

Nyngan Canola Variety Trial

Introduction

This variety trial was sown on 23 April 2008. The trial comprised of 10 early and mid maturing canola varieties with clearfield, TT and conventional backgrounds. Plant establishment was low and variable. Fertiliser was applied (6.6kg/haN, 14.5kg/haP & 1kg/haS) with the seed and weed control involving Haloxyfop-R was good. A well managed long fallow period provided good subsoil moisture. Treatments were applied to plots (12m*1.5m) and replicated three times.

Results

Variety	Yield (t/ha)	No	Protein (%)	No	Oil (%)	No
AG-MUSTER	1.25	1	25.6	9	38.0	7
HYOLA50	1.23	2	26.2	6	39.5	3
ATR-COBBLER	1.18	3	25.4	10	39.1	4
TARCOOLA	1.14	4	26.1	7	40.2	2
CBWA-TANAMI	1.11	5	25.8	8	37.0	9
ROTTNEST_TTC	0.97	6	28.2	3	37.4	8
TAWRIFFICTT	0.90	7	26.6	5	40.4	1
45Y77	0.89	8	28.8	1	36.7	10
44C79	0.85	9	27.4	4	38.5	5
TORNADOTT	0.80	10	28.2	2	38.1	6
					LSD = 2.41	
P = 0.076		P = 0.189		P = 0.045		
NSS		NSS		Significant		

NSS = Not statistically significant **Significant** = statistically significant

*Varieties that vary by less than the LSD are not statistically different.

*Many factors affect the relative performance of varieties in a trial. Varietal decisions should therefore not be based solely on a varieties performance in a limited number of trials.

Comments

This trial was a bit of a mixed bag with conventional, clearfield and TT varieties of varying maturities evaluated. The small number of varieties (10) meant that collation of all types into the one trial was the most feasible option. Grain yield and protein were not statistically significant whereas oil percentage was. Although sowing time was adequate an earlier sowing may have given the trial more time to compensate for the low and irregular establishment.