

2022 QUARANTINE REPORT



VICTORIA

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Important information for quarantined trials

To ensure the NVT results remain robust, relevant and of the highest quality, it is agreed policy to exclude trials that have been compromised by events that affect the accuracy of the results from being reported at the single site level. The damage caused by frost, wind, hail, drought and other events is random, uncontrollable, unpredictable and extremely variable in both timing and severity of the damage caused. Therefore, variety tolerances to frost and many other random climatic events cannot be measured or gauged in field-based NVT.

When uncontrolled events occur that are not uniform in their impact, the results are skewed and no longer representative of varietal performance. In these scenarios, the results are quarantined to avoid skewing the overall NVT results.

****WARNING****

Results presented within this report provide growers with a transparent account of NVT trials that were severely compromised by various factors rendering them unsuitable for inclusion in reporting. These trials were harvested, but the results were 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 these results is strictly prohibited, and ANY parties MUST NOT use them for producing variety brochures and marketing material, sowing guides, grower notes or ANY OTHER publication or communication activity.

Quarantined trials list

Table 1: 2022 Victorian quarantined trials.

Site description	Crop	Trial code	Sowing date	Harvest date	Mean yield	CV value	P value	F value
Numurkah	Wheat	WMaA22NUMU3	25-May	29-Dec	3.39	8.33	<0.001	19.29
Numurkah	Wheat	WEaA22NUMU3	2-May	29-Dec	4.41	7.40	<0.001	43.28
Kaniva	Chickpea	DMKA22KANI3	25-May	19-Jan	1.16	17.33	0.21	1.55
Kaniva	Field Pea	PMaA22KANI3	25-May	19-Jan	3.03	15.95	0.03	5.21
Horsham	Lentil	QMaA22HORS3	24-May	2-Jan	2.55	7.39	<0.001	11.21

Values listed in red are outside the acceptable range: CV \geq 15%, P value \geq 0.2 and F value \leq 1.0.

2022 quarantine report Victorian wheat.

Table 2: Main season wheat trial yield data		
Region	North East	
Locality	Numurkah	
Trial ID	WMaA22NUMU3	
Variety name	tonnes/ha	% site mean
Ascot	3.57	105
Ballista	3.23	95
Beckom	4.14	122
Boree	2.39	71
Brumby	4.59	135
Calibre	3.01	89
Catapult	2.62	77
Chief CL Plus	3.05	90
Coolah	3.63	107
Coota	2.54	75
Cutlass	3.03	89
Denison	2.83	84
EG Jet	4.24	125
EG Titanium	3.49	103
EGA Gregory	3.69	109
Elmore CL Plus	4.09	121
Grenade CL Plus	3.15	93
Hammer CL Plus	3.42	101
Kingston	3.06	90
Kord CL Plus	3.99	117
LRPB Anvil CL Plus	2.12	62
LRPB Cobra	2.85	84
LRPB Dual	4.08	120
LRPB Oryx	4.72	139
LRPB Parakeet	3.79	112
LRPB Scotch	4.23	125
LRPB Trojan	3.10	91

Table 2: Main season wheat trial yield data

Region	North East	
Locality	Numurkah	
Trial ID	WMaA22NUMU3	
Variety name	tonnes/ha	% site mean
Mace	3.39	100
Razor CL Plus	3.30	97
Reilly	2.82	83
RGT Zanzibar	4.61	136
RockStar	3.77	111
Scepter	2.78	82
Sheriff CL Plus	2.57	76
Sunblade CL Plus	4.61	136
Sunmaster	4.40	130
Valiant CL Plus	1.84	54
Vixen	4.20	124
Yitpi	2.79	82
Site mean (t/ha)	3.39	100
CV (%)	8.33	
Probability	<0.001	
LSD (t/ha)	0.47	
Sowing date	25-May-2022	

Trial comments

WARNING: THIS TRIAL WAS AFFECTED BY DISEASE and is not released. Disease will affect varieties differently, and trial results will be unreliable and not a true reflection of variety performance or ranking. The results to be published in the quarantine report. These trial results should not be used to make variety selection decisions.

Table 3: Early season wheat trial yield data.

Region	North East	
Locality	Numurkah	
Trial ID	WEaA22NUMU3	
Variety name	tonnes/ha	% site mean
Ascot	4.53	103
Beckom	5.01	114
BigRed	5.12	116
Catapult	3.01	68
Coolah	4.42	100
Coota	2.93	67
Cutlass	4.34	98
Denison	2.99	68
DS Pascal	4.62	105
EGA Gregory	4.46	101
EGA Wedgetail	3.84	87
Illabo	3.84	87
Longsword	3.91	89
LRPB Beaufort	6.07	138
LRPB Kittyhawk	3.79	86
LRPB Nighthawk	3.13	71
LRPB Scotch	4.94	112
LRPB Trojan	3.05	69
RGT Accroc	4.77	108
RGT Calabro	6.03	137
RGT Cesario	5.67	129
RGT Waugh	6.62	150
RGT Zanzibar	5.74	130
RockStar	3.48	79
Severn	4.82	109
Sheriff CL Plus	3.28	74

Table 3: Early season wheat trial yield data.

Region	North East	
Locality	Numurkah	
Trial ID	WEaA22NUMU3	
Variety name	tonnes/ha	% site mean
Stockade	3.54	80
Sunflex	2.61	59
Tungsten	4.07	92
Valiant CL Plus	2.41	55
Willaura	2.43	55
Site mean (t/ha)	4.41	100
CV (%)	7.40	
Probability	<0.001	
LSD (t/ha)	0.53	
Sowing date	02-May-2022	
Trial comments	<p>WARNING: THIS TRIAL WAS AFFECTED BY DISEASE and is not released. Disease will affect varieties differently, and trial results will be unreliable and not a true reflection of variety performance or ranking. The results to be published in the quarantine report. These trial results should not be used to make variety selection decisions.</p>	

2022 quarantine report Victorian chickpea.

Table 4: Kabuli chickpea trial yield data.		
Region	Wimmera	
Locality	Kaniva	
Trial ID	DMKA22KANI3	
Variety name	tonnes/ha	% site mean
Almaz	1.18	102
Genesis 090	1.13	98
Genesis Kalkee	1.11	96
PBA Magnus	1.05	91
PBA Monarch	0.97	84
PBA Royal	1.53	132
Site mean (t/ha)	1.16	100
CV (%)	17.33	
Probability	0.21	
LSD (t/ha)	0.36	
Sowing date	25-May-2022	
Trial comments	<p>WARNING: The trial has a high p-value (0.20), indicating low significance of the variety effect. The trial is not released and will be available via the quarantine report. These trial results should not be used to make variety selection decisions.</p>	

2022 quarantine report Victorian field pea.

Table 5: Field pea trial yield data.		
Region	Wimmera	
Locality	Kaniva	
Trial ID	PMaA22KANI3	
Variety name	tonnes/ha	% site mean
GIA Kastar	3.19	106
GIA Ourstar	3.46	114
Kaspa	2.35	78
PBA Butler	3.04	100
PBA Gunyah	3.90	129
PBA Noosa	2.57	85
PBA Oura	2.63	87
PBA Pearl	2.64	87
PBA Percy	3.37	111
PBA Taylor	2.51	83
PBA Wharton	4.02	133
Site mean (t/ha)	3.03	100
CV (%)	15.95	
Probability	0.03	
LSD (t/ha)	0.79	
Sowing date	25-May-2022	
Trial comments	WARNING: Trial is not released due to excessive insect damage. Results to be published in the quarantine report. These trial results should not be used to make variety selection decisions.	

2022 quarantine report Victorian lentil.

Table 6: Lentil trial yield data.		
Region	Wimmera	
Locality	Horsham	
Trial ID	QMaA22HORS3	
Variety name	tonnes/ha	% site mean
GIA Leader	2.19	86
GIA Lightning	2.42	95
GIA Metro	1.57	61
GIA Sire	1.99	78
GIA Thunder	2.99	117
Nipper	2.45	96
PBA Ace	2.33	91
PBA Blitz	2.65	104
PBA Bolt	2.28	89
PBA Hallmark XT	2.42	95
PBA HighlandXT	2.45	96
PBA Hurricane XT	2.45	96
PBA Jumbo2	2.66	104
PBA Kelpie XT	2.93	115
Site mean (t/ha)	2.55	100
CV (%)	7.39	
Probability	<0.001	
LSD (t/ha)	0.31	
Sowing date	24-May-2022	
Trial comments	WARNING: Trial is not released due to harvesting issues. Results to be published in the quarantine report. These trial results should not be used to make variety selection decisions.	