



GRDC

GRAINS RESEARCH
& DEVELOPMENT
CORPORATION

2021 QUARANTINE REPORT



NEW SOUTH WALES

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Important Information for Quarantined (Harvested but not released) Trials

To ensure the results of NVT remain robust, relevant and of the highest quality, it is agreed policy to exclude quarantined trial data from the published reports. Frost, wind and hail damage and drought events are random, uncontrollable, unpredictable and extremely variable in both timing and severity of the damage caused. Variety tolerances to frost and many other random climatic events cannot be measured or gauged in field based NVT.

****WARNING****

Data presented within this report provides growers with a transparent account of NVT trials that were severely compromised by various factors rendering them unsuitable for general publication. These trials were harvested but the data was not released as it was deemed of no value for the purposes of head to head variety comparison and should not be used for any variety selection decisions.

Replication of this data is strictly prohibited, and it **MUST NOT** be used by ANY parties for producing variety brochures and marketing material, sowing guides, grower notes or ANY OTHER publication or communication activities.

Table 1: 2021 NSW Unreleased Trials

SiteDescription	CropName	TrialCode	Sowing Date	Mean Yield	CV Value	P Value	F Value
Bellata	Canola	CEIA21BELL2	21-May-21	1.71	9.11	<0.001	12.47
Bellata	Canola	CETA21BELL2	21-May-21	1.95	7.89	<0.001	11.10
Parkes	Canola	CMGA21PARK2	20-Apr-21	1.79	11.18	<0.001	5.95
Parkes	Canola	CMIA21PARK2	20-Apr-21	2.19	9.54	<0.001	3.64
Rankins Springs	Field Pea	PMaA21RANK2	18-May-21	2.71	4.98	<0.001	51.85
Henty	Lupin	LMNA21HENT2	14-May-21	1.84	13.15	0.023	3.74
Coolah	Oat	OMaA21COOL2	20-May-21	2.06	18.69	<0.001	35.38

2021 Quarantine Report NSW Canola.

Table 2: Glyphosate Tolerant Canola Trial Yield Data

Region	N/W	
Locality	Parkes	
Trial ID	CMGA21PARK2	
Variety Name	tonnes/ha	% Site Mean
DG Bindo TF	2.15	120
DG Lofty TF	1.49	83
Hyola 410XX	1.40	78
Hyola Battalion XC	1.58	89
Hyola Garrison XC	1.49	83
InVigor R 4022P	1.96	109
InVigor R 4520P	2.06	115
InVigor R 5520P	2.07	116
Nuseed Condor TF	1.88	105
Nuseed Raptor TF	1.62	90
Pioneer 44Y27 (RR)	1.81	101
Pioneer 44Y30 RR	1.58	88
VICTORY V55-04TF	2.07	116
Site Mean (t/ha)	1.79	100
CV (%)	11.18	
Probability	<0.001	
LSD (t/ha)	0.34	

Sowing Date 20-Apr-2021

Trial Comments Trial not to be released due to excessive shattering. These trial results should not be used to make variety selection decisions

Table 3: Imidazolinone Tolerant Canola Trial Yield Data

Region	N/E		N/W	
Locality	Bellata		Parkes	
Trial ID	CEIA21BELL2		CMIA21PARK2	
Variety Name	tonnes/ha	% Site Mean	tonnes/ha	% Site Mean
Hyola Equinox CL	-	-	1.83	84
Pioneer 43Y92 (CL)	1.63	95	2.10	96
Pioneer 44Y94 CL	1.92	112	2.59	118
Pioneer 44Y96 CL	2.11	123	2.13	97
Pioneer 45Y95 (CL)	-	-	2.43	111
VICTORY V7002CL	1.99	116	2.05	93
Site Mean (t/ha)	1.71	100	2.19	100
CV (%)	9.11		9.54	
Probability	<0.001		<0.001	
LSD (t/ha)	0.25		0.36	
Sowing Date	21-May-2021		20-Apr-2021	
Trial Comments	Trial not to be released due to excessive shattering. These trial results should not be used to make variety selection decisions		Trial not to be released due to excessive shattering. These trial results should not be used to make variety selection decisions	

Table 4: Triazine Tolerant Canola Trial Yield Data

Region	N/E	
Locality	Bellata	
Trial ID	CETA21BELL2	
Variety Name	tonnes/ha	% Site Mean
HyTTec Trident	2.04	105
HyTTec Trophy	2.17	111
InVigor T 4510	2.26	116
RGT Capacity TT	2.06	106
Site Mean (t/ha)	1.95	100
CV (%)	7.89	
Probability	<0.001	
LSD (t/ha)	0.25	
Sowing Date	21-May-2021	
Trial Comments	Trial not to be released due to excessive shattering. These trial results should not be used to make variety selection decisions	

2021 Quarantine Report NSW Field Pea.

Table 5: Field Pea Trial Yield Data		
Region	S/W	
Locality	Rankins Springs	
Trial ID	PMaA21RANK2	
Variety Name	tonnes/ha	% Site Mean
GIA Kastar	1.76	65
GIA Ourstar	2.54	94
GIA2003P	2.89	106
GIA2005P	2.64	97
Kaspa	2.61	96
PBA Butler	2.53	93
PBA Noosa	2.23	82
PBA Oura	3.12	115
PBA Pearl	3.41	126
PBA Percy	3.52	130
PBA Taylor	3.07	113
PBA Wharton	1.95	72
Sturt	3.84	141
Site Mean (t/ha)	2.71	100
CV (%)	4.98	
Probability	<0.001	
LSD (t/ha)	0.22	
Sowing Date	18-May-2021	
Trial Comments	WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.	

2021 Quarantine Report NSW Lupin

Table 6: Lupin Trial Yield Data		
Region	S/E	
Locality	Henty	
Trial ID	LMNA21HENT2	
Variety Name	tonnes/ha	% Site Mean
Coyote	1.71	93
Mandelup	1.90	103
PBA Barlock	2.02	110
PBA Bateman	2.22	121
PBA Gunyidi	1.72	93
PBA Jurien	1.29	70
Quilnock	1.72	94
Wonga	1.54	84
Site Mean (t/ha)	1.84	100
CV (%)	13.15	
Probability	0.02	
LSD (t/ha)	0.39	
Sowing Date	14-May-2021	
Trial Comments	Trial not to be released due to unacceptable within plot and trial variability. These trial results should not be used to make variety selection decisions	