

Trial 15b

Vetch Variety Evaluation-1995

Geoff Castleman, Ashley Waite, Steve Wisneske, David Grayling
Mallee Research Station, Agriculture Victoria, Walpeup

Aim: to evaluate improved vetches for wheat and barley farming systems

Results: Both dry matter production and grain yield results (table 1) from this site were within expectations. Varieties grew well throughout the growing season with some brassica weeds growing above the height of the vetch at flowering. During pod filling, rust was observed on the leaves, stems and pods but lack of sufficient humidity and due to the lateness of infection of the rust, it did not have a significant effect on grain yield although know doubt it did reduce the grain yield of susceptible varieties. At the field day in September considerable interest was expressed in the variety "Cummins", as the results in the table indicate this variety did not produce the most dry matter when sampled on the 21/9/95 even though it visually looked quite spectacular during mid September. The Cummins variety is not a commercial cultivar and hence is not available to farmers who expressed a wish to obtain seed and grow this variety in 1996. New rust resistant vetch lines should be available to the farming community in the next 3-4 years and low toxin varieties soon after the rust resistant varieties become available.

Table 1 Vetch variety experiment-MV53I-1995

Variety	Height (cm)	Plant type (score 0-5)#	Grain Yield (t/ha)	Dry Matter (t/ha)
	19 Sep '95	19 Sep '95		21 Sep '95
3308	65	3	2.36	3.40
3322	57	5	2.74	2.98
3323	68	3	3.00	4.03
3324	68	4	3.02	4.48
3325	69	4	3.12	3.44
33172	57	5	2.68	3.53
33193	57	4	2.63	4.51
33194	40	4	2.93	3.75
33199	65	3	2.45	4.20
33215	58	4	1.42	4.60
33224	51	4	2.39	3.79
Blanchfleur	56	5	2.32	3.45
Langudoc	60	4	2.21	3.78
Cummins	60	5	2.49	4.11
Pink Avego	54	5	2.80	3.33
Isd (0.05)			0.43	1.48
CV %			8.1	18.9

Plant type at anthesis 1=very prostrate, 2=prostrate, 3=semi-prostrate, 4=erect, 5=very erect