

2022 VARIETY TRIALS

Canola Variety Trial Summary

Variety trials under irrigation provide key information on varieties in terms of yield potential, grain quality and also assess varietal characteristics such as maturity, height, disease resistance and lodging. The Kerang Research Centre is predominantly self-mulching grey clay, or a medium grey clay, with some red medium clay on the western section.

The trial block was inundated by floodwater on October 31. While the floodwater had receded by November 21, the site remained waterlogged for another 10 days. The variety trials were not harvested this year as the tangled mat and shattering made it impossible for the research team to separate the plots or gain results that would allow us to accurately assess variety performance. Instead we have included the long-term results to help you make variety decisions.

Trial Observations

Prior to inundation, all varieties were upright and at late grain fill (probably 5 days away from windrowing). Following the floodwaters receding, lodging (and shattering) became an issue. The floodwater was approximately 30 – 40 cm deep for a three-week period, and at this height, many stems began to bend or split, rather than a general 'lean' we usually see with lodging. This did vary with the depth and length of the inundation as the trials lower down the bay suffered from a greater degree of lodging.

The wet weather preceding the flooding saw infection from sclerotinia, which became apparent as the stems split open. This was the first time that sclerotinia had been recorded at the Trial Block, which started in 2002.

Long term Average Results

Variety	2018	2019	2020	2021	Average
Site Average t/ha	2.93	3.85	4.27	3.90	3.74
Quartz	134%	125%	115%		124%
Nuseed Raptor			115%	116%	115%
InVigor R 4520P				112%	112%
InVigor R 4022P		113%	112%	109%	111%
Nuseed Condor TF			112%	108%	110%
Hyola Garrison XC				105%	105%
HyTTec Trifecta			107%	102%	104%
45Y95				102%	102%
45Y28			100%	103%	102%
HyTTec Trident	115%	85%	112%	93%	101%
HyTTec Trophy	102%	97%	90%	99%	97%
Hyola Equinox CL				95%	95%
44Y94				94%	94%
InVigor T 4510	102%	80%		97%	93%
SF Dynatron TT			90%	95%	93%
Hyola Blazer TT				92%	92%
Hyola Enforcer CT			90%	90%	90%
InVigor LT 4530P			96%	83%	89%
InVigor T 6010			82%	93%	88%
SF Ignite TT				87%	87%

Growing season rainfall (mm)	121.6	154.6	251.9	160.4	
Irrigation Applied (ML) - Autumn	1.5	1.8	1.3	1.5	
Irrigation Applied (ML) - Spring	1.8	2.0	1.7	1.9	

Note: This is only one trial in one location/environment. It is advised to consult other trial results over multiple sites and seasons before making annual variety decisions.

