

# ONTARIO FORAGE CROP INVESTIGATIONS



## 2000 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

# **2000 REPORT ON FORAGE CROPS TRIALS**

## **ONTARIO FORAGE CROP COMMITTEE**

**Compiled by: Donna Hancock**

**Mr. Laurier Guillemette  
Variety Sub-Committee Chair  
Ontario Forage Crop Committee  
Agriculture and Agri-Food Canada  
Experimental Farm  
Box 160  
Kapuskasing, Ontario  
P5N 2Y3**

**Conducted co-operatively by:**

**University of Guelph  
Ontario Ministry of Agriculture, Food and Rural Affairs  
Agriculture and Agri-Food Canada.**

**This is the 2000 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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.**

# ONTARIO FORAGE CROP COMMITTEE VARIETY SUB-COMMITTEE

## EXECUTIVE and COORDINATORS

**Mr. Laurier Guillemette**  
Chair

**Mr. Jim Johnston**  
Secretary

**Dr. Steve Bowley**  
Alfalfa, Grass, Quality, Data  
Coordinator

**Mr. John Madill**  
Miscellaneous legume Coordinator

## ORGANIZATION

**Agriculture and Agri-Food Canada,**  
Kapuskasing

**Phone:** (705) 335-6148

**Fax:** (705) 337-6000

**New Liskeard Agricultural Research**  
**Station, University of Guelph**

**Phone:** (705) 647-8525 Ext. 223

**Fax:** (705) 647-9220

**Email:** jimjohn@onlink.net

**Plant Agriculture Dept., University of**  
**Guelph**

**Phone:** (519) 824-4120 Ext. 8704

**Fax:** (519)-826-0401

**Email:** sbowley@uoguelph.ca

**Kemptville College, University of Guelph**

**Phone:** (613) 258-8336 Ext.444

**Fax:** (613) 258-8384

**Email:** jemadill@magi.com

## Testing Location

**Kapuskasing** (705) 335-6148  
**Thunder Bay** (807) 475-8180  
**New Liskeard** (705) 647-8525 x223  
**Kemptville** (613) 258-8336 x444  
**Elora (Guelph)** (519) 824-4120  
x8704

## Huron Research Stn

**HRS** (519) 235-4075  
**RCAT** (519) 674-1632

## Name of Cooperators

**Mr. L. Guillemette**  
**Mr. G. Scheifele**  
**Mr. J. Johnston**  
**Mr. J. Madill**  
**Dr. S.R. Bowley**

**Mr. C. Gillard**

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

# CONTENTS

## INTRODUCTION

Coordinators, names, addresses ..... 2

## ALFALFA

Yield data ..... 4

Persistence Data ..... 53

## RED CLOVER

Yield data ..... 61

## TREFOIL

Yield data ..... 67

## WHITE CLOVER

Yield data ..... 73

## BROMEGRASS

Hay Regime ..... 77

Frequent harvest regime ..... 87

## ORCHARDGRASS

Yield data ..... 94

## REED CANARYGRASS

Yield data ..... 106

## TALL FESCUE

Yield data ..... 113

## TIMOTHY

Early (Richmond) harvest regime ..... 122

Late (Climax) harvest regime ..... 132

## ANNUAL RYEGRASS

Yield data ..... 141

## ANNUAL FORAGES

Yield data ..... 144

## HEADING DATES

Grasses & Legumes at Elora ..... 145

ONTARIO  
Elora  
Registration Trial A  
Expt. 2724  
Seeded 1996

| 2000 (kg/ha)   |              |        |        |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC      | 5996   | 3500   | 2453   | 12069  | 12813  | 11282  | 9933   | 46371  |
| 1074           | ARROW        | 5889   | 3227   | 2272   | 11379  | 12922  | 10866  | 9094   | 44175  |
| 1285           | FORERUNNER   | 6170   | 3715   | 2506   | 12329  | 13220  | 11120  | 9093   | 45521  |
| 1408           | MARINER      | 6542   | 3720   | 2588   | 12822  | 13523  | 11439  | 9521   | 47020  |
| 1410           | CW-3433      | 6304   | 3694   | 2782   | 12804  | 14045  | 11705  | 9695   | 48427  |
| 1411           | LEGEND_GOLD  | 6183   | 3738   | 2605   | 12462  | 14662  | 11104  | 9552   | 47725  |
| 1412           | CW-4403      | 6890   | 4251   | 2919   | 14006  | 14061  | 11003  | 9683   | 48261  |
| 1413           | SPRINT       | 6039   | 3824   | 2683   | 12649  | 14107  | 11856  | 9391   | 48171  |
| 1414           | PS9601       | 6160   | 3686   | 2489   | 12297  | 13726  | 11292  | 9173   | 46392  |
| 1415           | PS9602       | 5937   | 3796   | 2630   | 12315  | 13802  | 11101  | 9199   | 46335  |
| 1416           | PS9603       | 6079   | 3772   | 2787   | 12613  | 13110  | 10998  | 8955   | 45735  |
| 1417           | PS9604       | 5996   | 3982   | 2876   | 12817  | 13692  | 10846  | 9209   | 46501  |
| 1418           | PS9605       | 6488   | 4280   | 2963   | 13805  | 13346  | 11125  | 9371   | 47968  |
| 1419           | 54V54        | 6607   | 4016   | 2830   | 13379  | 13842  | 11873  | 9736   | 48564  |
| 1420           | 93-39        | 6037   | 3841   | 2734   | 12745  | 12603  | 10635  | 8595   | 45058  |
| 1421           | COLUMBIA2000 | 6448   | 3804   | 2392   | 12634  | 13474  | 10798  | 8897   | 45812  |
| 1422           | FORECAST1000 | 6216   | 3821   | 2719   | 12650  | 13456  | 11238  | 9469   | 46768  |
| 1423           | FORECAST3000 | 5801   | 3622   | 2468   | 11945  | 14386  | 10964  | 9375   | 46775  |
| 1424           | 92-28        | 5833   | 3425   | 2551   | 11863  | 13948  | 11163  | 8822   | 45813  |
| 9053           | CENTURION    | 6353   | 3476   | 2520   | 12341  | 12091  | 11264  | 9365   | 45161  |
| 900 Mean       |              | 6198   | 3759   | 2638   | 12596  | 13541  | 11184  | 9306   | 46628  |
| 901 CV         |              | 7.7    | 6.2    | 6.9    | 5.1    | 5.9    | 5.2    | 4.7    | 3.1    |
| 905 MCV        |              | 9.2    | 7.4    | 8.2    | 6.1    | 7.0    | 6.2    | 5.6    | 3.7    |
| 902 LSD        |              | 568.9  | 276.5  | 216.5  | 767.3  | 944.6  | 696.6  | 520.0  | 1704.5 |
| 906 LSR        |              | 52.2   | 26.3   | 31.3   | 29.2   | 36.7   | 56.3   | 38.9   | 38.8   |
| 907 Pr>F(Trts) |              | 0.2014 | 0.0000 | 0.0000 | 0.0001 | 0.0046 | 0.2530 | 0.0085 | 0.0015 |
| 908 R_square   |              | 70.2   | 78.3   | 71.2   | 81.4   | 85.4   | 58.3   | 69.5   | 77.8   |

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

ONTARIO  
New Liskeard  
Alfalfa Reg. A 96  
Expt. 9601  
Seeded 1996

|                |              | 2000 (kg/ha) |        |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC      | 7919         | 7919   | 10695  | 12960  | 9669   | 40982  |
| 1074           | ARROW        | 8487         | 8487   | 10743  | 12973  | 9892   | 42055  |
| 1285           | FORERUNNER   | 8752         | 8752   | 10700  | 13764  | 9626   | 43014  |
| 1408           | MARINER      | 8473         | 8473   | 10382  | 13945  | 9628   | 42577  |
| 1410           | CW-3433      | 8453         | 8453   | 11194  | 13121  | 10118  | 43016  |
| 1411           | LEGEND_GOLD  | 8857         | 8857   | 10770  | 13267  | 10470  | 43146  |
| 1412           | CW-4403      | 9065         | 9065   | 10592  | 13302  | 9814   | 42767  |
| 1413           | SPRINT       | 8881         | 8881   | 11164  | 13085  | 9951   | 43087  |
| 1414           | PS9601       | 8087         | 8087   | 10902  | 13146  | 9553   | 41769  |
| 1415           | PS9602       | 8562         | 8562   | 10868  | 12466  | 9929   | 41984  |
| 1416           | PS9603       | 9215         | 9215   | 11447  | 13214  | 10426  | 44482  |
| 1417           | PS9604       | 8690         | 8690   | 10133  | 12777  | 10031  | 41466  |
| 1418           | PS9605       | 8169         | 8169   | 10749  | 12753  | 10014  | 41651  |
| 1419           | 54V54        | 8332         | 8332   | 11449  | 12415  | 10140  | 42484  |
| 1420           | 93-39        | 8835         | 8835   | 11035  | 13130  | 9905   | 43274  |
| 1421           | COLUMBIA2000 | 8203         | 8203   | 11584  | 13520  | 10058  | 43299  |
| 1422           | FORECAST1000 | 8842         | 8842   | 10638  | 13147  | 10158  | 42311  |
| 1423           | FORECAST3000 | 8528         | 8528   | 10353  | 13305  | 9114   | 41162  |
| 1424           | 92-28        | 8208         | 8208   | 11066  | 12821  | 9529   | 41546  |
| 9053           | CENTURION    | 8979         | 8979   | 10076  | 13600  | 10178  | 42918  |
| 900 Mean       |              | 8577         | 8577   | 10827  | 13136  | 9910   | 42450  |
| 901 CV         |              | 6.4          | 6.4    | 8.1    | 4.8    | 5.8    | 3.1    |
| 905 MCV        |              | 7.7          | 7.7    | 9.7    | 5.8    | 6.9    | 3.7    |
| 902 LSD        |              | 658.3        | 658.3  | 1045.2 | 757.3  | 682.1  | 1569.3 |
| 906 LSR        |              | 50.8         | 50.8   | 69.3   | 49.5   | 50.3   | 44.8   |
| 907 Pr>F(Trts) |              | 0.0881       | 0.0881 | 0.6074 | 0.2198 | 0.2551 | 0.0602 |
| 908 R_square   |              | 38.8         | 38.8   | 28.2   | 42.5   | 45.8   | 45.6   |

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

ONTARIO  
Elora  
Registration Trial B  
Expt. 2725  
Seeded 1996

| 2000 (kg/ha)   |            |        |        |        |        |        |        |        |        |
|----------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar   | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC    | 5702   | 3335   | 2955   | 11964  | 11571  | 11838  | 9380   | 44891  |
| 1074           | ARROW      | 5564   | 3512   | 3143   | 12290  | 12009  | 10218  | 8991   | 43060  |
| 1285           | FORERUNNER | 6044   | 3458   | 2893   | 12403  | 11399  | 10190  | 8640   | 42746  |
| 1391           | DEPEND+EV  | 5877   | 3348   | 2892   | 12043  | 11464  | 10589  | 8658   | 42806  |
| 1392           | AMERIGRAZE | 6220   | 3323   | 2906   | 12532  | 12915  | 10836  | 8309   | 44491  |
| 1393           | A9201      | 5963   | 3357   | 2896   | 12217  | 11489  | 10913  | 8880   | 43570  |
| 1394           | A9203      | 6035   | 3434   | 3051   | 12616  | 12492  | 11350  | 8778   | 45207  |
| 1409           | ZG9346     | 6003   | 3289   | 2989   | 12234  | 11560  | 10584  | 8716   | 42782  |
| 1425           | A9303      | 6146   | 3491   | 3064   | 12657  | 12186  | 11500  | 9218   | 45591  |
| 1426           | A9305      | 6172   | 3480   | 3018   | 12712  | 11988  | 10568  | 8295   | 43539  |
| 1427           | MS93-1ML   | 6077   | 3109   | 2654   | 11895  | 11754  | 10365  | 9377   | 43319  |
| 1428           | MS96-06    | 5984   | 3566   | 2978   | 12577  | 12312  | 11250  | 9223   | 45366  |
| 1429           | CW4409     | 5954   | 3806   | 3320   | 13140  | 12048  | 11132  | 9349   | 45621  |
| 1430           | ZG9431     | 6390   | 3517   | 3093   | 12798  | 11286  | 10865  | 8702   | 43947  |
| 1431           | 94GG       | 5275   | 2848   | 2393   | 10453  | 9765   | 9979   | 8298   | 38556  |
| 1432           | A2693      | 6711   | 3778   | 3163   | 13743  | 12877  | 11516  | 9017   | 47151  |
| 1433           | A2993      | 6022   | 3614   | 3123   | 12690  | 12629  | 11284  | 9310   | 45906  |
| 1442           | A2793      | 5999   | 3224   | 2893   | 12087  | 10841  | 9755   | 8938   | 41547  |
| 1443           | A2893      | 6265   | 3392   | 3100   | 12792  | 10803  | 10472  | 8424   | 42692  |
| 9053           | CENTURION  | 5731   | 3300   | 2969   | 11965  | 11798  | 10393  | 8602   | 42903  |
| 900 Mean       |            | 6007   | 3409   | 2975   | 12390  | 11759  | 10780  | 8855   | 43785  |
| 901 CV         |            | 7.6    | 5.1    | 6.0    | 4.9    | 6.9    | 4.6    | 4.5    | 3.3    |
| 905 MCV        |            | 10.6   | 7.1    | 8.3    | 6.8    | 9.6    | 6.4    | 6.2    | 4.5    |
| 902 LSD        |            | 634.1  | 240.9  | 246.3  | 843.9  | 1124.2 | 686.1  | 547.8  | 1978.6 |
| 906 LSR        |            | 44.1   | 25.2   | 26.6   | 25.7   | 35.7   | 32.9   | 50.5   | 23.0   |
| 907 Pr>F(Trts) |            | 0.2462 | 0.0000 | 0.0010 | 0.0013 | 0.0135 | 0.0003 | 0.0072 | 0.0000 |
| 908 R_square   |            | 54.8   | 91.3   | 75.1   | 81.4   | 87.2   | 74.8   | 67.0   | 76.3   |

RCBD arrangement, 3 blocks {123}  
Nearest-neighbour covariance adjusted.

ONTARIO  
 New Liskeard  
 Alfalfa Reg B 96  
 Expt. 9602  
 Seeded 1996

|                |              | 2000 (kg/ha) |        |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC      | 9003         | 9003   | 9283   | 13949  | 11148  | 43475  |
| 1074           | ARROW        | 8829         | 8829   | 9433   | 14750  | 10556  | 43441  |
| 1285           | FORERUNNER   | 8840         | 8840   | 9418   | 14455  | 10678  | 43129  |
| 1391           | DEPEND+EV    | 9286         | 9286   | 9703   | 14174  | 9955   | 42823  |
| 1392           | AMERIGRAZE40 | 8843         | 8843   | 9803   | 15854  | 10229  | 44613  |
| 1393           | A9201        | 8902         | 8902   | 8857   | 15165  | 10326  | 43277  |
| 1394           | A9203        | 9258         | 9258   | 10378  | 14373  | 10856  | 44801  |
| 1409           | ZG9346       | 9285         | 9285   | 10498  | 14343  | 10891  | 45055  |
| 1425           | A9303        | 9175         | 9175   | 9974   | 15511  | 10501  | 45198  |
| 1426           | A9305        | 9164         | 9164   | 9472   | 14388  | 10311  | 43166  |
| 1427           | MS93-1ML     | 9687         | 9687   | 9933   | 15075  | 11374  | 46151  |
| 1428           | MS96-06      | 8489         | 8489   | 10834  | 14213  | 10330  | 44118  |
| 1429           | CW4409       | 9365         | 9365   | 9714   | 14774  | 10739  | 44949  |
| 1430           | ZG9431       | 8794         | 8794   | 9922   | 14859  | 10105  | 43757  |
| 1431           | 94GG         | 8259         | 8259   | 9077   | 13414  | 10484  | 41318  |
| 1432           | A2693        | 8807         | 8807   | 10334  | 14961  | 11083  | 45120  |
| 1433           | A2993        | 9930         | 9930   | 10805  | 15256  | 10755  | 46828  |
| 9053           | CENTURION    | 9265         | 9265   | 10330  | 14788  | 11298  | 45649  |
| 900 Mean       |              | 9066         | 9066   | 9876   | 14683  | 10645  | 44270  |
| 901 CV         |              | 5.5          | 5.5    | 8.3    | 4.8    | 5.4    | 2.9    |
| 905 MCV        |              | 6.6          | 6.6    | 9.9    | 5.7    | 6.4    | 3.5    |
| 902 LSD        |              | 594.4        | 594.4  | 979.5  | 835.5  | 686.1  | 1540.4 |
| 906 LSR        |              | 35.6         | 35.6   | 49.5   | 34.2   | 48.3   | 28.0   |
| 907 Pr>F(Trts) |              | 0.0060       | 0.0060 | 0.0416 | 0.0042 | 0.0303 | 0.0000 |
| 908 R_square   |              | 48.7         | 48.7   | 44.0   | 54.7   | 60.3   | 64.2   |

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



ONTARIO  
Elora  
Registration Trial C  
Expt. 2726  
Seeded 1996

| 2000 (kg/ha)   |             |        |        |        |        |        |        |        |        |
|----------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC     | 5919   | 3383   | 2834   | 12186  | 13876  | 12360  | 10627  | 49212  |
| 1074           | ARROW       | 5933   | 3301   | 2769   | 11896  | 13510  | 11458  | 10199  | 47221  |
| 1285           | FORERUNNER  | 6106   | 3258   | 2706   | 12084  | 13435  | 11095  | 10185  | 46836  |
| 1378           | B44         | 5611   | 3553   | 2826   | 11948  | 14305  | 11473  | 10070  | 47661  |
| 1379           | CIBA_2888   | 6198   | 3472   | 2741   | 12458  | 14124  | 11258  | 10220  | 48037  |
| 1381           | 3T44        | 5926   | 3656   | 2948   | 12545  | 15398  | 11936  | 10119  | 50369  |
| 1383           | MS95-06     | 5811   | 3563   | 3077   | 12452  | 13954  | 11657  | 10397  | 48300  |
| 1386           | 9326        | 6277   | 3782   | 2993   | 12937  | 13866  | 11656  | 10102  | 48560  |
| 1387           | WINTERKING  | 5958   | 3414   | 2961   | 12372  | 13713  | 11453  | 10126  | 47664  |
| 1388           | GOLD_PLUS   | 5635   | 3779   | 3115   | 12486  | 14694  | 11508  | 10112  | 48861  |
| 1389           | DK142       | 6327   | 3740   | 3031   | 13198  | 15280  | 12090  | 10156  | 50438  |
| 1390           | CW-3347     | 6306   | 3636   | 3107   | 13005  | 14518  | 11520  | 10051  | 49181  |
| 1395           | PS95-01     | 5920   | 3291   | 2803   | 11957  | 13693  | 11493  | 10258  | 47027  |
| 1396           | PS95-02     | 6099   | 3591   | 2818   | 12558  | 14038  | 11054  | 10232  | 47833  |
| 1397           | PS95-03     | 5686   | 3742   | 3023   | 12498  | 14571  | 11797  | 10169  | 49212  |
| 1398           | CASCADIA_ML | 5427   | 3142   | 2683   | 11273  | 13531  | 11346  | 10178  | 46279  |
| 1399           | PS95-05     | 5789   | 3432   | 2866   | 12116  | 14556  | 11658  | 9991   | 48590  |
| 1400           | YAL47       | 6326   | 3745   | 3065   | 13156  | 14780  | 11580  | 9736   | 49185  |
| 1404           | 93-136      | 6866   | 3751   | 3061   | 13697  | 13974  | 11775  | 9892   | 49399  |
| 9053           | CENTURION   | 6265   | 3469   | 2864   | 12557  | 13771  | 11600  | 10889  | 48577  |
| 900 Mean       |             | 6019   | 3535   | 2915   | 12469  | 14179  | 11588  | 10186  | 48422  |
| 901 CV         |             | 8.7    | 5.5    | 5.5    | 6.0    | 6.4    | 2.9    | 3.8    | 3.0    |
| 905 MCV        |             | 10.4   | 6.6    | 6.5    | 7.2    | 7.6    | 3.5    | 4.5    | 3.6    |
| 902 LSD        |             | 625.0  | 232.5  | 189.6  | 897.7  | 1075.2 | 406.0  | 463.1  | 1745.1 |
| 906 LSR        |             | 43.4   | 36.3   | 43.9   | 37.0   | 54.8   | 31.1   | 40.2   | 42.0   |
| 907 Pr>F(Trts) |             | 0.0973 | 0.0000 | 0.0006 | 0.0171 | 0.1353 | 0.0004 | 0.1017 | 0.0125 |
| 908 R_square   |             | 78.5   | 79.9   | 69.8   | 73.2   | 94.3   | 92.9   | 87.7   | 94.1   |

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

ONTARIO  
 Thunder Bay  
 Alfalfa Reg C 96  
 Expt. 7259  
 Seeded 1996

|                |             | 2000 (kg/ha) |        |        |        |        |        |
|----------------|-------------|--------------|--------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC     | 2074         | 1453   | 3487   | 8738   | 6562   | 18774  |
| 1074           | ARROW       | 2045         | 1196   | 3278   | 8274   | 6380   | 17893  |
| 1285           | FORERUNNER  | 2698         | 1476   | 4218   | 9057   | 6576   | 19977  |
| 1378           | B44         | 2356         | 1301   | 3643   | 8829   | 6099   | 18580  |
| 1379           | CIBA_2888   | 2632         | 1617   | 4231   | 8938   | 6396   | 19490  |
| 1381           | 3T44        | 2981         | 1724   | 4686   | 9124   | 6468   | 20201  |
| 1383           | MS95-06     | 2407         | 1412   | 3801   | 8645   | 5969   | 18461  |
| 1386           | 9326        | 2782         | 1674   | 4432   | 8872   | 5959   | 19275  |
| 1387           | WINTERKING  | 2746         | 1436   | 4245   | 8913   | 6353   | 19476  |
| 1388           | GOLD_PLUS   | 2866         | 1819   | 4740   | 9061   | 6556   | 20338  |
| 1389           | DK142       | 3248         | 1617   | 4849   | 9116   | 6438   | 20441  |
| 1390           | CW-3347     | 2745         | 1610   | 4348   | 9369   | 6564   | 20338  |
| 1395           | PS95-01     | 2493         | 1455   | 3918   | 8591   | 6614   | 19088  |
| 1396           | PS95-02     | 2639         | 1390   | 3989   | 9086   | 6505   | 19456  |
| 1397           | PS95-03     | 2878         | 1548   | 4440   | 9070   | 5950   | 19452  |
| 1398           | CASCADIA_ML | 1905         | 1239   | 3090   | 8565   | 5822   | 17562  |
| 1399           | PS95-05     | 2309         | 1583   | 3860   | 8333   | 6290   | 18416  |
| 1400           | YAL47       | 3596         | 2081   | 5770   | 9088   | 6905   | 21869  |
| 1404           | 93-136      | 3322         | 2038   | 5368   | 8971   | 6643   | 20960  |
| 9053           | CENTURION   | 2320         | 1526   | 3846   | 8803   | 6590   | 19276  |
| 900 Mean       |             | 2652         | 1560   | 4212   | 8872   | 6382   | 19466  |
| 901 CV         |             | 14.3         | 18.2   | 12.5   | 3.1    | 4.7    | 4.1    |
| 905 MCV        |             | 19.8         | 25.2   | 17.4   | 4.3    | 6.5    | 5.7    |
| 902 LSD        |             | 524.2        | 393.5  | 731.1  | 380.5  | 417.6  | 1109.0 |
| 906 LSR        |             | 31.0         | 44.4   | 27.3   | 34.8   | 38.5   | 25.7   |
| 907 Pr>F(Trts) |             | 0.0004       | 0.0392 | 0.0001 | 0.0019 | 0.0056 | 0.0000 |
| 908 R_square   |             | 72.2         | 67.1   | 77.8   | 78.5   | 81.1   | 80.0   |

RCBD arrangement, 3 blocks {123}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
 New Liskeard  
 Alf Reg C  
 Expt. 9603  
 Seeded 1996

| 2000 (kg/ha)   |             |        |        |        |        |        |        |
|----------------|-------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC     | 8969   | 8969   | 10210  | 13883  | 9474   | 42675  |
| 1074           | ARROW       | 8525   | 8525   | 11263  | 14606  | 9522   | 43498  |
| 1285           | FORERUNNER  | 8951   | 8951   | 10476  | 14844  | 9510   | 42928  |
| 1378           | B44         | 8780   | 8780   | 10022  | 14316  | 9837   | 42650  |
| 1379           | CIBA_2888   | 9657   | 9657   | 10437  | 14188  | 10535  | 44663  |
| 1381           | 3T44        | 9303   | 9303   | 10760  | 14648  | 10093  | 45066  |
| 1383           | MS95-06     | 8956   | 8956   | 10421  | 14218  | 10355  | 44052  |
| 1386           | 9326        | 9301   | 9301   | 10587  | 14428  | 9626   | 43601  |
| 1387           | WINTERKING  | 8949   | 8949   | 10863  | 14173  | 9761   | 43678  |
| 1388           | GOLD_PLUS   | 9659   | 9659   | 11510  | 14495  | 9238   | 45172  |
| 1389           | DK142       | 9240   | 9240   | 11160  | 14186  | 10363  | 45206  |
| 1390           | CW-3347     | 8979   | 8979   | 9724   | 14714  | 9431   | 43233  |
| 1395           | PS95-01     | 9369   | 9369   | 10034  | 14567  | 10210  | 44559  |
| 1396           | PS95-02     | 9758   | 9758   | 10507  | 14550  | 9791   | 44766  |
| 1397           | PS95-03     | 9297   | 9297   | 10446  | 14373  | 9768   | 44084  |
| 1398           | CASCADIA_ML | 9937   | 9937   | 10631  | 14429  | 10424  | 45584  |
| 1399           | PS95-05     | 8709   | 8709   | 10545  | 14007  | 9657   | 42448  |
| 1400           | YAL47       | 8158   | 8158   | 11308  | 14357  | 9636   | 43379  |
| 1404           | 93-136      | 8541   | 8541   | 10199  | 14586  | 9617   | 43117  |
| 9053           | CENTURION   | 9590   | 9590   | 10501  | 13441  | 10596  | 44322  |
| 900 Mean       |             | 9131   | 9131   | 10580  | 14350  | 9872   | 43934  |
| 901 CV         |             | 5.8    | 5.8    | 8.4    | 5.1    | 5.6    | 3.4    |
| 905 MCV        |             | 7.0    | 7.0    | 10.0   | 6.0    | 6.7    | 4.0    |
| 902 LSD        |             | 635.5  | 635.5  | 1054.4 | 864.1  | 658.8  | 1774.5 |
| 906 LSR        |             | 35.7   | 35.7   | 59.0   | 61.6   | 48.5   | 56.6   |
| 907 Pr>F(Trts) |             | 0.0010 | 0.0010 | 0.4127 | 0.7798 | 0.0145 | 0.0984 |
| 908 R_square   |             | 57.2   | 57.2   | 40.7   | 33.7   | 77.3   | 70.0   |

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

ONTARIO  
Elora  
Registration Trial D  
Expt. 2727  
Seeded 1996

| 2000 (kg/ha)   |             |        |        |        |        |        |        |        |        |
|----------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC     | 5696   | 3146   | 2875   | 11716  | 13638  | 12905  | 9960   | 48040  |
| 1074           | ARROW       | 5766   | 2974   | 2671   | 11434  | 14095  | 11567  | 9220   | 46441  |
| 1098           | MAGNUM_III  | 6575   | 3480   | 2940   | 13005  | 15076  | 12440  | 9994   | 50168  |
| 1248           | JAVELIN     | 6025   | 3207   | 2692   | 11912  | 14308  | 11509  | 9630   | 47409  |
| 1375           | ABT_205     | 6181   | 3289   | 2952   | 12433  | 13723  | 12299  | 10195  | 48540  |
| 1376           | ABT_405     | 5732   | 3323   | 2827   | 11881  | 14122  | 12453  | 9787   | 48135  |
| 1377           | SUPERCUTS   | 5506   | 3032   | 2817   | 11375  | 14951  | 12169  | 9601   | 48426  |
| 1380           | C-3220      | 5783   | 3207   | 2800   | 11769  | 14081  | 11821  | 10201  | 47772  |
| 1382           | ALPHA_2001  | 5965   | 3300   | 2991   | 12265  | 14044  | 12070  | 9635   | 48010  |
| 1384           | CW3416      | 5993   | 3239   | 2972   | 12224  | 14556  | 12755  | 10276  | 49799  |
| 1385           | NY9012      | 5444   | 3234   | 2907   | 11550  | 14579  | 12444  | 9640   | 48457  |
| 1402           | GRAZEMASTER | 6371   | 3764   | 3096   | 13195  | 14581  | 12048  | 9844   | 49497  |
| 1403           | WL_324      | 6659   | 3764   | 3163   | 13579  | 15314  | 12560  | 9936   | 51358  |
| 1405           | GH766QP     | 5455   | 3470   | 2867   | 11732  | 13405  | 11635  | 9431   | 46214  |
| 1406           | PSC_10222   | 5414   | 3096   | 2923   | 11456  | 13432  | 12017  | 9616   | 46515  |
| 1434           | 53V08       | 5791   | 3671   | 3127   | 12618  | 14660  | 12355  | 10195  | 49883  |
| 1435           | YAL_55      | 6388   | 3954   | 3402   | 13791  | 15954  | 12824  | 10218  | 53122  |
| 1436           | 5396        | 6063   | 3673   | 3141   | 12870  | 14335  | 12955  | 10101  | 50237  |
| 1437           | WL326_GZ    | 6288   | 3498   | 3172   | 12966  | 14498  | 10765  | 9786   | 47875  |
| 9053           | CENTURION   | 5453   | 3039   | 2809   | 11280  | 14117  | 12148  | 10099  | 47733  |
| 900 Mean       |             | 5927   | 3368   | 2957   | 12253  | 14373  | 12187  | 9868   | 48681  |
| 901 CV         |             | 7.9    | 6.3    | 5.3    | 5.5    | 4.9    | 8.7    | 5.3    | 3.8    |
| 905 MCV        |             | 9.4    | 7.5    | 6.3    | 6.5    | 5.8    | 10.4   | 6.3    | 4.6    |
| 902 LSD        |             | 556.0  | 252.5  | 186.7  | 800.9  | 832.5  | 1269.1 | 617.2  | 2226.2 |
| 906 LSR        |             | 44.6   | 25.8   | 25.5   | 31.9   | 32.7   | 58.0   | 58.4   | 32.2   |
| 907 Pr>F(Trts) |             | 0.0024 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.4524 | 0.2188 | 0.0003 |
| 908 R_square   |             | 68.1   | 82.6   | 72.9   | 78.2   | 86.7   | 41.7   | 62.8   | 63.5   |

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

ONTARIO  
 Thunder Bay  
 Alfalfa Reg D 96  
 Expt. 7260  
 Seeded 1996

| 2000 (kg/ha)   |             |        |        |        |        |        |        |
|----------------|-------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC     | 3056   | 1377   | 4629   | 9346   | 6406   | 20387  |
| 1074           | ARROW       | 2663   | 1005   | 3472   | 8718   | 6782   | 18940  |
| 1098           | MAGNUM_III  | 3445   | 1059   | 4478   | 9183   | 6989   | 20696  |
| 1248           | JAVELIN     | 3148   | 1286   | 4378   | 8511   | 6312   | 19292  |
| 1375           | ABT_205     | 3064   | 1197   | 4237   | 8491   | 6192   | 19039  |
| 1376           | ABT_405     | 3017   | 1225   | 4219   | 8784   | 6077   | 18950  |
| 1377           | SUPERCUTS   | 2705   | 1178   | 4082   | 8933   | 6857   | 20035  |
| 1380           | C-3220      | 2284   | 1223   | 3428   | 8720   | 6788   | 18974  |
| 1382           | ALPHA_2001  | 2881   | 1270   | 4124   | 8801   | 6608   | 19511  |
| 1384           | CW3416      | 2396   | 1315   | 3685   | 8360   | 6285   | 18365  |
| 1385           | NY9012      | 3726   | 1408   | 5133   | 9150   | 6381   | 20609  |
| 1402           | GRAZEMASTER | 3178   | 1267   | 4406   | 9054   | 7400   | 20836  |
| 1403           | WL_324      | 3032   | 1110   | 4153   | 8781   | 6266   | 19123  |
| 1405           | GH766QP     | 2804   | 1136   | 3852   | 8620   | 6732   | 19036  |
| 1406           | PSC_10222   | 3341   | 1078   | 4423   | 8817   | 6341   | 19798  |
| 1434           | 53V08       | 3398   | 1597   | 4935   | 9346   | 6736   | 20900  |
| 1435           | YAL_55      | 4103   | 1726   | 5789   | 9409   | 7222   | 22350  |
| 1436           | 5396        | 3056   | 1298   | 4454   | 8636   | 6645   | 19760  |
| 1437           | WL326_GZ    | 2984   | 975    | 4052   | 8627   | 6584   | 19161  |
| 9053           | CENTURION   | 2211   | 999    | 3295   | 8804   | 6304   | 18462  |
| 900 Mean       |             | 3025   | 1237   | 4261   | 8855   | 6595   | 19711  |
| 901 CV         |             | 11.8   | 22.6   | 11.8   | 5.0    | 5.1    | 4.8    |
| 905 MCV        |             | 16.4   | 31.3   | 16.3   | 7.0    | 7.0    | 6.6    |
| 902 LSD        |             | 495.5  | 386.9  | 696.6  | 618.6  | 462.8  | 1301.2 |
| 906 LSR        |             | 26.2   | 51.5   | 27.9   | 59.0   | 35.0   | 32.7   |
| 907 Pr>F(Trts) |             | 0.0000 | 0.2103 | 0.0002 | 0.2386 | 0.0011 | 0.0013 |
| 908 R_square   |             | 81.4   | 59.8   | 79.1   | 71.6   | 78.6   | 83.0   |

RCBD arrangement, 3 blocks {123}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
 New Liskeard  
 Alfalfa Reg D  
 Expt. 9604  
 Seeded 1996

|                |             | 2000 (kg/ha) |        |        |        |        |        |
|----------------|-------------|--------------|--------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1        | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 1001           | SARANAC     | 10319        | 10319  | 9579   | 15097  | 10414  | 45785  |
| 1074           | ARROW       | 10599        | 10599  | 9522   | 15481  | 11308  | 46663  |
| 1098           | MAGNUM_III  | 9774         | 9774   | 10507  | 15076  | 10671  | 45350  |
| 1248           | JAVELIN     | 10359        | 10359  | 9314   | 14295  | 10393  | 44676  |
| 1375           | ABT_205     | 10575        | 10575  | 9892   | 15035  | 11227  | 46766  |
| 1376           | ABT_405     | 10713        | 10713  | 9694   | 14876  | 10052  | 45627  |
| 1377           | SUPERCUTS   | 10690        | 10690  | 10171  | 15155  | 10599  | 47194  |
| 1380           | C-3220      | 10718        | 10718  | 9685   | 15044  | 10901  | 46293  |
| 1382           | ALPHA_2001  | 9871         | 9871   | 9295   | 14500  | 10724  | 44016  |
| 1384           | CW3416      | 10453        | 10453  | 10283  | 14814  | 10768  | 46560  |
| 1385           | NY9012      | 10172        | 10172  | 9561   | 14123  | 10474  | 44563  |
| 1402           | GRAZEMASTER | 10373        | 10373  | 9341   | 15119  | 10581  | 45828  |
| 1403           | WL_324      | 10305        | 10305  | 9499   | 15012  | 10548  | 45368  |
| 1405           | GH766QP     | 10517        | 10517  | 9582   | 15287  | 10425  | 45402  |
| 1406           | PSC_10222   | 10674        | 10674  | 9905   | 14907  | 10657  | 46201  |
| 1434           | 53V08       | 10533        | 10533  | 10655  | 14778  | 10626  | 46580  |
| 1435           | YAL_55      | 9924         | 9924   | 10232  | 14097  | 10350  | 44479  |
| 1436           | 5396        | 9903         | 9903   | 9624   | 14081  | 10437  | 43632  |
| 1437           | WL326_GZ    | 10003        | 10003  | 9208   | 14245  | 10166  | 43307  |
| 9053           | CENTURION   | 11339        | 11339  | 9305   | 14626  | 11342  | 46688  |
| 900 Mean       |             | 10391        | 10391  | 9743   | 14782  | 10633  | 45549  |
| 901 CV         |             | 5.6          | 5.6    | 9.4    | 4.2    | 3.9    | 2.8    |
| 905 MCV        |             | 6.6          | 6.6    | 11.2   | 5.0    | 4.7    | 3.3    |
| 902 LSD        |             | 687.8        | 687.8  | 1092.4 | 732.7  | 495.0  | 1494.5 |
| 906 LSR        |             | 43.9         | 43.9   | 75.5   | 52.3   | 38.4   | 38.4   |
| 907 Pr>F(Trts) |             | 0.0883       | 0.0883 | 0.6569 | 0.0344 | 0.0021 | 0.0008 |
| 908 R_square   |             | 58.7         | 58.7   | 33.2   | 50.2   | 74.0   | 61.4   |

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

ONTARIO  
Elora  
Registration Trial A  
Expt. 2741  
Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 5546   | 3054   | 2223   | 10825  | 13872  | 10311  | 34802  |
| 1074           | ARROW        | 6085   | 3046   | 2152   | 11396  | 13614  | 9430   | 34134  |
| 1285           | FORERUNNER   | 6181   | 3193   | 2281   | 11604  | 13568  | 9609   | 34899  |
| 1410           | CW-3433      | 5636   | 3468   | 2555   | 11681  | 14761  | 10276  | 36898  |
| 1411           | LEGEND_GOLD  | 6544   | 3472   | 2617   | 12756  | 14448  | 10090  | 37003  |
| 1412           | CW-4403      | 5901   | 3744   | 2695   | 12324  | 15052  | 10680  | 38329  |
| 1413           | SPRINT       | 6227   | 3496   | 2598   | 12392  | 14628  | 9436   | 36299  |
| 1414           | PS9601       | 5663   | 3223   | 2333   | 11136  | 14406  | 10268  | 36064  |
| 1416           | PS9603       | 6215   | 3500   | 2520   | 12248  | 14710  | 10088  | 37042  |
| 1418           | PS9605       | 6333   | 3813   | 2830   | 12986  | 14528  | 9881   | 37352  |
| 1419           | 54V54        | 6440   | 3656   | 2705   | 12840  | 14635  | 10092  | 37628  |
| 1420           | 93-39        | 6072   | 3465   | 2564   | 12070  | 14350  | 9575   | 35782  |
| 1421           | COLUMBIA2000 | 6092   | 3214   | 2303   | 11630  | 15372  | 10160  | 37063  |
| 1422           | FORECAST1000 | 6306   | 3374   | 2411   | 12036  | 14128  | 9751   | 36000  |
| 1423           | FORECAST3000 | 5904   | 3118   | 2128   | 11030  | 14180  | 9784   | 35402  |
| 1427           | MS93-1ML     | 5518   | 2784   | 1947   | 10238  | 13445  | 9319   | 33090  |
| 1429           | CW4409       | 5696   | 3457   | 2545   | 11678  | 14934  | 10061  | 36759  |
| 1431           | 94GG         | 4779   | 2437   | 1784   | 9019   | 12317  | 8304   | 29573  |
| 1459           | CW5407       | 6092   | 3699   | 2828   | 12636  | 14679  | 9797   | 37016  |
| 1460           | 9429         | 5739   | 3492   | 2665   | 11980  | 14551  | 9899   | 36435  |
| 1463           | ARREST       | 5078   | 2579   | 2068   | 9607   | 13494  | 8303   | 31448  |
| 9053           | CENTURION    | 5590   | 2903   | 2120   | 10583  | 14147  | 9797   | 34406  |
| 900 Mean       |              | 5893   | 3281   | 2403   | 11577  | 14264  | 9769   | 35610  |
| 901 CV         |              | 9.1    | 7.2    | 7.1    | 6.5    | 5.6    | 4.6    | 3.9    |
| 905 MCV        |              | 10.8   | 8.5    | 8.4    | 7.6    | 6.7    | 5.5    | 4.6    |
| 902 LSD        |              | 633.7  | 279.7  | 202.4  | 885.3  | 951.3  | 534.2  | 1651.7 |
| 906 LSR        |              | 35.9   | 20.3   | 19.4   | 22.3   | 31.1   | 22.5   | 18.9   |
| 907 Pr>F(Trts) |              | 0.0021 | 0.0000 | 0.0000 | 0.0000 | 0.0011 | 0.0000 | 0.0000 |
| 908 R_square   |              | 59.5   | 79.5   | 80.7   | 75.5   | 68.7   | 71.8   | 77.9   |

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

ONTARIO  
New Liskeard  
A 97  
Expt. 9701  
Seeded 1997

|                |              | 2000 (kg/ha) |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 6469         | 6469   | 10877  | 14818  | 32066  |
| 1074           | ARROW        | 7165         | 7165   | 10696  | 15004  | 32902  |
| 1285           | FORERUNNER   | 6888         | 6888   | 12759  | 15611  | 35676  |
| 1410           | CW-3433      | 6273         | 6273   | 10418  | 15188  | 31628  |
| 1411           | LEGEND_GOLD  | 6803         | 6803   | 11571  | 15216  | 33466  |
| 1412           | CW-4403      | 6014         | 6014   | 10324  | 14161  | 30910  |
| 1413           | SPRINT       | 6329         | 6329   | 10250  | 14800  | 31221  |
| 1414           | PS9601       | 6145         | 6145   | 11190  | 16043  | 33136  |
| 1416           | PS9603       | 6806         | 6806   | 12123  | 15863  | 34899  |
| 1418           | PS9605       | 6512         | 6512   | 11384  | 14598  | 32499  |
| 1419           | 54V54        | 6403         | 6403   | 10875  | 13696  | 31168  |
| 1420           | 93-39        | 6236         | 6236   | 10409  | 13747  | 30270  |
| 1421           | COLUMBIA2000 | 6356         | 6356   | 10667  | 15220  | 32082  |
| 1422           | FORECAST1000 | 6499         | 6499   | 10199  | 15196  | 31943  |
| 1423           | FORECAST3000 | 5958         | 5958   | 11857  | 15440  | 33272  |
| 1427           | MS93-1ML     | 7253         | 7253   | 11566  | 18447  | 37006  |
| 1429           | CW4409       | 7041         | 7041   | 10858  | 15399  | 33682  |
| 1431           | 94GG         | 5742         | 5742   | 10638  | 14600  | 30877  |
| 1459           | CW5407       | 6324         | 6324   | 10876  | 14417  | 31543  |
| 1460           | 9429         | 6229         | 6229   | 11228  | 15067  | 32864  |
| 1463           | ARREST       | 5752         | 5752   | 10708  | 13907  | 30398  |
| 1468           | DK140        | 6882         | 6882   | 10815  | 17154  | 34431  |
| 9053           | CENTURION    | 6931         | 6931   | 11167  | 15692  | 33809  |
| 900 Mean       |              | 6479         | 6479   | 11020  | 15186  | 32685  |
| 901 CV         |              | 8.3          | 8.3    | 7.5    | 4.9    | 3.5    |
| 905 MCV        |              | 11.4         | 11.4   | 10.3   | 6.7    | 4.8    |
| 902 LSD        |              | 736.9        | 736.9  | 1134.8 | 1021.8 | 1561.5 |
| 906 LSR        |              | 48.8         | 48.8   | 44.3   | 21.5   | 23.2   |
| 907 Pr>F(Trts) |              | 0.0382       | 0.0382 | 0.0634 | 0.0000 | 0.0000 |
| 908 R_square   |              | 52.1         | 52.1   | 57.9   | 77.5   | 79.6   |

RCBD arrangement, 3 blocks {134}  
Nearest-neighbour covariance adjusted.



ONTARIO  
Huron Research Station  
Alfalfa Reg A  
Expt. 1087  
Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 12694  | 6287   | 3059   | 21854  | 14528  | 10083  | 46661  |
| 1074           | ARROW        | 11542  | 5420   | 2704   | 19464  | 13514  | 8898   | 41918  |
| 1285           | FORERUNNER   | 12442  | 5954   | 2828   | 21124  | 14900  | 10227  | 46280  |
| 1410           | CW-3433      | 11789  | 6359   | 3241   | 21764  | 14220  | 9457   | 45222  |
| 1411           | LEGEND_GOLD  | 12233  | 6050   | 3184   | 21311  | 13981  | 9608   | 45117  |
| 1412           | CW-4403      | 12569  | 6286   | 3133   | 22133  | 14966  | 9748   | 46501  |
| 1413           | SPRINT       | 12387  | 6134   | 3217   | 21698  | 14355  | 9116   | 45317  |
| 1414           | PS9601       | 11903  | 5844   | 3128   | 21106  | 14398  | 9197   | 44661  |
| 1416           | PS9603       | 12788  | 6244   | 3441   | 22735  | 14696  | 10176  | 47522  |
| 1418           | PS9605       | 11783  | 5998   | 3559   | 21039  | 13740  | 8669   | 43555  |
| 1419           | 54V54        | 12440  | 6245   | 3439   | 21873  | 14208  | 9977   | 46361  |
| 1420           | 93-39        | 11624  | 5723   | 3193   | 20705  | 13677  | 8409   | 42862  |
| 1421           | COLUMBIA2000 | 12939  | 5805   | 2907   | 21844  | 15423  | 10600  | 47643  |
| 1422           | FORECAST1000 | 12357  | 6111   | 2927   | 21529  | 14182  | 9557   | 45256  |
| 1423           | FORECAST3000 | 11841  | 6054   | 3099   | 20894  | 13913  | 8845   | 43685  |
| 1427           | MS93-1ML     | 12214  | 5506   | 3035   | 20735  | 14026  | 9825   | 44843  |
| 1429           | CW4409       | 12654  | 6154   | 3047   | 21898  | 15118  | 9910   | 46322  |
| 1431           | 94GG         | 10841  | 5314   | 2400   | 18533  | 12391  | 8411   | 39476  |
| 1459           | CW5407       | 11501  | 5837   | 3461   | 20729  | 14131  | 9702   | 45089  |
| 1460           | 9429         | 12825  | 6698   | 3528   | 23098  | 14856  | 9178   | 47032  |
| 1463           | ARREST       | 9474   | 5106   | 2584   | 17031  | 12220  | 8126   | 37482  |
| 9053           | CENTURION    | 11715  | 6030   | 3147   | 20875  | 14539  | 9722   | 44590  |
| 900 Mean       |              | 12025  | 5962   | 3103   | 21090  | 14181  | 9429   | 44700  |
| 901 CV         |              | 6.3    | 7.4    | 9.0    | 5.6    | 6.3    | 7.8    | 4.6    |
| 905 MCV        |              | 7.4    | 8.7    | 10.7   | 6.6    | 7.4    | 9.2    | 5.4    |
| 902 LSD        |              | 894.2  | 521.4  | 330.9  | 1394.3 | 1052.1 | 870.9  | 2416.4 |
| 906 LSR        |              | 25.8   | 32.7   | 28.6   | 23.0   | 32.8   | 35.2   | 23.8   |
| 907 Pr>F(Trts) |              | 0.0000 | 0.0008 | 0.0000 | 0.0000 | 0.0012 | 0.0003 | 0.0000 |
| 908 R_square   |              | 63.3   | 78.1   | 75.1   | 71.7   | 84.3   | 70.7   | 81.7   |

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

ONTARIO  
Elora  
Registration Trial B  
Expt. 2742  
Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 4976   | 2826   | 1851   | 9717   | 14519  | 10670  | 34751  |
| 1074           | ARROW        | 5213   | 2579   | 1785   | 9617   | 14375  | 9737   | 33617  |
| 1285           | FORERUNNER   | 4864   | 2684   | 1846   | 9377   | 14572  | 10120  | 34092  |
| 1408           | MARINER      | 5225   | 2744   | 1879   | 9706   | 14944  | 10343  | 35369  |
| 1409           | ZG9346       | 5100   | 2736   | 1973   | 9986   | 13885  | 9526   | 33624  |
| 1415           | PS9602       | 5712   | 3066   | 2194   | 10848  | 14453  | 10681  | 35873  |
| 1417           | PS9604       | 5275   | 2946   | 2010   | 10266  | 14581  | 10403  | 34836  |
| 1425           | A9303        | 4997   | 2795   | 1877   | 9737   | 14800  | 9737   | 34231  |
| 1428           | MS96-06      | 5831   | 3016   | 2207   | 11040  | 15100  | 10247  | 36236  |
| 1434           | 53V08        | 5528   | 3424   | 2311   | 11285  | 15030  | 10612  | 36876  |
| 1436           | 5396         | 5977   | 3288   | 2256   | 11486  | 15182  | 11050  | 37870  |
| 1442           | A2793        | 4704   | 2301   | 1503   | 8541   | 14598  | 8760   | 31838  |
| 1443           | A2893        | 4825   | 2495   | 1700   | 9019   | 14796  | 8723   | 32362  |
| 1444           | SAFEGUARD    | 4651   | 2487   | 1808   | 8938   | 14345  | 9472   | 33013  |
| 1446           | AVENGER      | 5605   | 2948   | 2088   | 10640  | 15067  | 10061  | 35710  |
| 1448           | PICKSD8925MF | 5444   | 3104   | 2226   | 10740  | 14753  | 10643  | 36084  |
| 1450           | W110         | 5505   | 3188   | 2211   | 10847  | 15065  | 10688  | 36750  |
| 1452           | A9304        | 5763   | 2935   | 2001   | 10769  | 14185  | 11157  | 36537  |
| 1454           | ZG9643C      | 5178   | 2890   | 2002   | 10037  | 14023  | 9648   | 33502  |
| 1456           | ZN9543C      | 5391   | 2916   | 2045   | 10320  | 14729  | 9832   | 35139  |
| 1458           | DK143        | 5529   | 3369   | 2456   | 11285  | 14913  | 10524  | 36928  |
| 1461           | 5347LH       | 4535   | 2526   | 1786   | 8931   | 14264  | 9703   | 32928  |
| 1465           | MULTIPLIER_I | 5549   | 2692   | 1919   | 10205  | 13650  | 9213   | 32751  |
| 1466           | A3294        | 5993   | 3113   | 2079   | 11219  | 15255  | 10594  | 36939  |
| 9053           | CENTURION    | 4872   | 2685   | 1839   | 9287   | 13935  | 10196  | 33353  |
| 900 Mean       |              | 5290   | 2870   | 1994   | 10154  | 14601  | 10094  | 34848  |
| 901 CV         |              | 8.4    | 8.2    | 7.9    | 6.6    | 5.7    | 4.6    | 3.8    |
| 905 MCV        |              | 9.9    | 9.7    | 9.3    | 7.8    | 6.7    | 5.4    | 4.5    |
| 902 LSD        |              | 522.5  | 277.8  | 185.4  | 787.6  | 981.2  | 548.2  | 1582.6 |
| 906 LSR        |              | 35.9   | 24.7   | 19.5   | 26.7   | 61.1   | 22.5   | 26.2   |
| 907 Pr>F(Trts) |              | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.3771 | 0.0000 | 0.0000 |
| 908 R_square   |              | 66.2   | 81.1   | 83.5   | 80.7   | 40.8   | 80.9   | 76.6   |

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

ONTARIO  
 New Liskeard  
 Alfalfa Reg B 97  
 Expt. 9702  
 Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 6323   | 4586   | 10919  | 10002  | 15448  | 36342  |
| 1074           | ARROW        | 7113   | 4874   | 11942  | 10627  | 15260  | 37477  |
| 1285           | FORERUNNER   | 6976   | 4347   | 11314  | 10751  | 15949  | 37858  |
| 1408           | MARINER      | 6967   | 4271   | 11216  | 10806  | 15583  | 37857  |
| 1409           | ZG9346       | 7012   | 4395   | 11452  | 10764  | 15270  | 37448  |
| 1415           | PS9602       | 6839   | 4418   | 11370  | 10937  | 13682  | 36480  |
| 1417           | PS9604       | 6747   | 4401   | 11148  | 10786  | 15129  | 37009  |
| 1425           | A9303        | 7241   | 4781   | 12021  | 11448  | 15547  | 39002  |
| 1428           | MS96-06      | 6507   | 4450   | 10994  | 10262  | 14628  | 36056  |
| 1434           | 53V08        | 6672   | 4622   | 11189  | 10779  | 14476  | 36645  |
| 1436           | 5396         | 7063   | 4792   | 11957  | 11264  | 15052  | 38638  |
| 1444           | SAFEGUARD    | 6252   | 4532   | 10760  | 10941  | 14763  | 36507  |
| 1446           | AVENGER      | 6400   | 4999   | 11439  | 10194  | 15131  | 36853  |
| 1448           | PICKSD8925MF | 7080   | 5515   | 12613  | 10951  | 15286  | 38858  |
| 1450           | W110         | 6570   | 4374   | 10918  | 11089  | 15059  | 36574  |
| 1452           | A9304        | 7120   | 4732   | 11829  | 10955  | 16134  | 38949  |
| 1454           | ZG9643C      | 6876   | 4955   | 11802  | 11107  | 15059  | 37785  |
| 1456           | ZN9543C      | 6834   | 4618   | 11293  | 11753  | 14567  | 37037  |
| 1458           | DK143        | 6880   | 4765   | 11700  | 10810  | 14927  | 37974  |
| 1461           | 5347LH       | 6559   | 4639   | 11169  | 10883  | 16448  | 38306  |
| 1465           | MULTIPLIER_I | 6570   | 4535   | 11046  | 11126  | 15244  | 37177  |
| 1466           | A3294        | 7293   | 5164   | 12502  | 10956  | 15823  | 39346  |
| 9053           | CENTURION    | 7202   | 4782   | 12052  | 11573  | 15631  | 39329  |
| 900 Mean       |              | 6830   | 4676   | 11506  | 10903  | 15222  | 37631  |
| 901 CV         |              | 6.4    | 14.1   | 7.0    | 6.8    | 4.8    | 3.0    |
| 905 MCV        |              | 7.6    | 16.7   | 8.3    | 8.0    | 5.7    | 3.6    |
| 902 LSD        |              | 515.8  | 781.4  | 951.4  | 875.8  | 860.2  | 1339.8 |
| 906 LSR        |              | 49.6   | 62.8   | 51.3   | 50.0   | 31.1   | 40.7   |
| 907 Pr>F(Trts) |              | 0.0431 | 0.7282 | 0.0817 | 0.3363 | 0.0012 | 0.0002 |
| 908 R_square   |              | 50.1   | 24.3   | 42.0   | 78.9   | 57.7   | 76.5   |

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

ONTARIO  
Huron Research Station  
Alfalfa Reg B  
Expt. 1088  
Seeded 1997

|                |              | 2000 (kg/ha) |        |        |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 11599        | 5674   | 2733   | 20115  | 15925  | 10158  | 46062  |
| 1074           | ARROW        | 10985        | 5071   | 2466   | 18492  | 14948  | 9078   | 42374  |
| 1285           | FORERUNNER   | 11667        | 5529   | 2739   | 20024  | 15382  | 9526   | 44894  |
| 1408           | MARINER      | 11199        | 5076   | 2701   | 18885  | 14467  | 9040   | 42430  |
| 1409           | ZG9346       | 11426        | 5325   | 2737   | 19356  | 13990  | 8853   | 42263  |
| 1415           | PS9602       | 11369        | 5645   | 3001   | 19974  | 15313  | 9568   | 44708  |
| 1417           | PS9604       | 11706        | 5229   | 2841   | 19854  | 15648  | 9136   | 44688  |
| 1425           | A9303        | 11352        | 5042   | 2449   | 18858  | 15990  | 9262   | 44274  |
| 1428           | MS96-06      | 11321        | 5620   | 2980   | 19947  | 15613  | 8925   | 44486  |
| 1434           | 53V08        | 11638        | 5654   | 3019   | 20373  | 14905  | 8988   | 44201  |
| 1436           | 5396         | 11253        | 4892   | 2837   | 19028  | 14471  | 9427   | 43013  |
| 1444           | SAFEGUARD    | 10570        | 4654   | 2053   | 17199  | 13492  | 7894   | 38496  |
| 1446           | AVENGER      | 11601        | 5426   | 2654   | 19530  | 15452  | 9650   | 44625  |
| 1448           | PICKSD8925MF | 11767        | 5557   | 2873   | 20277  | 15256  | 9471   | 45134  |
| 1450           | W110         | 11840        | 5830   | 2977   | 20465  | 15247  | 9390   | 45212  |
| 1452           | A9304        | 11858        | 5220   | 2292   | 19325  | 16106  | 9695   | 45228  |
| 1454           | ZG9643C      | 11440        | 5126   | 2508   | 18929  | 14148  | 8789   | 41864  |
| 1456           | ZN9543C      | 11714        | 5190   | 2836   | 19976  | 14552  | 8676   | 43185  |
| 1458           | DK143        | 11149        | 6082   | 3205   | 20499  | 16305  | 9242   | 46128  |
| 1461           | 5347LH       | 10609        | 5336   | 2694   | 18585  | 13870  | 9231   | 41661  |
| 1465           | MULTIPLIER_I | 11009        | 4777   | 2150   | 18092  | 15100  | 8910   | 41898  |
| 9053           | CENTURION    | 12007        | 5154   | 2457   | 19611  | 15355  | 10107  | 45120  |
| 900 Mean       |              | 11413        | 5323   | 2691   | 19427  | 15070  | 9228   | 43725  |
| 901 CV         |              | 5.0          | 9.7    | 10.1   | 5.5    | 7.2    | 6.4    | 4.8    |
| 905 MCV        |              | 5.9          | 11.5   | 11.9   | 6.4    | 8.5    | 7.5    | 5.6    |
| 902 LSD        |              | 677.7        | 610.3  | 320.7  | 1252.9 | 1276.9 | 694.8  | 2464.0 |
| 906 LSR        |              | 47.2         | 42.7   | 27.8   | 38.0   | 45.4   | 30.7   | 32.3   |
| 907 Pr>F(Trts) |              | 0.0544       | 0.0338 | 0.0000 | 0.0028 | 0.0252 | 0.0013 | 0.0008 |
| 908 R_square   |              | 66.4         | 61.2   | 69.8   | 69.0   | 84.1   | 86.8   | 85.1   |

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

ONTARIO  
Elora  
Registration Trial C  
Expt. 2743  
Seeded 1997

|                |              | 2000 (kg/ha) |        |        |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 6448         | 2849   | 2311   | 11534  | 14264  | 10164  | 35658  |
| 1074           | ARROW        | 5448         | 2590   | 2051   | 10153  | 14845  | 9442   | 34567  |
| 1098           | MAGNUM_III   | 5813         | 3053   | 2393   | 11222  | 15973  | 10172  | 37134  |
| 1248           | JAVELIN      | 6110         | 3040   | 2406   | 11665  | 14627  | 9906   | 36345  |
| 1285           | FORERUNNER   | 5582         | 2669   | 2149   | 10398  | 16232  | 9927   | 36603  |
| 1424           | 92-28        | 5817         | 2742   | 2278   | 10798  | 16046  | 10118  | 36866  |
| 1426           | A9305        | 5861         | 2633   | 2077   | 10632  | 14972  | 9714   | 35700  |
| 1430           | ZG9431       | 6420         | 2883   | 2307   | 11680  | 14598  | 9346   | 35808  |
| 1432           | A2693        | 6414         | 3310   | 2602   | 12233  | 15587  | 10549  | 38150  |
| 1433           | A2993        | 6568         | 2817   | 2388   | 11747  | 16648  | 9859   | 38377  |
| 1435           | YAL_55       | 6136         | 3471   | 2656   | 12273  | 15253  | 10284  | 37761  |
| 1437           | WL326_GZ     | 5987         | 3239   | 2549   | 11776  | 15626  | 10357  | 37705  |
| 1445           | TRUENORTH    | 6017         | 2986   | 2371   | 11372  | 15873  | 9869   | 37087  |
| 1447           | MILLENNIUM   | 5866         | 3173   | 2522   | 11541  | 15908  | 10162  | 37137  |
| 1449           | SPUR         | 5928         | 2763   | 2248   | 10929  | 15393  | 9087   | 35471  |
| 1451           | A9118        | 6296         | 2700   | 2205   | 11226  | 15131  | 10126  | 36504  |
| 1453           | ZB9546       | 5570         | 2904   | 2312   | 10763  | 15412  | 9611   | 35617  |
| 1455           | ZG9644C      | 5994         | 2779   | 2303   | 11070  | 14910  | 8603   | 34855  |
| 1457           | AC_VIVA      | 5623         | 3062   | 2381   | 11033  | 15149  | 9415   | 35671  |
| 1462           | NS3317       | 5833         | 2746   | 2193   | 10834  | 15016  | 9579   | 35599  |
| 1464           | TMF_GENERATI | 5899         | 2734   | 2138   | 10822  | 15057  | 10041  | 36051  |
| 1467           | A3494        | 6240         | 2734   | 2102   | 11003  | 15765  | 9411   | 36073  |
| 9053           | CENTURION    | 5298         | 2458   | 2116   | 9853   | 14622  | 10218  | 34685  |
| 900 Mean       |              | 5964         | 2884   | 2307   | 11155  | 15344  | 9824   | 36323  |
| 901 CV         |              | 7.6          | 8.1    | 7.1    | 5.6    | 5.0    | 4.6    | 2.9    |
| 905 MCV        |              | 8.9          | 9.6    | 8.3    | 6.6    | 5.9    | 5.5    | 3.5    |
| 902 LSD        |              | 533.6        | 277.6  | 192.6  | 734.8  | 911.1  | 538.7  | 1265.0 |
| 906 LSR        |              | 42.0         | 27.4   | 31.8   | 30.4   | 38.2   | 27.7   | 33.2   |
| 907 Pr>F(Trts) |              | 0.0083       | 0.0000 | 0.0000 | 0.0000 | 0.0033 | 0.0000 | 0.0000 |
| 908 R_square   |              | 69.2         | 75.5   | 66.8   | 73.5   | 87.3   | 63.3   | 80.3   |

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

ONTARIO  
 New Liskeard  
 Alfalfa Reg C 97  
 Expt. 9703  
 Seeded 1997

|                |              | 2000 (kg/ha) |        |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 1001           | SARANAC      | 6567         | 4177   | 10767  | 6418   | 14381  | 31318  |
| 1074           | ARROW        | 6625         | 4092   | 10759  | 6666   | 14373  | 32270  |
| 1098           | MAGNUM_III   | 6096         | 4493   | 10566  | 7302   | 14389  | 32101  |
| 1248           | JAVELIN      | 6076         | 4430   | 10463  | 6570   | 14876  | 31830  |
| 1285           | FORERUNNER   | 6427         | 4482   | 10932  | 7044   | 14363  | 32240  |
| 1424           | 92-28        | 6377         | 4542   | 10715  | 6854   | 15065  | 32516  |
| 1426           | A9305        | 6998         | 4913   | 11969  | 7610   | 14578  | 34564  |
| 1430           | ZG9431       | 6464         | 4107   | 10604  | 6980   | 14183  | 31662  |
| 1432           | A2693        | 7004         | 4128   | 11218  | 6548   | 14039  | 32085  |
| 1433           | A2993        | 6329         | 4892   | 11133  | 6791   | 14415  | 32552  |
| 1435           | YAL_55       | 6126         | 4459   | 10625  | 7019   | 14449  | 32078  |
| 1437           | WL326_GZ     | 5863         | 4322   | 10195  | 6744   | 14294  | 31550  |
| 1445           | TRUENORTH    | 6352         | 4834   | 11173  | 7019   | 14727  | 32644  |
| 1447           | MILLENNIUM   | 6478         | 4584   | 10960  | 7168   | 14083  | 31828  |
| 1449           | SPUR         | 6512         | 4422   | 10784  | 6692   | 14017  | 31613  |
| 1451           | A9118        | 6125         | 4413   | 10590  | 7475   | 15115  | 33309  |
| 1453           | ZB9546       | 6113         | 4422   | 10607  | 6304   | 15297  | 31990  |
| 1455           | ZG9644C      | 5741         | 4750   | 10542  | 6687   | 14307  | 31650  |
| 1457           | AC_VIVA      | 6502         | 4830   | 11244  | 7018   | 14922  | 33078  |
| 1462           | NS3317       | 6207         | 4642   | 10886  | 6630   | 14065  | 31532  |
| 1464           | TMF_GENERATI | 6822         | 4651   | 11612  | 6972   | 14771  | 33196  |
| 1467           | A3494        | 6715         | 4365   | 11031  | 7430   | 15225  | 33543  |
| 9053           | CENTURION    | 6775         | 5224   | 12094  | 6974   | 15498  | 34663  |
| 900 Mean       |              | 6404         | 4529   | 10933  | 6909   | 14584  | 32427  |
| 901 CV         |              | 7.3          | 12.3   | 6.9    | 7.7    | 4.0    | 3.2    |
| 905 MCV        |              | 8.7          | 14.5   | 8.2    | 9.1    | 4.7    | 3.8    |
| 902 LSD        |              | 555.7        | 657.7  | 897.2  | 628.3  | 687.9  | 1236.4 |
| 906 LSR        |              | 44.0         | 58.1   | 47.3   | 48.1   | 46.4   | 37.0   |
| 907 Pr>F(Trts) |              | 0.0207       | 0.5257 | 0.1716 | 0.0968 | 0.0135 | 0.0012 |
| 908 R_square   |              | 50.2         | 34.7   | 44.0   | 46.8   | 71.1   | 62.9   |

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

ONTARIO  
Huron Research Station  
Alfalfa Reg C  
Expt. 1089  
Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot98  | 2yrTot |
| 1001           | SARANAC      | 10172  | 5076   | 2176   | 17530  | 8720   | 26280  |
| 1074           | ARROW        | 9238   | 4811   | 2133   | 16092  | 8291   | 24159  |
| 1098           | MAGNUM_III   | 9913   | 5180   | 2399   | 17514  | 7846   | 25339  |
| 1248           | JAVELIN      | 9902   | 5023   | 2319   | 17141  | 7620   | 24734  |
| 1285           | FORERUNNER   | 9389   | 5094   | 1998   | 16660  | 7600   | 24383  |
| 1424           | 92-28        | 9763   | 5564   | 2301   | 17664  | 7672   | 25353  |
| 1426           | A9305        | 9338   | 3993   | 1789   | 15059  | 7041   | 22095  |
| 1430           | ZG9431       | 9779   | 5440   | 2382   | 17642  | 7478   | 25105  |
| 1432           | A2693        | 10269  | 5302   | 2487   | 17976  | 8426   | 26351  |
| 1433           | A2993        | 9505   | 4808   | 2114   | 16247  | 7572   | 23704  |
| 1435           | YAL_55       | 9886   | 5539   | 2690   | 18129  | 7843   | 25952  |
| 1437           | WL326_GZ     | 9497   | 5369   | 2520   | 17365  | 6878   | 24192  |
| 1445           | TRUENORTH    | 9531   | 5174   | 2152   | 16849  | 7607   | 24533  |
| 1447           | MILLENNIUM   | 9320   | 5315   | 2518   | 17113  | 7522   | 24747  |
| 1449           | SPUR         | 9559   | 4724   | 2309   | 16453  | 7551   | 23763  |
| 1451           | A9118        | 9315   | 4585   | 1916   | 15890  | 7609   | 23620  |
| 1453           | ZB9546       | 8957   | 5119   | 2622   | 16718  | 6968   | 23865  |
| 1455           | ZG9644C      | 9373   | 4995   | 2313   | 16649  | 7417   | 24016  |
| 1457           | AC_VIVA      | 10163  | 5697   | 2547   | 18484  | 7825   | 26365  |
| 1462           | NS3317       | 10406  | 5322   | 2431   | 18190  | 7971   | 26148  |
| 1464           | TMF_GENERATI | 9901   | 4951   | 1966   | 16851  | 7733   | 24696  |
| 9053           | CENTURION    | 9799   | 5057   | 2350   | 17329  | 8206   | 25542  |
| 900 Mean       |              | 9681   | 5097   | 2292   | 17070  | 7700   | 24770  |
| 901 CV         |              | 5.7    | 10.4   | 13.8   | 6.3    | 6.8    | 5.1    |
| 905 MCV        |              | 6.8    | 12.3   | 16.3   | 7.5    | 8.1    | 6.1    |
| 902 LSD        |              | 656.4  | 626.3  | 374.4  | 1276.6 | 622.5  | 1505.1 |
| 906 LSR        |              | 45.3   | 36.8   | 41.6   | 37.3   | 33.8   | 35.2   |
| 907 Pr>F(Trts) |              | 0.0375 | 0.0196 | 0.0070 | 0.0056 | 0.0010 | 0.0008 |
| 908 R_square   |              | 73.4   | 66.3   | 63.0   | 71.1   | 87.7   | 81.3   |

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

ONTARIO  
Elora  
Registration Trial A  
Expt. 2751  
Seeded 1998

| 2000 (kg/ha)   |           |        |        |        |        |        |        |
|----------------|-----------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar  | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC   | 8529   | 3782   | 2557   | 14866  | 11928  | 26632  |
| 1074           | ARROW     | 8244   | 3482   | 2487   | 14325  | 11608  | 25855  |
| 1298           | 5312      | 8432   | 3501   | 2537   | 14502  | 11657  | 26244  |
| 1459           | CW5407    | 7963   | 3795   | 2935   | 14737  | 11047  | 25753  |
| 1460           | 9429      | 8284   | 4061   | 2948   | 15176  | 11297  | 26426  |
| 1463           | ARREST    | 8057   | 3465   | 2410   | 14004  | 10682  | 24585  |
| 1474           | GENEVA    | 8832   | 3981   | 3045   | 15838  | 12309  | 28345  |
| 1475           | NS98-3    | 8619   | 3911   | 3026   | 15515  | 11810  | 27487  |
| 1478           | CW5435    | 8493   | 3834   | 2880   | 15271  | 11694  | 26933  |
| 1479           | CW6304    | 8512   | 3922   | 2937   | 15411  | 12250  | 27662  |
| 1480           | FQ314     | 8834   | 3995   | 2818   | 15596  | 12305  | 27912  |
| 1481           | FQ315     | 9018   | 3783   | 2877   | 15765  | 12063  | 27801  |
| 1482           | CW5440    | 8785   | 4074   | 3015   | 15789  | 12287  | 27994  |
| 1487           | ABT_227LH | 8373   | 3451   | 2355   | 14209  | 11000  | 25382  |
| 1489           | WL232HQ   | 8564   | 3677   | 2818   | 15107  | 11658  | 26664  |
| 1490           | BARALFA   | 7569   | 3608   | 2821   | 13833  | 12018  | 25950  |
| 1491           | A9421     | 9038   | 3775   | 2650   | 15439  | 11574  | 26815  |
| 1492           | QS-75     | 7917   | 3600   | 2545   | 13883  | 10660  | 24566  |
| 1493           | TMF_421   | 8087   | 3408   | 2528   | 14255  | 11777  | 26054  |
| 9053           | CENTURION | 8714   | 3582   | 2554   | 14773  | 11798  | 26654  |
| 900 Mean       |           | 8443   | 3734   | 2737   | 14915  | 11671  | 26586  |
| 901 CV         |           | 5.1    | 5.1    | 4.4    | 4.0    | 3.9    | 3.4    |
| 905 MCV        |           | 6.1    | 6.0    | 5.3    | 4.8    | 4.6    | 4.0    |
| 902 LSD        |           | 516.8  | 225.2  | 143.8  | 710.1  | 536.6  | 1063.5 |
| 906 LSR        |           | 35.2   | 33.8   | 20.8   | 35.4   | 32.5   | 28.1   |
| 907 Pr>F(Trts) |           | 0.0005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 908 R_square   |           | 67.2   | 76.0   | 84.7   | 71.2   | 94.9   | 89.4   |

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



ONTARIO  
 New Liskeard  
 Alfalfa A 98  
 Expt. 9801  
 Seeded 1998

|                |           | 2000 (kg/ha) |        |        |        |        |
|----------------|-----------|--------------|--------|--------|--------|--------|
| Code           | Cultivar  | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC   | 5824         | 6005   | 11944  | 11597  | 23710  |
| 1074           | ARROW     | 6803         | 5759   | 12555  | 12356  | 25040  |
| 1298           | 5312      | 6275         | 5756   | 12213  | 11703  | 24099  |
| 1459           | CW5407    | 5614         | 6139   | 11716  | 11265  | 23024  |
| 1460           | 9429      | 6287         | 5978   | 12161  | 11867  | 23888  |
| 1463           | ARREST    | 5946         | 5616   | 11433  | 11022  | 22457  |
| 1474           | GENEVA    | 5932         | 6285   | 12165  | 11130  | 23357  |
| 1475           | NS98-3    | 5524         | 5595   | 11172  | 11776  | 22848  |
| 1478           | CW5435    | 6176         | 5795   | 11875  | 11468  | 23265  |
| 1479           | CW6304    | 6135         | 6229   | 12397  | 11665  | 24175  |
| 1480           | FQ314     | 6229         | 6141   | 12469  | 11784  | 24157  |
| 1481           | FQ315     | 6013         | 6427   | 12233  | 11536  | 23629  |
| 1482           | CW5440    | 6523         | 6196   | 12775  | 11630  | 24609  |
| 1487           | ABT_227LH | 6336         | 5809   | 12267  | 12117  | 24228  |
| 1489           | WL232HQ   | 6299         | 6580   | 12722  | 11222  | 23590  |
| 1490           | BARALFA   | 5885         | 5321   | 11225  | 11211  | 22544  |
| 1491           | A9421     | 6430         | 6065   | 12477  | 11945  | 24559  |
| 1492           | QS-75     | 6339         | 5603   | 11798  | 11422  | 23274  |
| 1493           | TMF_421   | 6017         | 5625   | 11888  | 11337  | 23362  |
| 9053           | CENTURION | 6123         | 5711   | 11856  | 12176  | 23755  |
| 900 Mean       |           | 6135         | 5932   | 12067  | 11611  | 23679  |
| 901 CV         |           | 8.0          | 13.3   | 8.1    | 5.6    | 4.6    |
| 905 MCV        |           | 9.5          | 15.8   | 9.6    | 6.7    | 5.5    |
| 902 LSD        |           | 585.4        | 938.1  | 1159.3 | 778.3  | 1305.0 |
| 906 LSR        |           | 45.8         | 74.5   | 72.3   | 58.3   | 50.5   |
| 907 Pr>F(Trts) |           | 0.1159       | 0.8507 | 0.6276 | 0.2632 | 0.1219 |
| 908 R_square   |           | 61.6         | 18.5   | 34.8   | 52.2   | 56.2   |

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

KAPUSKASING 2000  
 EXP: 6338  
 1998 OFCC ALFALFA REGISTRATION "A"

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| NS98-3    | 1475 | 3807 | 2346 | 6153  |
| CENTURION | 9053 | 3534 | 2091 | 5625  |
| 5312      | 1298 | 3476 | 2016 | 5492  |
| SARANAC   | 1001 | 3617 | 2288 | 5905  |
| CW5435    | 1478 | 3178 | 2100 | 5278  |
| CW5302    | 1481 | 3203 | 1987 | 5190  |
| CW5407    | 1459 | 3179 | 1956 | 5135  |
| CW6304    | 1479 | 3045 | 1956 | 5001  |
| BARALFA   | 1490 | 3150 | 1773 | 4923  |
| ARROW     | 1074 | 3162 | 1810 | 4972  |
| ABT 227LH | 1487 | 2812 | 1472 | 4284  |
| CW5440    | 1482 | 3007 | 1890 | 4897  |
| GENEVA    | 1474 | 2960 | 1729 | 4689  |
| QS-75     | 1492 | 3150 | 1781 | 4931  |
| FQ 313    | 1480 | 3009 | 1692 | 4701  |
| TMF 421   | 1493 | 3273 | 1612 | 4885  |
| ARREST    | 1463 | 2997 | 1671 | 4668  |
| CW5426    | 1460 | 2864 | 1779 | 4643  |
| WL232HQ   | 1489 | 2657 | 1720 | 4377  |
| A9421     | 1491 | 2713 | 1710 | 4423  |
| MEAN      |      | 3140 | 1869 | 5009  |
| C.V. %    |      | 12.6 | 14.4 | 12.4  |
| F         |      | NS   | *    | *     |
| L.S.D.5%  |      | 656  | 445  | 1027  |

RCBD arrangement, 3 blocks {123}

HARVEST DATES : 07/05/2000 08/12/2000

ONTARIO  
Huron Research St  
Alfalfa Registration A  
Expt. 1190  
Seeded 1998

| 2000 (kg/ha) |            |        |        |        |        |        |        |
|--------------|------------|--------|--------|--------|--------|--------|--------|
| Code         | Cultivar   | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | 2yrTot |
| 1001         | SARANAC    | 11472  | 6267   | 2446   | 20109  | 10716  | 30749  |
| 1074         | ARROW      | 11730  | 6632   | 2474   | 20605  | 10102  | 30461  |
| 1298         | 5312       | 11936  | 6764   | 2705   | 21532  | 11478  | 33216  |
| 1459         | CW5407     | 11562  | 6149   | 2919   | 20538  | 9354   | 29606  |
| 1460         | 9429       | 12303  | 5634   | 2598   | 20442  | 10880  | 31205  |
| 1463         | ARREST     | 11130  | 5862   | 2313   | 19339  | 9271   | 28741  |
| 1474         | GENEVA     | 13074  | 6017   | 3076   | 22420  | 10845  | 33458  |
| 1475         | NS98-3     | 12606  | 6398   | 3138   | 22269  | 9631   | 31496  |
| 1478         | CW5435     | 11675  | 5747   | 2795   | 20250  | 10369  | 30963  |
| 1479         | CW6304     | 11460  | 6093   | 3018   | 20594  | 10640  | 31438  |
| 1480         | FQ314      | 11570  | 6648   | 2595   | 20906  | 11327  | 32106  |
| 1481         | FQ315      | 12151  | 6467   | 2897   | 21628  | 9743   | 31391  |
| 1482         | CW5440     | 10886  | 5959   | 3185   | 19937  | 10628  | 30298  |
| 1487         | ABT_227LH  | 10950  | 6420   | 2453   | 19825  | 9543   | 29529  |
| 1489         | WL232HQ    | 10919  | 6318   | 3126   | 20587  | 9952   | 30460  |
| 1490         | BARALFA    | 9972   | 6348   | 2757   | 19427  | 11344  | 30402  |
| 1491         | A9421      | 11645  | 6387   | 2814   | 20730  | 10678  | 31385  |
| 1492         | QS-75      | 12412  | 6163   | 2464   | 20687  | 9832   | 30576  |
| 1493         | TMF_421    | 11383  | 6743   | 2938   | 20729  | 11165  | 32171  |
| 9053         | CENTURION  | 11340  | 6601   | 2884   | 20833  | 10161  | 31397  |
| 900          | Mean       | 11609  | 6281   | 2780   | 20669  | 10383  | 31052  |
| 901          | CV         | 7.6    | 7.7    | 11.9   | 6.4    | 9.9    | 6.8    |
| 905          | MCV        | 9.1    | 9.1    | 14.2   | 7.6    | 11.8   | 8.1    |
| 902          | LSD        | 1054.6 | 572.8  | 393.7  | 1565.1 | 1220.3 | 2503.7 |
| 906          | LSR        | 34.0   | 50.7   | 45.1   | 50.8   | 55.3   | 53.1   |
| 907          | Pr>F(Trts) | 0.0051 | 0.0433 | 0.0043 | 0.1196 | 0.0517 | 0.3337 |
| 908          | R_square   | 53.3   | 61.2   | 57.8   | 48.8   | 72.1   | 43.7   |

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

ONTARIO  
Kemptville  
ALFALFA REG A 98  
Seeded 1998

| Code          | Cultivar  | 2000 (kg/ha) |       |       |        |
|---------------|-----------|--------------|-------|-------|--------|
|               |           | Cut 1        | Cut 2 | Cut 3 | Total  |
| 1001          | SARANAC   | 4625         | 4716  | 5000  | 14341  |
| 1074          | ARROW     | 3960         | 4555  | 4763  | 13278  |
| 1298          | 5312      | 4329         | 4691  | 4713  | 13734  |
| 1459          | CW5407    | 4230         | 4404  | 5038  | 13672  |
| 1460          | CW5426    | 4113         | 4872  | 4933  | 13918  |
| 1463          | ARREST    | 4371         | 4099  | 4504  | 12974  |
| 1474          | GENEVA    | 4307         | 4417  | 5197  | 13921  |
| 1475          | NS98-3    | 4941         | 4498  | 4608  | 14047  |
| 1478          | CW5435    | 3952         | 4597  | 4742  | 13291  |
| 1479          | CW6304    | 4550         | 4537  | 5176  | 14263  |
| 1480          | FQ314     | 4451         | 5044  | 4612  | 14107  |
| 1481          | CW5302    | 4494         | 5119  | 5204  | 14817  |
| 1482          | CW5440    | 3759         | 4676  | 4860  | 13295  |
| 1487          | ABT 227LH | 4323         | 4237  | 4464  | 13025  |
| 1489          | WL232HQ   | 4406         | 4533  | 4766  | 13706  |
| 1490          | BARALFA   | 4347         | 4540  | 4924  | 13811  |
| 1491          | A9421     | 3764         | 4128  | 4804  | 12696  |
| 1492          | QS-75     | 3986         | 4684  | 4718  | 13388  |
| 1493          | TMF 421   | 4767         | 4596  | 5004  | 14366  |
| 9053          | CENTURION | 3807         | 4579  | 4672  | 13057  |
| Harvest means |           | 4274         | 4576  | 4835  | 13685  |
| CV %          |           | 10.4         | 8.9   | 6.8   | 6.2    |
| LSD (5%)      |           | 615.2        | 566.0 | 453.2 | 1179.6 |

RCBD arrangement, 3 Blocks {234}

ONTARIO  
 Elora  
 Registration Trial B  
 Expt. 2752  
 Seeded 1998

|                |              | 2000 (kg/ha) |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  |
| 1001           | SARANAC      | 9024         | 4245   | 2660   | 15912  |
| 1074           | ARROW        | 9028         | 4211   | 2550   | 15828  |
| 1298           | 5312         | 8981         | 4291   | 2562   | 15846  |
| 1444           | SAFEGUARD    | 8016         | 4254   | 2445   | 14693  |
| 1446           | AVENGER      | 8598         | 4274   | 2582   | 15465  |
| 1448           | PICKSD8925MF | 9236         | 4401   | 2725   | 16387  |
| 1450           | W110         | 8530         | 4539   | 2842   | 15882  |
| 1452           | A9304        | 9355         | 4499   | 2682   | 16527  |
| 1454           | ZG9643C      | 8625         | 4227   | 2608   | 15478  |
| 1456           | ZN9543C      | 8847         | 4334   | 2859   | 16078  |
| 1458           | DK143        | 8986         | 4724   | 2968   | 16677  |
| 1461           | 5347LH       | 8355         | 4084   | 2402   | 14813  |
| 1465           | MULTIPLIER_I | 8847         | 4216   | 2604   | 15741  |
| 1468           | DK140        | 9026         | 4469   | 2762   | 16188  |
| 1470           | TRAILBLAZER  | 8496         | 3748   | 2042   | 14241  |
| 1471           | ENHANCER     | 9393         | 4392   | 2932   | 16766  |
| 1472           | BPR_374      | 8845         | 4534   | 2937   | 16322  |
| 1476           | A9423        | 8511         | 4288   | 2636   | 15431  |
| 1483           | ABI_9142     | 9059         | 4411   | 2654   | 16135  |
| 1486           | AC_BRADOR    | 8957         | 4456   | 2834   | 16223  |
| 1495           | GH757        | 9126         | 4231   | 2589   | 15948  |
| 1496           | Y53H63       | 8056         | 4019   | 2232   | 14270  |
| 9041           | ONEIDA_VR    | 8082         | 4360   | 2788   | 15224  |
| 9053           | CENTURION    | 8778         | 4436   | 2655   | 15876  |
| 900 Mean       |              | 8782         | 4319   | 2648   | 15748  |
| 901 CV         |              | 5.5          | 5.5    | 4.8    | 4.4    |
| 905 MCV        |              | 6.6          | 6.5    | 5.7    | 5.2    |
| 902 LSD        |              | 575.2        | 279.1  | 151.1  | 825.3  |
| 906 LSR        |              | 41.8         | 28.6   | 16.3   | 32.7   |
| 907 Pr>F(Trts) |              | 0.0018       | 0.0012 | 0.0000 | 0.0000 |
| 908 R_square   |              | 60.5         | 65.4   | 81.9   | 62.4   |

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

ONTARIO  
 Thunder Bay  
 Alfalfa Reg B 98  
 Expt. 7283  
 Seeded 1998

|                |              | 2000 (kg/ha) |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC      | 5023         | 3495   | 8278   | 9688   | 17718  |
| 1074           | ARROW        | 5028         | 2524   | 7424   | 10093  | 17578  |
| 1298           | 5312         | 5378         | 3046   | 8443   | 9400   | 17988  |
| 1444           | SAFEGUARD    | 3873         | 2635   | 6569   | 9563   | 16315  |
| 1446           | AVENGER      | 4597         | 2664   | 7237   | 9408   | 16881  |
| 1448           | PICKSD8925MF | 4817         | 3064   | 7877   | 9849   | 17792  |
| 1450           | W110         | 4833         | 2896   | 7609   | 9369   | 17280  |
| 1452           | A9304        | 4561         | 2865   | 7496   | 10067  | 17463  |
| 1454           | ZG9643C      | 4897         | 2602   | 7443   | 9953   | 17553  |
| 1456           | ZN9543C      | 4549         | 2936   | 7487   | 9630   | 17152  |
| 1458           | DK143        | 5062         | 3469   | 8714   | 9509   | 18096  |
| 1461           | 5347LH       | 4298         | 2651   | 6946   | 10074  | 17157  |
| 1465           | MULTIPLIER_I | 4653         | 2541   | 7263   | 9580   | 16747  |
| 1468           | DK140        | 4860         | 2934   | 7667   | 9817   | 17304  |
| 1470           | TRAILBLAZER  | 3799         | 2734   | 6538   | 10310  | 16538  |
| 1471           | ENHANCER     | 5208         | 3051   | 8398   | 10135  | 18370  |
| 1472           | BPR_374      | 4935         | 2775   | 7853   | 9667   | 17676  |
| 1476           | A9423        | 4104         | 2799   | 6910   | 9846   | 16959  |
| 1483           | ABI_9142     | 4327         | 2812   | 7033   | 10357  | 16946  |
| 1486           | AC_BRADOR    | 4820         | 3305   | 8184   | 10516  | 18522  |
| 1495           | GH757        | 4651         | 2863   | 7608   | 10109  | 17913  |
| 1496           | Y53H63       | 4253         | 2880   | 7078   | 9246   | 16463  |
| 9041           | ONEIDA_VR    | 4654         | 3072   | 7650   | 9798   | 17238  |
| 9053           | CENTURION    | 4391         | 2665   | 7145   | 9883   | 17065  |
| 900 Mean       |              | 4649         | 2887   | 7535   | 9828   | 17363  |
| 901 CV         |              | 11.6         | 11.2   | 9.1    | 4.9    | 4.6    |
| 905 MCV        |              | 13.7         | 13.3   | 10.8   | 5.8    | 5.4    |
| 902 LSD        |              | 639.1        | 383.0  | 812.8  | 570.9  | 934.9  |
| 906 LSR        |              | 40.5         | 39.4   | 37.4   | 45.0   | 42.4   |
| 907 Pr>F(Trts) |              | 0.0099       | 0.0010 | 0.0006 | 0.0426 | 0.0074 |
| 908 R_square   |              | 70.3         | 49.6   | 62.1   | 51.2   | 64.0   |

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

ONTARIO  
 New Liskeard  
 Alfalfa B 1998  
 Expt. 9802  
 Seeded 1998

|                |              | 2000 (kg/ha) |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC      | 7170         | 7328   | 14602  | 10470  | 25033  |
| 1074           | ARROW        | 6771         | 6711   | 13395  | 11452  | 24777  |
| 1298           | 5312         | 7014         | 7519   | 14491  | 11244  | 25780  |
| 1444           | SAFEGUARD    | 6250         | 6433   | 12619  | 10812  | 23384  |
| 1446           | AVENGER      | 6301         | 6870   | 13208  | 11429  | 24739  |
| 1448           | PICKSD8925MF | 7064         | 6592   | 13596  | 10633  | 24263  |
| 1450           | W110         | 6947         | 6634   | 13628  | 11195  | 24808  |
| 1452           | A9304        | 7094         | 6539   | 13514  | 11485  | 24973  |
| 1454           | ZG9643C      | 6769         | 6727   | 13413  | 10946  | 24462  |
| 1456           | ZN9543C      | 6689         | 6589   | 13412  | 10283  | 23651  |
| 1458           | DK143        | 6472         | 6561   | 13256  | 11099  | 24356  |
| 1461           | 5347LH       | 7080         | 6632   | 13846  | 11208  | 24918  |
| 1465           | MULTIPLIER_I | 7260         | 7473   | 14787  | 10270  | 25188  |
| 1468           | DK140        | 6742         | 6757   | 13589  | 11127  | 24631  |
| 1470           | TRAILBLAZER  | 6883         | 6904   | 13776  | 10638  | 24449  |
| 1471           | ENHANCER     | 6503         | 7689   | 14118  | 10962  | 25064  |
| 1472           | BPR_374      | 6547         | 6729   | 13105  | 11335  | 24455  |
| 1476           | A9423        | 6447         | 6690   | 13200  | 11565  | 24689  |
| 1483           | ABI_9142     | 6964         | 7165   | 14166  | 10728  | 24865  |
| 1486           | AC_BRADOR    | 6464         | 6991   | 13264  | 10503  | 23713  |
| 1495           | GH757        | 7137         | 7064   | 14180  | 12128  | 26390  |
| 1496           | Y53H63       | 6922         | 6900   | 13744  | 10711  | 24527  |
| 9041           | ONEIDA_VR    | 6832         | 7482   | 14369  | 10282  | 24706  |
| 9053           | CENTURION    | 6915         | 7505   | 14443  | 11574  | 25982  |
| 900 Mean       |              | 6802         | 6937   | 13738  | 11003  | 24742  |
| 901 CV         |              | 7.2          | 11.3   | 7.1    | 5.4    | 4.5    |
| 905 MCV        |              | 8.5          | 13.3   | 8.4    | 6.3    | 5.3    |
| 902 LSD        |              | 581.3        | 924.3  | 1160.2 | 698.6  | 1318.4 |
| 906 LSR        |              | 57.6         | 73.6   | 53.5   | 37.6   | 43.9   |
| 907 Pr>F(Trts) |              | 0.1742       | 0.6197 | 0.2597 | 0.0011 | 0.1161 |
| 908 R_square   |              | 38.9         | 28.7   | 36.6   | 63.1   | 47.6   |

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

ONTARIO  
Huron Research St  
Alfalfa Registration B  
Expt. 1191  
Seeded 1998

|                |              | 2000 (kg/ha) |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  |
| 1001           | SARANAC      | 12282        | 7197   | 3435   | 23069  |
| 1074           | ARROW        | 10394        | 7061   | 3127   | 20272  |
| 1298           | 5312         | 12155        | 7060   | 3193   | 22519  |
| 1444           | SAFEGUARD    | 10395        | 6149   | 2938   | 19206  |
| 1446           | AVENGER      | 10934        | 6354   | 3342   | 20596  |
| 1448           | PICKSD8925MF | 11725        | 6240   | 3130   | 21329  |
| 1450           | W110         | 10964        | 6154   | 3184   | 20031  |
| 1452           | A9304        | 11765        | 7207   | 3289   | 22472  |
| 1454           | ZG9643C      | 10933        | 6101   | 3248   | 20331  |
| 1456           | ZN9543C      | 10685        | 6794   | 3441   | 21097  |
| 1458           | DK143        | 11532        | 6224   | 3928   | 21481  |
| 1461           | 5347LH       | 10941        | 5990   | 3018   | 19898  |
| 1465           | MULTIPLIER_I | 12124        | 5501   | 2686   | 20490  |
| 1468           | DK140        | 10506        | 6397   | 3250   | 20091  |
| 1470           | TRAILBLAZER  | 10248        | 7228   | 2840   | 20151  |
| 1471           | ENHANCER     | 11738        | 6025   | 3383   | 21263  |
| 1472           | BPR_374      | 11563        | 6899   | 3585   | 21880  |
| 1476           | A9423        | 12270        | 6999   | 3260   | 22579  |
| 1483           | ABI_9142     | 10410        | 6257   | 2982   | 19798  |
| 1486           | AC_BRADOR    | 11964        | 6197   | 3304   | 21604  |
| 1495           | GH757        | 11886        | 7079   | 3376   | 22414  |
| 1496           | Y53H63       | 11074        | 6887   | 2779   | 20689  |
| 9041           | ONEIDA_VR    | 10423        | 6284   | 3046   | 19699  |
| 9053           | CENTURION    | 11777        | 6859   | 3312   | 21951  |
| 900 Mean       |              | 11279        | 6548   | 3212   | 21038  |
| 901 CV         |              | 7.6          | 8.5    | 9.3    | 5.7    |
| 905 MCV        |              | 8.9          | 10.0   | 11.0   | 6.7    |
| 902 LSD        |              | 1006.9       | 656.4  | 351.8  | 1414.1 |
| 906 LSR        |              | 49.5         | 38.0   | 28.3   | 36.6   |
| 907 Pr>F(Trts) |              | 0.0019       | 0.0004 | 0.0001 | 0.0001 |
| 908 R_square   |              | 54.6         | 70.1   | 70.9   | 68.1   |

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



ONTARIO  
Kemptville  
ALFALFA REG B 98  
Seeded 1998

|               |              | 2000 (kg/ha) |       |       |        |
|---------------|--------------|--------------|-------|-------|--------|
| Code          | Cultivar     | Cut 1        | Cut 2 | Cut 3 | Total  |
| 1001          | SARANAC      | 4840         | 4373  | 4036  | 13249  |
| 1074          | ARROW        | 4639         | 3807  | 4247  | 12693  |
| 1298          | 5312         | 6251         | 3781  | 4260  | 14292  |
| 1444          | SAFEGUARD    | 4168         | 4219  | 4100  | 12486  |
| 1446          | AVENGER      | 5028         | 4263  | 4213  | 13504  |
| 1448          | PICKSD8925MF | 4417         | 4429  | 4262  | 13108  |
| 1450          | W110         | 5243         | 4123  | 4441  | 13807  |
| 1452          | A9304        | 4409         | 4009  | 4276  | 12693  |
| 1454          | ZG9643C      | 4639         | 4271  | 4312  | 13222  |
| 1456          | ZN9543C      | 4412         | 3598  | 4069  | 12079  |
| 1458          | DK143        | 5343         | 4461  | 4868  | 14672  |
| 1461          | 5347LH       | 4828         | 4142  | 4199  | 13170  |
| 1465          | TMF MULTIPLI | 4550         | 4246  | 4326  | 13122  |
| 1468          | DK140        | 4946         | 4349  | 4551  | 13847  |
| 1470          | TRAILBLAZER  | 5064         | 3939  | 3925  | 12928  |
| 1471          | ENHANCER     | 4864         | 4744  | 4446  | 14054  |
| 1472          | BPR 374      | 4324         | 4429  | 4419  | 13172  |
| 1476          | A9423        | 4343         | 3963  | 4108  | 12414  |
| 1483          | ABI 9142     | 4457         | 3970  | 4273  | 12699  |
| 1486          | SF9102       | 4794         | 4124  | 4148  | 13066  |
| 1495          | W215         | 5006         | 4173  | 4374  | 13552  |
| 1496          | Y53H63       | 4708         | 4140  | 4054  | 12902  |
| 9041          | ONEIDA VR    | 4083         | 3639  | 4008  | 11730  |
| 9053          | CENTURION    | 5048         | 3933  | 4075  | 13056  |
| Harvest means |              | 4767         | 4130  | 4250  | 13147  |
| CV %          |              | 12.3         | 8.4   | 5.7   | 6.3    |
| LSD (5%)      |              | 805.1        | 474.6 | 331.0 | 1142.7 |

RCBD arrangement , 3 Blocks {234}

ONTARIO  
Elora  
Registration Trial C  
Expt. 2753  
Seeded 1998

| 2000 (kg/ha)   |              |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC      | 7364   | 4349   | 2261   | 14033  | 12739  | 26395  |
| 1073           | SURPASS      | 7310   | 4093   | 2208   | 13618  | 12458  | 25914  |
| 1074           | ARROW        | 7358   | 4081   | 2110   | 13469  | 12837  | 26510  |
| 1096           | HORIZON      | 6885   | 4218   | 2195   | 13193  | 12163  | 25054  |
| 1103           | STARMASTER   | 6670   | 4037   | 2112   | 12937  | 12380  | 25542  |
| 1112           | APOLLO_SUPRE | 7118   | 4276   | 2254   | 13666  | 12627  | 26467  |
| 1298           | 5312         | 7548   | 4376   | 2193   | 14180  | 12804  | 26896  |
| 1445           | TRUENORTH    | 7013   | 4098   | 2308   | 13538  | 13167  | 26806  |
| 1447           | MILLENNIUM   | 7039   | 4164   | 2442   | 13681  | 13051  | 26978  |
| 1449           | SPUR         | 7008   | 4106   | 2332   | 13406  | 12556  | 25711  |
| 1451           | A9118        | 7535   | 4318   | 2305   | 14125  | 12783  | 26964  |
| 1453           | ZB9546       | 6331   | 3958   | 2180   | 12555  | 12571  | 25191  |
| 1455           | ZG9644C      | 7386   | 4266   | 2348   | 13934  | 12568  | 26576  |
| 1457           | AC_VIVA      | 6959   | 4521   | 2441   | 13799  | 12742  | 26524  |
| 1462           | NS3317       | 7203   | 3940   | 2189   | 13118  | 12504  | 25250  |
| 1464           | TMF_GENERATI | 6673   | 4243   | 2177   | 13055  | 12180  | 25174  |
| 1469           | DK121HG      | 6290   | 3588   | 1762   | 11825  | 11636  | 23369  |
| 1473           | DS9672       | 6917   | 4360   | 2489   | 13800  | 12700  | 26583  |
| 1477           | A9503        | 7084   | 4101   | 2211   | 13387  | 12180  | 25561  |
| 1484           | EMPEROR      | 6954   | 4108   | 2149   | 13313  | 12623  | 26079  |
| 1485           | YIELDER      | 6534   | 4089   | 2281   | 13020  | 11833  | 25056  |
| 1488           | C231         | 6950   | 4022   | 2207   | 13223  | 12902  | 26395  |
| 1494           | 53Q60        | 6756   | 4453   | 2428   | 13632  | 13184  | 26955  |
| 9006           | OAC_MINTO    | 6642   | 3411   | 1726   | 11554  | 11675  | 23002  |
| 9053           | CENTURION    | 7440   | 4271   | 2256   | 13914  | 13047  | 26930  |
| 900 Mean       |              | 6999   | 4138   | 2223   | 13359  | 12556  | 25915  |
| 901 CV         |              | 5.7    | 5.5    | 4.7    | 4.5    | 3.2    | 3.6    |
| 905 MCV        |              | 6.8    | 6.5    | 5.6    | 5.3    | 3.8    | 4.2    |
| 902 LSD        |              | 473.2  | 269.9  | 123.6  | 705.9  | 475.5  | 1098.3 |
| 906 LSR        |              | 37.6   | 24.3   | 16.2   | 26.9   | 30.7   | 27.6   |
| 907 Pr>F(Trts) |              | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 908 R_square   |              | 64.9   | 69.9   | 81.2   | 66.3   | 95.2   | 85.2   |

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

ONTARIO  
 Thunder Bay  
 Alfalfa Reg C 98  
 Expt. 7284  
 Seeded 1998

|                |              | 2000 (kg/ha) |        |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC      | 4615         | 3498   | 8054   | 10357  | 18319  |
| 1073           | SURPASS      | 4395         | 3524   | 7870   | 10532  | 18566  |
| 1074           | ARROW        | 3768         | 3582   | 7354   | 10762  | 18078  |
| 1096           | HORIZON      | 4093         | 3351   | 7445   | 10681  | 18009  |
| 1103           | STARMaster   | 4163         | 3554   | 7561   | 10556  | 18163  |
| 1112           | APOLLO_SUPRE | 4010         | 3298   | 7393   | 9768   | 17074  |
| 1298           | 5312         | 4335         | 3391   | 7728   | 10544  | 18173  |
| 1445           | TRUENORTH    | 4342         | 3363   | 7720   | 10494  | 18229  |
| 1447           | MILLENNIUM   | 4571         | 3428   | 8076   | 10040  | 18172  |
| 1449           | SPUR         | 3810         | 3424   | 7289   | 10301  | 17626  |
| 1451           | A9118        | 3948         | 3209   | 7305   | 10323  | 17696  |
| 1453           | ZB9546       | 3695         | 3738   | 7313   | 9913   | 17111  |
| 1455           | ZG9644C      | 4160         | 3216   | 7361   | 9903   | 17302  |
| 1457           | AC_VIVA      | 3827         | 3555   | 7328   | 10251  | 17518  |
| 1462           | NS3317       | 4463         | 3777   | 8165   | 10544  | 18709  |
| 1464           | TMF_GENERATI | 3809         | 3310   | 7169   | 10262  | 17482  |
| 1469           | DK121HG      | 3450         | 3763   | 7227   | 11118  | 18456  |
| 1473           | DS9672       | 4432         | 3167   | 7660   | 9748   | 17313  |
| 1477           | A9503        | 4038         | 3397   | 7397   | 11069  | 18613  |
| 1484           | EMPEROR      | 4101         | 3438   | 7607   | 10176  | 17673  |
| 1485           | YIELDER      | 3953         | 3159   | 7037   | 9952   | 16971  |
| 1488           | C231         | 4002         | 3274   | 7325   | 10698  | 18065  |
| 1494           | 53Q60        | 4948         | 3255   | 8209   | 10355  | 18603  |
| 9006           | OAC_MINTO    | 3649         | 3733   | 7284   | 10461  | 17678  |
| 9053           | CENTURION    | 4229         | 3749   | 8082   | 10347  | 18516  |
| 900 Mean       |              | 4112         | 3446   | 7558   | 10366  | 17925  |
| 901 CV         |              | 9.3          | 10.2   | 6.6    | 4.4    | 3.8    |
| 905 MCV        |              | 10.9         | 12.1   | 7.8    | 5.2    | 4.5    |
| 902 LSD        |              | 450.1        | 416.1  | 590.9  | 543.1  | 811.5  |
| 906 LSR        |              | 30.1         | 67.3   | 50.4   | 39.6   | 46.7   |
| 907 Pr>F(Trts) |              | 0.0001       | 0.2507 | 0.0248 | 0.0051 | 0.0027 |
| 908 R_square   |              | 72.1         | 33.9   | 62.6   | 56.9   | 65.3   |

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

ONTARIO  
 New Liskeard  
 Alfalfa C 1998  
 Expt. 9803  
 Seeded 1998

| 2000 (kg/ha)   |              |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 1001           | SARANAC      | 6275   | 6106   | 12255  | 10836  | 22933  |
| 1073           | SURPASS      | 6194   | 7194   | 13402  | 10653  | 24166  |
| 1074           | ARROW        | 5843   | 6194   | 12343  | 10937  | 23368  |
| 1096           | HORIZON      | 5811   | 6075   | 11726  | 10789  | 22517  |
| 1103           | STARMASER    | 6413   | 5875   | 12203  | 10977  | 23082  |
| 1112           | APOLLO_SUPRE | 6060   | 6086   | 12007  | 11051  | 23138  |
| 1298           | 5312         | 5932   | 4512   | 10619  | 11677  | 22334  |
| 1445           | TRUENORTH    | 5965   | 7279   | 13135  | 11252  | 24406  |
| 1447           | MILLENNIUM   | 5968   | 5734   | 11523  | 10917  | 22408  |
| 1449           | SPUR         | 5968   | 5466   | 11399  | 11319  | 22723  |
| 1451           | A9118        | 6231   | 6102   | 12538  | 10861  | 23388  |
| 1453           | ZB9546       | 6138   | 6516   | 12680  | 10791  | 23398  |
| 1455           | ZG9644C      | 5703   | 5746   | 11440  | 10567  | 22081  |
| 1457           | AC_VIVA      | 5245   | 6945   | 12336  | 11466  | 23816  |
| 1462           | NS3317       | 5642   | 6696   | 12418  | 10820  | 23231  |
| 1464           | TMF_GENERATI | 5680   | 6447   | 12107  | 11212  | 23263  |
| 1469           | DK121HG      | 5742   | 7082   | 12887  | 10861  | 23745  |
| 1473           | DS9672       | 6017   | 7034   | 13090  | 10402  | 23473  |
| 1477           | A9503        | 6225   | 5914   | 12245  | 10845  | 23140  |
| 1484           | EMPEROR      | 5629   | 6270   | 11720  | 10838  | 22635  |
| 1485           | YELDER       | 5069   | 6976   | 12257  | 9979   | 22199  |
| 1488           | C231         | 5873   | 6302   | 12103  | 11127  | 23166  |
| 1494           | 53Q60        | 5782   | 6718   | 12519  | 11279  | 23774  |
| 9006           | OAC_MINTO    | 5952   | 6464   | 12412  | 11265  | 23764  |
| 9053           | CENTURION    | 5596   | 6980   | 12300  | 11149  | 23388  |
| 900 Mean       |              | 5878   | 6348   | 12227  | 10955  | 23181  |
| 901 CV         |              | 10.4   | 18.8   | 10.3   | 4.8    | 5.8    |
| 905 MCV        |              | 12.3   | 22.2   | 12.1   | 5.6    | 6.9    |
| 902 LSD        |              | 723.2  | 1411.4 | 1482.2 | 617.4  | 1595.9 |
| 906 LSR        |              | 53.8   | 51.0   | 53.2   | 36.4   | 68.6   |
| 907 Pr>F(Trts) |              | 0.4593 | 0.3664 | 0.5737 | 0.0320 | 0.7474 |
| 908 R_square   |              | 49.0   | 32.1   | 42.1   | 55.8   | 53.7   |

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

Huron Research St  
 Alfalfa Registration C  
 Expt. 1192  
 Seeded 1998

|      |              | 2000 (kg/ha) |        |        |        |
|------|--------------|--------------|--------|--------|--------|
| Code | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  |
| 1001 | SARANAC      | 11052        | 7204   | 2351   | 20417  |
| 1073 | SURPASS      | 10975        | 6529   | 2700   | 19955  |
| 1074 | ARROW        | 10153        | 5756   | 2230   | 18612  |
| 1096 | HORIZON      | 10452        | 7121   | 2391   | 19674  |
| 1103 | STARMASER    | 10990        | 6658   | 2647   | 20699  |
| 1112 | APOLLO_SUPRE | 10629        | 6484   | 2489   | 19342  |
| 1445 | TRUENORTH    | 10018        | 7080   | 2812   | 19994  |
| 1447 | MILLENNIUM   | 10105        | 6717   | 2840   | 19954  |
| 1449 | SPUR         | 11485        | 5666   | 2507   | 19321  |
| 1451 | A9118        | 11628        | 6309   | 2535   | 20308  |
| 1453 | ZB9546       | 8988         | 6862   | 2520   | 18397  |
| 1455 | ZG9644C      | 10586        | 6019   | 2452   | 19119  |
| 1457 | AC_VIVA      | 11053        | 6252   | 2432   | 19945  |
| 1462 | NS3317       | 10405        | 6232   | 2439   | 18555  |
| 1464 | TMF_GENERATI | 10275        | 5866   | 2618   | 19469  |
| 1469 | DK121HG      | 10973        | 5514   | 2068   | 18329  |
| 1473 | DS9672       | 8605         | 6305   | 2862   | 17881  |
| 1477 | A9503        | 11122        | 5747   | 2446   | 19370  |
| 1484 | EMPEROR      | 10154        | 6679   | 2805   | 19303  |
| 1485 | YIELDER      | 9209         | 6073   | 2494   | 18293  |
| 1488 | C231         | 10105        | 6663   | 3054   | 19554  |
| 1494 | 53Q60        | 10432        | 6448   | 2376   | 19150  |
| 1298 | 5312         | 11420        | 7038   | 2530   | 21215  |
| 9006 | OAC_MINTO    | 11480        | 5208   | 1160   | 17841  |
| 9053 | CENTURION    | 11261        | 7047   | 2618   | 20716  |
|      |              |              |        |        |        |
| 900  | Mean         | 10542        | 6379   | 2495   | 19416  |
| 901  | CV           | 10.0         | 10.3   | 12.7   | 6.8    |
| 905  | MCV          | 11.8         | 12.2   | 15.0   | 8.1    |
| 902  | LSD          | 1242.6       | 776.6  | 374.3  | 1570.1 |
| 906  | LSR          | 41.1         | 38.9   | 19.8   | 46.5   |
| 907  | Pr>F(Trts)   | 0.0074       | 0.0005 | 0.0000 | 0.0371 |
| 908  | R_square     | 59.2         | 62.6   | 70.1   | 70.8   |

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

ONTARIO  
Kemptville  
ALFALFA REG C 98  
Seeded 1998

| Code          | Cultivar     | 2000 (kg/ha) |       |       |        |
|---------------|--------------|--------------|-------|-------|--------|
|               |              | Cut 1        | Cut 2 | Cut 3 | Total  |
| 1001          | SARANAC      | 4405         | 3758  | 4270  | 12432  |
| 1073          | SURPASS      | 4194         | 3276  | 4252  | 11722  |
| 1074          | ARROW        | 3983         | 3873  | 4332  | 12188  |
| 1096          | HORIZON      | 4441         | 3363  | 3862  | 11666  |
| 1103          | STARMASTER   | 3904         | 3564  | 3953  | 11421  |
| 1112          | A871         | 4245         | 3621  | 4279  | 12144  |
| 1298          | 5312         | 4101         | 3605  | 4065  | 11770  |
| 1445          | TRUENORTH    | 4017         | 3257  | 3822  | 11097  |
| 1447          | MILLENNIUM   | 3925         | 3554  | 4398  | 11878  |
| 1449          | SPUR         | 3669         | 3781  | 4338  | 11788  |
| 1451          | A9118        | 3804         | 3787  | 4122  | 11713  |
| 1453          | ZB9546       | 4010         | 3490  | 4292  | 11793  |
| 1455          | ZG9644C      | 3696         | 3568  | 4168  | 11431  |
| 1457          | AC VIVA      | 4268         | 3581  | 4412  | 12261  |
| 1462          | NS3317       | 3807         | 3516  | 3986  | 11308  |
| 1464          | TMF GENERATI | 3085         | 3347  | 3891  | 10323  |
| 1469          | DK121HG      | 3907         | 3392  | 3771  | 11070  |
| 1473          | DS9672       | 4408         | 4308  | 4132  | 12847  |
| 1477          | A9503        | 3849         | 3410  | 3907  | 11166  |
| 1484          | ZN 9541      | 4080         | 3406  | 4442  | 11929  |
| 1485          | ZM 9537      | 4364         | 3448  | 4227  | 12039  |
| 1488          | C231         | 3672         | 3495  | 4198  | 11365  |
| 1494          | 53Q60        | 3670         | 3892  | 4281  | 11844  |
| 9006          | OAC MINTO    | 4193         | 3495  | 3148  | 10836  |
| 9053          | CENTURION    | 3515         | 3633  | 4412  | 11559  |
| Harvest means |              | 3969         | 3577  | 4118  | 11664  |
| CV %          |              | 12.7         | 10.9  | 9.7   | 6.6    |
| LSD (5%)      |              | 694.1        | 534.5 | 549.7 | 1062.7 |

RCBD arrangement, 3 Blocks {234}

YIELD (kg DM/ha)

| CULTIVARS    | Code | C-1  | C-2  | TOTAL |
|--------------|------|------|------|-------|
| DK124        | 1497 | 4836 | 3259 | 8095  |
| HORIZON      | 1096 | 4933 | 2894 | 7827  |
| CW63002      | 1499 | 4934 | 2889 | 7823  |
| ABI 9142     | 1483 | 4690 | 3091 | 7781  |
| A9401        | 1501 | 4964 | 2787 | 7751  |
| PICKSD8920MF | 1163 | 4775 | 2941 | 7716  |
| SARANAC      | 1001 | 4637 | 2983 | 7620  |
| APO.SUPREME  | 1112 | 4628 | 2884 | 7512  |
| A9501        | 1516 | 4896 | 2614 | 7510  |
| ARROW        | 1074 | 4704 | 2742 | 7446  |
| DK140        | 1468 | 4540 | 2890 | 7430  |
| QS-3         | 1526 | 4584 | 2841 | 7425  |
| SL9902       | 1508 | 4317 | 2907 | 7224  |
| CENTURION    | 9053 | 4351 | 2856 | 7207  |
| DS101        | 1521 | 4371 | 2770 | 7141  |
| A9624        | 1503 | 4292 | 2842 | 7134  |
| DS9579       | 1525 | 4304 | 2714 | 7018  |
| DS9833       | 1523 | 4325 | 2637 | 6962  |
| POWER PLANT  | 1518 | 4341 | 2524 | 6865  |
| C304         | 1512 | 4066 | 2605 | 6671  |
| MEAN         |      | 4574 | 2834 | 7408  |
| C.V. %       |      | 10.1 | 11.6 | 9.7   |
| F            |      | ns   | ns   | ns    |
| L.S.D.5%     |      | 655  | 467  | 1012  |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 07/04/2000 08/12/2000

ONTARIO  
 Kemptville  
 ALF REG B 99  
 Seeded 1999

| Code          | Cultivar   | 2000(kg/ha) |       |       |        |
|---------------|------------|-------------|-------|-------|--------|
|               |            | Cut 1       | Cut 2 | Cut 3 | Total  |
| 1001          | SARANAC    | 4339        | 4488  | 4562  | 13389  |
| 1073          | SURPASS    | 4227        | 4773  | 4977  | 13977  |
| 1074          | ARROW      | 4243        | 4880  | 4737  | 13859  |
| 1103          | STARMaster | 4247        | 4511  | 4321  | 13079  |
| 1469          | DK121HG    | 4381        | 4773  | 4644  | 13799  |
| 1500          | CW64008    | 4805        | 4557  | 5140  | 14502  |
| 1502          | A9521      | 4375        | 4997  | 5106  | 14477  |
| 1504          | FG4G65     | 4298        | 4946  | 5155  | 14399  |
| 1505          | SL9903     | 4067        | 5005  | 4802  | 13873  |
| 1509          | PAR 4338   | 3923        | 4796  | 4996  | 13714  |
| 1511          | C227       | 4470        | 4810  | 4721  | 14001  |
| 1513          | C230       | 4411        | 4738  | 5190  | 14339  |
| 1517          | A9513      | 4408        | 4830  | 4792  | 14029  |
| 1519          | ZG9639     | 4667        | 5089  | 5065  | 14821  |
| 1522          | DS9565     | 4748        | 4457  | 4499  | 13703  |
| 1524          | DS9705     | 4424        | 4859  | 4877  | 14160  |
| 1527          | 4G71       | 4272        | 4913  | 4840  | 14025  |
| 9006          | OAC MINTO  | 4566        | 4701  | 4664  | 13931  |
| 9041          | ONEIDA VR  | 4455        | 5159  | 5036  | 14651  |
| 9053          | CENTURION  | 4333        | 4847  | 4897  | 14077  |
| Harvest means |            | 4383        | 4806  | 4851  | 14040  |
| CV %          |            | 10.0        | 9.8   | 8.2   | 6.6    |
| LSD (5%)      |            | 520.9       | 563.2 | 475.4 | 1107.6 |



YIELD (kg DM/ha)

| CULTIVARS  | Code | C-1  | C-2  | TOTAL |
|------------|------|------|------|-------|
| 4G71       | 1527 | 4954 | 3090 | 8044  |
| OAC MINTO  | 9006 | 4925 | 2894 | 7819  |
| ONEIDA VR  | 9041 | 4899 | 2807 | 7706  |
| CENTURION  | 9053 | 4783 | 2805 | 7588  |
| PAR 4338   | 1509 | 4678 | 2810 | 7488  |
| SARANAC    | 1001 | 4565 | 2844 | 7409  |
| SURPASS    | 1073 | 4705 | 2697 | 7402  |
| C227       | 1511 | 4577 | 2793 | 7370  |
| ZG9639     | 1519 | 4601 | 2604 | 7205  |
| DS9507     | 1524 | 4465 | 2699 | 7164  |
| A9521      | 1502 | 4259 | 2779 | 7038  |
| STARMaster | 1103 | 4319 | 2714 | 7033  |
| DS9565     | 1522 | 4397 | 2595 | 6992  |
| FG4G65     | 1504 | 4273 | 2697 | 6970  |
| C230       | 1513 | 4214 | 2715 | 6929  |
| CW64008    | 1500 | 4238 | 2690 | 6928  |
| ARROW      | 1074 | 4329 | 2403 | 6732  |
| A9513      | 1517 | 4062 | 2619 | 6681  |
| SL9903     | 1505 | 4062 | 2575 | 6637  |
| DK121HG    | 1469 | 4041 | 2426 | 6467  |
| MEAN       |      | 4467 | 2713 | 7180  |
| C.V. %     |      | 6.8  | 8.5  | 7.0   |
| F          |      | **   | *    | **    |
| L.S.D.5%   |      | 431  | 326  | 708   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 07/05/2000 08/12/2000

ONTARIO  
 Kemptville  
 ALF REG C 99  
 Seeded 1999

| Code          | Cultivar  | 2000 (kg/ha) |       |       |        |
|---------------|-----------|--------------|-------|-------|--------|
|               |           | Cut 1        | Cut 2 | Cut 3 | Total  |
| 1001          | SARANAC   | 5994         | 3967  | 4447  | 14409  |
| 1074          | ARROW     | 5744         | 3700  | 4670  | 14113  |
| 1471          | ENHANCER  | 6059         | 3775  | 4789  | 14623  |
| 1472          | BPR 374   | 4475         | 4020  | 4631  | 13126  |
| 1473          | DS9672    | 5415         | 3730  | 4878  | 14023  |
| 1481          | CW5302    | 5944         | 3950  | 4730  | 14623  |
| 1484          | ZN 9541   | 5375         | 3576  | 4801  | 13753  |
| 1485          | ZM 9537   | 5041         | 3562  | 4188  | 12791  |
| 1486          | SF9102    | 5127         | 3967  | 4779  | 13874  |
| 1488          | C231      | 5924         | 3941  | 4959  | 14825  |
| 1494          | 53Q60     | 5594         | 3704  | 4565  | 13863  |
| 1495          | W215      | 5474         | 3663  | 4642  | 13779  |
| 1496          | Y53H63    | 5611         | 3717  | 4462  | 13791  |
| 1498          | DK134     | 5462         | 4064  | 4887  | 14413  |
| 1506          | SL9900    | 6775         | 3745  | 4936  | 15456  |
| 1507          | SL9901    | 5813         | 3927  | 4926  | 14666  |
| 1514          | C232      | 5993         | 3606  | 4822  | 14421  |
| 1520          | ZC9544    | 5191         | 3713  | 4912  | 13817  |
| 9053          | CENTURION | 5747         | 3982  | 5110  | 14839  |
| Harvest means |           | 5619         | 3806  | 4744  | 14169  |
| CV %          |           | 17.4         | 8.8   | 8.1   | 8.4    |
| LSD (5%)      |           | 1163.0       | 399.1 | 455.0 | 1408.8 |

ONTARIO  
 Thunder Bay  
 Alfalfa C 1999  
 Expt. 7294  
 Seeded 1999

|                |           | 2000 (kg/ha) |        |        |
|----------------|-----------|--------------|--------|--------|
| Code           | Cultivar  | Cut 1        | Cut 2  | Tot00  |
| 1001           | SARANAC   | 3629         | 2521   | 5948   |
| 1074           | ARROW     | 3143         | 2424   | 5514   |
| 1471           | ENHANCER  | 3635         | 2450   | 6155   |
| 1472           | BPR_374   | 3282         | 2605   | 5820   |
| 1473           | DS9672    | 3704         | 2458   | 6274   |
| 1481           | FQ315     | 3593         | 2393   | 5923   |
| 1484           | EMPEROR   | 3305         | 2388   | 5706   |
| 1485           | YIELDER   | 3600         | 2441   | 6033   |
| 1486           | AC_BRADOR | 2650         | 2316   | 4874   |
| 1488           | C231      | 790          | 2295   | 4021   |
| 1494           | 53Q60     | 2936         | 2461   | 5470   |
| 1495           | GH757     | 2790         | 2431   | 5307   |
| 1496           | Y53H63    | 3230         | 2198   | 5519   |
| 1498           | DK134     | 3228         | 2455   | 5809   |
| 1506           | SL9900    | 3673         | 2359   | 6093   |
| 1507           | DS9801    | 3584         | 2336   | 6001   |
| 1514           | C232      | 3092         | 2403   | 5520   |
| 1520           | ZC9544    | 3456         | 2505   | 5799   |
| 9053           | CENTURION | 2897         | 2400   | 5269   |
| 900 Mean       |           | 3222         | 2413   | 5634   |
| 901 CV         |           | 12.3         | 7.7    | 8.7    |
| 905 MCV        |           | 14.6         | 9.2    | 10.4   |
| 902 LSD        |           | 470.4        | 222.2  | 586.0  |
| 906 LSR        |           | 24.6         | 54.6   | 26.0   |
| 907 Pr>F(Trts) |           | 0.0000       | 0.6482 | 0.0000 |
| 908 R_square   |           | 68.4         | 65.8   | 68.0   |

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

ONTARIO  
Thunder Bay  
Alfalfa D 1999  
Expt. 7295  
Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |
|----------------|-------------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Tot00  |
| 1001           | SARANAC     | 3850   | 2604   | 6446   |
| 1074           | ARROW       | 3544   | 2395   | 5931   |
| 1470           | TRAILBLAZER | 3795   | 2540   | 6368   |
| 1474           | GENEVA      | 3314   | 2369   | 5659   |
| 1475           | NS98-3      | 3505   | 2361   | 5848   |
| 1476           | A9423       | 2984   | 2477   | 5471   |
| 1477           | A9503       | 3183   | 2305   | 5470   |
| 1478           | CW5435      | 3820   | 2590   | 6396   |
| 1479           | CW6304      | 3691   | 2451   | 6144   |
| 1480           | FQ314       | 3522   | 2528   | 6065   |
| 1482           | CW5440      | 3588   | 2586   | 6167   |
| 1487           | ABT_227LH   | 3706   | 2433   | 6136   |
| 1489           | WL232HQ     | 3299   | 2473   | 5810   |
| 1490           | BARALFA     | 3366   | 2422   | 5764   |
| 1491           | A9421       | 2828   | 2283   | 5123   |
| 1492           | QS-75       | 3033   | 2228   | 5258   |
| 1493           | TMF_421     | 3561   | 2282   | 5854   |
| 1515           | PLATINUM    | 2898   | 2337   | 5224   |
| 1528           | NSCL_27     | 2938   | 2419   | 5347   |
| 9053           | CENTURION   | 3370   | 2435   | 5834   |
| 900 Mean       |             | 3390   | 2426   | 5816   |
| 901 CV         |             | 8.6    | 9.7    | 7.1    |
| 905 MCV        |             | 10.2   | 11.6   | 8.5    |
| 902 LSD        |             | 345.8  | 280.3  | 491.7  |
| 906 LSR        |             | 33.8   | 74.6   | 37.2   |
| 907 Pr>F(Trts) |             | 0.0000 | 0.6951 | 0.0001 |
| 908 R_square   |             | 68.5   | 40.4   | 61.2   |

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

ONTARIO  
Elora  
Alfalfa Reg Trial E  
Expt. 2765  
Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |        |
|----------------|-------------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Cut 3  | Tot00  |
| 1001           | SARANAC     | 6539   | 2804   | 1890   | 11315  |
| 1073           | SURPASS     | 6524   | 2826   | 1783   | 11212  |
| 1074           | ARROW       | 6281   | 2593   | 1623   | 10446  |
| 1352           | WL_282      | 6506   | 2812   | 1986   | 11323  |
| 1469           | DK121HG     | 6398   | 2588   | 1350   | 10325  |
| 1498           | DK134       | 6205   | 2862   | 2046   | 11089  |
| 1499           | CW63002     | 6270   | 2896   | 2049   | 11242  |
| 1501           | A9401       | 6578   | 2668   | 1766   | 10963  |
| 1502           | A9521       | 6613   | 2953   | 2086   | 11663  |
| 1505           | SL9903      | 6910   | 2766   | 1663   | 11319  |
| 1507           | DS9801      | 6536   | 2861   | 1922   | 11234  |
| 1508           | DS9920      | 6257   | 2945   | 2030   | 11220  |
| 1511           | C227        | 6218   | 2789   | 1868   | 10843  |
| 1513           | GH750       | 6174   | 2893   | 1988   | 11117  |
| 1515           | PLATINUM    | 6643   | 2884   | 1914   | 11366  |
| 1518           | POWER_PLANT | 5999   | 2726   | 1731   | 10475  |
| 1522           | DS9565      | 6291   | 2838   | 1963   | 11065  |
| 1525           | DS9579      | 6219   | 2899   | 2007   | 11154  |
| 1527           | 4G71        | 6492   | 2992   | 2020   | 11587  |
| 1528           | NSCL_27     | 6719   | 2921   | 2085   | 11877  |
| 9006           | OAC_MINTO   | 6288   | 2590   | 1341   | 10087  |
| 9041           | ONEIDA_VR   | 6163   | 2730   | 1879   | 10656  |
| 9053           | CENTURION   | 7237   | 2901   | 1808   | 12015  |
| 900 Mean       |             | 6437   | 2815   | 1861   | 11113  |
| 901 CV         |             | 5.8    | 5.0    | 6.4    | 4.8    |
| 905 MCV        |             | 6.9    | 5.9    | 7.5    | 5.7    |
| 902 LSD        |             | 443.8  | 164.9  | 139.7  | 632.2  |
| 906 LSR        |             | 35.8   | 40.8   | 18.7   | 32.8   |
| 907 Pr>F(Trts) |             | 0.0086 | 0.0010 | 0.0000 | 0.0003 |
| 908 R_square   |             | 64.0   | 75.6   | 92.4   | 71.8   |

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

ONTARIO  
 New Liskeard  
 Alfalfa Reg E 99  
 Expt. 9903  
 Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |
|----------------|-------------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Tot00  |
| 1001           | SARANAC     | 5577   | 7596   | 13152  |
| 1073           | SURPASS     | 5990   | 7847   | 13875  |
| 1074           | ARROW       | 5996   | 8428   | 14368  |
| 1352           | WL_282      | 5845   | 7663   | 13485  |
| 1469           | DK121HG     | 5977   | 7562   | 13627  |
| 1498           | DK134       | 5232   | 6869   | 12067  |
| 1499           | CW63002     | 5580   | 7723   | 13357  |
| 1501           | A9401       | 5837   | 7793   | 13585  |
| 1502           | A9521       | 5833   | 7999   | 13878  |
| 1505           | SL9903      | 6198   | 8235   | 14423  |
| 1507           | DS9801      | 5573   | 7760   | 13325  |
| 1508           | SL9902      | 5432   | 7784   | 13233  |
| 1511           | C227        | 5942   | 7611   | 13521  |
| 1513           | GH750       | 5705   | 8005   | 13696  |
| 1515           | PLATINUM    | 6230   | 7933   | 14164  |
| 1518           | POWER_PLANT | 6013   | 7851   | 13814  |
| 1522           | DS9565      | 5644   | 7528   | 13256  |
| 1525           | DS9579      | 5582   | 7765   | 13359  |
| 1527           | 4G71        | 5402   | 7857   | 13244  |
| 1528           | NSCL_27     | 5841   | 7501   | 13361  |
| 9006           | OAC_MINTO   | 6259   | 7352   | 13481  |
| 9041           | ONEIDA_VR   | 5794   | 7326   | 13208  |
| 9053           | CENTURION   | 5826   | 7937   | 13759  |
| 900 Mean       |             | 5796   | 7736   | 13532  |
| 901 CV         |             | 6.9    | 7.1    | 5.3    |
| 905 MCV        |             | 8.2    | 8.4    | 6.3    |
| 902 LSD        |             | 474.1  | 652.8  | 847.4  |
| 906 LSR        |             | 46.1   | 41.9   | 36.0   |
| 907 Pr>F(Trts) |             | 0.0588 | 0.1925 | 0.0419 |
| 908 R_square   |             | 68.3   | 55.1   | 65.9   |

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

ONTARIO  
Elora  
Alfalfa Reg Trial F  
Expt. 2766  
Seeded 1999

|                |              | 2000 (kg/ha) |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  |
| 1001           | SARANAC      | 6838         | 3457   | 2100   | 12450  |
| 1074           | ARROW        | 6909         | 3265   | 1838   | 11932  |
| 1096           | HORIZON      | 6464         | 3302   | 1946   | 11738  |
| 1103           | STARMASER    | 6675         | 3168   | 1903   | 11711  |
| 1112           | APOLLO_SUPRE | 6889         | 3325   | 2014   | 12205  |
| 1362           | DEEPCROWN    | 7093         | 3450   | 2106   | 12746  |
| 1468           | DK140        | 6444         | 3325   | 2074   | 11787  |
| 1497           | DK124        | 6100         | 3471   | 2311   | 11838  |
| 1500           | CW64008      | 6985         | 3781   | 2262   | 13147  |
| 1503           | A9624        | 6596         | 3538   | 2309   | 12464  |
| 1504           | PICKSD2065MF | 6582         | 3582   | 2397   | 12428  |
| 1506           | DS9412       | 6702         | 3485   | 2001   | 12200  |
| 1509           | PAR_4338     | 6502         | 3365   | 2073   | 12041  |
| 1512           | C304         | 6532         | 3497   | 2126   | 12112  |
| 1514           | C232         | 6601         | 3530   | 2169   | 12166  |
| 1516           | A9501        | 6607         | 3262   | 2013   | 11846  |
| 1517           | A9513        | 6885         | 3402   | 2097   | 12362  |
| 1519           | ZG9639       | 6837         | 3282   | 1979   | 12045  |
| 1520           | ZC9544       | 6580         | 3588   | 2150   | 12349  |
| 1521           | DS101        | 6549         | 3375   | 2073   | 11874  |
| 1523           | DS9833       | 6804         | 3360   | 2104   | 12270  |
| 1524           | DS9705       | 6610         | 3562   | 2133   | 12453  |
| 1526           | QS-3         | 6405         | 3308   | 2158   | 11875  |
| 9053           | CENTURION    | 7085         | 3538   | 2100   | 12885  |
| 900 Mean       |              | 6678         | 3426   | 2102   | 12205  |
| 901 CV         |              | 6.6          | 5.2    | 5.6    | 4.4    |
| 905 MCV        |              | 7.8          | 6.2    | 6.6    | 5.2    |
| 902 LSD        |              | 520.5        | 211.9  | 139.5  | 636.7  |
| 906 LSR        |              | 52.4         | 34.5   | 25.0   | 44.4   |
| 907 Pr>F(Trts) |              | 0.3860       | 0.0043 | 0.0000 | 0.0439 |
| 908 R_square   |              | 51.8         | 66.2   | 79.0   | 69.7   |

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

ONTARIO  
 New Liskeard  
 Alfalfa Reg F 99  
 Expt. 9904  
 Seeded 1999

| 2000 (kg/ha)   |              |        |        |        |
|----------------|--------------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Tot00  |
| 1001           | SARANAC      | 6328   | 4479   | 10909  |
| 1074           | ARROW        | 6449   | 4176   | 10607  |
| 1096           | HORIZON      | 6194   | 4151   | 10358  |
| 1103           | STARMASER    | 6281   | 4223   | 10465  |
| 1112           | APOLLO_SUPRE | 6221   | 4339   | 10547  |
| 1362           | DEEPCROWN    | 6393   | 4624   | 11099  |
| 1468           | DK140        | 6132   | 4341   | 10393  |
| 1497           | DK124        | 5769   | 4191   | 9863   |
| 1500           | CW64008      | 6423   | 4166   | 10667  |
| 1503           | A9624        | 5599   | 3712   | 9422   |
| 1504           | PICKSD2065MF | 5697   | 4296   | 9969   |
| 1506           | SL9900       | 6226   | 3935   | 10241  |
| 1509           | PAR_4338     | 5972   | 4604   | 10595  |
| 1512           | C304         | 6201   | 4230   | 10378  |
| 1514           | C232         | 6045   | 4276   | 10468  |
| 1516           | A9501        | 6258   | 3802   | 10078  |
| 1517           | A9513        | 6560   | 4686   | 11149  |
| 1519           | ZG9639       | 6280   | 4379   | 10517  |
| 1520           | ZC9544       | 6012   | 4011   | 9969   |
| 1521           | DS101        | 6084   | 4426   | 10461  |
| 1523           | DS9833       | 6576   | 3995   | 10624  |
| 1524           | DS9705       | 6179   | 4229   | 10505  |
| 1526           | QS-3         | 6054   | 4263   | 10313  |
| 9053           | CENTURION    | 6824   | 4390   | 11085  |
| 900 Mean       |              | 6198   | 4247   | 10445  |
| 901 CV         |              | 6.6    | 10.6   | 6.1    |
| 905 MCV        |              | 7.8    | 12.5   | 7.2    |
| 902 LSD        |              | 483.7  | 530.6  | 753.0  |
| 906 LSR        |              | 39.5   | 54.5   | 43.6   |
| 907 Pr>F(Trts) |              | 0.0382 | 0.3479 | 0.0845 |
| 908 R_square   |              | 64.2   | 35.8   | 52.1   |

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



ONTARIO  
Elora  
Alfalfa Reg Trial G  
Expt. 2767  
Seeded 1999

|                |              | 2000 (kg/ha) |        |        |        |
|----------------|--------------|--------------|--------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Cut 3  | Tot00  |
| 1001           | SARANAC      | 7216         | 3364   | 1708   | 12506  |
| 1074           | ARROW        | 5993         | 3421   | 1634   | 10895  |
| 1232           | GUARDSMAN    | 6012         | 3319   | 1733   | 10990  |
| 1244           | GH777        | 3342         | 4077   | 2265   | 9564   |
| 1296           | PROLEAF      | 6704         | 3444   | 1648   | 12062  |
| 1392           | AMERIGRAZE40 | 6602         | 3495   | 1698   | 11741  |
| 1409           | ZG9346       | 6283         | 3455   | 1851   | 11722  |
| 1434           | 53V08        | 6946         | 3575   | 1932   | 12480  |
| 1445           | TRUENORTH    | 6753         | 3491   | 1782   | 12048  |
| 1446           | AVENGER      | 6891         | 3554   | 1659   | 12252  |
| 1447           | MILLENNIUM   | 6620         | 3430   | 1884   | 11815  |
| 1448           | PICKSD8925MF | 6492         | 3415   | 1804   | 11531  |
| 1461           | 5347LH       | 6484         | 3164   | 1590   | 11499  |
| 1471           | ENHANCER     | 6815         | 3621   | 1787   | 12195  |
| 1472           | BPR_374      | 6330         | 3653   | 1847   | 11738  |
| 1473           | DS9672       | 6456         | 3510   | 1879   | 11748  |
| 1484           | EMPEROR      | 6315         | 3392   | 1708   | 11299  |
| 1485           | YIELDER      | 6209         | 3420   | 1876   | 11415  |
| 1488           | C231         | 6837         | 3372   | 1794   | 12014  |
| 1494           | 53Q60        | 6684         | 3716   | 2032   | 12387  |
| 1495           | GH757        | 6544         | 3406   | 1704   | 11738  |
| 1496           | Y53H63       | 7059         | 3282   | 1445   | 11854  |
| 9053           | CENTURION    | 6724         | 3418   | 1693   | 11764  |
| 900 Mean       |              | 6448         | 3478   | 1781   | 11707  |
| 901 CV         |              | 7.2          | 5.6    | 5.5    | 5.2    |
| 905 MCV        |              | 8.5          | 6.6    | 6.5    | 6.1    |
| 902 LSD        |              | 545.3        | 230.8  | 116.6  | 718.4  |
| 906 LSR        |              | 14.1         | 25.3   | 14.2   | 24.4   |
| 907 Pr>F(Trts) |              | 0.0000       | 0.0001 | 0.0000 | 0.0000 |
| 908 R_square   |              | 81.3         | 83.1   | 85.7   | 75.6   |

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

ONTARIO  
 New Liskeard  
 Alfalfa Reg G 99  
 Expt. 9905  
 Seeded 1999

| 2000 (kg/ha)   |              |        |        |        |
|----------------|--------------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Tot00  |
| 1001           | SARANAC      | 6359   | 4165   | 10572  |
| 1074           | ARROW        | 6148   | 4708   | 10831  |
| 1232           | GUARDSMAN    | 5932   | 4808   | 10753  |
| 1244           | GH777        | 6128   | 4657   | 10844  |
| 1296           | PROLEAF      | 6656   | 4940   | 11564  |
| 1392           | AMERIGRAZE40 | 6149   | 4708   | 10890  |
| 1409           | ZG9346       | 6028   | 5185   | 11134  |
| 1434           | 53V08        | 5800   | 4178   | 9963   |
| 1445           | TRUENORTH    | 6418   | 4573   | 10985  |
| 1446           | AVENGER      | 6456   | 4584   | 11026  |
| 1447           | MILLENNIUM   | 5577   | 5181   | 10804  |
| 1448           | PICKSD8925MF | 6166   | 4656   | 10780  |
| 1461           | 5347LH       | 6091   | 4860   | 10927  |
| 1471           | ENHANCER     | 6225   | 4730   | 10944  |
| 1472           | BPR_374      | 5548   | 4404   | 9999   |
| 1473           | DS9672       | 5590   | 4612   | 10182  |
| 1484           | EMPEROR      | 5787   | 5745   | 11545  |
| 1485           | YIELDER      | 5413   | 4179   | 9566   |
| 1488           | C231         | 5997   | 4540   | 10541  |
| 1494           | 53Q60        | 5568   | 4539   | 10148  |
| 1495           | GH757        | 5980   | 4706   | 10679  |
| 1496           | Y53H63       | 6529   | 4621   | 11137  |
| 9053           | CENTURION    | 6170   | 4772   | 10957  |
| 900 Mean       |              | 6031   | 4698   | 10729  |
| 901 CV         |              | 7.4    | 16.9   | 8.7    |
| 905 MCV        |              | 8.7    | 19.9   | 10.3   |
| 902 LSD        |              | 525.2  | 936.0  | 1107.0 |
| 906 LSR        |              | 42.3   | 59.2   | 55.4   |
| 907 Pr>F(Trts) |              | 0.0049 | 0.7517 | 0.4221 |
| 908 R_square   |              | 63.7   | 28.0   | 36.3   |

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

ONTARIO  
Elora  
Alfalfa Reg Trial H  
Expt. 2768  
Seeded 1999

| 2000 (kg/ha)   |              |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  |
| 1001           | SARANAC      | 7067   | 2971   | 1415   | 11481  |
| 1074           | ARROW        | 6966   | 3078   | 1639   | 11724  |
| 1163           | PICKSD8920MF | 7380   | 3359   | 1768   | 12467  |
| 1470           | TRAILBLAZER  | 6902   | 2809   | 1318   | 10966  |
| 1474           | GENEVA       | 6990   | 3510   | 2062   | 12581  |
| 1475           | NS98-3       | 7286   | 3236   | 1816   | 12375  |
| 1476           | A9423        | 7240   | 3305   | 1814   | 12328  |
| 1477           | A9503        | 7230   | 3103   | 1711   | 12126  |
| 1478           | CW5435       | 6750   | 3122   | 1879   | 11774  |
| 1479           | CW6304       | 7285   | 3184   | 1909   | 12355  |
| 1480           | FQ314        | 6472   | 3170   | 1672   | 11323  |
| 1481           | FQ315        | 7158   | 3236   | 1852   | 12274  |
| 1482           | CW5440       | 6946   | 3353   | 1891   | 12186  |
| 1483           | ABI_9142     | 6952   | 3228   | 1708   | 11929  |
| 1486           | AC_BRADOR    | 7017   | 3376   | 1895   | 12220  |
| 1487           | ABT_227LH    | 7082   | 3082   | 1561   | 11693  |
| 1489           | WL232HQ      | 6357   | 3067   | 1701   | 11178  |
| 1490           | BARALFA      | 6489   | 3221   | 1785   | 11494  |
| 1491           | A9421        | 7099   | 3193   | 1868   | 12113  |
| 1492           | QS-75        | 6847   | 2986   | 1704   | 11490  |
| 1493           | TMF_421      | 6834   | 3118   | 1761   | 11696  |
| 9053           | CENTURION    | 7577   | 3146   | 1726   | 12466  |
| 900 Mean       |              | 6997   | 3175   | 1748   | 11920  |
| 901 CV         |              | 6.0    | 5.7    | 5.9    | 4.8    |
| 905 MCV        |              | 7.1    | 6.7    | 7.0    | 5.6    |
| 902 LSD        |              | 493.7  | 212.5  | 122.2  | 671.2  |
| 906 LSR        |              | 40.5   | 30.3   | 16.4   | 41.6   |
| 907 Pr>F(Trts) |              | 0.0162 | 0.0006 | 0.0000 | 0.0016 |
| 908 R_square   |              | 69.3   | 80.8   | 86.8   | 78.1   |

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

ONTARIO  
 New Liskeard  
 Alfalfa Reg H 99  
 Expt. 9906  
 Seeded 1999

|                |              | 2000 (kg/ha) |        |        |
|----------------|--------------|--------------|--------|--------|
| Code           | Cultivar     | Cut 1        | Cut 2  | Tot00  |
| 1001           | SARANAC      | 6520         | 4962   | 11453  |
| 1074           | ARROW        | 6450         | 4993   | 11414  |
| 1163           | PICKSD8920MF | 6204         | 4903   | 11082  |
| 1470           | TRAILBLAZER  | 7146         | 4283   | 11461  |
| 1474           | GENEVA       | 5822         | 4770   | 10644  |
| 1475           | NS98-3       | 6653         | 4279   | 10898  |
| 1476           | A9423        | 6587         | 4613   | 11221  |
| 1477           | A9503        | 7216         | 4463   | 11723  |
| 1478           | CW5435       | 6576         | 4435   | 10891  |
| 1479           | CW6304       | 6083         | 4399   | 10500  |
| 1480           | FQ314        | 6266         | 4740   | 11024  |
| 1481           | FQ315        | 6788         | 4806   | 11660  |
| 1482           | CW5440       | 6187         | 4594   | 10695  |
| 1483           | ABI_9142     | 6186         | 4568   | 10901  |
| 1486           | AC_BRADOR    | 6246         | 5215   | 11590  |
| 1487           | ABT_227LH    | 5963         | 4261   | 10217  |
| 1489           | WL232HQ      | 6526         | 4531   | 11009  |
| 1490           | BARALFA      | 5782         | 4128   | 9865   |
| 1491           | A9421        | 6269         | 4366   | 10608  |
| 1492           | QS-75        | 6343         | 4984   | 11300  |
| 1493           | TMF_421      | 5670         | 4246   | 9802   |
| 9053           | CENTURION    | 6420         | 4602   | 11090  |
| 900 Mean       |              | 6359         | 4597   | 10957  |
| 901 CV         |              | 8.9          | 11.5   | 6.9    |
| 905 MCV        |              | 10.6         | 13.6   | 8.2    |
| 902 LSD        |              | 671.8        | 624.2  | 897.0  |
| 906 LSR        |              | 43.5         | 57.4   | 46.7   |
| 907 Pr>F(Trts) |              | 0.0298       | 0.2832 | 0.0258 |
| 908 R_square   |              | 64.0         | 41.1   | 61.2   |

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

ONTARIO  
New Liskeard  
Alfalfa Persistence  
Seeded 1995

| Code                           | Cultivar    | 2000 (kg/ha) |        | Total  |
|--------------------------------|-------------|--------------|--------|--------|
|                                |             | Cut 1        | Cut 2  |        |
| 1001                           | SARANAC     | 5649         | 3838   | 10299  |
| 1039                           | EXCALIBUR   | 5338         | 5273   | 10839  |
| 1129                           | 2980        | 5099         | 4443   | 9759   |
| 1228                           | PICKSD3030  | 5700         | 4836   | 10453  |
| 1237                           | DK133       | 5937         | 5351   | 11396  |
| 1246                           | MULTICHOICE | 5432         | 5081   | 10351  |
| 1248                           | JAVELIN     | 5397         | 4992   | 10276  |
| 1272                           | CHOICE      | 4983         | 4868   | 8941   |
| 1276                           | FS444       | 5617         | 4648   | 10152  |
| 1298                           | 5312        | 5679         | 4714   | 10408  |
| Mean                           |             | 5483         | 4804   | 10287  |
| C.V.                           |             | 6.3          | 7.3    | 5.5    |
| Pr>F(Trts)                     |             | 0.3228       | 0.1665 | 0.4135 |
| R-Square                       |             | 0.78         | 0.81   | 0.81   |
| Systematic Control arrangement |             |              |        |        |

ONTARIO  
Elora  
Alfalfa Persistence  
Seeded 1995

| Code                           | Cultivar    | 2000 (kg/ha) |
|--------------------------------|-------------|--------------|
|                                |             | Cut 1        |
| 1001                           | SARANAC     | 4459         |
| 1039                           | EXCALIBUR   | 4571         |
| 1129                           | 2980        | 4755         |
| 1228                           | PICKSD3030  | 4484         |
| 1237                           | DK133       | 4771         |
| 1246                           | MULTICHOICE | 4573         |
| 1248                           | JAVELIN     | 4717         |
| 1272                           | CHOICE      | 4647         |
| 1276                           | FS444       | 5050         |
| 1298                           | 5312        | 4856         |
| Mean                           |             | 4688         |
| C.V.                           |             | 4.1          |
| Pr>F(Trts                      |             |              |
| )                              |             | 0.2483       |
| R-Square                       |             | 0.97         |
| Systematic control arrangement |             |              |

ONTARIO  
Thunder Bay  
Alfalfa Persistence Trial  
Seeded 1995

| Code                           | Cultivar    | 2000 (kg/ha) |        |        |
|--------------------------------|-------------|--------------|--------|--------|
|                                |             | Cut 1        | Cut 2  | Total  |
| 1001                           | SARANAC     | 3724         | 1482   | 5185   |
| 1039                           | EXCALIBUR   | 2168         | 1457   | 3706   |
| 1129                           | 2980        | 2426         | 1281   | 3716   |
| 1228                           | PICKSD3030  | 3508         | 1205   | 4637   |
| 1237                           | DK133       | 3373         | 1519   | 4955   |
| 1246                           | MULTICHOICE | 2205         | 1259   | 3379   |
| 1248                           | JAVELIN     | 4031         | 1051   | 5190   |
| 1272                           | CHOICE      | 3226         | 1332   | 4634   |
| 1276                           | FS444       | 2151         | 1350   | 3444   |
| 1298                           | 5312        | 4292         | 1102   | 5297   |
| Mean                           |             | 3110         | 1304   | 4414   |
| C.V.                           |             | 9.3          | 19.2   | 5.6    |
| Pr>F(Trts)                     |             | 0.0020       | 0.6935 | 0.0013 |
| R-Square                       |             | 0.97         | 0.89   | 0.99   |
| Systematic control arrangement |             |              |        |        |

ONTARIO  
New Liskeard  
Alfalfa Persistence Trial  
Seeded 1996

| Code                           | Cultivar    | 2000 (kg/ha) |        | Total  |
|--------------------------------|-------------|--------------|--------|--------|
|                                |             | Cut 1        | Cut 2  |        |
| 1001                           | SARANAC     | 8509         | 4154   | 12880  |
| 1039                           | EXCALIBUR   | 10023        | 4992   | 15045  |
| 1074                           | ARROW       | 8878         | 4809   | 13725  |
| 1129                           | 2980        | 9029         | 4532   | 13695  |
| 1232                           | GUARDSMAN   | 8701         | 4274   | 13160  |
| 1237                           | DK133       | 9512         | 5218   | 14678  |
| 1246                           | MULTICHOICE | 9694         | 4626   | 14354  |
| 1248                           | JAVELIN     | 8451         | 5042   | 13412  |
| 1271                           | QUATTRO HR  | 9541         | 4650   | 14127  |
| 1272                           | CHOICE      | 9514         | 5029   | 14518  |
| 1273                           | FS450       | 9363         | 4692   | 13942  |
| 1275                           | TARTAN      | 10290        | 4741   | 14957  |
| 1276                           | FS444       | 9614         | 4838   | 14637  |
| 1285                           | FORERUNNER  | 9599         | 4571   | 14209  |
| 1296                           | PROLEAF     | 10023        | 4596   | 14653  |
| 1297                           | 5454        | 9725         | 4215   | 13948  |
| 1298                           | 5312        | 9192         | 5409   | 14660  |
| 1425                           | A9303       | 9487         | 4353   | 13854  |
| 1426                           | A9305       | 9714         | 5139   | 14590  |
| 9053                           | CENTURION   | 9568         | 4490   | 13865  |
| Mean                           |             | 9392         | 4714   | 14106  |
| C.V.                           |             | 4.7          | 8.5    | 4.1    |
| Pr>F(Trts)                     |             | 0.0119       | 0.2823 | 0.0542 |
| R-Square                       |             | 0.76         | 0.60   | 0.74   |
| Systematic control arrangement |             |              |        |        |



ONTARIO  
Elora  
Alfalfa Persistence Trial  
Seeded 1996

| Code       | Cultivar    | 2000 (kg/ha) |        |        | Total  |
|------------|-------------|--------------|--------|--------|--------|
|            |             | Cut 1        | Cut 2  | Cut 3  |        |
| 1001       | SARANAC     | 6033         | 3587   | 2721   | 12474  |
| 1039       | EXCALIBUR   | 5627         | 3639   | 2645   | 11803  |
| 1074       | ARROW       | 6422         | 3759   | 2755   | 12978  |
| 1129       | 2980        | 5940         | 3413   | 2658   | 12095  |
| 1228       | PICKSD3030  | 6533         | 3594   | 2798   | 13066  |
| 1232       | GUARDSMAN   | 6017         | 3898   | 2690   | 12609  |
| 1237       | DK133       | 6319         | 3652   | 2761   | 12806  |
| 1246       | MULTICHOICE | 5809         | 3584   | 2630   | 11957  |
| 1248       | JAVELIN     | 6475         | 3941   | 2813   | 13370  |
| 1271       | QUATTRO HR  | 5600         | 3455   | 2648   | 11626  |
| 1272       | CHOICE      | 6294         | 3813   | 2897   | 12899  |
| 1273       | FS450       | 6098         | 3524   | 2714   | 12038  |
| 1275       | TARTAN      | 6295         | 3552   | 2927   | 12761  |
| 1276       | FS444       | 6465         | 3815   | 2781   | 13117  |
| 1285       | FORERUNNER  | 6420         | 3736   | 2601   | 12788  |
| 1296       | PROLEAF     | 6878         | 3890   | 2946   | 13571  |
| 1297       | 5454        | 6391         | 4023   | 2972   | 13455  |
| 1298       | 5312        | 6814         | 4328   | 2827   | 14047  |
| 1425       | A9303       | 6297         | 3767   | 2757   | 12841  |
| 1426       | A9305       | 6198         | 3707   | 2770   | 12715  |
| 9053       | CENTURION   | 5952         | 3670   | 2821   | 12360  |
| Mean       |             | 6230         | 3730   | 2769   | 12729  |
| C.V.       |             | 5.3          | 6.1    | 5.2    | 3.8    |
| Pr>F(Trts) |             | 0.0803       | 0.1397 | 0.4386 | 0.0145 |
| R-Square   |             | 0.74         | 0.76   | 0.65   | 0.81   |

Systematic control arrangement.

ONTARIO  
Elora  
Alfalfa Persistence Trial  
Seeded 1997

| Code                           | Cultivar       | 2000 (kg/ha) |             | Total  |        |
|--------------------------------|----------------|--------------|-------------|--------|--------|
|                                |                | Cut 1        | Cut 2 Cut 3 |        |        |
| 1001                           | SARANAC        | 7806         | 4432        | 2615   | 14870  |
| 1039                           | EXCALIBUR      | 7967         | 4239        | 2480   | 14660  |
| 1074                           | ARROW          | 8213         | 3962        | 2278   | 14297  |
| 1129                           | 2980           | 6570         | 3799        | 2385   | 12817  |
| 1228                           | PS90-3         | 8986         | 4393        | 2714   | 16243  |
| 1232                           | GUARDSMAN      | 8168         | 4556        | 2741   | 15543  |
| 1237                           | DK133          | 7914         | 4365        | 2829   | 15133  |
| 1246                           | MULTICHOICE    | 7853         | 4150        | 2776   | 14747  |
| 1248                           | JAVELIN        | 8214         | 3851        | 2707   | 14794  |
| 1271                           | QUATTRO HR     | 7779         | 4397        | 2705   | 14605  |
| 1272                           | CHOICE         | 8195         | 4323        | 2768   | 15415  |
| 1273                           | FS450          | 7695         | 4265        | 2680   | 14644  |
| 1275                           | TARTAN         | 7624         | 4360        | 2845   | 14932  |
| 1276                           | FS444          | 7686         | 4269        | 2627   | 14577  |
| 1285                           | FORERUNNER     | 7384         | 4192        | 2721   | 14259  |
| 1296                           | PROLEAF        | 7684         | 4010        | 2581   | 14263  |
| 1297                           | 5454           | 8233         | 4696        | 2948   | 15937  |
| 1298                           | 5312           | 8974         | 4640        | 2607   | 16237  |
| 1324                           | DS907          | 8545         | 4570        | 2924   | 16000  |
| 1325                           | MAGNUM IV      | 8255         | 4629        | 2838   | 15699  |
| 1331                           | DK127          | 7889         | 4678        | 3057   | 15872  |
| 1361                           | DS 9410        | 9157         | 4957        | 2941   | 16946  |
| 1362                           | MAGNAGRAZE     | 7875         | 4507        | 2883   | 15222  |
| 1422                           | FORECAST1000   | 8129         | 4521        | 2739   | 15394  |
| 1423                           | FORECAST3000   | 8697         | 4464        | 2753   | 15887  |
| 1425                           | A9303          | 7904         | 4151        | 2552   | 14630  |
| 1426                           | A9305          | 7695         | 4023        | 2537   | 14225  |
| 1445                           | ABI 9141       | 7620         | 4386        | 2743   | 14713  |
| 1446                           | ABI 9122       | 7742         | 4190        | 2690   | 14551  |
| 1447                           | 3L21           | 8166         | 4588        | 3069   | 15726  |
| 1448                           | 3L23           | 7662         | 4390        | 2823   | 14878  |
| 1458                           | DK143          | 8433         | 4865        | 3125   | 16452  |
| 1461                           | 5347LH         | 6523         | 3949        | 2681   | 13006  |
| 1463                           | ARREST         | 5949         | 3795        | 2549   | 12319  |
| 1464                           | TMF GENERATION | 8820         | 4181        | 2772   | 15671  |
| 1465                           | TMF MULTIPLIER | 7306         | 4212        | 2776   | 14232  |
| 9053                           | CENTURION      | 9609         | 5345        | 3137   | 18601  |
| Mean                           |                | 7945         | 4351        | 2747   | 15043  |
| C.V.                           |                | 6.8          | 4.3         | 4.6    | 4.5    |
| Pr>F(Trts)                     |                | 0.0009       | 0.0001      | 0.0003 | 0.0001 |
| R-Square                       |                | 0.85         | 0.95        | 0.89   | 0.91   |
| Systematic control arrangement |                |              |             |        |        |

ONTARIO  
Huron Research Station  
Alfalfa Persistence Trial  
Seeded 1997

| Code                           | 2000 (kg/ha)   |        |
|--------------------------------|----------------|--------|
|                                | Cultivar       | Cut 1  |
| 1001                           | SARANAC        | 11413  |
| 1039                           | EXCALIBUR      | 10952  |
| 1074                           | ARROW          | 10626  |
| 1129                           | 2980           | 8701   |
| 1228                           | PS90-3         | 9455   |
| 1232                           | GUARDSMAN      | 10622  |
| 1237                           | DK133          | 10567  |
| 1246                           | MULTICHOICE    | 10098  |
| 1248                           | JAVELIN        | 10463  |
| 1271                           | QUATTRO HR     | 9860   |
| 1272                           | CHOICE         | 9449   |
| 1273                           | FS450          | 10205  |
| 1275                           | TARTAN         | 10666  |
| 1276                           | FS444          | 10547  |
| 1285                           | FORERUNNER     | 10694  |
| 1296                           | PROLEAF        | 10583  |
| 1297                           | 5454           | 10241  |
| 1298                           | 5312           | 10806  |
| 1324                           | DS907          | 10217  |
| 1325                           | MAGNUM IV      | 9561   |
| 1331                           | DK127          | 8895   |
| 1361                           | DS 9410        | 11077  |
| 1362                           | MAGNAGRAZE     | 10717  |
| 1422                           | FORECAST1000   | 11006  |
| 1423                           | FORECAST3000   | 10587  |
| 1425                           | A9303          | 10397  |
| 1426                           | A9305          | 9953   |
| 1445                           | ABI 9141       | 10678  |
| 1446                           | ABI 9122       | 10498  |
| 1447                           | 3L21           | 10570  |
| 1448                           | 3L23           | 11005  |
| 1458                           | DK143          | 9876   |
| 1461                           | 5347LH         | 11087  |
| 1463                           | ARREST         | 8252   |
| 1464                           | TMF GENERATION | 9961   |
| 1465                           | TMF MULTIPLIER | 10593  |
| 9053                           | CENTURION      | 10268  |
| Mean                           |                | 10297  |
| C.V.                           |                | 5.2    |
| Pr>F(Trts)                     |                | 0.0009 |
| R-Square                       |                | 0.85   |
| Systematic control arrangement |                |        |

ONTARIO  
New Liskeard  
Alfalfa Persistence Trial  
Seeded 1997

| Code       | Cultivar       | 2000 (kg/ha) |       | Total  |
|------------|----------------|--------------|-------|--------|
|            |                | Cut 1        | Cut 2 |        |
| 1001       | SARANAC        | 6007         | 4846  | 10969  |
| 1039       | EXCALIBUR      | 6384         | 5003  | 11623  |
| 1074       | ARROW          | 5995         | 5157  | 10912  |
| 1129       | 2980           | 5584         | 4594  | 10281  |
| 1228       | PS90-3         | 7007         | 4627  | 11710  |
| 1232       | GUARDSMAN      | 5994         | 4879  | 10977  |
| 1237       | DK133          | 6290         | 4684  | 10940  |
| 1246       | MULTICHOICE    | 6473         | 4965  | 11463  |
| 1248       | JAVELIN        | 6501         | 4550  | 11073  |
| 1271       | QUATTRO HR     | 6003         | 4507  | 10465  |
| 1272       | CHOICE         | 6606         | 4856  | 11495  |
| 1273       | FS450          | 6264         | 4712  | 10977  |
| 1275       | TARTAN         | 6191         | 4926  | 11144  |
| 1276       | FS444          | 6820         | 5173  | 11841  |
| 1285       | FORERUNNER     | 6132         | 4485  | 10633  |
| 1296       | PROLEAF        | 6472         | 4654  | 11025  |
| 1297       | 5454           | 6341         | 4335  | 10759  |
| 1298       | 5312           | 6756         | 4511  | 11301  |
| 1324       | DS907          | 5790         | 4121  | 9848   |
| 1325       | MAGNUM IV      | 6052         | 5038  | 11212  |
| 1331       | DK127          | 6638         | 4549  | 10874  |
| 1361       | DS 9410        | 5901         | 5070  | 10827  |
| 1362       | MAGNAGRAZE     | 5988         | 4521  | 10470  |
| 1422       | FORECAST1000   | 6319         | 4441  | 10925  |
| 1423       | FORECAST3000   | 6149         | 5123  | 11254  |
| 1425       | A9303          | 6955         | 4636  | 11564  |
| 1426       | A9305          | 6595         | 4573  | 11111  |
| 1445       | ABI 9141       | 6158         | 5201  | 11207  |
| 1446       | ABI 9122       | 6713         | 5008  | 11737  |
| 1447       | 3L21           | 6065         | 4821  | 10998  |
| 1448       | 3L23           | 7233         | 4260  | 11508  |
| 1458       | DK143          | 6905         | 4315  | 11204  |
| 1461       | 5347LH         | 5579         | 4562  | 10134  |
| 1463       | ARREST         | 5395         | 4515  | 9842   |
| 1464       | TMF GENERATION | 5956         | 4955  | 10879  |
| 1465       | TMF MULTIPLIER | 6085         | 5195  | 11392  |
| 9053       | CENTURION      | 6510         | 4479  | 10938  |
| Mean       |                | 6293         | 4723  | 11016  |
| C.V.       |                | 8.3          | 10.1  | 6.7    |
| Pr>F(Trts) |                | 0.2406       | 0.869 | 0.7063 |
| R-Square   |                | 0.61         | 0.57  | 0.54   |

ONTARIO  
 New Liskeard  
 Red Clover 97  
 Expt. 9712  
 Seeded 1997

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 4017 | FLOREX         | 3717         | 3434   | 7151   | 9834   | 13894  | 30879  |
| 4034 | PERSIST        | 4052         | 4044   | 8096   | 10224  | 14117  | 32437  |
| 4036 | ATLAS          | 3552         | 3377   | 6929   | 9541   | 14286  | 30756  |
| 4055 | WALTER         | 3414         | 2949   | 6363   | 9719   | 14170  | 30252  |
| 4057 | RAM            | 3255         | 4571   | 7826   | 10188  | 14228  | 32242  |
| 4059 | CONCORDE       | 3420         | 3308   | 6728   | 9630   | 14444  | 30803  |
| 4074 | PRIMA          | 3311         | 3968   | 7278   | 8322   | 13819  | 29419  |
| 4079 | AC_ENDURE      | 3225         | 3263   | 6488   | 7618   | 14153  | 28259  |
| 4080 | TEMPUS         | 2577         | 3397   | 5974   | 6686   | 13979  | 26639  |
| 4081 | RC8702         | 3553         | 4101   | 7654   | 9318   | 14643  | 31615  |
|      | 900 Mean       | 3408         | 3641   | 7049   | 9108   | 14173  | 30330  |
|      | 901 CV         | 8.5          | 19.7   | 12.1   | 6.3    | 5.7    | 4.4    |
|      | 905 MCV        | 10.3         | 23.7   | 14.5   | 7.5    | 6.8    | 5.3    |
|      | 902 LSD        | 350.6        | 861.6  | 1024.9 | 687.2  | 970.1  | 1612.9 |
|      | 906 LSR        | 23.8         | 53.1   | 48.3   | 19.4   | 117.7  | 27.8   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0861 | 0.0279 | 0.0000 | 0.9344 | 0.0000 |
|      | 908 R_square   | 72.0         | 41.4   | 47.0   | 86.4   | 23.1   | 73.7   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
Elora  
Red Clover  
Expt. 2762  
Seeded 1988

|       |                | 2000 (kg/ha) |        |        |        |        |
|-------|----------------|--------------|--------|--------|--------|--------|
| Code  | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 4017  | FLOREX         | 6392         | 4544   | 10851  | 7290   | 18069  |
| 4036  | ATLAS          | 5380         | 4061   | 9489   | 7926   | 17457  |
| 4055  | WALTER         | 6310         | 4404   | 10750  | 8531   | 19539  |
| 4057  | RAM            | 5575         | 4168   | 9749   | 8615   | 18318  |
| 4059  | CONCORDE       | 5849         | 4082   | 9903   | 9344   | 19228  |
| 4074  | PRIMA          | 6224         | 4440   | 10675  | 8667   | 19245  |
| 4080  | TEMPUS         | 6970         | 4424   | 11523  | 8099   | 19687  |
| 4081  | RC8702         | 4877         | 4006   | 8838   | 8084   | 16863  |
| 4082  | AC_CHRISTIE    | 5204         | 4546   | 9832   | 6207   | 16010  |
| 10218 | RC1494-04      | 6312         | 4471   | 10688  | 8201   | 18875  |
| 10219 | RC1495-01      | 6028         | 4294   | 10335  | 7538   | 17893  |
| 10220 | RC1495-02      | 5880         | 4459   | 10267  | 8404   | 18621  |
|       | 900 Mean       | 5917         | 4325   | 10242  | 8076   | 18317  |
|       | 901 CV         | 9.3          | 7.7    | 6.8    | 6.2    | 4.6    |
|       | 905 MCV        | 11.2         | 9.2    | 8.1    | 7.4    | 5.5    |
|       | 902 LSD        | 661.6        | 397.9  | 831.8  | 598.5  | 1006.9 |
|       | 906 LSR        | 31.6         | 73.7   | 31.0   | 19.1   | 27.4   |
|       | 907 Pr>F(Trts) | 0.0008       | 0.2268 | 0.0010 | 0.0000 | 0.0000 |
|       | 908 R_square   | 64.0         | 46.7   | 66.4   | 87.5   | 81.6   |

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

ONTARIO  
 Elora  
 Red Clover trial  
 Expt. 2778  
 Seeded 1999

|                |             | 2000 (kg/ha) |        |        |
|----------------|-------------|--------------|--------|--------|
| Code           | Cultivar    | Cut 1        | Cut 2  | Tot00  |
| 4036           | ATLAS       | 8746         | 3185   | 11861  |
| 4055           | WALTER      | 9508         | 3115   | 12506  |
| 4057           | RAM         | 7918         | 3456   | 11394  |
| 4059           | CONCORDE    | 8433         | 3591   | 12011  |
| 4066           | LASER       | 8647         | 3121   | 11773  |
| 4073           | BELLE       | 8730         | 3332   | 11985  |
| 4074           | PRIMA       | 8971         | 3207   | 12073  |
| 4079           | AC_ENDURE   | 8143         | 3650   | 11816  |
| 4080           | TEMPUS      | 9721         | 3677   | 13249  |
| 4081           | RC8702      | 7631         | 3739   | 11582  |
| 4082           | AC_CHRISTIE | 7520         | 3247   | 10818  |
| 4083           | REDLANGRAZE | 8540         | 3491   | 12029  |
| 4084           | VIVI        | 11626        | 1607   | 13248  |
| 4085           | PAR9097     | 8217         | 3203   | 11626  |
| 900 Mean       |             | 8739         | 3258   | 11998  |
| 901 CV         |             | 9.5          | 6.2    | 6.5    |
| 905 MCV        |             | 11.4         | 7.4    | 7.8    |
| 902 LSD        |             | 994.9        | 241.6  | 934.2  |
| 906 LSR        |             | 24.2         | 11.3   | 38.4   |
| 907 Pr>F(Trts) |             | 0.0000       | 0.0000 | 0.0277 |
| 908 R_square   |             | 71.4         | 91.5   | 65.0   |

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

ONTARIO  
 Thunder Bay  
 Red Clover 1999  
 Expt. 7298  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 4036 | ATLAS          | 3920         | 2614   | 6534   |
| 4055 | WALTER         | 4746         | 2377   | 7122   |
| 4057 | RAM            | 3258         | 2497   | 5755   |
| 4059 | CONCORDE       | 3669         | 2595   | 6264   |
| 4066 | LASER          | 3819         | 2679   | 6498   |
| 4073 | BELLE          | 4322         | 2562   | 6884   |
| 4074 | PRIMA          | 4020         | 2524   | 6545   |
| 4079 | AC_ENDURE      | 3821         | 2922   | 6743   |
| 4080 | TEMPUS         | 3685         | 3058   | 6743   |
| 4081 | RC8702         | 3925         | 2593   | 6518   |
| 4082 | AC_CHRISTIE    | 2718         | 2861   | 5578   |
| 4083 | REDLANGRAZE    | 4047         | 2547   | 6594   |
| 4084 | VIVI           | 4540         | 1528   | 6069   |
| 4085 | PAR9097        | 3740         | 2553   | 6293   |
|      | 900 Mean       | 3874         | 2565   | 6439   |
|      | 901 CV         | 14.4         | 4.0    | 8.5    |
|      | 905 MCV        | 17.3         | 4.8    | 10.2   |
|      | 902 LSD        | 670.6        | 122.6  | 655.8  |
|      | 906 LSR        | 33.1         | 8.0    | 42.5   |
|      | 907 Pr>F(Trts) | 0.0023       | 0.0000 | 0.0188 |
|      | 908 R_square   | 70.4         | 94.1   | 70.7   |

RCBD arrangement, 4 blocks {1234}



KAPUSKASING 2000  
 EXP: 6536  
 1999 OFCC RED CLOVER

YIELD (kg DM/ha)

| CULTIVARS    | Code | C-1  | C-2  | TOTAL |
|--------------|------|------|------|-------|
| TEMPUS       | 4080 | 4459 | 4553 | 9012  |
| AC ENDURE    | 4079 | 4186 | 3868 | 8054  |
| REDLANDGRAZE | 4083 | 4511 | 3107 | 7618  |
| VIVI         | 4084 | 5247 | 2222 | 7469  |
| CRS-16       | 4082 | 3339 | 4040 | 7379  |
| BELLE        | 4073 | 4165 | 3052 | 7217  |
| RC 8702      | 4081 | 3897 | 3315 | 7212  |
| PAR 9097     | 4085 | 4080 | 3125 | 7205  |
| PRIMA        | 4074 | 4230 | 2884 | 7114  |
| LASER        | 4066 | 4111 | 2941 | 7052  |
| CONCORDE     | 4059 | 3833 | 3143 | 6976  |
| RAM          | 4057 | 3924 | 3050 | 6974  |
| WALTER       | 4055 | 4243 | 2682 | 6925  |
| ATLAS        | 4036 | 3878 | 2954 | 6832  |
| MEAN         |      | 4150 | 3210 | 7360  |
| C.V. %       |      | 9.3  | 5.0  | 6.1   |
| F            |      | **   | **   | **    |
| L.S.D.5%     | 552  | 231  |      | 647   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 07/04/2000 08/17/2000

ONTARIO  
Kemptville  
RED CLOVER 99  
Seeded 1999

| Code          | Cultivar    | 2000 (kg/ha) |       | Cut 3 | Total |
|---------------|-------------|--------------|-------|-------|-------|
|               |             | Cut 1        | Cut 2 |       |       |
| 4036          | ATLAS       | 3527         | 3781  | 4438  | 11747 |
| 4055          | WALTER      | 4324         | 3986  | 5036  | 13345 |
| 4057          | RAM         | 3315         | 4126  | 4537  | 11978 |
| 4059          | CONCORDE    | 2879         | 3379  | 4671  | 10930 |
| 4066          | LASER       | 3196         | 3889  | 5259  | 12344 |
| 4073          | BELLE       | 3765         | 3967  | 4867  | 12599 |
| 4074          | PRIMA       | 3802         | 3927  | 4584  | 12313 |
| 4079          | AC ENDURE   | 3277         | 3730  | 4441  | 11447 |
| 4080          | TEMPUS      | 3660         | 3852  | 4067  | 11579 |
| 4081          | RC8702      | 3401         | 3759  | 4738  | 11898 |
| 4082          | AC CHRISTIE | 3017         | 3467  | 4217  | 10701 |
| 4083          | REDLANGRAZE | 3686         | 3429  | 4786  | 11901 |
| 4084          | VIVI        | 4694         | 2470  | 4655  | 11819 |
| 4085          | PAR9097     | 4136         | 4248  | 4587  | 12971 |
| Harvest means |             | 3620         | 3715  | 4634  | 11969 |
| CV %          |             | 15.3         | 7.0   | 6.3   | 5.5   |
| LSD (5%)      |             | 665.3        | 312.0 | 349.3 | 791.6 |

KAPUSKASING 2000

EXP: 6578

1995 OFCC TREFOIL + TIMOTHY TRIAL

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| DAWN      | 7008 | 4102 | 1839 | 5941  |
| EMPIRE    | 7003 | 4104 | 1518 | 5622  |
| 01-1984-1 | 7038 | 3579 | 2034 | 5613  |
| 01-1984-2 | 7039 | 3645 | 1947 | 5592  |
| BULL      | 7034 | 3606 | 1815 | 5421  |
| RC4SYN2   | 7031 | 3532 | 1729 | 5261  |
| LEO       | 7001 | 2980 | 1574 | 4554  |
| MEAN      |      | 3650 | 1779 | 5429  |
| C.V. %    |      | 10.8 | 11.4 | 9.8   |
| F         |      | *    | *    | *     |
| L.S.D.5%  |      | 583  | 301  | 792   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 07/04/2000 08/17/2000

ONTARIO  
 New Liskeard  
 Trefoil1997  
 Expt. 9711  
 Seeded 1997

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 7001 | LEO            | 3851         | 3494   | 7345   | 9119   | 12889  | 29353  |
| 7003 | EMPIRE         | 5165         | 4384   | 9550   | 9569   | 12782  | 31901  |
| 7028 | FERGUS         | 4632         | 3805   | 8437   | 8526   | 12845  | 29808  |
| 7031 | OAC_BRIGHT     | 3573         | 3389   | 6962   | 8669   | 14192  | 29823  |
| 7034 | BULL           | 4057         | 3393   | 7450   | 8287   | 14355  | 30093  |
|      | 900 Mean       | 4256         | 3693   | 7949   | 8834   | 13412  | 30195  |
|      | 901 CV         | 6.3          | 7.2    | 5.3    | 11.6   | 3.4    | 4.0    |
|      | 905 MCV        | 8.0          | 9.0    | 6.6    | 14.6   | 4.2    | 5.1    |
|      | 902 LSD        | 338.8        | 333.5  | 527.3  | 1288.1 | 566.8  | 1535.9 |
|      | 906 LSR        | 21.3         | 33.5   | 20.4   | 100.5  | 36.0   | 60.3   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0009 | 0.0000 | 0.4467 | 0.0004 | 0.0862 |
|      | 908 R_square   | 88.4         | 78.0   | 89.4   | 26.0   | 84.9   | 53.0   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Thunder Bay  
 Trefoil + timothy 98  
 Expt. 7282  
 Seeded 1998

|      |                | 2000 (kg/ha) |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 7001 | LEO            | 5364         | 980    | 6344   | 9112   | 15456  |
| 7003 | EMPIRE         | 5865         | 685    | 6551   | 9256   | 15806  |
| 7031 | OAC_BRIGHT     | 5817         | 797    | 6614   | 8281   | 14896  |
| 7034 | BULL           | 5434         | 976    | 6410   | 8817   | 15227  |
| 7038 | WELLINGTON     | 5433         | 1035   | 6468   | 8619   | 15087  |
| 7041 | AC_LANGILLE    | 5214         | 804    | 6018   | 8902   | 14920  |
|      | 900 Mean       | 5521         | 880    | 6401   | 8831   | 15232  |
|      | 901 CV         | 6.6          | 11.3   | 6.3    | 7.5    | 5.8    |
|      | 905 MCV        | 8.2          | 14.0   | 7.8    | 9.2    | 7.2    |
|      | 902 LSD        | 453.9        | 123.0  | 497.6  | 816.1  | 1096.8 |
|      | 906 LSR        | 69.7         | 35.2   | 83.4   | 83.8   | 120.5  |
|      | 907 Pr>F(Trts) | 0.1314       | 0.0010 | 0.3990 | 0.3879 | 0.6853 |
|      | 908 R_square   | 44.6         | 77.4   | 33.8   | 30.4   | 23.2   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6583  
 1998 OFCC TREFOIL /TIMOTHY

YIELD (kg DM/ha)

| CULTIVARS  | Code | C-1  | C-2  | TOTAL |
|------------|------|------|------|-------|
| LEO        | 7001 | 5339 | 1328 | 6667  |
| WELLINGTON | 7038 | 5038 | 1398 | 6436  |
| BULL       | 7034 | 5114 | 1208 | 6322  |
| EMPIRE     | 7003 | 4896 | 922  | 5818  |
| OAC BRIGHT | 7031 | 4775 | 979  | 5754  |
| LANGILLE   | 7041 | 4572 | 1173 | 5745  |
| MEAN       |      | 4956 | 1168 | 6124  |
| C.V. %     |      | 4.6  | 12.2 | 4.9   |
| F          |      | **   | **   | **    |
| L.S.D.5%   |      | 344  | 214  | 448   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 07/04/2000 08/15/2000

ONTARIO  
 Thunder Bay  
 Trefoil + Timothy 1999  
 Expt. 7296  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 7001 | LEO            | 7208         | 1808   | 9016   |
| 7003 | EMPIRE         | 7272         | 1494   | 8766   |
| 7031 | OAC_BRIGHT     | 6811         | 1746   | 8557   |
| 7034 | BULL           | 6883         | 1948   | 8831   |
| 7038 | WELLINGTON     | 6703         | 1952   | 8655   |
| 7041 | AC_LANGILLE    | 7132         | 1690   | 8822   |
| 7042 | ROSEAU         | 7770         | 1733   | 9504   |
|      | 900 Mean       | 7111         | 1767   | 8879   |
|      | 901 CV         | 8.7          | 7.9    | 6.6    |
|      | 905 MCV        | 10.6         | 9.7    | 8.1    |
|      | 902 LSD        | 756.3        | 171.3  | 715.7  |
|      | 906 LSR        | 70.9         | 37.4   | 75.6   |
|      | 907 Pr>F(Trts) | 0.2812       | 0.0032 | 0.3814 |
|      | 908 R_square   | 46.0         | 70.9   | 52.7   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Trefoil 99  
 Expt. 9914  
 Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |
|----------------|-------------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Tot00  |
| 7001           | LEO         | 7319   | 4691   | 12010  |
| 7003           | EMPIRE      | 7493   | 3595   | 11088  |
| 7031           | OAC_BRIGHT  | 8324   | 4637   | 12961  |
| 7034           | BULL        | 8093   | 4782   | 12875  |
| 7038           | WELLINGTON  | 7840   | 4472   | 12312  |
| 7041           | AC_LANGILLE | 8335   | 5151   | 13486  |
| 7042           | ROSEAU      | 7346   | 4862   | 12208  |
| 900 Mean       |             | 7821   | 4598   | 12420  |
| 901 CV         |             | 7.3    | 15.8   | 9.0    |
| 905 MCV        |             | 9.0    | 19.3   | 11.1   |
| 902 LSD        |             | 703.4  | 888.4  | 1378.1 |
| 906 LSR        |             | 69.2   | 57.1   | 57.5   |
| 907 Pr>F(Trts) |             | 0.0713 | 0.1488 | 0.1323 |
| 908 R_square   |             | 49.2   | 51.9   | 41.2   |

RCBD arrangement, 4 blocks {1234}



ONTARIO  
 Thunder Bay  
 White Clover+Orchard 98  
 Expt. 7281  
 Seeded 1998

| 2000 (kg/ha) |                |        |        |        |        |        |
|--------------|----------------|--------|--------|--------|--------|--------|
| Code         | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 8007         | CAL_LADINO     | 710    | 607    | 1317   | 7300   | 8617   |
| 8008         | PICK_LADINO    | 645    | 556    | 1201   | 7342   | 8543   |
| 8010         | CANOPY         | 671    | 533    | 1204   | 7690   | 8894   |
| 8012         | OSCEOLA        | 732    | 588    | 1319   | 7763   | 9083   |
| 8013         | SHASTA         | 715    | 639    | 1354   | 7667   | 9021   |
| 8014         | ALICE          | 832    | 644    | 1476   | 7906   | 9382   |
| 8023         | ADVANTAGE      | 801    | 625    | 1426   | 8288   | 9714   |
| 8022         | OTAVANYZ       | 751    | 573    | 1323   | 7854   | 9178   |
|              | 900 Mean       | 732    | 596    | 1328   | 7726   | 9054   |
|              | 901 CV         | 9.3    | 8.6    | 7.8    | 3.4    | 3.3    |
|              | 905 MCV        | 11.3   | 10.4   | 9.4    | 4.1    | 4.0    |
|              | 902 LSD        | 82.8   | 62.0   | 125.3  | 318.6  | 363.6  |
|              | 906 LSR        | 44.4   | 55.7   | 45.7   | 32.2   | 31.0   |
|              | 907 Pr>F(Trts) | 0.0148 | 0.0493 | 0.0131 | 0.0008 | 0.0003 |
|              | 908 R_square   | 76.9   | 93.4   | 89.9   | 84.7   | 89.9   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Elora  
 White Clover /Orchard grass  
 Expt. 2776  
 Seeded 1999

|                |            | 2000 (kg/ha) |        |        |        |        |
|----------------|------------|--------------|--------|--------|--------|--------|
| Code           | Cultivar   | Cut 1        | Cut 2  | Cut 3  | Cut 4  | Tot00  |
| 8005           | SACRAMENTO | 4348         | 1881   | 2132   | 1637   | 9804   |
| 8007           | CAL_LADINO | 4576         | 1941   | 2147   | 1585   | 10495  |
| 8010           | CANOPY     | 4649         | 2016   | 2225   | 1709   | 10638  |
| 8012           | OSCEOLA    | 4683         | 2002   | 2181   | 1731   | 10708  |
| 8013           | SHASTA     | 4785         | 2093   | 2260   | 1803   | 10935  |
| 8014           | ALICE      | 4242         | 1823   | 1785   | 1281   | 9140   |
| 8022           | OTAVNYJ    | 5184         | 2132   | 2157   | 1453   | 10743  |
| 8023           | ADVANTAGE  | 4748         | 2107   | 2295   | 1804   | 10934  |
| 900 Mean       |            | 4652         | 1999   | 2148   | 1625   | 10424  |
| 901 CV         |            | 5.3          | 8.2    | 7.8    | 7.9    | 4.3    |
| 905 MCV        |            | 6.5          | 10.0   | 9.6    | 9.7    | 5.3    |
| 902 LSD        |            | 302.0        | 200.0  | 205.5  | 157.3  | 550.0  |
| 906 LSR        |            | 32.0         | 64.6   | 40.3   | 30.1   | 30.6   |
| 907 Pr>F(Trts) |            | 0.0070       | 0.1421 | 0.0282 | 0.0055 | 0.0002 |
| 908 R_square   |            | 71.6         | 69.8   | 66.1   | 90.6   | 80.1   |

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

ONTARIO  
 Thunder Bay  
 White Clover + Orchard  
 Expt. 7297  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 8005 | SACRAMENTO     | 611          | 772    | 1383   |
| 8007 | CAL_LADINO     | 747          | 1108   | 1855   |
| 8010 | CANOPY         | 693          | 940    | 1633   |
| 8012 | OSCEOLA        | 645          | 839    | 1485   |
| 8013 | SHASTA         | 727          | 974    | 1701   |
| 8014 | ALICE          | 1045         | 1273   | 2318   |
| 8022 | OTAVNYJ        | 1153         | 1414   | 2567   |
| 8023 | ADVANTAGE      | 616          | 766    | 1382   |
|      | 900 Mean       | 779          | 1011   | 1790   |
|      | 901 CV         | 10.4         | 14.0   | 10.9   |
|      | 905 MCV        | 12.7         | 17.0   | 13.3   |
|      | 902 LSD        | 98.9         | 171.9  | 237.5  |
|      | 906 LSR        | 18.2         | 26.5   | 20.0   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0000 | 0.0000 |
|      | 908 R_square   | 91.9         | 87.5   | 91.5   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6613  
 1999 OFCC WHITE CLOVER

YIELD (kg DM/ha)

| CULTIVARS    | Code | C-1  | C-2  | TOTAL |
|--------------|------|------|------|-------|
| ALICE        | 8014 | 5199 | 1823 | 7022  |
| LADINO       | 8007 | 4746 | 2029 | 6775  |
| OTAVNYZ      | 8022 | 4394 | 2185 | 6579  |
| ADVANTAGE    | 8023 | 4410 | 1880 | 6290  |
| OSCEOLA      | 8012 | 4366 | 1814 | 6180  |
| CANOPY       | 8010 | 4469 | 1561 | 6030  |
| SACRAMENTO   | 8008 | 4207 | 1750 | 5957  |
| SHASTA       | 8013 | 3941 | 1785 | 5726  |
| MEAN/MOYENNE |      | 4466 | 1853 | 6319  |
| C.V. %       |      | 9.6  | 11.8 | 7.5   |
| F            |      | ns   | *    | ns    |
| L.S.D.5%     |      | 618  | 287  | 662   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 07/04/2000 08/15/2000

ONTARIO  
Thunder Bay  
Bromegrass 96  
Expt. 7262  
Seeded 1996

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 2001 | BAYLOR         | 6009         | 1259   | 7268   | 5559   | 3673   | 16500  |
| 2002 | SARATOGA       | 5644         | 1635   | 7278   | 5288   | 3462   | 16029  |
| 2027 | BEACON         | 6013         | 1097   | 7110   | 5532   | 3332   | 15974  |
| 2039 | BRAVO          | 5734         | 1487   | 7221   | 5685   | 3445   | 16351  |
| 2051 | RADISSON       | 2915         | 642    | 3557   | 2703   | 3481   | 9741   |
| 2056 | LEIF           | 5754         | 939    | 6693   | 4967   | 3198   | 14858  |
|      | 900 Mean       | 5345         | 1176   | 6521   | 4956   | 3432   | 14909  |
|      | 901 CV         | 5.5          | 16.1   | 4.7    | 7.9    | 9.4    | 3.7    |
|      | 905 MCV        | 8.1          | 23.8   | 7.0    | 11.7   | 3.9    | 5.5    |
|      | 902 LSD        | 432.2        | 279.4  | 453.5  | 578.6  | 477.6  | 825.5  |
|      | 906 LSR        | 14.0         | 28.1   | 12.2   | 19.4   | 100.5  | 12.2   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0009 | 0.0000 | 0.0000 | 0.6198 | 0.0000 |
|      | 908 R_square   | 96.3         | 84.9   | 97.2   | 92.7   | 32.2   | 97.0   |

RCBD arrangement, 3 blocks {124}

ONTARIO  
 New Liskeard  
 Bromegrass A  
 Expt. 9613  
 Seeded 1996

|      |                | 2000 (kg/ha) |        |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 2001 | BAYLOR         | 7486         | 3376   | 10862  | 9564   | 5163   | 11346  | 36935  |
| 2002 | SARATOGA       | 6958         | 2838   | 9796   | 9839   | 5454   | 12008  | 37096  |
| 2027 | BEACON         | 7262         | 2623   | 9885   | 10221  | 5201   | 11149  | 36456  |
| 2039 | BRAVO          | 7351         | 2826   | 10177  | 10176  | 5779   | 11220  | 37352  |
| 2051 | RADISSON       | 7129         | 2982   | 10112  | 10121  | 6236   | 11569  | 38037  |
| 2056 | LEIF           | 6565         | 3104   | 9669   | 9986   | 5857   | 10838  | 36350  |
|      | 900 Mean       | 7125         | 2958   | 10083  | 9985   | 5615   | 11355  | 37038  |
|      | 901 CV         | 5.8          | 25.7   | 8.6    | 10.2   | 7.1    | 4.0    | 5.4    |
|      | 905 MCV        | 7.2          | 31.8   | 10.6   | 12.6   | 8.9    | 5.0    | 6.7    |
|      | 902 LSD        | 512.5        | 941.0  | 1071.7 | 1261.8 | 497.4  | 562.3  | 2469.4 |
|      | 906 LSR        | 55.6         | 125.0  | 89.8   | 191.9  | 46.4   | 48.1   | 146.4  |
|      | 907 Pr>F(Trts) | 0.0740       | 0.7920 | 0.4654 | 0.9378 | 0.0123 | 0.0400 | 0.8501 |
|      | 908 R_square   | 66.4         | 14.8   | 34.0   | 16.3   | 65.2   | 64.2   | 12.6   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6180  
 1996 OFCC BROME TRIAL

YIELD (kg DM/ha))

| CULTIVARS |      | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| BRAVO     | 2039 | 4356 | 1252 | 5608  |
| SARATOGA  | 2002 | 3927 | 1352 | 5279  |
| RADISSON  | 2051 | 3857 | 1167 | 5024  |
| BAYLOR    | 2001 | 3677 | 1258 | 4935  |
| LEIF      | 2056 | 3600 | 1209 | 4810  |
| BEACON    | 2027 | 3633 | 1071 | 4704  |
| MEAN      |      | 3842 | 1218 | 5060  |
| C.V. %    |      | 9.5  | 10.3 | 7.8   |
| F         |      | ns   | ns   | ns    |
| L.S.D.5%  |      | 667  | 227  | 722   |

RCBD arrangement, 3 blocks {234}

HARVEST DATES : 06/19/2000 08/15/2000

ONTARIO  
Thunder Bay  
Brome Reg A 97  
Expt. 7274  
Seeded 1997

| 2000 (kg/ha)                      |                |        |        |        |        |        |        |
|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|
| Code                              | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 2001                              | BAYLOR         | 5799   | 933    | 6731   | 6767   | 8114   | 21612  |
| 2002                              | SARATOGA       | 5607   | 1126   | 6733   | 6346   | 8228   | 21306  |
| 2027                              | BEACON         | 6003   | 951    | 6954   | 6482   | 8449   | 21884  |
| 2039                              | BRAVO          | 5926   | 1118   | 7044   | 6497   | 8244   | 21785  |
| 2051                              | RADISSON       | 6097   | 946    | 7042   | 6121   | 8068   | 21232  |
| 2056                              | LEIF           | 4938   | 664    | 5601   | 4988   | 7586   | 18175  |
|                                   | 900 Mean       | 5728   | 956    | 6684   | 6200   | 8115   | 20999  |
|                                   | 901 CV         | 8.2    | 17.2   | 8.6    | 10.6   | 10.5   | 9.3    |
|                                   | 905 MCV        | 10.2   | 21.3   | 10.7   | 13.2   | 13.1   | 11.6   |
|                                   | 902 LSD        | 584.8  | 203.8  | 715.7  | 815.6  | 1059.9 | 2433.3 |
|                                   | 906 LSR        | 50.5   | 44.1   | 49.6   | 45.9   | 122.8  | 65.6   |
|                                   | 907 Pr>F(Trts) | 0.0359 | 0.0142 | 0.0240 | 0.0229 | 0.7989 | 0.1281 |
|                                   | 908 R_square   | 61.4   | 58.7   | 61.2   | 59.6   | 51.3   | 48.6   |
| RCBD arrangement, 4 blocks {1234} |                |        |        |        |        |        |        |



ONTARIO  
 New Liskeard  
 Brome A Reg 97  
 Expt. 9704  
 Seeded 1997

| 2000 (kg/ha)   |          |        |        |        |        |        |        |
|----------------|----------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 2001           | BAYLOR   | 6669   | 2759   | 9428   | 13361  | 10056  | 32845  |
| 2002           | SARATOGA | 6742   | 3279   | 10021  | 14575  | 9536   | 34132  |
| 2027           | BEACON   | 7058   | 3055   | 10113  | 13620  | 9907   | 33639  |
| 2039           | BRAVO    | 7173   | 3505   | 10677  | 14309  | 8965   | 33952  |
| 2051           | RADISSON | 7525   | 3350   | 10875  | 13527  | 10459  | 34861  |
| 2056           | LEIF     | 6176   | 2537   | 8713   | 12391  | 8858   | 29962  |
| 900 Mean       |          | 6890   | 3081   | 9971   | 13631  | 9630   | 33232  |
| 901 CV         |          | 7.9    | 24.1   | 10.1   | 10.8   | 6.2    | 7.1    |
| 905 MCV        |          | 9.8    | 29.9   | 12.5   | 13.4   | 7.7    | 8.8    |
| 902 LSD        |          | 672.3  | 919.6  | 1244.5 | 1822.6 | 744.2  | 2932.1 |
| 906 LSR        |          | 49.8   | 95.0   | 57.5   | 83.4   | 46.5   | 59.9   |
| 907 Pr>F(Trts) |          | 0.0463 | 0.4489 | 0.0727 | 0.4011 | 0.0114 | 0.1156 |
| 908 R_square   |          | 53.4   | 25.6   | 48.2   | 42.5   | 61.8   | 43.5   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Brome A 1998  
 Expt. 9804  
 Seeded 1998

| 2000 (kg/ha)   |          |        |        |        |        |        |
|----------------|----------|--------|--------|--------|--------|--------|
| Code           | Cultivar | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 2001           | BAYLOR   | 7526   | 2913   | 10439  | 12093  | 22532  |
| 2002           | SARATOGA | 7604   | 3378   | 10983  | 12541  | 23524  |
| 2039           | BRAVO    | 7327   | 3029   | 10356  | 12100  | 22456  |
| 2051           | RADISSON | 7697   | 3073   | 10770  | 12593  | 23363  |
| 2056           | LEIF     | 6876   | 3099   | 9975   | 11198  | 21174  |
| 2058           | BW7      | 3523   | 2159   | 5682   | 11464  | 17147  |
| 900 Mean       |          | 6759   | 2942   | 9701   | 11998  | 21699  |
| 901 CV         |          | 7.6    | 18.4   | 9.2    | 6.3    | 6.2    |
| 905 MCV        |          | 9.4    | 22.8   | 11.4   | 7.8    | 7.7    |
| 902 LSD        |          | 638.4  | 671.4  | 1101.8 | 933.0  | 1672.0 |
| 906 LSR        |          | 15.3   | 55.1   | 20.8   | 66.9   | 26.2   |
| 907 Pr>F(Trts) |          | 0.0000 | 0.0937 | 0.0000 | 0.1025 | 0.0001 |
| 908 R_square   |          | 93.0   | 58.5   | 88.0   | 44.5   | 81.9   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6183  
 1998 OFCC BROMEGRASS "A"

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| SARATOGA  | 2002 | 5060 | 2171 | 7231  |
| LEIF      | 2056 | 4611 | 1875 | 6486  |
| BRAVO     | 2039 | 4522 | 1754 | 6276  |
| RADISSON  | 2051 | 3926 | 1971 | 5897  |
| BAYLOR    | 2001 | 3950 | 1936 | 5886  |
| MEAN      |      | 4414 | 1941 | 6355  |
| C.V. %    |      | 8.1  | 11.9 | 8.0   |
| F         |      | **   | ns   | *     |
| L.S.D.5%  |      | 548  | 355  | 784   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/19/2000 08/15/2000

ONTARIO  
 Thunder Bay  
 Bromegrass A 1999  
 Expt. 7291  
 Seeded 1999

| 2000 (kg/ha)   |           |        |        |        |
|----------------|-----------|--------|--------|--------|
| Code           | Cultivar  | Cut 1  | Cut 2  | Tot00  |
| 2001           | BAYLOR    | 6242   | 1417   | 7660   |
| 2002           | SARATOGA  | 6890   | 1591   | 8481   |
| 2039           | BRAVO     | 6913   | 1768   | 8681   |
| 2051           | RADISSON  | 6679   | 1699   | 8378   |
| 2054           | PADDOCK   | 7931   | 1986   | 9918   |
| 2059           | CAS-AZ_11 | 5337   | 630    | 5967   |
| 2060           | PEAK      | 6570   | 1973   | 8543   |
| 2061           | LOBF_9201 | 7293   | 1604   | 8897   |
| 900 Mean       |           | 6732   | 1584   | 8315   |
| 901 CV         |           | 11.0   | 14.8   | 10.2   |
| 905 MCV        |           | 13.4   | 18.1   | 12.4   |
| 902 LSD        |           | 903.1  | 286.1  | 1028.2 |
| 906 LSR        |           | 34.8   | 21.1   | 26.0   |
| 907 Pr>F(Trts) |           | 0.0051 | 0.0000 | 0.0002 |
| 908 R_square   |           | 60.5   | 86.7   | 73.9   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Brome A 99  
 Expt. 9907  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 2001 | BAYLOR         | 7804         | 4890   | 12695  |
| 2002 | SARATOGA       | 8036         | 4673   | 12710  |
| 2039 | BRAVO          | 7347         | 5216   | 12563  |
| 2051 | RADISSON       | 8469         | 4935   | 13404  |
| 2054 | PADDOCK        | 6909         | 4891   | 11800  |
| 2059 | CAS-AZ_11      | 7575         | 4207   | 11782  |
| 2060 | PEAK           | 9078         | 5616   | 14694  |
| 2061 | LOBF_9201      | 6959         | 4969   | 11928  |
|      | 900 Mean       | 7772         | 4925   | 12697  |
|      | 901 CV         | 8.5          | 8.6    | 6.5    |
|      | 905 MCV        | 10.4         | 10.5   | 7.9    |
|      | 902 LSD        | 806.6        | 517.9  | 1005.4 |
|      | 906 LSR        | 37.2         | 36.8   | 34.5   |
|      | 907 Pr>F(Trts) | 0.0018       | 0.0105 | 0.0010 |
|      | 908 R_square   | 64.7         | 69.2   | 69.5   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Kemptville  
 BROMEGRASS REG A 99  
 Seeded 1999

| Code                              | Cultivar  | 2000 (kg/ha) |       |       |        |
|-----------------------------------|-----------|--------------|-------|-------|--------|
|                                   |           | Cut 1        | Cut 2 | Cut 3 | Total  |
| 2001                              | BAYLOR    | 9089         | 1774  | 3191  | 14053  |
| 2002                              | SARATOGA  | 7702         | 1872  | 2870  | 12444  |
| 2039                              | BRAVO     | 8338         | 2596  | 2738  | 13672  |
| 2051                              | RADISSON  | 8349         | 2112  | 3166  | 13627  |
| 2054                              | PADDOCK   | 8212         | 2508  | 4366  | 15086  |
| 2059                              | CAS-AZ 11 | 8019         | 1539  | 2856  | 12414  |
| 2060                              | PEAK      | 8759         | 2011  | 2774  | 13545  |
| 2061                              | LOBF 9201 | 9050         | 1836  | 2932  | 13817  |
| Harvest means                     |           | 8440         | 2031  | 3112  | 13582  |
| CV %                              |           | 12.3         | 17.1  | 13.8  | 8.3    |
| LSD (5%)                          |           | 1260.5       | 423.0 | 521.6 | 1374.6 |
| RCBD arrangement, 4 blocks {1234} |           |              |       |       |        |

ONTARIO  
Elora  
Meadow Bromegrass Trial  
Expt. 2745  
Seeded 1997

| 2000 (kg/ha) |                |        |        |        |        |        |        |        |        |
|--------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Code         | Cultivar       | Cut 1  | Cut 2  | Cut 3  | Cut 4  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 2001         | BAYLOR         | 6037   | 1065   | 1091   | 628    | 8822   | 10824  | 7991   | 27637  |
| 2002         | SARATOGA       | 5434   | 1078   | 1088   | 650    | 8250   | 11022  | 8703   | 27975  |
| 2027         | BEACON         | 6353   | 936    | 1142   | 665    | 9095   | 11077  | 7060   | 27232  |
| 2039         | BRAVO          | 7085   | 1128   | 933    | 669    | 9815   | 11658  | 9606   | 31078  |
| 2051         | RADISSON       | 5710   | 829    | 1047   | 729    | 8315   | 10403  | 6931   | 25649  |
| 2054         | PADDOCK        | 8175   | 979    | 1701   | 1122   | 11977  | 12607  | 10067  | 34651  |
| 2055         | COTTONWOOD     | 7172   | 920    | 1179   | 796    | 10067  | 11097  | 8340   | 29504  |
| 2056         | LEIF           | 5170   | 963    | 988    | 605    | 7726   | 10116  | 8855   | 26697  |
| 2057         | FLEET          | 8505   | 833    | 1631   | 1070   | 12039  | 11839  | 9725   | 33603  |
|              | 900 Mean       | 6627   | 970    | 1200   | 770    | 9567   | 11183  | 8587   | 29336  |
|              | 901 CV         | 8.9    | 13.0   | 12.4   | 14.9   | 7.7    | 10.8   | 12.9   | 8.7    |
|              | 905 MCV        | 12.7   | 18.5   | 17.7   | 21.2   | 11.0   | 15.4   | 18.4   | 12.3   |
|              | 902 LSD        | 844.1  | 179.2  | 212.7  | 163.3  | 1050.2 | 1720.2 | 1577.1 | 3618.9 |
|              | 906 LSR        | 25.3   | 59.9   | 27.7   | 31.5   | 24.4   | 69.0   | 50.3   | 40.2   |
|              | 907 Pr>F(Trts) | 0.0000 | 0.0999 | 0.0001 | 0.0002 | 0.0000 | 0.3656 | 0.0261 | 0.0047 |
|              | 908 R_square   | 86.2   | 55.2   | 84.4   | 81.4   | 87.7   | 39.5   | 61.6   | 70.2   |

RCBD arrangement, 3 blocks {234}

ONTARIO  
 Thunder Bay  
 Brome Reg D 97  
 Expt. 7275  
 Seeded 1997

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 2001 | BAYLOR         | 2730         | 983    | 3713   | 4705   | 7799   | 16217  |
| 2002 | SARATOGA       | 2745         | 1172   | 3917   | 4931   | 7978   | 16826  |
| 2027 | BEACON         | 2752         | 823    | 3575   | 5060   | 7756   | 16391  |
| 2039 | BRAVO          | 2734         | 1127   | 3861   | 4542   | 8717   | 17120  |
| 2051 | RADISSON       | 2677         | 958    | 3635   | 4470   | 8279   | 16383  |
| 2054 | PADDOCK        | 2870         | 1999   | 4869   | 5406   | 8895   | 19170  |
| 2055 | COTTONWOOD     | 2649         | 820    | 3468   | 4476   | 7429   | 15373  |
| 2056 | LEIF           | 2311         | 793    | 3104   | 3804   | 7667   | 14575  |
| 2057 | FLEET          | 2942         | 1995   | 4937   | 5344   | 9473   | 19753  |
|      | 900 Mean       | 2712         | 1186   | 3898   | 4749   | 8221   | 16868  |
|      | 901 CV         | 5.9          | 7.5    | 4.9    | 5.8    | 7.1    | 4.4    |
|      | 905 MCV        | 7.2          | 9.1    | 5.9    | 7.1    | 8.6    | 5.3    |
|      | 902 LSD        | 194.7        | 107.6  | 230.8  | 336.1  | 704.6  | 899.1  |
|      | 906 LSR        | 30.9         | 8.9    | 12.6   | 21.0   | 34.5   | 17.4   |
|      | 907 Pr>F(Trts) | 0.0014       | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 |
|      | 908 R_square   | 72.0         | 97.5   | 93.5   | 81.9   | 66.4   | 87.5   |

RCBD arrangement, 4 blocks {1234}



ONTARIO  
 New Liskeard  
 Brome Reg D 1997  
 Expt. 9706  
 Seeded 1997

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 2001 | BAYLOR         | 4780         | 2670   | 7450   | 10603  | 13358  | 31411  |
| 2002 | SARATOGA       | 4561         | 3079   | 7640   | 9959   | 13588  | 31187  |
| 2027 | BEACON         | 4949         | 2320   | 7269   | 9953   | 13328  | 30550  |
| 2039 | BRAVO          | 4626         | 2971   | 7597   | 10541  | 14052  | 32190  |
| 2051 | RADISSON       | 3628         | 3075   | 6703   | 10277  | 14197  | 31177  |
| 2054 | PADDOCK        | 5742         | 2556   | 8298   | 12589  | 12755  | 33643  |
| 2055 | COTTONWOOD     | 4732         | 2688   | 7420   | 10402  | 12021  | 29843  |
| 2056 | LEIF           | 4320         | 2358   | 6678   | 9879   | 11603  | 28160  |
| 2057 | FLEET          | 5338         | 2361   | 7699   | 12036  | 11522  | 31257  |
|      | 900 Mean       | 4742         | 2675   | 7417   | 10693  | 12936  | 31046  |
|      | 901 CV         | 10.9         | 12.7   | 9.5    | 8.9    | 10.9   | 6.6    |
|      | 905 MCV        | 13.2         | 15.3   | 11.5   | 10.7   | 13.2   | 8.0    |
|      | 902 LSD        | 623.9        | 409.6  | 851.1  | 1148.2 | 1709.3 | 2493.0 |
|      | 906 LSR        | 29.5         | 53.9   | 52.5   | 42.4   | 63.9   | 45.5   |
|      | 907 Pr>F(Trts) | 0.0006       | 0.0114 | 0.0847 | 0.0033 | 0.0810 | 0.0697 |
|      | 908 R_square   | 69.3         | 55.3   | 46.5   | 71.0   | 42.3   | 46.5   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Brome D 1998  
 Expt. 9805  
 Seeded 1998

| 2000 (kg/ha) |                |        |        |        |        |        |
|--------------|----------------|--------|--------|--------|--------|--------|
| Code         | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 2001         | BAYLOR         | 4946   | 2615   | 7562   | 9563   | 17125  |
| 2002         | SARATOGA       | 5557   | 2586   | 8143   | 10713  | 18856  |
| 2039         | BRAVO          | 5333   | 2412   | 7745   | 9912   | 17657  |
| 2051         | RADISSON       | 5759   | 2337   | 8097   | 9441   | 17538  |
| 2054         | PADDOCK        | 6530   | 2209   | 8739   | 10473  | 19212  |
| 2055         | COTTONWOOD     | 5604   | 2300   | 7904   | 9100   | 17004  |
| 2056         | LEIF           | 5003   | 2232   | 7234   | 9584   | 16818  |
| 2057         | FLEET          | 6632   | 2013   | 8646   | 10990  | 19635  |
| 2058         | BW7            | 3393   | 1658   | 5051   | 4986   | 10037  |
|              | 900 Mean       | 5418   | 2262   | 7680   | 9418   | 17098  |
|              | 901 CV         | 7.9    | 9.9    | 5.9    | 7.2    | 4.4    |
|              | 905 MCV        | 9.5    | 12.0   | 7.1    | 8.7    | 5.3    |
|              | 902 LSD        | 516.8  | 270.6  | 547.4  | 820.7  | 907.7  |
|              | 906 LSR        | 16.0   | 28.2   | 14.8   | 13.7   | 9.5    |
|              | 907 Pr>F(Trts) | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
|              | 908 R_square   | 89.7   | 71.1   | 90.9   | 91.2   | 95.1   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Thunder Bay  
 Bromegrass D 1999  
 Expt. 7290  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |        |
|------|----------------|--------------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Cut 3  | Tot00  |
| 2001 | BAYLOR         | 3390         | 967    | 628    | 4985   |
| 2002 | SARATOGA       | 4402         | 1129   | 531    | 6062   |
| 2039 | BRAVO          | 4310         | 1111   | 571    | 5992   |
| 2051 | RADISSON       | 4052         | 905    | 721    | 5678   |
| 2054 | PADDOCK        | 5240         | 1539   | 1361   | 8140   |
| 2057 | FLEET          | 5116         | 1465   | 1277   | 7859   |
| 2058 | BW7            | 2209         | 593    | 424    | 3226   |
|      | 900 Mean       | 4103         | 1101   | 788    | 5992   |
|      | 901 CV         | 9.8          | 10.7   | 8.0    | 6.9    |
|      | 905 MCV        | 12.0         | 13.1   | 9.8    | 8.5    |
|      | 902 LSD        | 492.6        | 144.6  | 77.4   | 510.0  |
|      | 906 LSR        | 16.3         | 15.3   | 8.3    | 10.4   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0000 | 0.0000 | 0.0000 |
|      | 908 R_square   | 90.3         | 91.3   | 98.0   | 95.6   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Brome D 99  
 Expt. 9908  
 Seeded 1999

| 2000 (kg/ha)                      |          |        |        |        |
|-----------------------------------|----------|--------|--------|--------|
| Code                              | Cultivar | Cut 1  | Cut 2  | Tot00  |
| 2001                              | BAYLOR   | 7218   | 3776   | 10994  |
| 2002                              | SARATOGA | 7449   | 3926   | 11375  |
| 2039                              | BRAVO    | 7352   | 4299   | 11651  |
| 2051                              | RADISSON | 8771   | 3920   | 12690  |
| 2054                              | PADDOCK  | 7939   | 3130   | 11069  |
| 2057                              | FLEET    | 7778   | 2531   | 10309  |
| 900 Mean                          |          | 6644   | 3083   | 9727   |
| 901 CV                            |          | 9.1    | 27.1   | 8.9    |
| 905 MCV                           |          | 11.1   | 33.2   | 10.9   |
| 902 LSD                           |          | 740.2  | 1023.7 | 1056.9 |
| 906 LSR                           |          | 8.4    | 23.8   | 8.3    |
| 907 Pr>F(Trts)                    |          | 0.0000 | 0.0000 | 0.0000 |
| 908 R_square                      |          | 97.0   | 80.8   | 97.2   |
| RCBD arrangement, 4 blocks {1234} |          |        |        |        |

ONTARIO  
 Kemptville  
 BROMEGRASS REG D 99  
 Seeded 1999

|            |          | 2000 (kg/ha) |       |       |        |
|------------|----------|--------------|-------|-------|--------|
| Code       | Cultivar | Cut 1        | Cut 2 | Cut 3 | Total  |
| 2001       | BAYLOR   | 4963         | 2689  | 2921  | 10572  |
| 2002       | SARATOGA | 5466         | 3080  | 3337  | 11883  |
| 2039       | BRAVO    | 4273         | 2795  | 2721  | 9789   |
| 2051       | RADISSON | 5546         | 2488  | 2747  | 10782  |
| 2054       | PADDOCK  | 4543         | 2889  | 4190  | 11622  |
| 2057       | FLEET    | 4223         | 3205  | 4272  | 11700  |
| 2058       | BW7      | 1479         | 1341  | 2444  | 5264   |
| Harv means |          | 4356         | 2641  | 3233  | 10230  |
| CV %       |          | 16.9         | 18.9  | 10.7  | 10.5   |
| LSD (5%)   |          | 904.4        | 612.4 | 423.0 | 1314.8 |

KAPUSKASING 2000  
 EXP: 6155  
 1995 OFCC EARLY ORCHARD GRASS

YIELD (kg DM/ha)

| CULTIVARS   | Code | C-1  | C-2  | TOTAL |
|-------------|------|------|------|-------|
| OKAY        | 3079 | 2462 | 1690 | 4152  |
| ARTIC       | 3091 | 2651 | 1440 | 4091  |
| DS-7        | 3072 | 2315 | 1719 | 4034  |
| KAY         | 3003 | 2535 | 1447 | 3982  |
| BENCHMARK   | 3075 | 2055 | 1788 | 3843  |
| AC_SPLENDOR | 3078 | 2135 | 1706 | 3841  |
| RANCHO      | 3069 | 2243 | 1515 | 3758  |
| RAPIDO      | 3066 | 1906 | 1648 | 3554  |
| JUNO        | 3001 | 2062 | 1415 | 3477  |
| MOBITE      | 3076 | 1820 | 1611 | 3431  |
| JAY         | 3074 | 1907 | 1488 | 3395  |
| NAPIER      | 3009 | 1941 | 1294 | 3235  |
| MEAN        |      | 2169 | 1563 | 3733  |
| C.V. %      |      | 14.9 | 14.9 | 10.5  |
| F           |      | *    | ns   | *     |
| L.S.D.5%    |      | 467  | 334  | 564   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/19/2000 08/11/2000

ONTARIO  
 Elora  
 Orchard grass Registration  
 Expt. 2746  
 Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Cut 3  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 3001           | JUNO         | 6164   | 1367   | 1664   | 9195   | 10732  | 10327  | 30254  |
| 3003           | KAY          | 5731   | 1874   | 1853   | 9458   | 11347  | 13479  | 34285  |
| 3009           | NAPIER       | 5903   | 1621   | 1701   | 9226   | 11286  | 10466  | 30978  |
| 3066           | RAPIDO       | 5594   | 1838   | 1605   | 9037   | 12272  | 11511  | 32819  |
| 3072           | DS7          | 5408   | 1878   | 1844   | 9131   | 12158  | 11235  | 32523  |
| 3074           | JAY          | 4602   | 2338   | 1848   | 8788   | 9851   | 9868   | 28507  |
| 3075           | BENCHMARK    | 6107   | 1936   | 2074   | 10117  | 13313  | 11612  | 35042  |
| 3078           | AC_SPLENDOR  | 4985   | 2047   | 1702   | 8734   | 10389  | 10109  | 29233  |
| 3079           | OKAY         | 5693   | 1894   | 1682   | 9268   | 12027  | 11227  | 32522  |
| 3093           | BAR_H_DGL_05 | 5943   | 1606   | 1809   | 9357   | 12943  | 10451  | 32751  |
| 3094           | OG9201       | 6040   | 1920   | 1853   | 9813   | 12098  | 9539   | 31450  |
| 3095           | PS9001       | 6169   | 1881   | 1949   | 9999   | 12510  | 11650  | 34159  |
| 3096           | OG9401       | 4476   | 2382   | 1779   | 8636   | 8958   | 8486   | 26079  |
| 900 Mean       |              | 5601   | 1891   | 1797   | 9289   | 11530  | 10766  | 31585  |
| 901 CV         |              | 6.7    | 9.7    | 7.6    | 5.7    | 6.4    | 8.0    | 5.8    |
| 905 MCV        |              | 8.0    | 11.7   | 9.2    | 6.8    | 7.6    | 9.6    | 7.0    |
| 902 LSD        |              | 447.6  | 220.9  | 164.7  | 632.2  | 879.7  | 1036.0 | 2210.7 |
| 906 LSR        |              | 26.4   | 21.8   | 35.1   | 42.7   | 20.2   | 20.7   | 24.7   |
| 907 Pr>F(Trts) |              | 0.0000 | 0.0000 | 0.0018 | 0.0043 | 0.0000 | 0.0000 | 0.0000 |
| 908 R_square   |              | 78.2   | 75.3   | 60.1   | 59.5   | 80.3   | 74.5   | 73.9   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Orchardgrass 97  
 Expt. 9705  
 Seeded 1997

| 2000 (kg/ha)   |              |        |        |        |        |        |        |
|----------------|--------------|--------|--------|--------|--------|--------|--------|
| Code           | Cultivar     | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 3001           | JUNO         | 3072   | 2390   | 5462   | 12333  | 9123   | 26918  |
| 3003           | KAY          | 3943   | 2106   | 6050   | 13789  | 10703  | 30542  |
| 3009           | NAPIER       | 3412   | 2365   | 5777   | 13437  | 10680  | 29894  |
| 3066           | RAPIDO       | 3159   | 2362   | 5521   | 11752  | 9293   | 26566  |
| 3072           | DS7          | 3577   | 2751   | 6328   | 13694  | 9792   | 29814  |
| 3074           | JAY          | 4088   | 2496   | 6584   | 12437  | 10309  | 29331  |
| 3075           | BENCHMARK    | 2629   | 3314   | 5943   | 12069  | 9185   | 27196  |
| 3078           | AC_SPLENDOR  | 4236   | 2379   | 6615   | 13853  | 11307  | 31774  |
| 3079           | OKAY         | 3921   | 2285   | 6206   | 14662  | 10590  | 31458  |
| 3093           | BAR_H_DGL_05 | 2551   | 2462   | 5012   | 10355  | 9105   | 24472  |
| 3094           | OG9201       | 2914   | 2428   | 5341   | 13096  | 10082  | 28518  |
| 3095           | PS9001       | 2719   | 2287   | 5006   | 12702  | 9921   | 27629  |
| 3096           | OG9401       | 4258   | 2208   | 6466   | 14450  | 10251  | 31168  |
| 900 Mean       |              | 3421   | 2449   | 5870   | 12971  | 10026  | 28868  |
| 901 CV         |              | 12.2   | 8.5    | 8.3    | 10.5   | 9.2    | 7.1    |
| 905 MCV        |              | 17.0   | 11.9   | 11.7   | 14.6   | 12.9   | 9.9    |
| 902 LSD        |              | 581.8  | 292.0  | 684.4  | 1896.9 | 1289.4 | 2857.8 |
| 906 LSR        |              | 34.1   | 24.2   | 42.5   | 44.0   | 58.6   | 39.1   |
| 907 Pr>F(Trts) |              | 0.0000 | 0.0001 | 0.0019 | 0.0378 | 0.1181 | 0.0046 |
| 908 R_square   |              | 77.2   | 77.1   | 67.3   | 56.6   | 48.6   | 65.0   |

RCBD arrangement, 3 blocks {234}



ONTARIO  
 New Liskeard  
 Early Orchard 98  
 Expt. 9806  
 Seeded 1998

|      |                | 2000 (kg/ha) |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 3001 | JUNO           | 5208         | 2989   | 8197   | 11531  | 19728  |
| 3009 | NAPIER         | 5684         | 3348   | 9032   | 10686  | 19718  |
| 3066 | RAPIDO         | 5119         | 3665   | 8784   | 11449  | 20233  |
| 3072 | DS7            | 5866         | 3527   | 9393   | 10493  | 19887  |
| 3075 | BENCHMARK      | 4578         | 2983   | 7562   | 10328  | 17889  |
| 3093 | BAR_H_DGL_05   | 4395         | 3326   | 7721   | 9432   | 17153  |
| 3094 | OG9201         | 5339         | 3461   | 8800   | 12013  | 20813  |
| 3097 | OG9501         | 4861         | 3100   | 7962   | 10180  | 18141  |
| 3101 | PROFILE        | 4594         | 3154   | 7748   | 10089  | 17838  |
|      | 900 Mean       | 5072         | 3284   | 8355   | 10689  | 19044  |
|      | 901 CV         | 7.5          | 7.9    | 6.5    | 8.4    | 5.4    |
|      | 905 MCV        | 9.1          | 9.6    | 7.9    | 10.2   | 6.6    |
|      | 902 LSD        | 459.2        | 313.9  | 656.3  | 1087.6 | 1251.3 |
|      | 906 LSR        | 31.2         | 46.1   | 35.8   | 42.1   | 34.2   |
|      | 907 Pr>F(Trts) | 0.0001       | 0.0083 | 0.0003 | 0.0103 | 0.0002 |
|      | 908 R_square   | 75.6         | 59.4   | 72.5   | 61.7   | 70.3   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Late Orchard 98  
 Expt. 9807  
 Seeded 1998

|      |                | 2000 (kg/ha) |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 3003 | KAY            | 6414         | 3345   | 9759   | 11803  | 21562  |
| 3074 | JAY            | 6782         | 3105   | 9887   | 11022  | 20909  |
| 3078 | AC_SPLENDOR    | 6525         | 3279   | 9804   | 10630  | 20434  |
| 3079 | OKAY           | 6002         | 3075   | 9076   | 11404  | 20481  |
| 3086 | HAYMATE        | 4890         | 3192   | 8083   | 11262  | 19345  |
| 3096 | OG9401         | 6540         | 3545   | 10085  | 11801  | 21885  |
| 3098 | OG9502         | 5583         | 3306   | 8889   | 12554  | 21443  |
| 3100 | WARRIOR        | 4160         | 3209   | 7369   | 11936  | 19305  |
| 3103 | OG9204         | 5707         | 3057   | 8763   | 11901  | 20664  |
|      | 900 Mean       | 5845         | 3235   | 9079   | 11590  | 20670  |
|      | 901 CV         | 6.2          | 8.8    | 5.7    | 7.5    | 5.1    |
|      | 905 MCV        | 8.9          | 12.6   | 8.1    | 10.7   | 7.3    |
|      | 902 LSD        | 520.1        | 406.0  | 738.1  | 1238.2 | 1506.1 |
|      | 906 LSR        | 19.8         | 83.1   | 27.2   | 64.4   | 58.4   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.5479 | 0.0001 | 0.3095 | 0.0818 |
|      | 908 R_square   | 90.2         | 43.2   | 84.2   | 48.7   | 57.4   |

RCBD arrangement, 3 blocks {123}

KAPUSKASING 2000  
 EXP: 6156  
 1998 OFCC EARLY ORCHARD GRASS

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| OG9201    | 3094 | 3162 | 2195 | 5357  |
| DS7       | 3072 | 2882 | 2192 | 5074  |
| RAPIDO    | 3066 | 2500 | 2031 | 4531  |
| BENCHMARK | 3075 | 2319 | 2000 | 4319  |
| NAPIER    | 3009 | 2583 | 1611 | 4194  |
| BARHDGL05 | 3093 | 2745 | 1435 | 4180  |
| OG9501    | 3097 | 2054 | 2034 | 4088  |
| PROFILE   | 3101 | 2279 | 1793 | 4072  |
| JUNO      | 3001 | 2178 | 1428 | 3606  |
| MEAN      |      | 2522 | 1858 | 4380  |
| C.V. %    |      | 12.8 | 14.1 | 10.5  |
| F         |      | **   | **   | **    |
| L.S.D.5%  |      | 474  | 381  | 671   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/19/2000 08/11/2000

KAPUSKASING 2000  
 EXP: 6157  
 1998 OFCC LATE ORCHARD GRASS

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| SPLENDOR  | 3078 | 2939 | 1506 | 4445  |
| JAY       | 3074 | 2490 | 1721 | 4211  |
| OG9502    | 3098 | 2827 | 1323 | 4150  |
| OKAY      | 3079 | 2871 | 1449 | 4320  |
| KAY       | 3003 | 2804 | 1330 | 4134  |
| OG9401    | 3096 | 2132 | 1965 | 4097  |
| HAYMATE   | 3086 | 2157 | 1132 | 3289  |
| OG9204    | 3103 | 1921 | 1397 | 3318  |
| WARRIOR   | 3100 | 1750 | 1171 | 2921  |
| MEAN      |      | 2432 | 1444 | 3876  |
| C.V. %    |      | 17.9 | 12.8 | 11.4  |
| F         |      | *    | **   | **    |
| L.S.D.5%  |      | 752  | 319  | 763   |

RCBD arrangement, 3 blocks {123}

HARVEST DATES : 06/19/2000 08/11/2000

ONTARIO  
 Elora  
 Orchardgrass Registration  
 Expt. 2771  
 Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |        |
|----------------|-------------|--------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Cut 3  | Tot00  |
| 3003           | KAY         | 5529   | 2555   | 2333   | 10417  |
| 3075           | BENCHMARK   | 5160   | 2865   | 2217   | 10242  |
| 3078           | AC_SPLENDOR | 4540   | 2465   | 1868   | 8873   |
| 3086           | HAYMATE     | 4623   | 2855   | 2282   | 9761   |
| 3097           | OG9501      | 5384   | 2701   | 2151   | 10236  |
| 3098           | OG9502      | 5345   | 2862   | 2257   | 10464  |
| 3100           | WARRIOR     | 5096   | 2764   | 2139   | 9999   |
| 3101           | PROFILE     | 5649   | 2839   | 2346   | 10834  |
| 3103           | OG9204      | 5256   | 2565   | 2009   | 9831   |
| 3104           | HAKA        | 5479   | 2217   | 1937   | 9633   |
| 900 Mean       |             | 5206   | 2669   | 2154   | 10029  |
| 901 CV         |             | 5.7    | 6.6    | 11.8   | 5.8    |
| 905 MCV        |             | 6.9    | 7.9    | 14.2   | 7.0    |
| 902 LSD        |             | 358.5  | 212.0  | 304.9  | 697.9  |
| 906 LSR        |             | 32.3   | 32.7   | 63.8   | 35.6   |
| 907 Pr>F(Trts) |             | 0.0001 | 0.0001 | 0.1293 | 0.0051 |
| 908 R_square   |             | 71.5   | 67.8   | 38.3   | 58.7   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Thunder Bay  
 Early Orchardgrass 1999  
 Expt. 7289  
 Seeded 1999

| 2000 (kg/ha)                      |                | Cut 1  | Cut 2  | Tot00  |
|-----------------------------------|----------------|--------|--------|--------|
| Code                              | Cultivar       |        |        |        |
| 3075                              | BENCHMARK      | 4224   | 1398   | 5622   |
| 3097                              | OG9501         | 4751   | 1401   | 6152   |
| 3104                              | HAKA           | 8151   | 1029   | 9180   |
|                                   | 900 Mean       | 5709   | 1276   | 6985   |
|                                   | 901 CV         | 8.5    | 11.6   | 7.1    |
|                                   | 905 MCV        | 11.7   | 16.0   | 9.8    |
|                                   | 902 LSD        | 667.6  | 203.5  | 683.9  |
|                                   | 906 LSR        | 17.0   | 54.7   | 19.2   |
|                                   | 907 Pr>F(Trts) | 0.0001 | 0.0191 | 0.0002 |
|                                   | 908 R_square   | 96.4   | 81.5   | 95.5   |
| RCBD arrangement, 4 blocks {1234} |                |        |        |        |

ONTARIO  
 Thunder Bay  
 Late Orchardgrass 1999  
 Expt. 7288  
 Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |
|----------------|-------------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Tot00  |
| 3003           | KAY         | 5572   | 1972   | 7544   |
| 3078           | AC_SPLENDOR | 6224   | 1825   | 8049   |
| 3086           | HAYMATE     | 3982   | 2085   | 6066   |
| 3098           | OG9502      | 4588   | 2235   | 6823   |
| 3100           | WARRIOR     | 2747   | 2013   | 4760   |
| 3101           | PROFILE     | 2868   | 1844   | 4711   |
| 3103           | OG9204      | 4380   | 2103   | 6483   |
| 900 Mean       |             | 4337   | 2011   | 6348   |
| 901 CV         |             | 8.1    | 6.7    | 5.9    |
| 905 MCV        |             | 10.0   | 8.3    | 7.2    |
| 902 LSD        |             | 431.8  | 166.3  | 456.9  |
| 906 LSR        |             | 12.4   | 40.6   | 13.7   |
| 907 Pr>F(Trts) |             | 0.0000 | 0.0052 | 0.0000 |
| 908 R_square   |             | 94.9   | 67.1   | 94.3   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Orchard 99  
 Expt. 9909  
 Seeded 1999

| 2000 (kg/ha)   |             |        |        |        |
|----------------|-------------|--------|--------|--------|
| Code           | Cultivar    | Cut 1  | Cut 2  | Tot00  |
| 3003           | KAY         | 6006   | 3992   | 9998   |
| 3075           | BENCHMARK   | 5293   | 4722   | 10015  |
| 3078           | AC_SPLENDOR | 6214   | 3839   | 10053  |
| 3086           | HAYMATE     | 5492   | 4231   | 9723   |
| 3097           | OG9501      | 4940   | 4388   | 9329   |
| 3098           | OG9502      | 6111   | 4188   | 10299  |
| 3100           | WARRIOR     | 4709   | 4238   | 8947   |
| 3101           | PROFILE     | 4893   | 4261   | 9154   |
| 3103           | OG9204      | 5237   | 4192   | 9429   |
| 3104           | HAKA        | 6430   | 3428   | 9858   |
| 900 Mean       |             | 5533   | 4148   | 9681   |
| 901 CV         |             | 10.7   | 12.3   | 9.4    |
| 905 MCV        |             | 12.9   | 14.8   | 11.3   |
| 902 LSD        |             | 715.3  | 612.0  | 1097.7 |
| 906 LSR        |             | 41.6   | 47.3   | 81.2   |
| 907 Pr>F(Trts) |             | 0.0016 | 0.1106 | 0.5033 |
| 908 R_square   |             | 59.7   | 57.0   | 35.9   |

RCBD arrangement, 4 blocks {1234}



KAPUSKASING 2000  
 EXP: 6158  
 1999 OFCC ORCHARD GRASS

YIELD (kg DM/ha)

| Cultivar    | Code | C-1  | C-2  | TOTAL |
|-------------|------|------|------|-------|
| OG9502      | 3098 | 4490 | 4455 | 8945  |
| HAKA        | 3104 | 4845 | 3109 | 7954  |
| OG9204      | 3103 | 4289 | 3608 | 7897  |
| WARRIOR     | 3100 | 3909 | 3810 | 7719  |
| HAYMATE     | 3086 | 4248 | 3526 | 7774  |
| OG9501      | 3097 | 3922 | 3780 | 7702  |
| PROFILE     | 3101 | 4007 | 3877 | 7884  |
| KAY         | 3003 | 4479 | 3152 | 7631  |
| BENCHMARK   | 3075 | 3644 | 3733 | 7377  |
| AC_SPLENDOR | 3078 | 3909 | 3214 | 7123  |
| MEAN        |      | 4174 | 3626 | 7800  |
| C.V. %      |      | 11.6 | 7.8  | 7.4   |
| F           |      | ns   | **   | ns    |
| L.S.D.5%    |      | 833  | 486  | 990   |

RCBD arrangement, 3 blocks {234}

HARVEST DATES : 06/19/2000 08/11/2000

ONTARIO  
 Thunder Bay  
 Reed Canarygrass 95  
 Expt. 7255  
 Seeded 1995

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 5011 | VANTAGE        | 5756         | 1475   | 7231   | 6279   | 1549   | 15059  |
| 5013 | PALATON        | 5860         | 1425   | 7285   | 5724   | 1343   | 14352  |
| 5016 | VENTURE        | 5556         | 1266   | 6822   | 5803   | 1286   | 13911  |
| 5018 | LARA           | 5216         | 1441   | 6657   | 5685   | 1266   | 13608  |
| 5019 | EMPHASIS       | 2799         | 701    | 3499   | 2936   | 681    | 7116   |
|      | 900 Mean       | 5037         | 1261   | 6299   | 5285   | 1225   | 12809  |
|      | 901 CV         | 5.6          | 24.3   | 6.1    | 6.7    | 14.6   | 4.5    |
|      | 905 MCV        | 7.1          | 30.7   | 7.7    | 8.5    | 18.3   | 5.7    |
|      | 902 LSD        | 356.3        | 386.9  | 482.9  | 447.7  | 224.7  | 726.8  |
|      | 906 LSR        | 11.6         | 50.0   | 12.8   | 13.4   | 25.9   | 9.2    |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0198 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
|      | 908 R_square   | 96.6         | 69.1   | 96.0   | 95.2   | 83.2   | 97.7   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6067  
 1995 OFCC REED CANARYGRASS TRIAL

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| VANTAGE   | 5011 | 2553 | 2087 | 4640  |
| LARA      | 5018 | 2169 | 1805 | 3974  |
| PALATON   | 5013 | 2121 | 1383 | 3504  |
| VENTURE   | 5016 | 2130 | 1329 | 3459  |
| MEAN      |      | 2243 | 1651 | 3894  |
| C.V. %    |      | 13.3 | 13.2 | 12.5  |
| F         |      | NS   | **   | *     |
| L.S.D.5%  |      | 476  | 350  | 776   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/22/2000 08/14/2000

ONTARIO  
 Thunder Bay  
 Reed Canarygrass 96  
 Expt. 7266  
 Seeded 1996

|      |                | 2000 (kg/ha) |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Tot00  | Tot99  | Tot98  | 3yrTot |
| 5011 | VANTAGE        | 6105         | 6105   | 6661   | 4203   | 16968  |
| 5013 | PALATON        | 5621         | 5621   | 6645   | 3858   | 16125  |
| 5016 | VENTURE        | 5817         | 5817   | 6956   | 4190   | 16962  |
| 5023 | ASRCG-96       | 6163         | 6163   | 7142   | 4346   | 17651  |
| 5024 | VASR8401       | 3948         | 3948   | 5923   | 1766   | 11638  |
|      | 900 Mean       | 5531         | 5531   | 6665   | 3673   | 15869  |
|      | 901 CV         | 5.1          | 5.1    | 6.9    | 7.2    | 4.9    |
|      | 905 MCV        | 6.5          | 6.5    | 8.7    | 9.1    | 6.2    |
|      | 902 LSD        | 357.3        | 357.3  | 578.1  | 334.9  | 978.8  |
|      | 906 LSR        | 16.1         | 16.1   | 47.4   | 13.0   | 16.3   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0000 | 0.0255 | 0.0000 | 0.0000 |
|      | 908 R_square   | 94.3         | 94.3   | 80.7   | 96.2   | 94.6   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
Thunder Bay  
Reed Canary grass 97  
Expt. 7276  
Seeded 1997

| 2000 (kg/ha) |                |        |        |        |        |        |        |
|--------------|----------------|--------|--------|--------|--------|--------|--------|
| Code         | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 5011         | VANTAGE        | 4581   | 1832   | 6413   | 7294   | 4538   | 18245  |
| 5013         | PALATON        | 4625   | 1699   | 6325   | 7663   | 4407   | 18395  |
| 5016         | VENTURE        | 4743   | 1736   | 6479   | 7088   | 4587   | 18155  |
| 5023         | ASRCG-96       | 4951   | 1706   | 6657   | 7756   | 4607   | 19021  |
| 5024         | VASR8401       | 2804   | 1175   | 3979   | 5525   | 1986   | 11490  |
|              | 900 Mean       | 4341   | 1630   | 5970   | 7065   | 4025   | 17061  |
|              | 901 CV         | 8.2    | 7.6    | 7.2    | 5.5    | 5.4    | 4.8    |
|              | 905 MCV        | 10.3   | 9.6    | 9.1    | 6.9    | 6.7    | 6.0    |
|              | 902 LSD        | 446.8  | 156.7  | 541.1  | 490.3  | 271.3  | 1027.2 |
|              | 906 LSR        | 20.8   | 23.8   | 20.2   | 22.0   | 10.4   | 13.6   |
|              | 907 Pr>F(Trts) | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
|              | 908 R_square   | 89.1   | 86.2   | 90.1   | 88.0   | 97.6   | 95.3   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Kemptville  
 Reed Canary grass  
 Seeded 1997

| Code                              | Cultivar | 2000 (kg/ha) |       |        |
|-----------------------------------|----------|--------------|-------|--------|
|                                   |          | Cut 1        | Cut 2 | Total  |
| 5011                              | VANTAGE  | 8627         | 1135  | 9761   |
| 5013                              | PALATON  | 9568         | 1146  | 10714  |
| 5016                              | VENTURE  | 8858         | 928   | 9786   |
| 5023                              | ASRCG-96 | 8719         | 889   | 9607   |
| 5024                              | VASR8401 | 5215         | 1324  | 6539   |
| Harvest means                     |          | 8197         | 1084  | 9282   |
| CV %                              |          | 13.4         | 18.1  | 12.5   |
| LSD (5%)                          |          | 1387.2       | 247.0 | 1462.2 |
| RCBD arrangement, 4 blocks {1234} |          |              |       |        |

ONTARIO  
 New Liskeard  
 Reed Canary Test 99  
 Expt. 9913  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 5011 | VANTAGE        | 6310         | 3915   | 10225  |
| 5013 | PALATON        | 6468         | 3799   | 10267  |
| 5016 | VENTURE        | 6567         | 3800   | 10367  |
| 5027 | CHIEFTON       | 6234         | 3507   | 9741   |
|      | 900 Mean       | 6395         | 3755   | 10150  |
|      | 901 CV         | 13.8         | 12.0   | 11.9   |
|      | 905 MCV        | 17.9         | 15.6   | 15.4   |
|      | 902 LSD        | 1145.0       | 584.5  | 1561.6 |
|      | 906 LSR        | 343.7        | 143.4  | 249.5  |
|      | 907 Pr>F(Trts) | 0.9442       | 0.6360 | 0.8826 |
|      | 908 R_square   | 19.7         | 48.4   | 32.3   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6070  
 1999 OFCC REED CANARY

YIELD (kg DM/ha)

| CULTIVARS    | Code | C-1  | C-2  | TOTAL |
|--------------|------|------|------|-------|
| VANTAGE      | 5011 | 5865 | 4841 | 10706 |
| PALATON      | 5013 | 6137 | 4449 | 10586 |
| VENTURE      | 5016 | 5650 | 4502 | 10152 |
| CHIEFTON     | 5027 | 5983 | 4391 | 10375 |
| MEAN/MOYENNE |      | 5909 | 4546 | 10455 |
| C.V. %       |      | 8.9  | 8.9  | 8.6   |
| F            |      | ns   | ns   | ns    |
| L.S.D.5%     |      | 1049 | 807  | 1791  |

RCBD arrangement, 3 blocks {234}

HARVEST DATES : 06/22/2000 08/18/2000



ONTARIO  
 New Liskeard  
 Tall Fescue  
 Expt. 9608  
 Seeded 1996

| 2000 (kg/ha) |                |        |        |        |        |        |        |        |
|--------------|----------------|--------|--------|--------|--------|--------|--------|--------|
| Code         | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | Tot97  | 4yrTot |
| 5025         | FUEGO          | 1648   | 1958   | 3606   | 5364   | 12697  | 7996   | 29664  |
| 5519         | FESTORINA      | 2842   | 3117   | 5959   | 9821   | 12365  | 10432  | 38578  |
| 5523         | COURTENAY      | 3792   | 3929   | 7722   | 11297  | 15325  | 10792  | 45135  |
| 5526         | KOKANEE        | 3207   | 4723   | 7930   | 10792  | 12973  | 11453  | 43148  |
| 5527         | MONTEBELLO     | 3344   | 3894   | 7238   | 11002  | 13208  | 11992  | 43440  |
|              | 900 Mean       | 2967   | 3524   | 6491   | 9655   | 13314  | 10533  | 39993  |
|              | 901 CV         | 11.5   | 10.9   | 6.8    | 8.2    | 7.8    | 12.8   | 4.6    |
|              | 905 MCV        | 14.5   | 13.7   | 8.5    | 10.3   | 9.8    | 16.2   | 5.7    |
|              | 902 LSD        | 431.6  | 482.8  | 552.4  | 997.4  | 1307.3 | 1701.5 | 2295.8 |
|              | 906 LSR        | 20.1   | 17.5   | 12.8   | 16.8   | 44.2   | 42.6   | 14.8   |
|              | 907 Pr>F(Trts) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0128 | 0.0117 | 0.0000 |
|              | 908 R_square   | 92.7   | 91.2   | 96.1   | 93.0   | 65.3   | 68.8   | 94.4   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Elora  
 Tall Fescue Registration  
 Expt. 2748  
 Seeded 1997

|                                   |                | 2000 (kg/ha) |        |        |        |        |        |
|-----------------------------------|----------------|--------------|--------|--------|--------|--------|--------|
| Code                              | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 5025                              | FUEGO          | 5742         | 3417   | 9159   | 11064  | 12280  | 32503  |
| 5026                              | TF8805         | 6675         | 3366   | 10042  | 12457  | 13162  | 35661  |
| 5519                              | FESTORINA      | 6432         | 3617   | 10048  | 12279  | 13555  | 35883  |
| 5523                              | COURTENAY      | 6005         | 4058   | 10062  | 11238  | 13898  | 35198  |
| 5526                              | KOKANEE        | 5353         | 5100   | 10453  | 11482  | 13900  | 35835  |
| 5527                              | MONTEBELLO     | 5255         | 3919   | 9175   | 11204  | 13933  | 34312  |
|                                   | 900 Mean       | 5910         | 3913   | 9823   | 11621  | 13455  | 34899  |
|                                   | 901 CV         | 6.9          | 6.9    | 5.9    | 7.5    | 7.9    | 4.8    |
|                                   | 905 MCV        | 8.5          | 8.6    | 7.3    | 9.4    | 9.8    | 5.9    |
|                                   | 902 LSD        | 503.5        | 335.8  | 720.3  | 1087.0 | 1315.4 | 2070.1 |
|                                   | 906 LSR        | 35.5         | 19.4   | 55.7   | 78.0   | 79.5   | 61.2   |
|                                   | 907 Pr>F(Trts) | 0.0009       | 0.0000 | 0.0314 | 0.1620 | 0.2502 | 0.0801 |
|                                   | 908 R_square   | 77.9         | 88.6   | 64.0   | 66.3   | 61.5   | 74.0   |
| RCBD arrangement, 4 blocks {1234} |                |              |        |        |        |        |        |

ONTARIO  
 Thunder Bay  
 Tall Fescue 97  
 Expt. 7277  
 Seeded 1997

| 2000 (kg/ha)                      |                |        |        |        |        |        |        |
|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|
| Code                              | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 5025                              | FUEGO          | 4985   | 902    | 5887   | 6585   | 6731   | 19203  |
| 5026                              | TF8805         | 5841   | 753    | 6594   | 7220   | 7825   | 21639  |
| 5519                              | FESTORINA      | 4985   | 763    | 5748   | 6443   | 7140   | 19330  |
| 5523                              | COURTENAY      | 5546   | 1383   | 6929   | 8135   | 7386   | 22451  |
| 5526                              | KOKANEE        | 5025   | 1422   | 6448   | 7415   | 7333   | 21195  |
| 5527                              | MONTEBELLO     | 4907   | 1192   | 6099   | 7238   | 7751   | 21088  |
|                                   | 900 Mean       | 5215   | 1069   | 6284   | 7173   | 7361   | 20818  |
|                                   | 901 CV         | 6.6    | 15.7   | 6.2    | 7.6    | 9.1    | 5.7    |
|                                   | 905 MCV        | 8.2    | 19.4   | 7.7    | 9.4    | 11.3   | 7.1    |
|                                   | 902 LSD        | 426.8  | 207.9  | 484.4  | 675.2  | 834.4  | 1473.3 |
|                                   | 906 LSR        | 45.7   | 31.1   | 41.0   | 39.9   | 76.3   | 45.4   |
|                                   | 907 Pr>F(Trts) | 0.0071 | 0.0001 | 0.0053 | 0.0067 | 0.2675 | 0.0086 |
|                                   | 908 R_square   | 63.3   | 81.8   | 64.3   | 76.4   | 71.7   | 77.2   |
| RCBD arrangement, 4 blocks {1234} |                |        |        |        |        |        |        |

ONTARIO  
 New Liskeard  
 Tall Fescue 1997  
 Expt. 9708  
 Seeded 1997

| 2000 (kg/ha)                      |                |        |        |        |        |        |        |
|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|
| Code                              | Cultivar       | Cut 1  | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 5025                              | FUEGO          | 3448   | 2490   | 5938   | 11600  | 4582   | 22120  |
| 5026                              | TF8805         | 6112   | 2097   | 8209   | 14039  | 6384   | 28632  |
| 5519                              | FESTORINA      | 4627   | 2368   | 6995   | 11995  | 5314   | 24304  |
| 5523                              | COURTENAY      | 4883   | 3345   | 8228   | 13433  | 6044   | 27704  |
| 5526                              | KOKANEE        | 4770   | 3330   | 8100   | 13954  | 6525   | 28579  |
| 5527                              | MONTEBELLO     | 5029   | 2687   | 7716   | 13390  | 6699   | 27806  |
|                                   | 900 Mean       | 4811   | 2719   | 7531   | 13069  | 5925   | 26524  |
|                                   | 901 CV         | 9.4    | 14.8   | 8.7    | 7.3    | 6.5    | 5.8    |
|                                   | 905 MCV        | 11.6   | 18.4   | 10.7   | 9.1    | 8.0    | 7.2    |
|                                   | 902 LSD        | 558.7  | 499.6  | 808.0  | 1185.0 | 474.8  | 1899.0 |
|                                   | 906 LSR        | 21.0   | 40.0   | 35.3   | 48.6   | 22.4   | 29.2   |
|                                   | 907 Pr>F(Trts) | 0.0000 | 0.0021 | 0.0009 | 0.0096 | 0.0000 | 0.0001 |
|                                   | 908 R_square   | 83.6   | 69.9   | 74.5   | 73.9   | 86.1   | 82.7   |
| RCBD arrangement, 4 blocks {1234} |                |        |        |        |        |        |        |

ONTARIO  
 New Liskeard  
 Tall Fescue 98  
 Expt. 9808  
 Seeded 1998

| 2000 (kg/ha)                      |            |        |        |        |        |        |
|-----------------------------------|------------|--------|--------|--------|--------|--------|
| Code                              | Cultivar   | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 5025                              | FUEGO      | 4616   | 3506   | 8123   | 12234  | 20356  |
| 5026                              | TF8805     | 6209   | 3333   | 9542   | 12891  | 22433  |
| 5519                              | FESTORINA  | 5286   | 3575   | 8861   | 12142  | 21003  |
| 5523                              | COURTENAY  | 5786   | 3889   | 9675   | 12343  | 22019  |
| 5526                              | KOKANEE    | 5144   | 3994   | 9138   | 11639  | 20777  |
| 5527                              | MONTEBELLO | 5635   | 3449   | 9084   | 12452  | 21536  |
| 900 Mean                          |            | 5446   | 3624   | 9071   | 12284  | 21354  |
| 901 CV                            |            | 7.7    | 9.5    | 4.9    | 5.0    | 3.6    |
| 905 MCV                           |            | 9.6    | 11.8   | 6.0    | 6.2    | 4.5    |
| 902 LSD                           |            | 521.7  | 429.0  | 547.9  | 765.3  | 961.6  |
| 906 LSR                           |            | 32.8   | 64.9   | 35.3   | 61.2   | 46.3   |
| 907 Pr>F(Trts)                    |            | 0.0016 | 0.1006 | 0.0026 | 0.1815 | 0.0151 |
| 908 R_square                      |            | 78.5   | 62.8   | 83.8   | 67.3   | 74.2   |
| RCBD arrangement, 4 blocks {1234} |            |        |        |        |        |        |

KAPUSKASING 2000  
 EXP: 6214  
 1998 OFCC TALL FESCUE TRIAL

YIELD (kg DM/ha)

| CULTIVARS  | Code | C-1  | C-2  | TOTAL |
|------------|------|------|------|-------|
| COURTENAY  | 5523 | 3981 | 2981 | 6962  |
| KOKANEE    | 5526 | 3762 | 3090 | 6852  |
| TF 8805    | 5026 | 4120 | 2610 | 6730  |
| MONTEBELLO | 5527 | 3571 | 2676 | 6247  |
| FESTORINA  | 5519 | 3302 | 2579 | 5881  |
| FUEGO      | 5025 | 3341 | 2468 | 5809  |
| MEAN       |      | 3680 | 2734 | 6414  |
| C.V. %     |      | 9.1  | 9.3  | 7.7   |
| F          |      | *    | *    | *     |
| L.S.D.5%   |      | 506  | 385  | 746   |

RCBD arrangement , 4 blocks {1234}

HARVEST DATES : 06/22/2000 08/11/2000

ONTARIO  
 Elora  
 Tall Fescue Reg Trial A  
 Expt. 2772  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 5028 | TF9201         | 7688         | 3964   | 11652  |
| 5519 | FESTORINA      | 6992         | 3654   | 10647  |
| 5523 | COURTENAY      | 6163         | 4436   | 10599  |
| 5526 | KOKANEE        | 5567         | 4267   | 9834   |
| 5527 | MONTEBELLO     | 6400         | 3993   | 10393  |
|      | 900 Mean       | 6562         | 4063   | 10625  |
|      | 901 CV         | 3.4          | 6.8    | 4.2    |
|      | 905 MCV        | 4.3          | 8.6    | 5.3    |
|      | 902 LSD        | 280.8        | 349.0  | 562.0  |
|      | 906 LSR        | 13.2         | 44.6   | 30.9   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.0161 | 0.0016 |
|      | 908 R_square   | 94.7         | 67.3   | 76.5   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Thunder Bay  
 Tall Fescue 1999  
 Expt. 7287  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 5028 | TF9201         | 7302         | 2014   | 9316   |
| 5519 | FESTORINA      | 6608         | 1578   | 8186   |
| 5523 | COURTENAY      | 6051         | 2289   | 8340   |
| 5526 | KOKANEE        | 6631         | 2551   | 9182   |
| 5527 | MONTEBELLO     | 6767         | 2137   | 8904   |
|      | 900 Mean       | 6672         | 2114   | 8786   |
|      | 901 CV         | 8.9          | 11.1   | 7.8    |
|      | 905 MCV        | 11.2         | 14.0   | 9.8    |
|      | 902 LSD        | 745.7        | 295.9  | 863.8  |
|      | 906 LSR        | 59.6         | 30.4   | 76.5   |
|      | 907 Pr>F(Trts) | 0.1208       | 0.0012 | 0.1366 |
|      | 908 R_square   | 45.9         | 77.6   | 46.9   |

RCBD arrangement, 4 blocks {1234}



ONTARIO  
 New Liskeard  
 Tall Fescue 99  
 Expt. 9910  
 Seeded 1999

|                |            | 2000 (kg/ha) |        |        |
|----------------|------------|--------------|--------|--------|
| Code           | Cultivar   | Cut 1        | Cut 2  | Tot00  |
| 5028           | TF9201     | 5585         | 3206   | 8791   |
| 5519           | FESTORINA  | 5449         | 3038   | 8487   |
| 5523           | COURTENAY  | 5521         | 3279   | 8800   |
| 5526           | KOKANEE    | 5381         | 3580   | 8960   |
| 5527           | MONTEBELLO | 5683         | 3207   | 8891   |
| 900 Mean       |            | 5524         | 3262   | 8786   |
| 901 CV         |            | 9.1          | 12.7   | 7.6    |
| 905 MCV        |            | 11.4         | 16.0   | 9.5    |
| 902 LSD        |            | 630.4        | 522.6  | 838.9  |
| 906 LSR        |            | 208.1        | 96.5   | 177.3  |
| 907 Pr>F(Trts) |            | 0.9200       | 0.4871 | 0.8754 |
| 908 R_square   |            | 26.0         | 43.3   | 39.7   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6132  
 1993 O.F.C.C. TIMOTHY LICENSING TRIAL

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| PXTI-08   | 6131 | 3907 | 1092 | 4999  |
| TIMFOR    | 6040 | 3649 | 1030 | 4677  |
| PXTF-06   | 6127 | 3486 | 1376 | 4862  |
| PXTI-11   | 6132 | 3499 | 912  | 4411  |
| TM8601    | 6123 | 3456 | 1181 | 4637  |
| CLIMAX    | 6002 | 3265 | 1140 | 4405  |
| HT31      | 6124 | 3710 | 711  | 4421  |
| PXTI-04   | 6125 | 3652 | 944  | 4596  |
| SF8601    | 6129 | 3618 | 961  | 4579  |
| SF8605    | 6130 | 2908 | 1252 | 4160  |
| SF8307A   | 6128 | 3515 | 963  | 4478  |
| T_120     | 6121 | 3143 | 835  | 3978  |
| JONATAN   | 6133 | 3668 | 658  | 4326  |
| RVP03     | 6122 | 3195 | 934  | 4129  |
| PXTI-20   | 6126 | 2581 | 667  | 3248  |
| MEAN      |      | 3417 | 977  | 4394  |
| C.V. %    |      | 11.3 | 15.6 | 8.8   |
| F         |      | *    | **   | **    |
| L.S.D.5%  |      | 647  | 256  | 650   |

RCBD arrangement , 3 blocks {123}

HARVEST DATES : 06/28/2000 08/22/2000

FERTILIZATION : 85 kg/ha of N per cut, plus 55 N in the fall. P and K adequate.

ONTARIO  
 Thunder Bay  
 Early Timothy 95  
 Expt. 7253  
 Seeded 1995

|      |                | 2000 (kg/ha) |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Tot00  | Tot99  | Tot98  | 3yrTot |
| 6005 | CHAMP          | 6122         | 6122   | 3912   | 3471   | 13505  |
| 6009 | BASHO          | 6436         | 6436   | 4088   | 3515   | 14039  |
| 6030 | TORO           | 6414         | 6414   | 4056   | 3867   | 14337  |
| 6040 | TIMFOR         | 6181         | 6181   | 3813   | 3736   | 13731  |
| 6050 | RICHMOND       | 6520         | 6520   | 4319   | 3923   | 14762  |
| 6074 | GLENMORE       | 6202         | 6202   | 3307   | 2903   | 12412  |
| 6087 | NIKE           | 6288         | 6288   | 4066   | 3474   | 13828  |
| 6123 | COLT           | 6220         | 6220   | 4099   | 3598   | 13917  |
| 6128 | AC_REGAL       | 6402         | 6402   | 3711   | 3346   | 13459  |
| 6129 | SF8601         | 5902         | 5902   | 3621   | 3230   | 12753  |
| 6130 | SF8605         | 5612         | 5612   | 3369   | 3268   | 12250  |
| 6134 | TM_8901        | 6481         | 6481   | 4331   | 3789   | 14602  |
|      | 900 Mean       | 6232         | 6232   | 3891   | 3510   | 13633  |
|      | 901 CV         | 6.6          | 6.6    | 5.8    | 6.2    | 4.8    |
|      | 905 MCV        | 8.0          | 8.0    | 7.0    | 7.4    | 5.7    |
|      | 902 LSD        | 496.9        | 496.9  | 272.1  | 259.2  | 779.1  |
|      | 906 LSR        | 54.8         | 54.8   | 26.6   | 25.4   | 31.0   |
|      | 907 Pr>F(Trts) | 0.1406       | 0.1406 | 0.0000 | 0.0000 | 0.0000 |
|      | 908 R_square   | 52.6         | 52.6   | 77.0   | 79.7   | 73.6   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6136  
 1995 OFCC EARLY TIMOTHY TRIAL

YIELD (kg DM/ha)

| CULTIVARS    | Code | C-1  | C-2  | TOTAL |
|--------------|------|------|------|-------|
| TORO         | 6030 | 3942 | 2104 | 6046  |
| SF8601       | 6129 | 3782 | 2079 | 5861  |
| CHAMP        | 6005 | 3777 | 1944 | 5721  |
| SF8605       | 6130 | 3404 | 2239 | 5643  |
| RICHMOND     | 6050 | 3770 | 1623 | 5393  |
| NIKE         | 6087 | 3308 | 2076 | 5384  |
| TM_8901      | 6134 | 3383 | 1775 | 5158  |
| GLENMOR      | 6074 | 3642 | 1694 | 5336  |
| TIMFOR       | 6040 | 3364 | 1948 | 5312  |
| TM8601       | 6123 | 3427 | 1859 | 5286  |
| BASHO        | 6009 | 3368 | 1761 | 5129  |
| SF8307A      | 6128 | 3023 | 1819 | 4842  |
| MEAN/MOYENNE |      | 3521 | 1910 | 5432  |
| C.V. %       |      | 12.1 | 15.9 | 11.2  |
| F            |      | ns   | ns   | ns    |
| L.S.D.5%     |      | 613  | 440  | 878   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/23/2000 08/17/2000

FERTILIZATION : 85 kg/ha of N per cut, plus 55 N in the fall. P and K as needed.

ONTARIO  
Thunder Bay  
Early Timothy 96  
Expt. 7264  
Seeded 1996

|                |          | 2000 (kg/ha) |        |        |        |        |
|----------------|----------|--------------|--------|--------|--------|--------|
| Code           | Cultivar | Cut 1        | Tot00  | Tot99  | Tot98  | 3yrTot |
| 6005           | CHAMP    | 6275         | 6275   | 4000   | 3277   | 13552  |
| 6009           | BASHO    | 6537         | 6537   | 4523   | 3405   | 14466  |
| 6030           | TORO     | 6897         | 6897   | 4753   | 3531   | 15181  |
| 6040           | TIMFOR   | 7052         | 7052   | 4693   | 3529   | 15274  |
| 6050           | RICHMOND | 7181         | 7181   | 4975   | 3264   | 15420  |
| 6074           | GLENMORE | 6768         | 6768   | 3397   | 2947   | 13111  |
| 6087           | NIKE     | 6099         | 6099   | 4231   | 3461   | 13791  |
| 6123           | COLT     | 6506         | 6506   | 4465   | 3376   | 14348  |
| 6128           | AC_REGAL | 6232         | 6232   | 4217   | 3430   | 13880  |
| 6130           | SF8605   | 6605         | 6605   | 4386   | 3476   | 14467  |
| 6134           | TM_8901  | 6885         | 6885   | 4780   | 3187   | 14852  |
| 6137           | TITAN    | 6705         | 6705   | 4736   | 3382   | 14823  |
| 900 Mean       |          | 6645         | 6645   | 4430   | 3355   | 14430  |
| 901 CV         |          | 9.1          | 9.1    | 7.8    | 7.1    | 5.9    |
| 905 MCV        |          | 11.0         | 11.0   | 9.3    | 8.5    | 7.1    |
| 902 LSD        |          | 729.1        | 729.1  | 413.9  | 286.5  | 1028.5 |
| 906 LSR        |          | 67.4         | 67.4   | 26.2   | 49.0   | 44.5   |
| 907 Pr>F(Trts) |          | 0.3169       | 0.3169 | 0.0000 | 0.0679 | 0.0092 |
| 908 R_square   |          | 50.5         | 50.5   | 67.7   | 51.5   | 54.7   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6140  
 1996 OFCC EARLY TIMOTHY TRIAL

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| RICHMOND  | 6050 | 5036 | 1748 | 6784  |
| SF8307A   | 6128 | 4278 | 2285 | 6563  |
| TM8901    | 6134 | 4835 | 1689 | 6524  |
| NIKE      | 6087 | 4932 | 1537 | 6469  |
| TORO      | 6030 | 4514 | 1814 | 6328  |
| COLT      | 6123 | 4485 | 1778 | 6263  |
| LISCHKA   | 6137 | 4579 | 1581 | 6160  |
| TIMFOR    | 6040 | 4139 | 1927 | 6066  |
| BASHO     | 6009 | 4189 | 1823 | 6012  |
| GLENMOR   | 6074 | 4326 | 1785 | 6111  |
| SF8605    | 6130 | 4007 | 1738 | 5745  |
| CHAMP     | 6005 | 3936 | 1912 | 5848  |
| MEAN      |      | 4438 | 1801 | 6239  |
| C.V. %    |      | 7.2  | 18.8 | 8.5   |
| F         |      | **   | ns   | ns    |
| L.S.D.5%  |      | 460  | 490  | 762   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/23/2000 08/21/2000

ONTARIO

Elora

Early Timothy Registration

Expt. 2749

Seeded 1997

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 6005 | CHAMP          | 7302         | 2819   | 10121  | 10318  | 11408  | 31847  |
| 6009 | BASHO          | 8016         | 2794   | 10810  | 11473  | 11121  | 33403  |
| 6030 | TORO           | 8635         | 2572   | 11207  | 11191  | 10591  | 32989  |
| 6040 | TIMFOR         | 6646         | 2568   | 9215   | 9970   | 10024  | 29209  |
| 6050 | RICHMOND       | 8161         | 2578   | 10738  | 12014  | 11086  | 33838  |
| 6074 | GLENMORE       | 6333         | 2624   | 8957   | 8461   | 9359   | 26777  |
| 6087 | NIKE           | 7881         | 2226   | 10107  | 10016  | 10493  | 30616  |
| 6123 | COLT           | 7343         | 2633   | 9976   | 10825  | 11195  | 31996  |
| 6134 | TM_8901        | 8739         | 2477   | 11216  | 11183  | 11525  | 33924  |
| 6137 | TITAN          | 7107         | 2603   | 9709   | 10313  | 12080  | 32103  |
|      | 900 Mean       | 7616         | 2589   | 10206  | 10576  | 10888  | 31670  |
|      | 901 CV         | 6.6          | 17.0   | 7.9    | 7.1    | 5.6    | 5.9    |
|      | 905 MCV        | 7.9          | 20.5   | 9.5    | 8.6    | 6.8    | 7.1    |
|      | 902 LSD        | 601.5        | 530.0  | 973.5  | 908.3  | 740.3  | 2255.6 |
|      | 906 LSR        | 25.0         | 89.5   | 43.1   | 25.6   | 27.2   | 31.6   |
|      | 907 Pr>F(Trts) | 0.0000       | 0.8199 | 0.0036 | 0.0000 | 0.0001 | 0.0002 |
|      | 908 R_square   | 78.1         | 26.1   | 58.5   | 71.5   | 69.8   | 66.7   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6143  
 1997 OFCC EARLY TIMOTHY

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| RICHMOND  | 6050 | 4861 | 2342 | 7203  |
| TORO      | 6030 | 4800 | 2146 | 6946  |
| COLT      | 6123 | 4534 | 2263 | 6797  |
| LISCHKA   | 6137 | 4650 | 1942 | 6592  |
| CHAMP     | 6005 | 4477 | 2026 | 6503  |
| TM_8901   | 6134 | 4760 | 1712 | 6472  |
| NIKE      | 6087 | 4270 | 2144 | 6414  |
| BASHO     | 6009 | 4162 | 2074 | 6236  |
| TIMFOR    | 6040 | 4105 | 1785 | 5890  |
| GLENMOR   | 6074 | 4002 | 1842 | 5844  |
| MEAN      |      | 4462 | 2028 | 6490  |
| C.V. %    |      | 5.6  | 11.3 | 4.4   |
| F         |      | **   | **   | **    |
| L.S.D.5%  |      | 360  | 333  | 414   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/23/2000 08/21/2000



ONTARIO  
 Thunder Bay  
 Early Timothy  
 Expt. 7285  
 Seeded 1998

| 2000 (kg/ha)   |           |        |        |        |        |        |
|----------------|-----------|--------|--------|--------|--------|--------|
| Code           | Cultivar  | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 6005           | CHAMP     | 5889   | 861    | 6750   | 7188   | 13938  |
| 6009           | BASHO     | 6049   | 941    | 6991   | 7314   | 14304  |
| 6030           | TORO      | 5855   | 1154   | 7009   | 7371   | 14380  |
| 6040           | TIMFOR    | 5966   | 1213   | 7178   | 7436   | 14614  |
| 6050           | RICHMOND  | 6080   | 1024   | 7104   | 7508   | 14612  |
| 6074           | GLENMORE  | 5673   | 916    | 6590   | 6758   | 13347  |
| 6123           | COLT      | 5974   | 1285   | 7259   | 6987   | 14246  |
| 6137           | TITAN     | 6217   | 1166   | 7383   | 7190   | 14573  |
| 6140           | TM9501    | 5719   | 1212   | 6931   | 7782   | 14713  |
| 6141           | SW_TT9151 | 6004   | 926    | 6930   | 7266   | 14197  |
| 6142           | SW_TT2509 | 6421   | 827    | 7248   | 7121   | 14370  |
| 6143           | T-79      | 5950   | 900    | 6849   | 7111   | 13961  |
| 6144           | PS_45-214 | 5762   | 1033   | 6795   | 7373   | 14167  |
| 900 Mean       |           | 5966   | 1035   | 7001   | 7262   | 14263  |
| 901 CV         |           | 5.0    | 13.9   | 5.3    | 4.0    | 3.6    |
| 905 MCV        |           | 6.0    | 16.7   | 6.4    | 4.8    | 4.4    |
| 902 LSD        |           | 357.7  | 172.4  | 446.4  | 350.0  | 621.9  |
| 906 LSR        |           | 47.9   | 37.7   | 56.3   | 34.2   | 45.5   |
| 907 Pr>F(Trts) |           | 0.0731 | 0.0002 | 0.1682 | 0.0051 | 0.0525 |
| 908 R_square   |           | 54.0   | 62.7   | 48.3   | 72.2   | 66.1   |

RCBD arrangement, 4 blocks {1234}

ONTARIO

Elora

Timothy Reg Early

Expt. 2773

Seeded 1999

|                |           | 2000 (kg/ha) |        |        |
|----------------|-----------|--------------|--------|--------|
| Code           | Cultivar  | Cut 1        | Cut 2  | Tot00  |
| 6030           | TORO      | 7519         | 2769   | 10288  |
| 6050           | RICHMOND  | 7544         | 2911   | 10455  |
| 6140           | TM9501    | 7466         | 2647   | 10113  |
| 6141           | SW_TT9151 | 6569         | 2462   | 9031   |
| 6142           | SW_TT2509 | 6636         | 2444   | 9080   |
| 6143           | T-79      | 6545         | 2473   | 9018   |
| 6144           | PS_45-214 | 7510         | 2630   | 10140  |
| 6145           | NOV10     | 6593         | 2734   | 9327   |
| 6146           | LOTI_9501 | 6214         | 2132   | 8346   |
| 6147           | LOTI_9502 | 5904         | 2241   | 8145   |
| 6148           | CLASSIC   | 5546         | 2493   | 8039   |
| 6149           | GRINDSTAD | 6682         | 2721   | 9404   |
| 900 Mean       |           | 6727         | 2555   | 9282   |
| 901 CV         |           | 4.8          | 8.3    | 4.6    |
| 905 MCV        |           | 5.7          | 9.9    | 5.5    |
| 902 LSD        |           | 386.5        | 253.9  | 510.3  |
| 906 LSR        |           | 19.3         | 32.6   | 21.1   |
| 907 Pr>F(Trts) |           | 0.0000       | 0.0004 | 0.0000 |
| 908 R_square   |           | 85.3         | 75.1   | 85.0   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Early Timothy 99  
 Expt. 9911  
 Seeded 1999

| 2000 (kg/ha)   |           |        |        |        |
|----------------|-----------|--------|--------|--------|
| Code           | Cultivar  | Cut 1  | Cut 2  | Tot00  |
| 6030           | TORO      | 2890   | 3929   | 6819   |
| 6050           | RICHMOND  | 3008   | 3883   | 6892   |
| 6140           | TM9501    | 2833   | 3886   | 6719   |
| 6141           | SW_TT9151 | 2971   | 3031   | 6001   |
| 6142           | SW_TT2509 | 2963   | 2951   | 5915   |
| 6143           | T-79      | 2792   | 3174   | 5966   |
| 6144           | PS_45-214 | 2858   | 4274   | 7132   |
| 6145           | NOV10     | 2765   | 3131   | 5895   |
| 6146           | LOTI_9501 | 2894   | 2858   | 5752   |
| 6147           | LOTI_9502 | 2888   | 2815   | 5703   |
| 6148           | CLASSIC   | 2696   | 2897   | 5594   |
| 6149           | GRINDSTAD | 2888   | 3175   | 6062   |
| 900 Mean       |           | 2871   | 3334   | 6204   |
| 901 CV         |           | 5.0    | 14.8   | 8.3    |
| 905 MCV        |           | 6.1    | 17.8   | 9.9    |
| 902 LSD        |           | 173.9  | 592.7  | 614.9  |
| 906 LSR        |           | 55.7   | 40.6   | 40.0   |
| 907 Pr>F(Trts) |           | 0.1665 | 0.0006 | 0.0006 |
| 908 R_square   |           | 34.2   | 61.7   | 61.7   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Thunder Bay  
 Late Timothy 95  
 Expt. 7256  
 Seeded 1995

|                |           | 2000 (kg/ha) |        |        |        |        |
|----------------|-----------|--------------|--------|--------|--------|--------|
| Code           | Cultivar  | Cut 1        | Tot00  | Tot99  | Tot98  | 3yrTot |
| 6002           | CLIMAX    | 6698         | 6698   | 4236   | 3467   | 14401  |
| 6026           | ITASCA    | 7154         | 7154   | 4550   | 3592   | 15296  |
| 6066           | NORMAX    | 6893         | 6893   | 4252   | 3616   | 14761  |
| 6075           | WINMOR    | 6955         | 6955   | 3540   | 2977   | 13471  |
| 6081           | MARIPOSA  | 7392         | 7392   | 4401   | 3713   | 15507  |
| 6086           | ALEXANDER | 6960         | 6960   | 4148   | 3360   | 14468  |
| 6093           | 81009     | 7048         | 7048   | 3961   | 3260   | 14269  |
| 6095           | ARGUS     | 6776         | 6776   | 3874   | 3104   | 13754  |
| 6097           | CAROLA    | 6733         | 6733   | 4238   | 3254   | 14225  |
| 6116           | SAGUENAY  | 7112         | 7112   | 4294   | 3326   | 14732  |
| 6121           | T120      | 6830         | 6830   | 4148   | 3207   | 14186  |
| 6122           | RVP03     | 6616         | 6616   | 3945   | 3418   | 13978  |
| 6124           | HT_31     | 6671         | 6671   | 3517   | 3402   | 13590  |
| 6133           | JONATHAN  | 6606         | 6606   | 3717   | 2992   | 13315  |
| 6135           | TIA       | 6660         | 6660   | 3916   | 2798   | 13374  |
| 6136           | TM8902    | 7305         | 7305   | 4489   | 3668   | 15463  |
| 900 Mean       |           | 6901         | 6901   | 4077   | 3322   | 14299  |
| 901 CV         |           | 6.6          | 6.6    | 6.9    | 6.7    | 4.8    |
| 905 MCV        |           | 7.9          | 7.9    | 8.2    | 8.0    | 5.7    |
| 902 LSD        |           | 542.9        | 542.9  | 333.0  | 266.9  | 811.6  |
| 906 LSR        |           | 69.0         | 69.0   | 32.2   | 29.2   | 37.0   |
| 907 Pr>F(Trts) |           | 0.3288       | 0.3288 | 0.0000 | 0.0000 | 0.0001 |
| 908 R_square   |           | 43.5         | 43.5   | 70.7   | 66.4   | 60.9   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6137  
 1995 OFCC LATE TIMOTHY TRIAL

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| WINMOR    | 6075 | 4477 | 1411 | 5888  |
| NORMAX    | 6066 | 4260 | 1181 | 5441  |
| ITASCA    | 6026 | 4413 | 1018 | 5431  |
| ARGUS     | 6095 | 4492 | 866  | 5358  |
| CLIMAX    | 6002 | 4403 | 952  | 5355  |
| ALEXANDER | 6086 | 3945 | 1316 | 5261  |
| T120      | 6121 | 4073 | 1090 | 5163  |
| TIA       | 6135 | 4351 | 767  | 5118  |
| TM_8902   | 6136 | 4002 | 1003 | 5005  |
| CAROLA    | 6097 | 3838 | 1115 | 4953  |
| MARIPOSA  | 6081 | 4069 | 858  | 4927  |
| SV8505    | 6116 | 3879 | 1032 | 4911  |
| RVP03     | 6122 | 3612 | 1013 | 4625  |
| JONATHAN  | 6133 | 4063 | 376  | 4439  |
| 81009     | 6093 | 3607 | 822  | 4429  |
| HT-31     | 6124 | 3411 | 791  | 4202  |
| MEAN      |      | 4056 | 976  | 5032  |
| C.V. %    |      | 13.2 | 18.3 | 12.2  |
| F         |      | ns   | **   | *     |
| L.S.D.5%  |      | 761  | 254  | 874   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/28/2000 08/24/2000

KAPUSKASING 2000  
 EXP: 6141  
 1996 OFCC LATE TIMOTHY TRIAL

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| NORMAX    | 6066 | 3490 | 1767 | 5257  |
| SF8601    | 6129 | 3290 | 1814 | 5104  |
| TM8902    | 6136 | 3228 | 1711 | 4939  |
| MARIPOSA  | 6081 | 3493 | 1431 | 4924  |
| ARGUS     | 6095 | 3411 | 1433 | 4844  |
| SAQUENAY  | 6116 | 3395 | 1320 | 4715  |
| WINMOR    | 6075 | 3273 | 1423 | 4696  |
| CLIMAX    | 6002 | 3262 | 1382 | 4644  |
| ALEXANDER | 6086 | 3234 | 1261 | 4495  |
| AURORA    | 6138 | 3112 | 1381 | 4493  |
| RVP03     | 6122 | 3154 | 1215 | 4369  |
| ITASCA    | 6026 | 2960 | 1247 | 4207  |
| CAROLA    | 6097 | 3191 | 980  | 4171  |
| 81009     | 6093 | 3038 | 1106 | 4144  |
| VEGA      | 6139 | 3116 | 1016 | 4132  |
| T120      | 6121 | 3082 | 934  | 4016  |
| TIA       | 6135 | 2824 | 1062 | 3886  |
| JONATHAN  | 6133 | 2816 | 919  | 3735  |
| HT31      | 6124 | 2504 | 991  | 3495  |
| MEAN      |      | 3151 | 1284 | 4435  |
| C.V. %    |      | 13.4 | 17.2 | 10.7  |
| F         |      | ns   | **   | **    |
| L.S.D.5%  |      | 597  | 313  | 675   |

RCBD arrangement, 4 blocks {1234}

HARVEST DATES : 06/29/2000 08/24/2000

ONTARIO  
 Elora  
 Late Timothy Registration  
 Expt. 2750  
 Seeded 1997

|      |                | 2000 (kg/ha) |        |        |        |        |        |
|------|----------------|--------------|--------|--------|--------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 6002 | CLIMAX         | 9016         | 1665   | 10680  | 11671  | 11288  | 33640  |
| 6026 | ITASCA         | 9174         | 1700   | 10874  | 12948  | 11911  | 35732  |
| 6066 | NORMAX         | 8471         | 1944   | 10416  | 14474  | 10609  | 35498  |
| 6075 | WINMOR         | 8336         | 1906   | 10241  | 11106  | 9720   | 31067  |
| 6081 | MARIPOSA       | 8081         | 2437   | 10518  | 13325  | 11136  | 34978  |
| 6086 | ALEXANDER      | 8667         | 1656   | 10323  | 11383  | 10455  | 32160  |
| 6095 | ARGUS          | 8848         | 1899   | 10748  | 12382  | 11376  | 34506  |
| 6097 | CAROLA         | 8361         | 1442   | 9803   | 10873  | 11090  | 31766  |
| 6116 | SAGUENAY       | 8577         | 1538   | 10115  | 12635  | 11439  | 34188  |
| 6135 | TIA            | 7708         | 1139   | 8847   | 11386  | 9606   | 29839  |
| 6136 | TM8902         | 9289         | 1820   | 11108  | 12871  | 11813  | 35792  |
| 6138 | AURORA         | 9558         | 1909   | 11467  | 13738  | 12407  | 37612  |
| 6139 | VEGA           | 7861         | 824    | 8685   | 10121  | 10453  | 29259  |
|      | 900 Mean       | 8611         | 1683   | 10294  | 12224  | 11023  | 33541  |
|      | 901 CV         | 6.4          | 19.2   | 6.9    | 7.0    | 6.8    | 5.2    |
|      | 905 MCV        | 9.0          | 26.9   | 9.6    | 9.8    | 9.5    | 7.2    |
|      | 902 LSD        | 775.8        | 452.6  | 991.6  | 1193.2 | 1042.7 | 2421.2 |
|      | 906 LSR        | 41.9         | 28.1   | 35.7   | 27.4   | 37.2   | 29.0   |
|      | 907 Pr>F(Trts) | 0.0104       | 0.0008 | 0.0025 | 0.0001 | 0.0032 | 0.0001 |
|      | 908 R_square   | 63.9         | 78.3   | 73.6   | 82.1   | 69.3   | 82.4   |

RCBD arrangement, 3 blocks {124}

ONTARIO  
Thunder Bay  
Late Timothy 97  
Expt. 7278  
Seeded 1997

|                                   |           | 2000 (kg/ha) |        |        |        |        |        |
|-----------------------------------|-----------|--------------|--------|--------|--------|--------|--------|
| Code                              | Cultivar  | Cut 1        | Cut 2  | Tot00  | Tot99  | Tot98  | 3yrTot |
| 6002                              | CLIMAX    | 5077         | 885    | 5962   | 6366   | 5512   | 17840  |
| 6026                              | ITASCA    | 5416         | 819    | 6235   | 6382   | 5501   | 18118  |
| 6066                              | NORMAX    | 5149         | 921    | 6070   | 6473   | 5796   | 18339  |
| 6075                              | WINMOR    | 4780         | 870    | 5650   | 5681   | 5493   | 16824  |
| 6081                              | MARIPOSA  | 5563         | 748    | 6310   | 6193   | 5533   | 18037  |
| 6086                              | ALEXANDER | 5069         | 803    | 5872   | 6186   | 5681   | 17739  |
| 6095                              | ARGUS     | 5537         | 644    | 6181   | 6178   | 5893   | 18253  |
| 6097                              | CAROLA    | 5147         | 622    | 5769   | 6053   | 5198   | 17021  |
| 6116                              | SAGUENAY  | 5015         | 666    | 5681   | 5719   | 6063   | 17463  |
| 6135                              | TIA       | 4726         | 524    | 5250   | 5304   | 5098   | 15652  |
| 6136                              | TM8902    | 5404         | 870    | 6274   | 6706   | 5072   | 18052  |
| 6138                              | AURORA    | 5208         | 829    | 6037   | 6022   | 5365   | 17423  |
| 6139                              | VEGA      | 5151         | 377    | 5528   | 5217   | 4765   | 15510  |
| 900 Mean                          |           | 5172         | 737    | 5909   | 6037   | 5459   | 17405  |
| 901 CV                            |           | 7.1          | 13.4   | 6.0    | 6.0    | 7.2    | 4.4    |
| 905 MCV                           |           | 8.5          | 16.1   | 7.2    | 7.2    | 8.7    | 5.3    |
| 902 LSD                           |           | 439.7        | 118.5  | 428.1  | 435.9  | 474.4  | 917.9  |
| 906 LSR                           |           | 52.6         | 21.8   | 40.4   | 29.3   | 36.5   | 32.4   |
| 907 Pr>F(Trts)                    |           | 0.0561       | 0.0000 | 0.0031 | 0.0000 | 0.0025 | 0.0000 |
| 908 R_square                      |           | 46.0         | 78.9   | 54.9   | 69.8   | 65.5   | 68.2   |
| RCBD arrangement, 4 blocks {1234} |           |              |        |        |        |        |        |



ONTARIO  
Thunder Bay  
Late Timothy  
Expt. 7286  
Seeded 1998

| 2000 (kg/ha)   |           |        |        |        |        |        |
|----------------|-----------|--------|--------|--------|--------|--------|
| Code           | Cultivar  | Cut 1  | Cut 2  | Tot00  | Tot99  | 2yrTot |
| 6002           | CLIMAX    | 6750   | 1069   | 7819   | 7417   | 15236  |
| 6026           | ITASCA    | 6553   | 916    | 7470   | 7405   | 14875  |
| 6066           | NORMAX    | 6083   | 1045   | 7128   | 7316   | 14444  |
| 6081           | MARIPOSA  | 6731   | 1021   | 7752   | 7832   | 15584  |
| 6086           | ALEXANDER | 6070   | 1010   | 7081   | 7506   | 14587  |
| 6095           | ARGUS     | 6326   | 958    | 7284   | 7346   | 14630  |
| 6097           | CAROLA    | 6277   | 822    | 7099   | 7336   | 14435  |
| 6102           | DYNASTY   | 6526   | 1001   | 7527   | 7164   | 14690  |
| 6138           | AURORA    | 6385   | 941    | 7326   | 7718   | 15045  |
| 6139           | VEGA      | 6434   | 560    | 6993   | 7002   | 13995  |
| 900 Mean       |           | 6414   | 934    | 7348   | 7404   | 14752  |
| 901 CV         |           | 4.2    | 18.4   | 4.9    | 5.5    | 4.3    |
| 905 MCV        |           | 5.1    | 22.1   | 5.9    | 6.6    | 5.2    |
| 902 LSD        |           | 326.6  | 206.8  | 436.5  | 490.1  | 768.7  |
| 906 LSR        |           | 48.0   | 40.7   | 52.9   | 59.0   | 48.4   |
| 907 Pr>F(Trts) |           | 0.0124 | 0.0122 | 0.0308 | 0.2292 | 0.0779 |
| 908 R_square   |           | 53.9   | 52.1   | 49.5   | 37.3   | 41.4   |

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2000  
 EXP: 6145  
 1998 OFCC LATE TIMOTHY

YIELD (kg DM/ha)

| CULTIVARS | Code | C-1  | C-2  | TOTAL |
|-----------|------|------|------|-------|
| ITASCA    | 6026 | 7574 | 1763 | 9337  |
| NORMAX    | 6066 | 7041 | 2112 | 9153  |
| DYNASTY   | 6102 | 7637 | 1473 | 9110  |
| MARIPOSA  | 6081 | 7621 | 1408 | 9029  |
| SAGUENAY  | 6116 | 7517 | 1479 | 8996  |
| CAROLA    | 6097 | 7452 | 1316 | 8768  |
| CLIMAX    | 6002 | 7269 | 1485 | 8754  |
| ALEXANDER | 6086 | 7250 | 1445 | 8695  |
| AURORA    | 6138 | 7198 | 1327 | 8525  |
| ARGUS     | 6095 | 7071 | 1385 | 8456  |
| VEGA      | 6139 | 7269 | 1011 | 8280  |
| MEAN      |      | 7354 | 1473 | 8828  |
| C.V. %    |      | 7.2  | 12.9 | 7.10  |
| F         |      | ns   | **   | ns    |
| L.S.D.5%  |      | 763  | 275  | 905   |

RBCD arrangement, 4 blocks {1234}

HARVEST DATES : 06/28/2000 08/25/2000

ONTARIO  
 Elora  
 Timothy Reg Late  
 Expt. 2774  
 Seeded 1999

|      |                | 2000 (kg/ha) |        |        |
|------|----------------|--------------|--------|--------|
| Code | Cultivar       | Cut 1        | Cut 2  | Tot00  |
| 6002 | CLIMAX         | 9162         | 1007   | 10169  |
| 6026 | ITASCA         | 9450         | 1307   | 10757  |
| 6097 | CAROLA         | 8442         | 1182   | 9624   |
| 6102 | DYNASTY        | 8806         | 1225   | 10031  |
| 6116 | SAGUENAY       | 8812         | 967    | 9779   |
| 6150 | BOR_94301      | 8695         | 1137   | 9833   |
| 6151 | SF8903         | 9272         | 1087   | 10359  |
|      | 900 Mean       | 8948         | 1130   | 10079  |
|      | 901 CV         | 9.3          | 22.7   | 9.3    |
|      | 905 MCV        | 11.4         | 27.8   | 11.5   |
|      | 902 LSD        | 1023.5       | 314.2  | 1154.1 |
|      | 906 LSR        | 101.6        | 92.3   | 101.9  |
|      | 907 Pr>F(Trts) | 0.6343       | 0.5287 | 0.6679 |
|      | 908 R_square   | 21.6         | 34.8   | 22.2   |

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 New Liskeard  
 Late Timothy 99  
 Expt. 9912  
 Seeded 1999

| 2000 (kg/ha) |                |        |        |        |
|--------------|----------------|--------|--------|--------|
| Code         | Cultivar       | Cut 1  | Cut 2  | Tot00  |
| 6002         | CLIMAX         | 6550   | 4584   | 11134  |
| 6026         | ITASCA         | 6515   | 3833   | 10348  |
| 6097         | CAROLA         | 6627   | 4130   | 10757  |
| 6102         | DYNASTY        | 5919   | 4356   | 10275  |
| 6116         | SAGUENAY       | 6746   | 4001   | 10748  |
| 6150         | BOR_94301      | 5978   | 3519   | 9497   |
| 6151         | SF8903         | 6645   | 4000   | 10645  |
|              | 900 Mean       | 6426   | 4061   | 10486  |
|              | 901 CV         | 6.4    | 11.7   | 7.4    |
|              | 905 MCV        | 7.9    | 14.3   | 9.1    |
|              | 902 LSD        | 508.1  | 581.0  | 956.7  |
|              | 906 LSR        | 61.4   | 54.6   | 58.4   |
|              | 907 Pr>F(Trts) | 0.0533 | 0.0994 | 0.1589 |
|              | 908 R_square   | 50.8   | 53.2   | 45.3   |

RCBD arrangement, 4 blocks {1234}

**OFCC Annual Ryegrass****Code 8501****Entry Barmultra IR****Sponsor Oseco****Year Entered 1999****Station Years 9**

|      |                 | Entry | Maris Ledger |
|------|-----------------|-------|--------------|
| 1999 | Elora           | 5954  | 5414         |
| 1999 | Kemptville      | 7621  | 8134         |
| 1999 | New Liskeard    | 6300  | 6163         |
| 1999 | Kapuskasing     | 4893  | 5352         |
| 1999 | Thunder Bay     | 4758  | 4849         |
| 2000 | Kemptville      | 3814  | 4437         |
| 2000 | Pakenham        | 8327  | 9390         |
| 2000 | Kapuskasing     | 6674  | 6412         |
| 2000 | Thunder Bay     | 4777  | 5108         |
|      | Mean            | 5902  | 6140         |
|      | Index Overall96 |       |              |

**OFCC Annual Ryegrass****Code 8507****Entry Barextra IR****Sponsor Pickseed****Year Entered 1999****Station Years 9**

|      |               | Entry | Maris Ledger |
|------|---------------|-------|--------------|
| 1999 | Elora         | 5657  | 5414         |
| 1999 | Kemptville    | 8577  | 8134         |
| 1999 | New Liskeard  | 6136  | 6163         |
| 1999 | Kapuskasing   | 5138  | 5352         |
| 1999 | Thunder Bay   | 5152  | 4849         |
| 2000 | Kemptville    | 4232  | 4437         |
| 2000 | Pakenham      | 9232  | 9390         |
| 2000 | Kapuskasing   | 5831  | 6412         |
| 2000 | Thunder Bay   | 4683  | 5108         |
|      | Mean          | 6071  | 6140         |
|      | Index Overall | 98    |              |

**OFCC Annual Ryegrass****Code** 8508**Entry** Sabroso WR**Sponsor** Pickseed**Year Entered** 1999**Station Years** 9

|      |              | Entry | Barspectra |
|------|--------------|-------|------------|
| 1999 | Elora        | 6405  | 5729       |
| 1999 | Kemptville   | 9117  | 9756       |
| 1999 | New Liskeard | 6942  | 5896       |
| 1999 | Kapuskasing  | 6479  | 6335       |
| 1999 | Thunder Bay  | 6259  | 6544       |
| 2000 | Kemptville   | 3485  | 3514       |
| 2000 | Pakenham     | 9716  | 9384       |
| 2000 | Kapuskasing  | 6562  | 6724       |
| 2000 | Thunder Bay  | 4597  | 4680       |
|      | Mean         | 6618  | 6507       |
|      | IndexOverall | 101   |            |
|      | South        | 101   |            |
|      | North        | 102   |            |

**OFCC Annual Ryegrass****Code** 8509**Entry** Bartali IR**Sponsor** Pickseed**Year Entered** 1999**Station Years** 9

|      |              | Entry | Maris Ledger |
|------|--------------|-------|--------------|
| 1999 | Elora        | 5542  | 5414         |
| 1999 | Kemptville   | 8429  | 8134         |
| 1999 | New Liskeard | 5773  | 6163         |
| 1999 | Kapuskasing  | 4865  | 5352         |
| 1999 | Thunder Bay  | 4915  | 4849         |
| 2000 | Kemptville   | 3639  | 4437         |
| 2000 | Pakenham     | 8694  | 9390         |
| 2000 | Kapuskasing  | 6595  | 6412         |
| 2000 | Thunder Bay  | 4739  | 5108         |
|      | Mean         | 5910  | 6140         |
|      | IndexOverall | 96    |              |

|                      |                     |              |                   |  |
|----------------------|---------------------|--------------|-------------------|--|
| <b>OFCC Annual</b>   |                     |              |                   |  |
| <b>Ryegrass</b>      |                     |              |                   |  |
| <b>Code</b>          | 8510                |              |                   |  |
| <b>Entry</b>         | NSCL 30 WR          |              |                   |  |
| <b>Sponsor</b>       | Newfield Seed       |              |                   |  |
| <b>Year Entered</b>  | 1999                |              |                   |  |
| <b>Station Years</b> | 6                   |              |                   |  |
|                      |                     | <b>Entry</b> | <b>Barspectra</b> |  |
| 1999                 | Elora               | 6455         | 5729              |  |
| 1999                 | Kemptville          | 8998         | 9756              |  |
| 1999                 | New Liskeard        | 6180         | 5896              |  |
| 1999                 | Kapuskasing         | 6449         | 6335              |  |
| 1999                 | Thunder Bay         | 6720         | 6544              |  |
| 2000                 | Kapuskasing         | 6069         | 6724              |  |
|                      |                     | <b>Mean</b>  | 6812              |  |
|                      |                     |              | 6831              |  |
|                      | <b>IndexOverall</b> | 99           |                   |  |

|                      |                     |              |                   |  |
|----------------------|---------------------|--------------|-------------------|--|
| <b>OFCC Annual</b>   |                     |              |                   |  |
| <b>Ryegrass</b>      |                     |              |                   |  |
| <b>Code</b>          | 8511                |              |                   |  |
| <b>Entry</b>         | Fredrik             |              |                   |  |
| <b>Sponsor</b>       | Newfield Seed       |              |                   |  |
| <b>Year Entered</b>  | 2000                |              |                   |  |
| <b>Station Years</b> | 4                   |              |                   |  |
|                      |                     | <b>Entry</b> | <b>Barspectra</b> |  |
| 2000                 | Kemptville          | 2901         | 3514              |  |
| 2000                 | Pakenham            | 6451         | 9384              |  |
| 2000                 | Kapuskasing         | 6299         | 6724              |  |
| 2000                 | Thunder Bay         | 4537         | 4680              |  |
|                      |                     | <b>Mean</b>  | 5047              |  |
|                      |                     |              | 6075.5            |  |
|                      | <b>IndexOverall</b> | 83           |                   |  |

Note: New Liskeard test not able to harvest due to quackgrass problem.

**OFCC****2000 Cereal Forage Tests****Total Forage  
Dry Matter  
Yield (kg/ha)**

| <b>Code</b> | <b>Name</b>     | <b>Species</b> | <b>New Liskeard</b> | <b>Kapuskasing</b> | <b>Pakenham</b> | <b>Kemptville</b> |
|-------------|-----------------|----------------|---------------------|--------------------|-----------------|-------------------|
| 7504        | Rigodon/Trapper | oat/pea        | 7029                | 6969               | 5529            | 4659              |
| 7509        | Rigodon (check) | oat/pea        | 6160                | 6061               | 5809            | 4265              |
| 7512        | Trapper         | pea            | -                   | 3751               | 3258            | 2264              |
| 7519        | Sommerville     | barley         | 6457                | 6513               | 5253            | 3976              |
| 7530        | Leger           | barley         | 7245                | 8324               | 5080            | 4359              |
| 7531        | Sandro/40-10    | triticale/pea  | 5321                | 4992               | 3700            | 3559              |
| 7533        | Whero           | pea            | -                   | 3146               | 3437            | 2918              |
|             |                 |                |                     |                    |                 |                   |
| Mean        |                 |                | 6443                | 5680               | 4581            | 3714              |
| CV          |                 |                | 13.5                | 13.9               | 13.1            | 11.4              |

Note: Thunder Bay test destroyed by hail and high winds



## Heading Dates, Elora 2000

| Name        | Code | Heading Date |
|-------------|------|--------------|
| Tall Fescue |      |              |
| Festorina   | 5519 | May 26       |
| Montebello  | 5527 | May 27       |
| Courtenay   | 5523 | May 28       |
| TF9201      | 5028 | May 26       |

### Orchardgrass

|             |      |        |
|-------------|------|--------|
| OG9502      | 3098 | May 21 |
| AC Splendor | 3078 | May 25 |
| OG9402      | 3103 | May 25 |
| Benchmark   | 3075 | May 18 |
| OG9501      | 3097 | May 22 |
| Warrior     | 3100 | May 23 |
| Haka        | 3104 | May 25 |
| Kay         | 3003 | May 24 |
| Haymate     | 3086 | May 19 |
| Profile     | 3101 | May 18 |