

Perennial ryegrass - plant pulling

Summary

- Plant pulling can substantially reduce ryegrass persistence, on some light ash soils, or those with a peat, sand or pumice content.
- *Bealey*, *Bronsyn*, *Alto* and *Arrow* perennial ryegrasses have improved resistance to plant pulling over *Extreme AR6* and *Matrix*.

Combined trial results

Below are the combined results from the 11 scores of plant pulling from Advanced Yield Trials (AYT). Plant pulling has shown up particularly badly in the Waikato and Taranaki trials with DairyNZ.

2003-08 AYT combined ryegrass plant pulling scores*

Entry	Score	
<i>Bealey</i>	7.6	a
<i>Bronsyn</i>	7.4	ab
<i>Alto</i>	7.2	ac
<i>Arrow</i>	7.1	ac
<i>Commando</i>	6.9	bc
<i>Matrix</i>	6.1	de
<i>Extreme</i>	5.7	e

* Plots visually scored on a 9 to 1 basis, where 9 = no ryegrass plant pulling. Data combines plant pulling over 11 scores from four trials (04-07 Whareroa, Taranaki = 4 scores; 05-08 Newstead, Waikato = 4 scores; 05-08 Massey University, Manawatu = 1 score; 05-08 Burnham, Canterbury = 2 scores). Statistical significance lettering given for 5% LSD, varieties with the same letter are not significantly different.

Plant pulling



Plant pulling like this occurs on some soil types, mainly in summer and autumn.