

Italian ryegrass yields - North Island

Summary

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

Yield over all trials

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

2004-09 AYT Italian ryegrass yields, relative to trial mean = 100%*

Entry	First autumn Mar-May	Winter Jun-Jul	Early spring Aug-Sept	Late spring Oct-Nov	Summer Dec-Feb	Second autumn Mar-May	Total
<i>Tabu</i>	113 a	109 a	107 a	104 ab	109 a	104 a	107 a
<i>Warrior</i>	101 ac	100 ab	102 ab	105 a	115 a	118 a	107 a
<i>Feast II</i>	104 ab	102 ab	99 ab	97 b	100 a	108 a	100 ab
<i>Crusader</i>	107 a	113 a	96 ab	97 b	97 a	107 a	100 ab
<i>Sonik</i>	94 bc	90 bc	91 b	100 ab	101 a	93 a	96 bc
<i>Velocity</i>	81 c	86 c	105 a	96 b	78 b	70 a	89 c
100 = kgDM/ha	1019	1403	2382	3728	2905	1068	12,499

*Yield combines data from the following 11 AYT trials: 04-05 Cambridge Waikato; 04-05 Palmerston North Manawatu; 05-06 Te Awamutu Waikato; 06-07 Te Awamutu Waikato; 06-07 Poukawa Hawkes Bay; 07-08 Te Awamutu Waikato; 07-08 Te Awamutu Waikato; 07-08 Hawera Taranaki; 08-09 Massey 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.