

Italian ryegrass yields - NZ

Summary

- The combination of multiple trials provides more reliable information on variety performance. This data combines the fourteen Italian ryegrass AYT's to date throughout NZ.
- *Tabu* shows excellent overall performance, with very fast establishment, and consistent high yield through all seasons. It has outproduced *Velocity*, *Sonik*, *Crusader* and *Feast II* in total yield.

Yield over all trials

The Italian ryegrass trials typically run for 15 months, from March sowing to the end of the following May. The 'First autumn' yield gives a good indication of early yield, and the 'Second autumn' gives an indication of the variety's relative persistence.

2004-08 AYT Italian ryegrass yields, relative to trial mean = 100%*

Entry	First autumn	Winter	Early spring	Late spring	Summer	Second autumn	Total
	Mar-May	Jun-Jul	Aug-Sept	Oct-Nov	Dec-Feb	Mar-May	
<i>Tabu</i>	114 a	109 a	105 ab	104 a	118 a	116 a	110 a
<i>Warrior</i>	100 ac	101 ab	100 bc	103 a	116 a	123 a	107 ab
<i>Feast II</i>	103 ab	103 ab	98 bc	98 a	109 a	121 a	103 b
<i>Crusader</i>	107 ab	113 a	95 bc	97 a	100 a	112 a	101 b
<i>Sonik</i>	97 bc	92 bc	91 c	99 a	105 a	107 a	98 b
<i>Accerlate</i>	98 ac	96 bc	100 a	107 a	77 b	52 b	94 b
<i>Velocity</i>	81 c	86 c	101 ac	93 a	76 b	67 ab	87 c
100 = kgDM/ha	1015	1390	2406	3741	2817	1000	12,364

*Yield combines data from the following 14 AYT trials: 04-05 Cambridge Waikato; 04-05 Palmerston North Manawatu; 05-06 Te Awamutu Waikato; 06-07 Kirwee Canterbury; 06-07 Te Awamutu Waikato; 06-07 Poukawa Hawkes Bay; 07-08 Te Awamutu Waikato; 07-08 Te Awamutu Waikato; 07-08 Hawera Taranaki; 07-08 Gore Southland; 08-09 Massey University; 08-09 Lincoln University; 08-09; Cambridge Waikato (2 trials). Varieties must be in at least three of the trials to be included. Significance lettering is given at the LSD 5% level, varieties with the same letter are not statistically different.