

2020 QUARANTINE REPORT



QUEENSLAND

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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.

Cover: NVT Cereal Trial, Western Australia

Photo: Courtesy Living Farm.

Table 1: 2020 Queensland Unreleased Trials

Site Description	Name	Trial Code	Sowing Date	Harvest Date	Site Mean Yield	CV Value	P Value
Yelarbon	Wheat	WMaA20YELA4	13-May-20	20-Oct-20	3.43	13.50	0.224
Brookstead	Wheat	WEaA20BROO4	01-Jun-20	14-Nov-21	5.68	2.58	<0.001
Mungindi	Chickpea	DMDA20MUNG4	03-Jun-20	18-Oct-20	1.42	23.24	0.453
Billa Billa	Faba Bean	FMaA20BILB4	17-Apr-20	08-Oct-20	0.42	19.18	0.007

2020 Quarantine Report Queensland Wheat.

Table 2: Main Wheat Trial Yield data.

Region	SWQ	
Locality	Yelarbon	
Trial ID	WMaA20YELA4	
Variety Name	tonnes/ha	% Site Mean
Borlaug 100	3.56	104
Condo	3.00	87
Coota	3.38	99
DS Faraday	3.81	111
DS Tull	3.70	108
EGA Gregory	3.57	104
Elmore CL Plus	3.38	98
LG Gold	3.47	101
LRPB Flanker	3.80	111
LRPB Hellfire	3.27	95
LRPB Impala	3.53	103
LRPB Mustang	3.10	90
LRPB Oryx	3.20	93
LRPB Reliant	3.58	104
LRPB Spitfire	2.96	86
Mitch	3.49	102
Scepter	3.77	110
SEA Condamine	3.77	110
Sunblade CL Plus	3.93	114
Suncentral	2.96	86
Sunchaser	3.28	95
Sunmaster	3.77	110
Sunprime	3.59	105
Suntop	3.11	91
Site Mean (t/ha)	3.43	100
CV (%)	13.50	
Probability	0.22	
LSD (t/ha)	0.80	
Sowing Date	13-May-2020	
Trial Comments	This trial displayed a degree of variability as indicated by the CV of 13.5% and p-value of 0.22 indicating low significance of variety effect. Interpret results with caution. These trial results should not be used to make variety selection decisions.	

Table 3: Early Wheat Trial Yield data.

Region	SEQ	
Locality	Brookstead	
Crop Type	Wheat	
Trial ID	WEaA20BROO4	
Variety Name	tonnes/ha	% Site Mean
Coolah	5.40	95
Coota	6.15	108
Denison	5.93	104
DS Faraday	5.59	98
DS Tull	5.59	98
EGA Gregory	5.60	99
LRPB Flanker	5.56	98
LRPB Lancer	5.75	101
LRPB Nighthawk	5.68	100
LRPB Reliant	5.79	102
LRPB Stealth	5.68	100
Mitch	5.49	97
RGT Zanzibar	5.67	100
Sunflex	5.71	100
Sunmax	5.19	91
Site Mean (t/ha)	5.68	100
CV (%)	2.58	
Probability	<0.001	
LSD (t/ha)	0.24	
Sowing Date	01-Jun-2020	
Trial Comments	Sown outside acceptable window and may affect variety rankings. Interpret results with caution. These trial results should not be used to make variety selection decisions.	

2020 Quarantine Report Queensland Chickpea

Table 4: Desi Chickpea Trial Yield data.		
Region	SWQ	
Locality	Mungindi	
Trial ID	DMDA20MUNG4	
Variety Name	tonnes/ha	% Site Mean
CBA Captain	1.37	97
Kyabra	1.13	80
PBA Boundary	1.64	116
PBA Drummond	1.57	111
PBA HatTrick	1.39	98
PBA Seamer	1.27	89
RSCHKP001	1.69	119
Site Mean (t/ha)	1.42	100
CV (%)	23.24	
Probability	0.45	
LSD (t/ha)	0.54	
Sowing Date	03-Jun-2020	
Trial Comments	This trial displayed a degree of variability as indicated by the high CV of 23.2% and p-value of 0.045 indicating low significance of variety effect. Interpret results with caution. These trial results should not be used to make variety selection decisions.	

2020 Quarantine Report Queensland Faba bean

Table 5: Faba Bean Trial Yield data.		
Region	SWQ	
Locality	Billa Billa	
Trial ID	FMaA20BILB4	
Variety Name	tonnes/ha	% Site Mean
Cairo	0.34	83
Doza	0.39	94
PBA Nanu	0.34	82
PBA Nasma	0.62	149
PBA Warda	0.41	98
Site Mean (t/ha)	0.42	100
CV (%)	19.18	
Probability	0.01	
LSD (t/ha)	0.13	
Sowing Date	17-Apr-2020	
Trial Comments	This trial displayed a degree of variability as indicated by the high CV of 19.2 %. Interpret results with caution. These trial results should not be used to make variety selection decisions.	