

Perennial ryegrass - persistence

Summary

- Ryegrass ground cover is measured at the end of each AYT to assess persistence.
- *Alto*, *Bealey*, *Bronsyn*, and *Arrow* perennial ryegrasses have shown improved persistence over *Extreme AR6*.

Results

Ryegrass ground cover is measured at the end of each trial (3 years after sowing) to measure persistence. The following table gives results combined over the nine AYT trials run to date.

Ryegrass ground cover is measured by 'point analysis', where 100 points are placed per plot, and the percentage that hit ryegrass recorded.

2003-09 AYT combined trial persistence*

| Entry | Ryegrass ground cover (%)* |
|---------------------|----------------------------|
| <i>Alto AR1</i> | 79 a |
| <i>Quartet SE</i> | 77 ab |
| <i>Matrix SE</i> | 76 ab |
| <i>Bealey NEA2</i> | 76 ab |
| <i>Bronsyn AR1</i> | 76 ab |
| <i>Arrow SE</i> | 76 ab |
| <i>Commando AR1</i> | 74 ab |
| <i>Extreme AR6</i> | 66 b |

* Combined scores over 9 AYT trials (2003-06 Cambridge Waikato; 2003-06 Massey University Manawatu; 2003-06 Kirwee Canterbury, 2003-06 Courtenay Canterbury; 2004-07 Whareroa Taranaki; 2005-08 Newstead Waikato; 2005-08 Massey University Manawatu; 2005-08 Burnham, Canterbury; 2006-09 Whareroa Taranaki). Varieties must be in minimum of 3 trials to be included. Significance lettering given for 5% LSD level, varieties with the same letter are not significantly different.

