-9236	2910	2910
1340	ABI-923AA	3829	3829
1341	TOTAL	3033	3033
1344	PS94-03	3278	3278
1353	92-132	3401	3401
1356	CW 1351	3240	3240
1364	92W02PM1	3271	3271
1372	A9010	2957	2957
9002	120	3079	3079
900	MEAN	3272	3272
901	CV	9.2	9.2
905	MCV	3.2	3.2
902	LSD	103.2	103.2
906	LSR	11.2	11.2
907	PR>F (TRTS)	0.123	0.123

ONTARIO
Ottawa
Alfalfa Registration D
Seeded 1994

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	3468	3468
9053	CENTURION	3533	3533
1001	SARANAC	3646	3646
1300	ABI9146	3848	3848
1301	ABI9227	3541	3541
1304	91804	3412	3412
1307	2J90	3986	3986
1308	3J04	3404	3404
1309	4J03	3169	3169
1310	4J14	3775	3775
1314	PS 91-1	3800	3800
1316	UGG-430	3339	3339
1317	UGG-450	3679	3679
1321	90-124	3800	3800
1323	ABI 9145	3711	3711
1324	LSC907	4293	4293
1325	LSC9101	4123	4123
1326	A 8910	3339	3339
1327	A 9108	2151	2151
1328	4J10	3655	3655
1329	AS-K94	3606	3606
1373	A9107	3460	3460
900	MEAN	3579	3579
901	CV	8.3	8.3
905	MCV	2.9	2.9
902	LSD	103.7	103.7
906	LSR	4.8	4.8
907	PR>F (TRTS)	0.000	0.000

ONTARIO
Ottawa
Alfalfa Registration A
Seeded 1993

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	2748	2748
9053	CENTURION	2415	2415
1001	SARANAC	2540	2540
1278	91211	2386	2386
1279	91315	2541	2541
1280	91800	2422	2422
1284	ABI 9138C	3309	3309
1285	2J01	2770	2770
1287	4J19	2482	2482
1303	91795	3065	3065
1305	92809	2570	2570
1306	2J08	2563	2563
1311	PS 93-11	2865	2865
1312	PS 93-17	2932	2932
1313	PS 92-2ML	2415	2415
1315	PS 93-15	2696	2696
1318	CW-1312	2600	2600
1319	CW-1404	2888	2888
1322	91-12	3124	3124
9002	120	3102	3102
900	MEAN	2722	2722
901	CV	9.6	9.6
905	MCV	3.5	3.5
902	LSD	96.2	96.2
906	LSR	10.4	10.4
907	PR>F (TRTS)	0.000	0.000

ONTARIO
Ottawa
Alfalfa Registration B
Seeded 1993

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	3034	3034
9053	CENTURION	2827	2827
1001	SARANAC	2430	2430
1300	ABI9146	3082	3082
1301	ABI9227	2916	2916
1302	90-125HQ	2732	2732
1304	91804	2667	2667
1307	2J90	2851	2851
1308	3J04	2110	2110
1309	4J03	2211	2211
1310	4J14	3165	3165
1314	PS 91-1	3539	3539
1316	UGG-430	3088	3088
1317	UGG-450	2922	2922
1320	CW-1434	2898	2898
1321	90-124	2945	2945
1323	ABI 9145	3041	3041
1324	LSC907	3562	3562
1325	LSC9101	3977	3977
1326	A 8910	2937	2937
1327	A 9108	2175	2175
1328	4J10	2851	2851
1329	AS-K94	2673	2673
900	MEAN	2897	2897
901	CV	10.3	10.3
905	MCV	3.0	3.0
902	LSD	87.8	87.8
906	LSR	4.7	4.7
907	PR>F (TRTS)	0.000	0.000

ONTARIO
Ottawa
Alfalfa Registration C
Seeded 1993

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Total
1074	ARROW	2584	2584
1001	SARANAC	2625	2625
1269	90-135	2418	2418
1271	A8911	2736	2736
1273	A9102	2325	2325
1275	VS 9034	2617	2617
1277	VS 9050	2086	2086
1281	NY8814	2448	2448
1283	DOMINATOR	2467	2467
1288	C-3110	2386	2386
1290	SL 9207	3092	3092
1292	ALFAGRAZE	2821	2821
1294	ABI 9129C	2986	2986
1297	XAL 06	3048	3048
9002	120	2729	2729
900	MEAN	2625	2625
901	CV	12.8	12.8
905	MCV	4.7	4.7
902	LSD	123.7	123.7
906	LSR	12.3	12.3
907	PR>F (TRTS)	0.005	0.005

PERSISTENCE NOTES

ONTARIO

Ottawa

Alfalfa Registration A

Seeded 1995

Code	Cultivar	1997	% checks
		(kg/ha) Cut 1	
1074	ARROW	3743	
9053	CENTURION	3637	
1001	SARANAC	3752	
1331	3B37	3719	100.8
1343	PS94-02	3423	92.8
1344	PS94-03	3836	104.0
1345	PS94-04	3624	98.2
1346	PS94-05	3718	100.8
1354	4J12	3567	96.7
1355	CW 1005	3832	103.8
1356	CW 1351	3441	93.3
1357	CW 1436	3655	99.1
1358	CW 2040	3291	89.2
1359	CW 2043	3977	107.8
1364	92W02PM1	3712	100.6
1365	RUSHMORE	3712	100.6
1378	B44	3483	94.4
1379	CIBA 2888	4029	109.2
1386	CW 2353	3481	94.3
1400	YAL 47	3769	102.1
1404	93-136	4164	112.8
9002	120	3063	
900	MEAN	3665	
901	CV	11.0	
905	MCV	3.3	
902	LSD	121.8	
906	LSR	11.1	
907	PR>F (TRTS)	0.123	

PERSISTENCE NOTES

ONTARIO

Ottawa

Alfalfa Registration B

Seeded 1995

Code	Cultivar	1997	% checks
		(kg/ha) Cut 1	
1074	ARROW	3652	
9053	CENTURION	3901	
1001	SARANAC	4206	
1098	MAGNUM III	4094	108.4
1375	ABT 205	3490	92.4
1376	ABT 405	3297	87.3
1377	SUPERCUTS	3792	100.4
1380	C-3220	3951	104.6
1381	3T44	3344	88.5
1382	ALPHA 2001	3716	98.4
1383	MS95-06	4110	108.8
1384	MS95-07	4587	121.5
1385	NY9012	4446	117.7
1387	CW-2360	3825	101.3
1388	CW-3408	3818	101.1
1389	CW-3414	4041	107.0
1390	CW-3347	3599	95.3
1402	DS9311	3817	101.1
1403	92-31	3977	105.3
1405	93-110	3842	101.7
1406	PSC 10222	3507	92.9
9002	120	3520	
900	MEAN	3842	
901	CV	13.9	
905	MCV	4.9	
902	LSD	188.0	
906	LSR	14.6	
907	PR>F (TRTS)	0.359	

PERSISTENCE NOTES

ONTARIO

Ottawa

Alfalfa Registration C

Seeded 1995

Code	Cultivar	1997	% checks
		(kg/ha) Cut 1	
1074	ARROW	3515	
9053	CENTURION	3773	
1001	SARANAC	3135	
1332	FG2B08	3451	94.7
1333	FG3B16	3416	93.7
1334	FG3B19	3182	87.3
1335	FG3B21	3625	99.5
1336	FG3B27	3216	88.3
1337	C-3236	3685	101.1
1338	3B29	3208	88.0
1339	ABI-9236	4042	110.9
1340	ABI-923AA	3903	107.1
1353	92-132	3547	97.3
1391	ABI 9231	3494	95.9
1392	ABI ZG9445	3634	99.7
1393	A9201	3608	99.0
1394	A9203	3633	99.7
1395	PS95-01	3374	92.6
1396	PS95-02	3597	98.7
1397	PS95-03	3531	96.9
1398	PS95-04	3134	86.0
1399	PS95-05	3198	87.8
9002	120	3131	
900	MEAN	3480	
901	CV	10.0	
905	MCV	3.4	
902	LSD	119.3	
906	LSR	13.1	
907	PR>F (TRTS)	0.091	

PERSISTENCE NOTES

ONTARIO

Ottawa

Alfalfa Registration D

Seeded 1995

Code	Cultivar	1997	% checks
		(kg/ha) Cut 1	
1074	ARROW	3149	
9053	CENTURION	3690	
1001	SARANAC	3247	
1330	EVOLUTION	3168	92.6
1341	TOTAL	3449	100.9
1342	PS94-01	3110	90.9
1348	MULTI-GEM	3012	88.1
1349	PSC 10939	3429	100.3
1350	PSC 10238	3247	95.0
1351	PSC 10235	3325	97.2
1352	90-119	3390	99.1
1360	MAGNUM III-WET	3280	95.9
1361	DS 9410	3905	114.2
1362	MAGNAGRAZE	3397	99.3
1366	GREEN FIELD	3403	99.5
1367	616	3234	94.6
1368	UGG510	3547	103.7
1369	UGG520	3188	93.2
1370	UGG530	3495	102.2
1371	E871	3847	112.5
1372	A9010	3514	102.8
1373	A9107	3325	97.2
1374	ABI9234	3462	101.2
900	MEAN	3383	
901	CV	10.5	
905	MCV	3.1	
902	LSD	104.6	
906	LSR	11.7	
907	PR>F (TRTS)	0.086	

ONTARIO

Elora

ONTARIO
 Elora
 Red Clover
 Expt. 2738
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
4017	FLOREX	6186	2552	8738
4034	PERSIST	7398	2767	10165
4036	ATLAS	6376	3139	9515
4055	WALTER	6384	3083	9468
4057	RAM	6116	2883	9000
4059	CONCORDE	6522	3316	9838
4079	AC_ENDURE	6580	2844	9424
900	MEAN	6509	2941	9450
901	CV	7.7	8.9	6.7
905	MCV	9.5	11.0	8.2
902	LSD	617.7	322.6	778.9
906	LSR	48.2	42.2	54.6
907	PR>F(TRTS)	0.0391	0.0128	0.0822

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Red Clover
 Expt. 9610
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
4017	FLOREX	5080	3332	8412
4034	PERSIST	6431	3241	9672
4036	ATLAS	5415	4165	9580
4055	WALTER	6058	3743	9801
4057	RAM	5110	3877	8987
4059	CONCORDE	4539	3583	8122
4079	AC_ENDURE	5168	4281	9449
900	MEAN	5400	3746	9146
901	CV	19.5	8.1	12.0
905	MCV	23.9	10.0	14.7
902	LSD	1288.9	374.3	1346.6
906	LSR	68.1	36.0	80.2
907	PR>F (TRTS)	0.2355	0.0008	0.2551

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Red Clover
 Expt. 7273
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
4017	FLOREX	3312	2802	6114
4034	PERSIST	3379	2484	5863
4036	ATLAS	3327	2906	6233
4055	WALTER	3246	2795	6042
4057	RAM	3041	2878	5919
4059	CONCORDE	3269	2818	6087
4079	AC_ENDURE	3124	2954	6079
900	MEAN	3242	2806	6048
901	CV	5.2	5.5	3.7
905	MCV	6.3	6.8	4.5
902	LSD	204.9	189.8	271.2
906	LSR	60.6	40.3	73.2
907	PR>F (TRTS)	0.1109	0.0110	0.3260

RCBD arrangement, 4 blocks {1234}

ONTARIO

Elora

White Clover with orchardgrass

Expt. 2718

Seeded 1995

Code	Cultivar	1997 (kg/ha)				Tot97	Tot96	2yrTot
		Cut 1	Cut 2	Cut 3	Cut 4			
8004	MERIT	1280	982	535	211	3008	5129	8137
8005	SACRAMENTO	1264	788	558	215	2824	4971	7795
8007	CAL_LADINO	1349	1214	508	229	3300	4994	8294
8010	CANOPY	1373	747	497	182	2798	4527	7325
8011	SONJA	1372	934	458	143	2907	4572	7478
8012	OSCEOLA	1327	796	511	225	2859	5303	8162
8013	SHASTA	1151	773	497	174	2595	4946	7541
8014	ALICE	1187	972	570	267	2996	4941	7938
8015	WHITE_DUTCH	1209	1116	606	266	3197	4741	7938
8016	CRISTAL	1342	1002	647	325	3316	5521	8837
8017	KOPU	1160	897	450	147	2654	4221	6875
8018	WILL	1200	910	655	321	3086	6218	9304
8019	CW-9300	1421	879	552	187	3038	4664	7703
8020	TOOMA	1382	847	486	130	2845	4901	7746
900	MEAN	1287	918	538	216	2959	4975	7934
901	CV	11.3	23.2	11.4	23.3	10.1	9.5	7.2
905	MCV	13.6	27.9	13.7	27.9	12.1	11.3	8.6
902	LSD	175.2	256.0	73.6	60.3	359.2	564.6	682.5
906	LSR	65.0	54.7	36.0	30.8	49.8	28.3	28.1
907	PR>F (TRTS)	0.1361	0.1404	0.0002	0.0000	0.0340	0.0002	0.0001

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 White Clover with orchardgrass
 Expt. 9508
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
8004	MERIT	3727	1560	5288
8005	SACRAMENTO	3201	1226	4426
8007	CAL_LADINO	3360	1132	4491
8010	CANOPY	2950	1136	4086
8011	SONJA	3837	1155	4992
8012	OSCEOLA	3179	1074	4253
8013	SHASTA	3320	1188	4509
8014	ALICE	3565	1507	5072
8015	WHITE_DUTCH	3459	1224	4683
8016	CRISTAL	3616	1212	4828
8017	KOPU	3329	916	4245
8018	WILL	3702	1343	5045
8019	CW-9300	3475	1127	4603
8020	TOOMA	3605	1235	4840
900	MEAN	3452	1217	4669
901	CV	12.7	20.9	11.4
905	MCV	15.2	25.1	13.7
902	LSD	526.2	305.2	637.7
906	LSR	59.3	47.3	53.1
907	PR>F (TRTS)	0.2841	0.1012	0.0768

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 White Clover with orchardgrass
 Expt. 9612
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
8005	SACRAMENTO	4365	1660	6025
8007	CAL_LADINO	4921	1552	6473
8010	CANOPY	4705	1574	6279
8012	OSCEOLA	4538	1715	6253
8013	SHASTA	4678	1710	6388
8014	ALICE	4369	1794	6163
8015	WHITE_DUTCH	4166	1514	5680
8019	CW-9300	4717	1393	6110
8020	TOOMA	4951	1820	6771
900	MEAN	4601	1637	6238
901	CV	11.2	17.7	8.8
905	MCV	13.5	21.5	10.7
902	LSD	621.0	351.2	665.2
906	LSR	79.1	82.3	61.0
907	PR>F(TRTS)	0.4232	0.5155	0.3248

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 White Clover with orchardgrass
 Expt. 7272
 Seeded 1996

Code	Cultivar	1997 (kg/ha)			Tot97
		Cut 1	Cut 2	Cut 3	
8005	SACRAMENTO	1879	2161	1290	5330
8007	CAL_LADINO	1715	2145	1263	5123
8010	CANOPY	1685	2170	1171	5026
8012	OSCEOLA	1761	2199	1150	5110
8013	SHASTA	1746	2251	1233	5230
8014	ALICE	1871	2155	894	4919
8015	WHITE_DUTCH	1735	2048	841	4624
8019	CW-9300	1737	2248	1064	5048
8020	TOOMA	2233	2224	933	5390
900	MEAN	1818	2178	1093	5089
901	CV	12.3	8.1	16.1	9.1
905	MCV	14.8	9.8	19.5	11.0
902	LSD	269.5	214.4	213.3	558.2
906	LSR	49.2	105.7	47.6	72.8
907	PR>F (TRTS)	0.0542	0.8419	0.0067	0.4695

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Trefoil with timothy
 Expt. 9407
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
7001	LEO	6398	3630	10028
7003	EMPIRE	6242	2914	9155
7008	DAWN	6433	3660	10093
7034	BULL	6801	3880	10681
7038	WELLINGTON	7134	3580	10714
7039	01-1984-2	7091	3721	10812
900	MEAN	6683	3564	10247
901	CV	5.0	11.0	3.6
905	MCV	6.2	13.6	4.4
902	LSD	412.0	483.8	455.8
906	LSR	46.2	50.1	27.5
907	PR>F (TRTS)	0.0057	0.0475	0.0001

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Trefoil with timothy
 Expt. 6525
 Seeded 1994

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
DAWN	7008	2893	1188	4081
EMPIRE	7003	2596	1406	4002
01-1984-02	7039	2600	1297	3897
BULL	7034	2487	1099	3586
LEO	7001	2385	1083	3468
01-1984-01	7038	2419	932	3351
MEAN	900	2490	1105	3595
CV	901	9.9	16.5	9.1
MCV	905	14.4	23.8	13.0
LSD	902	358	263	469
LSR	906	42.7	50.7	41.2
PR>F(TRTS)	907	*	*	**
RCBD arrangement, 4 blocks				

ONTARIO
 Thunder Bay
 Trefoil with timothy
 Expt. 7252
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
7001	LEO	3072	2522	5593	4686	10280
7003	EMPIRE	2931	2610	5541	5028	10569
7008	DAWN	3205	2646	5851	4629	10480
7031	OAC_BRIGHT	3288	2569	5857	4739	10596
7034	BULL	3176	2733	5910	4803	10712
7038	WELLINGTON	3064	2654	5718	4660	10379
7039	01-1984-2	3360	2809	6169	4853	11022
900	MEAN	3157	2649	5806	4771	10577
901	CV	6.6	7.1	5.2	4.7	3.9
905	MCV	8.1	8.7	6.3	5.8	4.8
902	LSD	255.6	231.2	367.0	274.4	507.1
906	LSR	59.5	80.4	58.4	68.7	68.3
907	PR>F (TRTS)	0.1245	0.4183	0.1163	0.2260	0.2747

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Trefoil with timothy
 Expt. 6578
 Seeded 1995

Cultivar	Code	Cut 1	1997 (kg/ha)		Tot97
			Cut 2		
01-1984-2	7039	3329	1957		5286
DAWN	7008	3379	1895		5274
01-1984-1	7038	3372	1888		5260
BULL	7034	3547	1556		5103
LEO	7001	3386	1482		4868
RC4SYN2	7031	3252	1572		4824
EMPIRE	7003	3154	1639		4793
MEAN	900	3346	1713		5058
CV	901	13.7	13.8		10.4
MCV	905	20.3	20.4		15.4
LSD	902	679	350		777
LSR	906	172.8	73.7		157.6
PR>F (TRTS)	907	ns	*		ns
RCBD arrangement, 4 blocks					

ONTARIO
 New Liskeard
 Trefoil with timothy
 Expt. 9611
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
7001	LEO	6859	5604	12464
7003	EMPIRE	6205	5670	11875
7028	FERGUS	6335	5481	11816
7034	BULL	6785	5799	12585
7038	WELLINGTON	6711	5833	12545
7039	01-1984-2	6764	5956	12720
900	MEAN	6610	5724	12334
901	CV	7.2	7.9	5.6
905	MCV	8.9	9.8	7.0
902	LSD	586.6	563.3	857.6
906	LSR	89.7	118.6	94.9
907	PR>F (TRTS)	0.3126	0.7218	0.3327

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Trefoil with timothy
 Expt. 7270
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
7001	LEO	3299	3582	6881
7003	EMPIRE	3599	3444	7043
7028	FERGUS	3243	3666	6909
7034	BULL	3292	3783	7075
7038	WELLINGTON	3238	3980	7218
7039	01-1984-2	3269	3736	7005
900	MEAN	3323	3698	7022
901	CV	8.2	6.3	4.6
905	MCV	10.1	7.8	5.8
902	LSD	335.8	288.5	403.8
906	LSR	93.0	53.8	120.0
907	PR>F (TRTS)	0.4369	0.0801	0.7289

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Trefoil
 Expt. 6525
 Seeded 1994

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
DAWN	7008	2634	1048	3682
01-1984-01	7038	2582	1086	3668
EMPIRE	7003	2559	1052	3611
BULL	7034	2352	1149	3501
01-1984-02	7039	2317	1028	3345
LEO	7001	2055	887	2942
MEAN	900	2490	1105	3595
CV	901	9.9	16.5	9.1
MCV	905	14.4	23.8	13.0
LSD	902	358	263	469
LSR	906	42.7	50.7	41.2
PR>F (TRTS)	907	*	*	**

RCBD arrangement, 4 blocks

ONTARIO
 Thunder Bay
 Trefoil
 Expt. 7251
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
7001	LEO	3669	2629	6299	4450	10749
7003	EMPIRE	4302	2848	7150	4600	11750
7034	BULL	4510	2851	7361	4646	12008
7038	WELLINGTON	3702	3026	6728	4513	11242
7039	01-1984-2	4228	2837	7065	4477	11542
900	MEAN	4083	2838	6921	4537	11458
901	CV	6.6	7.1	6.0	6.6	4.8
905	MCV	8.3	9.0	7.6	8.3	6.0
902	LSD	337.8	254.8	525.9	374.6	686.5
906	LSR	40.2	64.2	49.5	191.0	54.5
907	PR>F (TRTS)	0.0025	0.1684	0.0281	0.8643	0.0533

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Trefoil
 Expt. 6577
 Seeded 1995

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
BULL	7034	3499	1479	4978
01-1984-2	7039	3325	1402	4727
EMPIRE	7003	3137	1344	4481
01-1984-1	7038	3117	1281	4398
LEO	7011	3042	964	4006
MEAN	900	3224	1294	4518
CV	901	9.1	9.3	7.1
MCV	905	14.0	14.3	10.9
LSD	902	452	185	493
LSR	906	98.9	35.9	50.7
PR>F (TRTS)	907	ns	**	*

RCBD arrangement, 4 blocks

ONTARIO
 Kapuskasing
 Timothy
 Expt. 6132
 Seeded 1993

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
SF8307A	6128	3764	1806	5570
TIMFOR	6040	3439	1933	5372
SF8601	6129	3365	1970	5335
PXTI-11	6132	3289	1665	4954
TM8601	6123	3180	1745	4925
JONATAN	6133	3511	1382	4893
RVP03	6122	3318	1557	4875
SF8605	6130	2959	1793	4752
PXTI-08	6131	3142	1590	4732
T 120	6121	3340	1373	4713
HT31	6124	2944	1431	4375
CLIMAX	6002	2750	1593	4343
PXTI-04	6125	3066	1272	4338
PXTF-06	6127	2671	1654	4325
PXTI-20	6126	2809	1069	3878
MEAN	900	3170	1589	4759
CV	901	8.5	12.9	8.1
MCV	905	12.1	18.4	11.5
LSD	902	384	293	547
LSR	906	35.1	32.5	32.3
PR>F (TRTS)	907	**	**	**

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Early Timothy
 Expt. 2707
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	Tot95	3yrTot
		Cut 1	Cut 2				
6005	CHAMP	3140	2960	6100	4489	7490	18080
6009	BASHO	3292	2838	6130	4478	8099	18707
6030	TORO	3917	2446	6363	4865	7994	19222
6040	TIMFOR	3205	3078	6283	4568	8079	18929
6050	RICHMOND	4016	2683	6699	4668	8059	19425
6074	GLENMORE	2972	2638	5610	4306	7527	17444
6087	NIKE	3518	2903	6421	4496	7488	18405
6117	AXEL	3405	2738	6142	5072	7556	18771
6123	COLT	3832	2805	6637	4870	7626	19133
6128	SF8307A	3037	2818	5855	4254	7257	17366
6129	SF8601	2987	3048	6035	4385	6779	17199
6130	SF8605	3201	3026	6227	4476	7519	18222
6131	PXTI-08	3128	2985	6113	4272	8006	18391
6132	PXTI-11	3180	2770	5949	4791	7697	18438
900	MEAN	3345	2838	6183	4571	7655	18409
901	CV	10.3	10.4	6.9	8.0	14.3	6.0
905	MCV	14.3	14.5	9.6	11.2	19.9	8.4
902	LSD	479.5	410.9	594.7	512.3	1521.7	1549.9
906	LSR	45.9	65.1	54.7	62.6	115.3	69.7
907	PR>F (TRTS)	0.0075	0.4082	0.2274	0.2337	0.9744	0.3454

RCBD arrangement, 3 blocks {234}

ONTARIO
 Kapuskasing
 Early Timothy
 Expt. 6135
 Seeded 1994

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
RICHMOND	6050	3247	1315	4562
SF8307A	6128	3366	1179	4545
TM8601	6123	3222	1310	4532
PXTI-11	6132	2997	1429	4426
TIMFOR	6040	3122	1238	4360
BASHO	6009	2964	1250	4214
AXEL	6117	2803	1406	4209
GLENMOR	6074	2985	1202	4187
CHAMP	6005	2852	1291	4143
SF8601	6129	2805	1302	4107
NIKE	6087	2830	1277	4107
PXTI-08	6131	2900	1196	4096
TORO	6030	2775	1231	4006
SF8605	6130	2725	1224	3949
MEAN	900	2971	1275	4246
CV	901	9.4	13.1	8.7
MCV	905	13.4	18.7	12.4
LSD	902	398	239	525
LSR	906	62.1	95.6	85.6
PR>F (TRTS)	907	*	ns	ns

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Early Timothy
 Expt. 2721
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
6005	CHAMP	2947	3204	6151	6351	12502
6009	BASHO	2955	2489	5444	5956	11400
6030	TORO	3236	3078	6314	6456	12770
6040	TIMFOR	2510	2964	5474	5012	10487
6050	RICHMOND	3364	3091	6454	6633	13087
6074	GLENMORE	2037	2776	4813	4816	9629
6087	NIKE	2892	2317	5209	5454	10663
6123	COLT	3245	3334	6579	5778	12357
6128	SF8307A	2549	2808	5356	5393	10749
6129	SF8601	2744	2885	5629	5660	11289
6130	SF8605	2717	2960	5678	5688	11365
6134	TM_8901	2928	2908	5836	6648	12483
900	MEAN	2844	2901	5745	5820	11565
901	CV	11.8	11.5	8.1	6.1	5.3
905	MCV	14.2	13.8	9.7	7.3	6.4
902	LSD	403.5	399.3	559.3	427.4	740.7
906	LSR	30.4	39.3	31.7	23.3	21.4
907	PR>F (TRTS)	0.0002	0.0085	0.0001	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Ottawa
 Early Timothy
 Seeded 1995

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Tot97
6005	CHAMP	4451	4451
6009	BASHO	4582	4582
6030	TORO	4432	4432
6040	TIMFOR	4245	4245
6050	RICHMOND	4691	4691
6074	GLENMOR	4006	4006
6087	NIKE	4097	4097
6123	TM8601	4313	4313
6128	SF8307A	4163	4163
6129	SF8601	3871	3871
6130	SF8605	4143	4143
6134	TM 8901	4656	4656
900	MEAN	4304	4304
901	CV	9.1	9.1
905	MCV	3.8	3.8
902	LSD	163.0	163.0
906	LSR	19.9	19.9
907	PR>F (TRTS)	0.096	0.096

ONTARIO
 Thunder Bay
 Early Timothy
 Expt. 7253
 Seeded 1995

Code	Cultivar	1997 (kg/ha)			Tot96	2yrTot
		Cut 1	Cut 2	Tot97		
6005	CHAMP	2837	842	3679	6775	10454
6009	BASHO	2706	868	3573	6677	10250
6030	TORO	2605	845	3450	6121	9571
6040	TIMFOR	3049	713	3763	6726	10488
6050	RICHMOND	2865	790	3655	6204	9859
6074	GLENMORE	2317	706	3024	6085	9109
6087	NIKE	2911	626	3538	6449	9987
6123	COLT	2685	906	3590	6588	10178
6128	SF8307A	3098	739	3837	6298	10135
6129	SF8601	2464	721	3185	6233	9418
6130	SF8605	2602	845	3446	5975	9422
6134	TM_8901	2732	813	3546	6750	10296
900	MEAN	2739	784	3524	6407	9931
901	CV	8.4	18.1	8.7	5.3	5.3
905	MCV	10.1	21.8	10.5	6.3	6.4
902	LSD	275.5	170.8	368.5	404.3	635.9
906	LSR	35.3	61.2	45.3	50.6	46.1
907	PR>F (TRTS)	0.0011	0.2405	0.0366	0.0082	0.0084

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Early Timothy
 Expt. 6136
 Seeded 1995

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
SF8605	6130	3297	1992	5289
CHAMP	6005	2876	2173	5049
RICHMOND	6050	3009	1914	4923
SF8307A	6128	2998	1724	4722
TM 8901	6134	2996	1645	4641
NIKE	6087	2963	1650	4613
TORO	6030	2483	2111	4594
BASHO	6009	2762	1815	4577
TIMFOR	6040	2932	1484	4416
TM8601	6123	2631	1679	4310
SF8601	6129	2383	1663	4046
GLENMOR	6074	2234	1376	3610
MEAN	900	2797	1769	4566
CV	901	10.8	10.9	7.9
MCV	905	15.4	15.7	11.3
LSD	902	432	277	517
LSR	906	40.6	34.8	30.8
PR>F (TRTS)	907	**	**	**

RCBD arrangement, 4 blocks

ONTARIO

Elora

Early Timothy

Expt. 2732

Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
6005	CHAMP	2658	1898	4557
6009	BASHO	2945	1899	4844
6030	TORO	2687	2038	4726
6040	TIMFOR	2763	2253	5016
6050	RICHMOND	3227	2194	5421
6074	GLENMORE	2191	1703	3894
6087	NIKE	2394	1830	4223
6123	COLT	2731	2250	4980
6128	SF8307A	2628	2076	4703
6130	SF8605	2276	1992	4268
6134	TM_8901	2698	1916	4614
6137	LISCHKA	2384	1764	4148
900	MEAN	2632	1984	4616
901	CV	10.9	20.1	13.8
905	MCV	13.1	24.1	16.6
902	LSD	345.4	478.4	766.1
906	LSR	33.3	87.0	50.2
907	PR>F (TRTS)	0.0009	0.6007	0.0917

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Early Timothy
 Expt. 7264
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
6005	CHAMP	2281	1929	4210
6009	BASHO	2760	1696	4456
6030	TORO	2372	1877	4249
6040	TIMFOR	2857	1767	4624
6050	RICHMOND	2545	1700	4245
6074	GLENMORE	2008	1722	3730
6087	NIKE	2401	1577	3978
6123	COLT	1731	2068	3799
6128	SF8307A	2587	1773	4361
6130	SF8605 <i>dropped</i>	1631	888	2519
6134	TM_8901	2303	1694	3997
6137	LISCHKA	2656	1802	4458
900	MEAN	2344	1708	4052
901	CV	10.9	11.0	8.0
905	MCV	13.1	13.2	9.6
902	LSD	307.6	226.0	389.9
906	LSR	25.1	19.1	18.5
907	PR>F (TRTS)	0.0000	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Early Timothy
 Expt. 6140
 Seeded 1996

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
SF8307A	6128	3415	3132	6547
TIMFOR	6040	3139	3344	6483
BASHO	6009	3125	3295	6420
TORO	6030	2999	3461	6160
CHAMP	6005	3285	3443	6728
RICHMOND	6050	3178	3200	6378
LISCHKA	6137	2737	3254	5991
COLT	6123	2788	3194	5982
SF8605	6130	2612	3253	5865
TM8901	6134	2615	3069	5684
NIKE	6087	2747	2776	5523
GLENMOR	6074	2415	2618	5033
MEAN	900	2921	3170	6091
CV	901	9.7	10.3	8.2
MCV	905	16.4	17.5	13.8
LSD	902	479	554	843
LSR	906	47.9	65.7	49.7
PR>F (TRTS)	907	**	ns	*

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Late Timothy
 Expt. 2722
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
6002	CLIMAX	3704	2381	6085	6430	12515
6026	ITASCA	4021	2748	6769	6956	13725
6066	NORMAX	4058	2672	6730	6706	13436
6075	WINMOR	3382	2621	6002	6380	12382
6081	MARIPOSA	4229	2710	6939	7655	14593
6086	ALEXANDER	4170	3112	7282	6935	14217
6093	81009	3661	2582	6243	6216	12459
6095	ARGUS	3393	1882	5275	4424	9698
6097	CAROLA	3782	1909	5690	7257	12948
6116	SAGUENAY	4161	2683	6844	7393	14238
6121	T120	3966	2210	6176	6656	12832
6122	RVP03	3730	2937	6667	7122	13789
6124	HT_31	3500	2290	5790	6260	12050
6133	JONATHAN	3623	1724	5347	5850	11198
6135	TIA	3524	2062	5586	6268	11854
6136	TM8902	4222	3395	7617	7677	15294
900	MEAN	3820	2495	6315	6637	12952
901	CV	11.7	15.8	10.5	7.8	7.2
905	MCV	13.9	18.9	12.5	9.3	8.6
902	LSD	531.8	470.4	787.5	619.7	1114.6
906	LSR	62.8	28.2	33.6	19.1	19.9
907	PR>F (TRTS)	0.0671	0.0000	0.0001	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Ottawa
 Late Timothy
 Seeded 1995

Code	Cultivar	1997 (kg/ha)
		Cut 1
6002	CLIMAX	4353
6026	ITASCA	4275
6066	NORMAX	4856
6075	WINMOR	4210
6081	MARIPOSA	4533
6086	ALEXANDER	4789
6093	81009	4019
6095	ARGUS	4518
6097	CAROLA	4447
6116	SV8505	4632
6121	T120	4728
6122	RVP03	4147
6124	HT-31	3826
6133	JONATHAN	4314
6135	TIA	4046
6136	TM 8902	4605
900	MEAN	4393
901	CV	6.6
905	MCV	2.8
902	LSD	121.8
906	LSR	11.8
907	PR>F (TRTS)	0.004

ONTARIO
 Thunder Bay
 Late Timothy
 Expt. 7256
 Seeded 1995

Code	Cultivar	1997 (kg/ha)			
		Cut 1	Tot97	Tot96	2yrTot
6002	CLIMAX	2586	2586	5956	8542
6026	ITASCA	3073	3073	6134	9207
6066	NORMAX	2781	2781	6342	9123
6075	WINMOR	2565	2565	6081	8646
6081	MARIPOSA	2698	2698	6220	8918
6086	ALEXANDER	2841	2841	6265	9106
6093	81009	2678	2678	5630	8308
6095	ARGUS	2827	2827	6281	9108
6097	CAROLA	3120	3120	6039	9159
6116	SAGUENAY	2924	2924	6541	9466
6121	T120	2947	2947	6487	9434
6122	RVP03	3013	3013	5645	8658
6124	HT_31	2452	2452	5380	7832
6133	JONATHAN	2713	2713	5739	8451
6135	TIA	2375	2375	5763	8139
6136	TM8902	2888	2888	6319	9207
900	MEAN	2780	2780	6051	8831
901	CV	8.8	8.8	5.8	5.4
905	MCV	10.5	10.5	6.9	6.4
902	LSD	291.8	291.8	419.0	565.5
906	LSR	39.2	39.2	36.1	34.6
907	PR>F (TRTS)	0.0017	0.0017	0.0004	0.0001

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Late Timothy
 Expt. 6137
 Seeded 1995

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
ITASCA	6026	3730	2250	5980
NORMAX	6066	3304	2165	5469
ARGUS	6095	3602	1817	5419
TM 8902	6136	3335	2001	5336
T120	6121	3360	1963	5323
SV8505	6116	3523	1656	5179
TIA	6135	3517	1638	5155
ALEXANDER	6086	3286	1854	5140
CAROLA	6097	3275	1717	4992
WINMOR	6075	2996	1969	4965
JONATHAN	6133	3663	1276	4939
MARIPOSA	6081	3146	1756	4902
CLIMAX	6002	3003	1635	4638
81009	6093	3021	1579	4600
RVP03	6122	3079	1442	4521
HT-31	6124	2932	1335	4267
MEAN	900	3298	1753	5052
CV	901	10.6	13.2	9.6
MCV	905	15.0	18.8	13.6
LSD	902	496	330	689
LSR	906	62.2	33.9	40.2
PR>F (TRTS)	907	*	**	**

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Late Timothy
 Expt. 2739
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
6002	CLIMAX	2940	1353	4293
6026	ITASCA	3155	1419	4574
6066	NORMAX	3613	1901	5514
6075	WINMOR	2989	1375	4364
6081	MARIPOSA	3764	1622	5386
6086	ALEXANDER	3695	1483	5178
6093	81009	2853	1224	4077
6095	ARGUS	3122	1137	4259
6097	CAROLA	3219	1177	4396
6116	SAGUENAY	3461	1298	4760
6121	T120	3158	994	4152
6122	RVP03	3079	1149	4228
6124	HT_31	2552	1240	3793
6129	SF8601	3320	1425	4745
6133	JONATHAN	2783	1023	3806
6135	TIA	3352	1189	4540
6136	TM8902	3715	1659	5374
6138	AURORA	3522	1538	5059
6139	VEGA	2954	876	3830
900	MEAN	3223	1320	4544
901	CV	8.5	14.5	8.4
905	MCV	10.1	17.2	10.0
902	LSD	324.5	227.6	452.5
906	LSR	26.8	22.2	26.3
907	PR>F (TRTS)	0.0000	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Late Timothy
 Expt. 7265
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
6002	CLIMAX	3312	1246	4558
6026	ITASCA	3976	1480	5456
6066	NORMAX	3451	1692	5143
6075	WINMOR	3193	1182	4375
6081	MARIPOSA	3354	1206	4561
6086	ALEXANDER	3274	1188	4462
6093	81009	3194	1283	4478
6095	ARGUS	3029	1434	4463
6097	CAROLA	3159	1186	4345
6116	SAGUENAY	3134	1385	4519
6121	T120	2788	1201	3989
6122	RVP03 <i>dropped.</i>	1592	624	2215
6124	HT_31	2900	1172	4072
6129	SF8601	2930	1421	4352
6133	JONATHAN	2894	801	3695
6135	TIA	2905	931	3836
6136	TM8902	3288	1627	4916
6138	AURORA	3096	1356	4451
6139	VEGA	3418	662	4080
900	MEAN	3099	1215	4314
901	CV	9.7	17.6	10.6
905	MCV	13.5	24.3	14.7
902	LSD	418.3	295.5	634.7
906	LSR	17.5	27.7	19.6
907	PR>F (TRTS)	0.0000	0.0000	0.0000

RCBD arrangement, 3 blocks {123}

ONTARIO
 Kapuskasing
 Late Timothy
 Expt. 6141
 Seeded 1996

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
ITASCA	6026	4089	2572	6661
TM8902	6136	3378	2747	6125
MARIPOSA	6081	3757	2598	6355
SF8601	6129	3035	3158	6193
NORMAX	6066	3328	2959	6287
SAQUENAY	6116	3912	2450	6362
T120	6121	3864	2496	6360
VEGA	6139	4529	1790	6319
AURORA	6138	3220	2768	5988
ALEXANDER	6086	3393	2344	5737
JONATHAN	6133	4223	1515	5738
CAROLA	6097	3312	2054	5366
ARGUS	6095	3931	2381	6312
CLIMAX	6002	3213	2339	5552
WINMOR	6075	3256	2261	5517
TIA	6135	3265	1989	5254
81009	6093	3103	2071	5174
RVP03	6122	2761	2375	5136
HT31	6124	2516	2168	4684
MEAN	900	3478	2370	5848
CV	901	10.9	9.7	9.3
MCV	905	18.1	16.1	15.5
LSD	902	628	382	908
LSR	906	31.2	23.3	45.9
PR>F (TRTS)	907	**	**	**

RCBD arrangement, 4 blocks

ONTARIO
Kapusksasing
Orchardgrass
Expt. 6154
Seeded 1993

Cultivar	Code	1997 (kg/ha)			Tot97
		Cut 1	Cut 2	Cut 3	
OG8705	3086	1534	2740	1732	6006
DS-7	3072	1528	2670	1755	5953
KAY	3003	2092	2319	1527	5938
OKAY	3079	1937	2423	1497	5857
PXOF-21	3088	1634	2532	1633	5799
NAPIER	3009	1401	2431	1865	5697
ARTIC	3091	2341	2293	1012	5646
PXOF-37	3089	1639	2445	1537	5621
RAPIDO	3066	1284	2688	1616	5588
BENCHMARK	3075	1470	2445	1667	5582
WEIBUL H94	3087	1974	2394	996	5364
MOBITE	3076	1046	2842	1466	5354
HALLMARK	3027	1149	2624	1498	5271
RANCHO	3069	1364	2304	1528	5196
JUNO	3001	1504	2162	1391	5057
MEAN	900	1593	2487	1515	5595
CV	901	12.5	8.7	9.9	5.1
MCV	905	17.8	12.4	14.1	7.3
LSD	902	283	308	214	410
LSR	906	21.9	45.3	24.6	43.2
PR>F (TRTS)	907	**	**	**	**

RCBD arrangement, 4 blocks

ONTARIO
 New Liskeard
 Orchardgrass
 Expt. 9506
 Seeded 1995

Code	Cultivar	1997 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot97
3001	JUNO	5090	2690	1803	9582
3003	KAY	5065	2091	1400	8556
3009	NAPIER	5076	3081	2216	10373
3066	RAPIDO	5146	2756	2007	9909
3069	RANCHO	5090	2801	1911	9802
3072	DS7	5091	2756	2050	9897
3074	JAY	4977	2594	1924	9495
3075	BENCHMARK	5268	2762	1688	9717
3076	MOBITE	4849	2430	1897	9176
3078	AC_SPLENDOR	5071	2574	1502	9147
3079	OKAY	5609	2401	1592	9602
3091	ARTIC	5116	2215	1346	8677
900	MEAN	5121	2596	1778	9494
901	CV	17.3	11.3	27.9	11.4
905	MCV	20.8	13.5	33.5	13.7
902	LSD	1065.8	350.6	595.8	1299.0
906	LSR	140.3	35.4	68.4	71.5
907	PR>F (TRTS)	0.9981	0.0024	0.3186	0.5137

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Orchardgrass
 Expt. 6155
 Seeded 1995

Cultivar	Code	1997 (kg/ha)			Tot97
		Cut 1	Cut 2	Cut 3	
KAY	3003	2258	3693	2031	7982
JAY	3074	2304	3577	1915	7796
NAPIER	3009	1602	3483	2648	7733
OKAY	3079	2202	3316	2091	7609
AC SPLENDOR	3078	1696	3810	1995	7501
ARTIC	3091	2426	3170	1875	7471
RAPIDO	3066	1379	3574	2472	7425
DS-7	3072	1645	3581	2187	7413
JUNO	3001	1554	3424	2292	7270
RANCHO	3069	1512	3501	2073	7086
BENCHMARK	3075	1436	3244	2083	6763
MOBITE	3076	1071	3748	1781	6600
MEAN	900	1757	3510	2120	7387
CV	901	8.7	9.1	11.6	6.6
MCV	905	12.5	13.1	16.7	9.4
LSD	902	220	461	354	697
LSR	906	16.2	72.0	40.8	50.4
PR>F (TRTS)	907	**	ns	**	*

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Orchardgrass
 Expt. 2729
 Seeded 1996

Code	Cultivar	1997 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot97
3001	JUNO	4046	774	1326	6147
3003	KAY	4127	866	1208	6201
3009	NAPIER	3665	943	1313	5922
3027	HALLMARK	3747	1130	1600	6477
3066	RAPIDO	4068	917	1474	6459
3072	DS7	3077	945	1462	5484
3074	JAY	2299	636	965	3901
3075	BENCHMARK	3820	982	1549	6351
3076	MOBITE	2791	1247	1469	5507
3078	AC_SPLENDOR	2591	799	1189	4578
3079	OKAY	3945	852	1282	6079
3093	BAR_H_DGL_05	3867	789	1517	6173
3094	OG9201	3771	832	1269	5872
3095	PS9001	4042	1022	1534	6598
3096	OG9401	2622	776	1104	4502
900	MEAN	3540	911	1375	5826
901	CV	9.5	15.6	13.1	8.1
905	MCV	11.4	18.7	15.8	9.8
902	LSD	402.8	170.2	217.5	569.6
906	LSR	22.0	27.9	37.2	21.1
907	PR>F (TRTS)	0.0013	0.0026	0.0080	0.0001

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Orchardgrass
 Expt. 8509
 Seeded 1996

Code	Cultivar	1997 (kg/ha)			Tot97
		Cut 1	Cut 2	Cut 3	
3001	JUNO	3913	2619	1558	8090
3003	KAY	3655	3136	1329	8119
3009	NAPIER	3730	3014	1933	8677
3027	HALLMARK	3305	3086	2085	8476
3066	RAPIDO	3237	3043	1654	7935
3072	DS7	3140	3223	1858	8221
3074	JAY	3581	2575	1646	7803
3075	BENCHMARK	3269	2961	1689	7919
3076	MOBITE	2302	3318	1341	6961
3078	AC_SPLENDOR	3215	3045	1550	7810
3079	OKAY	3208	3175	1420	7802
3093	BAR_H_DGL_05	2972	2775	1619	7365
3094	OG9201	3904	2722	2354	8980
3095	PS9001	3743	3098	1951	8792
3096	OG9401	3421	2291	1947	7659
900	MEAN	3373	2939	1729	8041
901	CV	14.1	14.9	22.7	10.1
905	MCV	16.8	17.7	27.0	12.0
902	LSD	567.9	521.6	467.0	965.6
906	LSR	35.3	50.8	45.5	47.8
907	PR>F (TRTS)	0.0028	0.0990	0.0270	0.0797

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Bromegrass
 Expt. 9302
 Seeded 1993

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	5115	2673	7788
2002	SARATOGA	5266	2968	8235
2024	TEMPO	5214	2855	8069
2027	BEACON	5601	2913	8514
2039	BRAVO	4934	2667	7601
2051	RADISSON	5652	2942	8594
2052	PXBD-28	5141	3020	8161
900	MEAN	5275	2863	8138
901	CV	8.7	14.0	9.7
905	MCV	10.6	17.1	11.9
902	LSD	560.3	490.2	970.3
906	LSR	78.0	138.8	97.7
907	PR>F(TRTS)	0.3004	0.8035	0.5665

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Lisheard
 Bromegrass
 Expt. 9409
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	7963	2929	10892
2002	SARATOGA	8769	3162	11931
2027	BEACON	7826	2871	10697
2039	BRAVO	7994	2906	10900
2051	RADISSON	7753	2802	10556
2053	GRASSLANDS_G	7441	2872	10313
2054	PADDOCK	7873	3218	11091
2055	COTTONWOOD	7756	2666	10422
900	MEAN	7922	2928	10850
901	CV	7.1	13.2	6.7
905	MCV	8.6	16.0	8.1
902	LSD	681.2	468.7	878.2
906	LSR	51.3	84.9	54.3
907	PR>F (TRTS)	0.1265	0.5352	0.1051

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Bromegrass
 Expt. 2719
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	2496	1658	4154
2002	SARATOGA	2919	2151	5070
2027	BEACON	2913	1712	4625
2039	BRAVO	2709	1685	4394
2051	RADISSON	2996	1844	4841
2053	GRASSLANDS_G	1430	881	2311
2054	PADDOCK	3595	1753	5348
2055	COTTONWOOD	2389	1528	3916
900	MEAN	2681	1651	4332
901	CV	7.6	13.8	7.4
905	MCV	9.2	16.8	8.9
902	LSD	247.7	277.8	387.7
906	LSR	11.4	21.9	12.8
907	PR>F (TRTS)	0.0000	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Ottawa
 Bromegrass
 Seeded 1995

Code	Cultivar	1997 (kg/ha)	Tot97
		Cut 1	
2001	BAYLOR	5602	5602
2002	SARATOGA	6068	6068
2027	BEACON	5982	5982
2039	BRAVO	5654	5654
2051	RADISSON	5922	5922
2054	PADDOCK	5128	5128
2055	COTTONWOOD	5028	5028
900	MEAN	5626	5626
901	CV	5.5	5.5
905	MCV	3.1	3.1
902	LSD	173.6	173.6
906	LSR	16.7	16.7
907	PR>F (TRTS)	0.000	0.000

ONTARIO
 New Liskeard
 Bromegrass
 Expt. 9505
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	4601	1870	6471
2002	SARATOGA	4788	2344	7132
2027	BEACON	4673	1837	6510
2039	BRAVO	6050	2568	8618
2051	RADISSON	4873	2370	7243
2053	GRASSLANDS_G	2249	2461	4710
2054	PADDOCK	5419	3187	8606
2055	COTTONWOOD	3815	1588	5404
900	MEAN	4559	2278	6837
901	CV	10.0	20.9	10.1
905	MCV	12.2	25.4	12.3
902	LSD	555.7	578.1	841.6
906	LSR	14.6	36.2	21.5
907	PR>F (TRTS)	0.0000	0.0033	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Bromegrass
 Expt. 7254
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
2001	BAYLOR	1532	1213	2744	4855	7599
2002	SARATOGA	1484	1271	2755	5618	8373
2027	BEACON	1157	1121	2278	5712	7990
2039	BRAVO	1380	1373	2754	5944	8698
2051	RADISSON	1459	1291	2749	5597	8347
2053	GRASSLANDS_G	626	698	1324	2822	4146
2054	PADDOCK	965	2185	3149	6592	9742
2055	COTTONWOOD	788	1319	2107	5185	7292
900	MEAN	1174	1309	2483	5291	7773
901	CV	19.2	13.8	9.8	7.7	6.1
905	MCV	23.4	16.8	12.0	9.4	7.4
902	LSD	274.3	220.1	296.8	497.3	574.8
906	LSR	30.3	14.8	16.3	13.2	10.3
907	PR>F (TRTS)	0.0000	0.0000	0.0000	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Bromegrass
 Expt. 2728
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	3243	1364	4606
2002	SARATOGA	3984	1735	5720
2027	BEACON	3222	1466	4688
2039	BRAVO	3997	1657	5654
2051	RADISSON	3376	1399	4775
2056	LEIF	3461	1431	4892
900	MEAN	3547	1509	5056
901	CV	9.5	11.9	9.2
905	MCV	11.8	14.8	11.4
902	LSD	417.5	223.3	576.3
906	LSR	53.9	60.1	51.8
907	PR>F (TRTS)	0.0113	0.0545	0.0098

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Bromegrass
 Expt. 9613
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	6595	4751	11346
2002	SARATOGA	6165	5843	12008
2027	BEACON	6648	4501	11149
2039	BRAVO	5524	5696	11220
2051	RADISSON	6566	5003	11569
2056	LEIF	5619	5220	10838
900	MEAN	6186	5169	11355
901	CV	5.5	7.7	4.0
905	MCV	6.8	9.5	5.0
902	LSD	420.9	493.3	562.3
906	LSR	37.4	36.8	48.1
907	PR>F (TRTS)	0.0005	0.0016	0.0400

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Bromegrass
 Expt. 7262
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
2001	BAYLOR	3229	2293	5522
2002	SARATOGA	3879	2611	6490
2027	BEACON	3285	2314	5599
2039	BRAVO	3851	2638	6489
2051	RADISSON	3275	2580	5855
2056	LEIF	3536	2449	5985
900	MEAN	3509	2481	5990
901	CV	6.2	8.8	5.6
905	MCV	7.6	10.9	7.0
902	LSD	268.1	270.5	417.5
906	LSR	41.2	78.3	43.1
907	PR>F (TRTS)	0.0011	0.1459	0.0026

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Reed Canarygrass
 Expt. 9301
 Seeded 1993

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
5011	VANTAGE	6499	2721	9220
5013	PALATON	6510	2685	9195
5016	VENTURE	6232	2392	8624
5017	BELLEVUE	6458	3005	9464
5018	LARA	7095	2543	9638
5019	EMPHASIS	5616	2426	8042
900	MEAN	6413	2643	9055
901	CV	11.7	5.8	8.7
905	MCV	14.5	7.2	10.7
902	LSD	931.5	191.0	971.9
906	LSR	63.0	31.1	60.9
907	PR>F (TRTS)	0.2136	0.0007	0.1030

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Reed Canarygrass
 Expt. 2710
 Seeded 1994

Code	Cultivar	1997 (kg/ha)			Tot96	Tot95	3yrTot
		Cut 1	Cut 2	Tot97			
5011	VANTAGE	2912	2168	5080	7237	10757	23073
5013	PALATON	3197	1975	5172	7888	9858	22918
5016	VENTURE	3109	1922	5031	7715	9340	22086
5018	LARA	2953	2047	5000	7621	10004	22624
5019	EMPHASIS	2839	1920	4759	4813	6418	15990
900	MEAN	3002	2006	5008	7055	9275	21338
901	CV	8.5	6.6	7.0	7.3	8.7	3.9
905	MCV	13.0	10.0	10.7	11.0	13.2	5.9
902	LSD	389.3	200.8	535.7	779.3	1228.7	1251.7
906	LSR	108.8	81.0	129.8	25.3	28.3	17.7
907	PR>F (TRTS)	0.4677	0.2114	0.6940	0.0006	0.0017	0.0001

RCBD arrangement, 3 blocks {234}

ONTARIO
 New Liskeard
 Reed Canarygrass
 Expt. 9408
 Seeded 1994

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
5011	VANTAGE	8854	4328	13182
5013	PALATON	9154	3799	12953
5016	VENTURE	9343	4078	13421
5018	LARA	8157	3995	12152
900	MEAN	8877	4050	12927
901	CV	7.1	6.0	6.5
905	MCV	9.2	7.8	8.4
902	LSD	820.8	315.6	1090.5
906	LSR	69.2	59.6	86.0
907	PR>F (TRTS)	0.1077	0.0741	0.2329

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Reed Canarygrass
 Expt. 6066
 Seeded 1994

Cultivar	Code	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
VANTAGE	5011	3890	2525	6415
PALATON	5013	3963	2332	6295
LARA	5018	3931	2252	6183
VENTURE	5016	3790	2172	5962
MEAN	900	3893	2320	6214
CV	901	7.1	6.8	5.6
MCV	905	11.4	10.8	9.0
LSD	902	444	251	558
LSR	906	256.6	71.1	123.2
PR>F (TRTS)	907	ns	ns	ns

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Reed Canarygrass
 Expt. 2720
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
5011	VANTAGE	2606	2416	5022	9699	14721
5013	PALATON	2566	2192	4758	8789	13548
5016	VENTURE	2198	1928	4126	8449	12575
5018	LARA	3156	2181	5337	9540	14876
5019	EMPHASIS	1316	1090	2405	4077	6482
900	MEAN	2368	1962	4330	8111	12441
901	CV	12.7	9.6	10.3	9.1	8.9
905	MCV	19.2	14.5	15.6	13.8	13.5
902	LSD	455.8	284.6	676.0	1117.4	1673.4
906	LSR	24.8	21.5	23.1	19.9	19.9
907	PR>F (TRTS)	0.0010	0.0003	0.0004	0.0001	0.0001

RCBD arrangement, 3 blocks {123}

ONTARIO
 Ottawa
 Reed Canarygrass
 Seeded 1995

Code	Cultivar	1997 (kg/ha)	
		Cut 1	Tot97
5011	VANTAGE	5138	5138
5013	PALATON	5290	5290
5016	VENTURE	4983	4983
5018	LARA	5194	5194
900	MEAN	5151	5151
901	CV	5.0	5.0
905	MCV	5.0	5.0
902	LSD	255.8	255.8
906	LSR	83.2	83.2
907	PR>F (TRTS)	ns	ns

ONTARIO
 New Liskeard
 Reed Canarygrass
 Expt. 9507
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
5011	VANTAGE	5822	5338	11160
5013	PALATON	5934	4984	10918
5016	VENTURE	6155	4909	11064
5018	LARA	5783	5301	11084
5019	EMPHASIS	3512	4390	7902
900	MEAN	5441	4984	10426
901	CV	13.5	9.4	8.7
905	MCV	17.1	11.9	11.0
902	LSD	928.3	593.3	1148.7
906	LSR	35.1	62.6	35.3
907	PR>F(TRTS)	0.0016	0.0865	0.0011

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Reed Canarygrass
 Expt. 7255
 Seeded 1995

Code	Cultivar	1997 (kg/ha)		Tot97	Tot96	2yrTot
		Cut 1	Cut 2			
5011	VANTAGE	2430	1617	4047	6597	10644
5013	PALATON	2153	1296	3450	6625	10074
5016	VENTURE	2078	1338	3416	6819	10235
5018	LARA	2200	1192	3392	6378	9770
5019	EMPHASIS	1108	680	1788	3302	5090
900	MEAN	1994	1225	3219	5944	9163
901	CV	9.1	13.0	9.6	3.9	4.9
905	MCV	11.5	16.3	12.1	5.0	6.1
902	LSD	229.3	200.2	389.6	295.1	563.5
906	LSR	17.3	21.4	17.2	8.4	10.1
907	PR>F (TRTS)	0.0000	0.0001	0.0000	0.0000	0.0000

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kapuskasing
 Reed Canarygrass
 Expt. 6067
 Seeded 1995

Cultivar	Code	Cut 1	1997 (kg/ha)		Tot97
			Cut 2		
VANTAGE	5011	2942	3226		6168
LARA	5018	2802	2809		5611
PALATON	5013	2793	2797		5590
VENTURE	5016	2560	2902		5462
MEAN	900	2774	2933		5708
CV	901	5.8	6.6		3.4
MCV	905	9.3	10.6		5.4
LSD	902	257	310		310
LSR	906	67.3	72.3		43.9
PR>F (TRTS)	907	*	*		**

RCBD arrangement, 4 blocks

ONTARIO
 Elora
 Reed Canarygrass
 Expt. 2730
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
5011	VANTAGE	3413	1870	5284
5013	PALATON	3001	1624	4626
5016	VENTURE	3118	1503	4622
5023	ASRCG-96	2835	1587	4422
5024	VASR8401	2037	1358	3395
900	MEAN	2881	1589	4470
901	CV	10.9	10.5	9.9
905	MCV	16.6	16.0	15.1
902	LSD	477.4	254.1	673.6
906	LSR	34.7	49.6	35.7
907	PR>F (TRTS)	0.0069	0.0520	0.0100

RCBD arrangement, 3 blocks {234}

ONTARIO
 New Liskeard
 Reed Canarygrass
 Expt.
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
5011	VANTAGE	5942	5738	11680
5013	PALATON	6763	4910	11673
5016	VENTURE	6507	4872	11379
5023	ASRCG-96	7046	4788	11834
5024	VASR8401	5903	3821	9724
900	MEAN	6432	4826	11258
901	CV	22.2	8.5	12.6
905	MCV	28.0	13.0	15.9
902	LSD	1801	629	1791
906	LSR	157.5	32.8	84.9
907	PR>F (TRTS)	0	0	0

RCBD arrangement, 4 blocks

ONTARIO
 Thunder Bay
 Reed Canarygrass
 Expt. 7266
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
5011	VANTAGE	5155	2697	7852
5013	PALATON	5140	2316	7455
5016	VENTURE	5237	2477	7714
5023	ASRCG-96	5359	2562	7921
5024	VASR8401	4399	2639	7038
900	MEAN	5058	2538	7596
901	CV	4.9	11.0	5.4
905	MCV	6.2	13.9	6.8
902	LSD	314.2	351.9	516.7
906	LSR	32.7	92.2	58.5
907	PR>F(TRTS)	0.0013	0.3825	0.0586

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Tall Fescue
 Expt. 2731
 Seeded 1996

Code	Cultivar	1997 (kg/ha)			Tot97
		Cut 1	Cut 2	Cut 3	
5025	FUEGO	2636	663	469	3768
5519	FESTORINA	3489	1010	682	5181
5523	COURTENAY	1978	1405	987	4370
5526	KOKANEE	3036	1629	1131	5795
5527	MONTEBELLO	2795	1257	954	5006
900	MEAN	2787	1193	845	4824
901	CV	13.8	17.6	18.2	13.8
905	MCV	17.3	22.1	22.9	17.4
902	LSD	482.9	263.9	193.4	840.1
906	LSR	32.0	27.3	29.2	41.4
907	PR>F(TRTS)	0.0019	0.0003	0.0004	0.0099

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue
 Expt. 9608
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		Tot97
		Cut 1	Cut 2	
5025	FUEGO	2256	5741	7996
5519	FESTORINA	4602	5830	10432
5523	COURTENAY	4402	6389	10792
5526	KOKANEE	4575	6878	11453
5527	MONTEBELLO	4466	7526	11992
900	MEAN	4060	6473	10533
901	CV	10.6	23.1	12.8
905	MCV	13.4	29.1	16.2
902	LSD	542.1	1883.0	1701.5
906	LSR	23.1	105.4	42.6
907	PR>F(TRTS)	0.0000	0.4465	0.0117

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Tall Fescue
 Expt. 7267
 Seeded 1996

Code	Cultivar	1997 (kg/ha)		
		Cut 1	Cut 2	Tot97
5025	FUEGO	1611	992	2603
5519	FESTORINA	2894	1726	4619
5523	COURTENAY	3563	2031	5595
5526	KOKANEE	3256	2178	5434
5527	MONTEBELLO	3294	2011	5305
900	MEAN	2924	1787	4711
901	CV	18.0	10.6	12.5
905	MCV	22.7	13.4	15.8
902	LSD	663.0	239.9	744.1
906	LSR	34.0	20.2	24.9
907	PR>F(TRTS)	0.0017	0.0000	0.0001

RCBD arrangement, 4 blocks {1234}

OFCC Annual Forage Tests 1997

Code	Entry	1997 Yield (kg/ha)			
		New Liskeard	Kemptville	Thunder Bay	Elora
7501	HiProIV	3809	4041	992	7810
7504	Rigodon-Trapper	4806	4118	1154	6856
7509	Rigodon	4307	3948	1046	6685
7518	AS-5	2215	3318	607	5529
7519	RG003	3771	3094	1303	7732
7522	Canis/Assinoboia	3499	3660	936	8534
7523	Canis/OT276	3126	3518	688	7030
Mean		3647	3671	961	7168
CV		11.9%	8.8%	20.4	7.6
LSR					22.2