

Trial 3. Canola Plant Density (Winter) (FAR SAC C22-03-W)

Objectives:

To determine optimum plant density for hyper-yielding winter canola.

Table 1. Yield of the variety evaluation trial (t/ha, % site mean) and grain quality results.

Target plant density	Establishment		Yield		Grain Quality		
	Plants/m ²		Yield		Oil	Test wt	Protein
			(t/ha)		%	kg/HL	%
15 plants/m ²	13.6	b	4.11	-	42.9	-	19.1
30 plants/m ²	20.3	b	4.30	-	43.0	-	18.0
50 plants/m ²	32.2	a	4.37	-	40.8	-	20.1
75 plants/m ²	33.9	a	4.50	-	43.7	-	18.6
Mean	25.0		4.32		42.6		19.0
LSD 0.05	8.9		0.49		2.7		2.8
P Val	0.002		0.384		0.172		0.426

Table 2. Trial management details.

Sowing Date		10 May 2022
Sowing Rate:		As per treatment list
Seed Treatment:		Saltro Duo
Basal Fertiliser:		11 May 145 kg/ha MAP
Nitrogen:		22 Jun 17 kg N/ha
		6 Jul 95 kg N/ha
		23 Aug 112 kg N/ha
Fungicide:		6 Leaf Prosaro 0.45 L/ha
		20% Flower Aviator Xpro 0.80 L/ha