

Appendix II

Analysis of variance for length of leaf (cm) at different stages of growth.

| Sources of Variation | D.F | Mean sum of squares |         |           |           |           |           |           |           |         |         |         |         |
|----------------------|-----|---------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
|                      |     | 30 DAT              |         |           | 60 DAT    |           |           | 90 DAT    |           |         | 120 DAT |         |         |
|                      |     | 1990-91             | 1991-92 | 1990-91   | 1991-92   | 1990-91   | 1991-92   | 1990-91   | 1991-92   | 1990-91 | 1991-92 | 1990-91 | 1991-92 |
| Replication          | 2   | 0.11                | 0.31    | 2.62      | 0.48      | 4.69      | 1.54      | 3.85      | 4.02      |         |         |         |         |
| D                    | 3   | 32.61**             | 33.92** | 98.11**   | 116.52**  | 139.19**  | 149.58**  | 188.63**  | 177.86**  |         |         |         |         |
| Error (a)            | 6   | 0.67                | 0.24    | 1.97      | 0.02      | 0.95      | 3.67      | 1.81      | 0.52      |         |         |         |         |
| W                    | 3   | 42.46**             | 46.21** | 3052.89** | 3268.79** | 4180.79** | 4407.41** | 4749.89** | 5179.65** |         |         |         |         |
| D x W                | 9   | 0.48                | 0.42    | 1.74      | 2.11      | 3.21      | 2.87      | 4.78      | 3.89      |         |         |         |         |
| Error (b)            | 24  | 0.89                | 1.15    | 5.58      | 4.72      | 5.61      | 8.87      | 6.67      | 7.09      |         |         |         |         |
| N                    | 3   | 50.78**             | 53.72** | 1054.69** | 1134.68** | 1414.32** | 1505.24** | 1620.68** | 1713.85** |         |         |         |         |
| D x N                | 9   | 0.03                | 0.04    | 0.44      | 0.58      | 0.66      | 0.70      | 1.14      | 0.61      |         |         |         |         |
| W x N                | 9   | 0.04                | 0.047   | 194.11**  | 210.73**  | 270.71**  | 287.66**  | 291.09**  | 326.77**  |         |         |         |         |
| D x W x N            | 27  | 0.006               | 0.017   | 0.31      | 0.22      | 0.39      | 0.39      | 0.81      | 0.46      |         |         |         |         |
| Error (c)            | 96  | 3.34                | 3.44    | 12.66     | 14.32     | 18.51     | 20.57     | 20.79     | 22.54     |         |         |         |         |
| Total                | 191 |                     |         |           |           |           |           |           |           |         |         |         |         |

\*\* Significant at 1% level of probability.