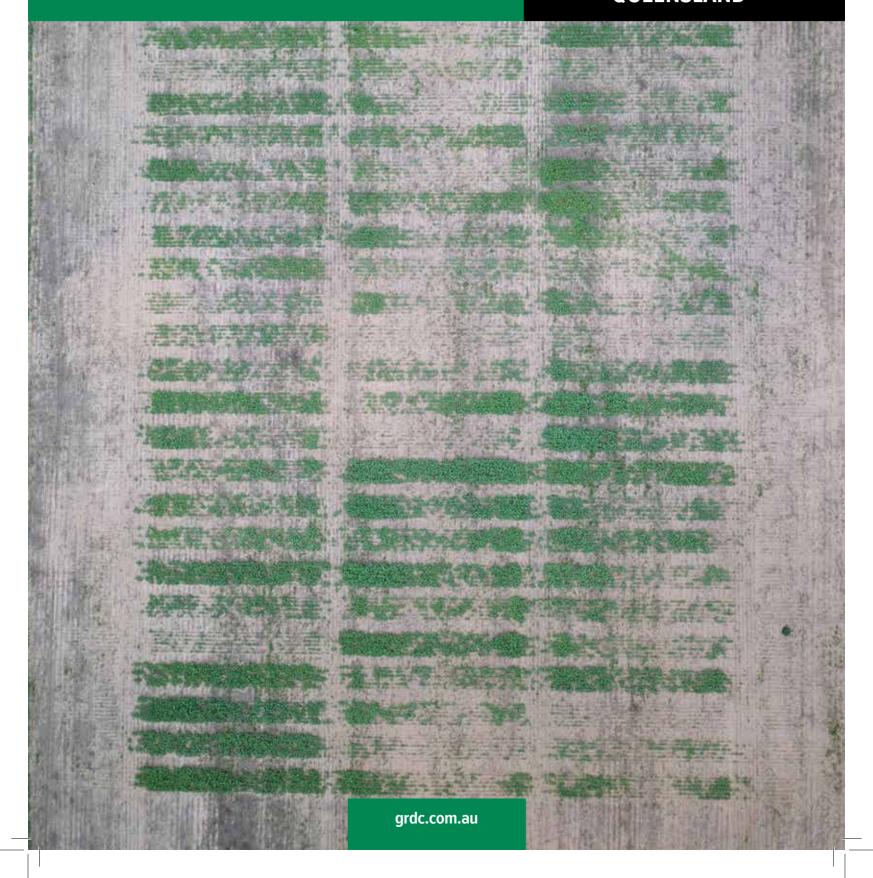


2022 QUARANTINE REPORT



QUEENSLAND





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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 <u>cannot</u> 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: 20	022 Qu	eensland quar	antined	trials.				
Site description	Crop	Trial code	Sowing date	Harvest date	Mean yield	CV value	P value	F value
Brookstead	Wheat	WMaA22BROO4	17-Jun	24-Nov	3.85	6.47	<0.001	3539.19
Dulacca	Wheat	WMaA22DULA4	2-Jun	10-Nov	5.46	5.37	<0.001	48.82
Macalister	Wheat	WMaA22MCAL4	21-Jun	9-Dec	4.97	6.07	<0.001	41.07
Mungindi	Wheat	WMaA22MUNG4	16-Jun	15-Dec	2.66	7.59	<0.001	24.07
Roma	Wheat	WMaA22ROMA4	2-Jun	11-Nov	4.62	7.15	<0.001	27.68
Westmar	Wheat	WMaA22WEST4	1-Jun	12-Nov	4.02	5.46	<0.001	58.85
Yelarbon	Wheat	WMaA22YELA4	18-Jun	30-Nov	4.72	5.79	<0.001	1517.88
Brookstead	Barley	BMaA22BROO4	17-Jun	24-Nov	3.62	10.29	<0.001	7.07
Macalister	Barley	BMaA22MCAL4	21-Jun	9-Dec	3.44	12.39	<0.001	8.41

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





2022 quarantine report Queensland wheat.

Table 2: South Eas	st main season w	heat trial yield d	ata			
Region	5	SEQ	5	SEQ		
Locality	+	okstead	MacAlister			
Trial ID		22BROO4	 	22MCAL4		
Variety name	tonnes/ha	% site mean	tonnes/ha	% site mean		
Boree	1.53	40	2.06	41		
Borlaug 100	4.82	125	5.95	120		
Calibre	3.22	84	4.00	80		
Catapult	1.77	46	3.40	68		
Condo	5.00	130	5.51	111		
Coota	2.48	64	2.80	56		
DS Faraday	3.86	100	5.21	105		
EG Titanium	3.46	90	5.06	102		
Elmore CL Plus	4.50	117	5.63	113		
Jillaroo	1.90	49	3.28	66		
LG Gold	2.18	57	4.22	85		
LRPB Flanker	4.11	107	5.04	101		
LRPB Hellfire	3.99	104	4.96	100		
LRPB Lancer	4.59	119	5.68	114		
LRPB Mustang	4.06	105	5.48	110		
LRPB Raider	4.68	122	5.58	112		
LRPB Reliant	4.73	123	5.36	108		
LRPB Spitfire	2.91	76	4.26	86		
LRPB Stealth	4.84	126	5.76	116		
Rebel Rat	5.39	140	6.26	126		
RockStar	1.61	42	2.45	49		





Region		SEQ	SEQ		
Locality		okstead	MacAlister		
Trial ID		22BROO4	+	22MCAL4	
Variety name	tonnes/ha	% site mean	tonnes/ha	% site mean	
Scepter	4.08	106	4.76	96	
SEA Condamine	4.30	112	5.57	112	
Sunblade CL Plus	4.47	116	5.92	119	
Suncentral	3.32	86	4.50	91	
Sunchaser	5.51	143	5.32	107	
Sunmaster	4.82	125	6.18	124	
Sunprime	3.31	86	5.30	107	
Suntop	4.86	126	5.94	120	
Vixen	0.89	23	2.79	56	
Site mean (t/ha)	3.85	100	4.97	100	
CV (%)	6.47		6.07		
Probability	<0.001		<0.001		
LSD (t/ha)	0.43		0.49		
Sowing date	17-J	un-2022	21-J	un-2022	
Trial comments	DISEASE and is not affect varieties differ will be unreliable and of variety performates results to be published.	IAL WAS AFFECTED BY released. Disease will erently and trial results and not a true reflection nce or ranking. The ned in the quarantine esults should not be try selection decisions.	DISEASE and is not in affect varieties differ will be unreliable are of variety performates and results to be published.	ned in the quarantine esults should not be	



Region	S	WQ	SI	WQ	SV	WQ	SI	WQ	SWQ	
Locality	cality Dulacca		Mungindi		Roma		Westmar		Yelarbon	
Trial ID	WMaA2	22DULA4	WMaA2	2MUNG4	WMaA2	2ROMA4	WMaA2	2WEST4	WMaA2	2YELA4
Variety name	tonnes/ha	% site mean	tonnes/ha	% site mean	tonnes/ha	% site mean	tonnes/ha	% site mean	tonnes/ha	% site mean
Boree	3.36	61	2.19	82	2.66	58	2.08	52	3.37	71
Borlaug 100	6.66	122	2.86	108	5.60	121	4.72	118	5.87	124
Calibre	4.91	90	2.54	95	3.62	78	3.42	85	4.11	87
Catapult	3.17	58	1.97	74	2.90	63	2.30	57	2.78	59
Condo	6.25	114	3.15	118	5.30	115	5.33	133	5.65	120
Coota	3.99	73	1.99	75	3.02	65	2.71	67	3.08	65
DS Faraday	4.91	90	2.61	98	4.88	106	4.15	103	4.72	100
Elmore CL Plus	5.40	99	2.84	107	3.78	82	3.63	90	4.78	101
Jillaroo	3.73	68	1.45	54	3.87	84	2.47	61	3.77	80
LG Gold	3.97	73	1.64	62	3.32	72	2.64	66	3.60	76
LRPB Flanker	4.93	90	2.73	103	4.80	104	3.87	96	4.49	95
LRPB Hellfire	5.43	99	2.38	89	4.89	106	3.79	94	4.62	98
LRPB Lancer	5.73	105	2.81	105	5.09	110	4.31	107	4.61	98
LRPB Mustang	5.50	101	2.79	105	5.12	111	4.08	101	4.62	98
LRPB Raider	5.75	105	2.74	103	5.78	125	4.74	118	4.98	105



Region	egion SWQ		SWQ		SV	SWQ		VQ	SWQ	
Locality	Dul	асса	Mun	gindi	Ro	ma	Wes	tmar	Yela	rbon
Trial ID	WMaA2	2DULA4	WMaA2	2MUNG4	WMaA2	2ROMA4	WMaA2	2WEST4	WMaA2	2YELA4
Variety name	tonnes/ha	% site mean								
LRPB Reliant	4.95	91	2.47	93	5.29	115	4.78	119	4.96	105
LRPB Spitfire	5.06	93	2.07	78	4.02	87	3.50	87	4.17	88
LRPB Stealth	5.75	105	3.12	117	5.23	113	4.63	115	4.86	103
Rebel Rat	6.55	120	3.09	116	5.61	121	4.84	121	6.03	128
RockStar	3.45	63	2.02	76	3.16	68	2.47	62	3.20	68
Scepter	5.44	100	3.07	115	4.46	97	3.75	93	4.76	101
SEA Condamine	5.76	105	2.82	106	4.90	106	4.17	104	5.52	117
Sunblade CL Plus	7.02	128	3.06	115	6.20	134	4.82	120	5.41	115
Suncentral	5.97	109	2.76	104	4.68	101	4.05	101	4.81	102
Sunchaser	6.71	123	3.17	119	5.80	126	5.07	126	5.70	121
Sunmaster	7.20	132	3.21	121	6.14	133	5.41	135	5.79	123
Sunprime	5.46	100	2.67	100	4.90	106	3.76	94	4.43	94
Suntop	6.79	124	3.04	114	5.04	109	4.94	123	5.59	118
Vixen	2.49	46	1.40	53	2.89	63	1.98	49	3.27	69

4.62

100

4.02

100

4.72

PO Box 5367 Kingston, ACT 2604 Australia

Site mean (t/ha)

T +61 2 6166 4500 E grdc@grdc.com.au 100

100

2.66

100

5.46



Table 3: Sou	th West m	ain seasor	n wheat tria	al yield dat	a.						
Region	SI	WQ	SWQ		SV	SWQ		SWQ		VQ	
Locality	Dulacca		Mungindi		Roma		Westmar		Yelarbon		
Trial ID	WMaA22DULA4		WMaA22MUNG4		WMaA2	WMaA22ROMA4		WMaA22WEST4		WMaA22YELA4	
Variety name	tonnes/ha	% site mean	tonnes/ha	% site mean	tonnes/ha	% site mean	tonnes/ha	% site mean	tonnes/ha	% site mean	
CV (%)	5.37		7.59		7.15		5.46		5.79		
Probability	<0.001		<0.001		<0.001		<0.001		<0.001		
LSD (t/ha)	0.49		0.35		0.54		0.38		0.45		
Sowing date	02-Ju	n-2022	16-Jur	า-2022	02-Jur	1-2022	01-Ju	n-2022	18-Jur	า-2022	
Trial comments	and not a tro of variety pe or ranking. I be published	TED BY d is not sease will cies and trial be unreliable ue reflection erformance The results to d in the report. These should not make variety	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.		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.		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.		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.		



2022 quarantine report Queensland barley.

Alestar Beast Bottler Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	Brook	EQ Estead 2BROO4 % site mean 110 105 117 102 103 101 91 76 85 113 94 88	MacA BMaA2: tonnes/ha 3.55 4.01 4.29 3.28 3.42 3.51 2.58 2.72 2.94 3.22	Alister 2MCAL4 % site mean 103 117 125 95 99 102 75 79 86 94
Locality Trial ID Variety name to Alestar Beast Bottler Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	Brook BMaA22 nnes/ha 4.00 3.80 4.26 3.68 3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	xstead 2BROO4 % site mean 110 105 117 102 103 101 91 76 85 113 94	MacA BMaA2: tonnes/ha 3.55 4.01 4.29 3.28 3.42 3.51 2.58 2.72 2.94 3.22	Alister 2MCAL4 % site mean 103 117 125 95 99 102 75 79 86
Trial ID Variety name Alestar Beast Bottler Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	BMaA22 nnes/ha 4.00 3.80 4.26 3.68 3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	2BROO4 % site mean 110 105 117 102 103 101 91 76 85 113 94	BMaA2 tonnes/ha 3.55 4.01 4.29 3.28 3.42 3.51 2.58 2.72 2.94 3.22	2MCAL4 % site mean 103 117 125 95 99 102 75 79 86
Variety name Alestar Beast Bottler Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.00 3.80 4.26 3.68 3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	% site mean 110 105 117 102 103 101 91 76 85 113 94	tonnes/ha 3.55 4.01 4.29 3.28 3.42 3.51 2.58 2.72 2.94 3.22	% site mean 103 117 125 95 99 102 75 79 86
Alestar Beast Bottler Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.00 3.80 4.26 3.68 3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	110 105 117 102 103 101 91 76 85 113	3.55 4.01 4.29 3.28 3.42 3.51 2.58 2.72 2.94 3.22	103 117 125 95 99 102 75 79
Bottler Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.26 3.68 3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	117 102 103 101 91 76 85 113	4.29 3.28 3.42 3.51 2.58 2.72 2.94 3.22	125 95 99 102 75 79 86
Combat Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.68 3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	102 103 101 91 76 85 113 94	3.28 3.42 3.51 2.58 2.72 2.94 3.22	95 99 102 75 79 86
Commander Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.72 3.67 3.31 2.75 3.09 4.10 3.40 3.20	103 101 91 76 85 113 94	3.42 3.51 2.58 2.72 2.94 3.22	99 102 75 79 86
Commodus CL Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.67 3.31 2.75 3.09 4.10 3.40 3.20	101 91 76 85 113 94	3.51 2.58 2.72 2.94 3.22	102 75 79 86
Compass Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.31 2.75 3.09 4.10 3.40 3.20	91 76 85 113 94	2.58 2.72 2.94 3.22	75 79 86
Cyclops Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	2.75 3.09 4.10 3.40 3.20	76 85 113 94	2.72 2.94 3.22	79 86
Fathom La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.09 4.10 3.40 3.20	85 113 94	2.94 3.22	86
La Trobe Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.10 3.40 3.20	113 94	3.22	
Laperouse Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.40 3.20	94		0.4
Leabrook Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	3.20		2.40	94
Maximus CL Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)		88	3.19	93
Minotaur RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.27		2.57	75
RGT Planet Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)		118	4.14	120
Rosalind Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	2.50	69	2.79	81
Spartacus CL Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.61	127	3.96	115
Titan AX Yeti Zena CL Site mean (t/ha) CV (%)	4.27	118	3.69	107
Yeti Zena CL Site mean (t/ha) CV (%)	2.71	75	3.66	106
Zena CL Site mean (t/ha) CV (%)	3.05	84	2.58	75
Site mean (t/ha) CV (%)	3.73	103	4.12	120
CV (%)	3.89	107	4.40	128
• •	3.62	100	3.44	100
Probability	10.29		12.39	
	<0.001		< 0.001	
LSD (t/ha)	0.61		0.69	
Sowing date	17-Jur	า-2022	21-Jui	n-2022
Trial comments AFFEC affect result reflect ranking used decise.	CTED BY Lodgin ing varieties di is will be unreli ition of variety ng. These trial i	AL WAS SEVERELY or and Head Loss, ifferently and trial able and not a true performance or results should not be y selection t to be released but the quarantine	WARNING: THIS TRI AFFECTED BY Lodgir affecting varieties d results will be unreli reflection of variety ranking. These trial used to make variet decisions. Trial is no will be available via	ng and Head Loss, ifferently and trial iable and not a true performance or results should not be y selection to be released but

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