



2018 INTERIM QUARANTINE REPORT

South Australia

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Important information for quarantined (unreleased but not abandoned) 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 has been made available to provide growers with a transparent account of the fate of unreleased but not abandoned NVT trials.

The data is of no value for the purposes of head-to-head variety comparison and will not form part of the trial data for the NVT website, database and app reporting systems.

It should not be used for any variety selection decisions and it has been excluded from the NVT Long Term MET analysis.

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.

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Table 1: 2018 SOUTH AUSTRALIAN Unreleased Trials for Barley, Canola, Faba Beans, Lupins, Oats and Wheat

State	Site Description	Crop	Trial Code	Sowing Date	Harvest Date	Site Mean Yield	CV Value
SA	Paruna	Barley	BMAA18PARU5	07-Jun-18	27-Nov-18	0.58	38.13
SA	Wharminda	Barley	BMAA18WHAR5	11-May-18	26-Nov-18	2.70	9.40
SA	Minlaton	Canola	CETA18MINL5	11-May-18	29-Nov-18	1.29	7.91
SA	Arthurton	Canola	CMIA18ARTH5	09-May-18	28-Nov-18	2.09	7.03
SA	Minlaton	Canola	CEIA18MINL5	11-May-18	29-Nov-18	1.46	7.41
SA	Lameroo	Canola	CETA18LAME5	07-May-18	28-Nov-18	0.64	15.24
SA	Lameroo	Canola	CEIA18LAME5	07-May-18	28-Nov-18	0.33	30.59
SA	Riverton	Canola	CMTA18RIVE5	08-May-18	26-Nov-18	1.60	5.98
SA	Riverton	Canola	CMIA18RIVE5	08-May-18	26-Nov-18	1.56	6.12
SA	Lameroo	Faba Bean	FMAA18LAME5	08-May-18	09-Nov-18	0.82	17.09
SA	Lameroo	Lupin	LMNA18LAME5	28-May-18	11-Dec-18	0.14	28.55
SA	Frances	Oat	OMAA18FRAN5	24-May-18	18-Dec-18	2.38	24.87
SA	Kimba	Wheat	WMAA18KIMB5	05-May-18	12-Nov-18	2.12	5.80
SA	Wokurna	Wheat	WMDA18WOKU5	10-May-18	12-Nov-18	2.30	6.85
SA	Wokurna	Wheat	WMAA18WOKU5	10-May-18	12-Nov-18	2.48	12.80
SA	Palmer	Wheat	WMAA18PALM5	11-May-18	15-Nov-18	0.66	17.80
SA	Nangari	Wheat	WMAA18NANG5	07-Jun-18	20-Nov-18	0.26	12.56
SA	Wanbi	Wheat	WMAA18WANB5	06-Jun-18	19-Nov-18	0.41	15.78
SA	Pinnaroo	Wheat	WMAA18PINN5	15-May-18	27-Nov-18	1.14	8.54
SA	Spalding	Wheat	WMDA18SPAL5	16-May-18	29-Nov-18	1.58	5.71
SA	Spalding	Wheat	WMAA18SPAL5	16-May-18	29-Nov-18	2.16	3.78

2018 Quarantine Report SOUTH AUSTRALIA Wheat

Main Wheat Trial Yield data

Region	Upper EP		Yorke P		Mid North		Murray Mallee		Murray Mallee		Murray Mallee		Murray Mallee	
Nearest Town	Kimba		Wokurna		Spalding		Nangari		Palmer		Pinnaroo		Wanbi	
Crop Type	Wheat		Wheat		Wheat		Wheat		Wheat		Wheat		Wheat	
Trial ID	WMaA18KIMB5		WMaA18WOKU5		WMaA18SPAL5		WMaA18NANG5		WMaA18PALM5		WMaA18PINN5		WMaA18WANB5	
Variety Name	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
Axe	1.25	59	-	-	1.99	92	0.28	109	0.6	91	1.31	114	0.62	151
Beckom	2.3	108	2.77	112	2.27	105	0.23	90	0.78	117	1.18	103	0.26	64
Chief CL Plus	2.22	105	2.17	87	2.19	102	0.2	78	0.58	88	0.77	67	0.33	79
Cobalt	2.26	107	2.64	106	2.47	115	0.28	109	0.5	75	1.3	113	0.41	99
Corack	1.97	93	1.64	66	1.83	85	0.34	133	0.67	100	1.19	104	0.59	143
Cosmick	1.99	94	2	80	2.38	111	0.23	87	0.7	105	1.34	118	0.39	95
Cutlass	2.25	106	3.43	138	1.86	86	0.18	71	0.53	80	0.96	84	0.2	48
DS Darwin	-	-	2.36	95	2.07	96	0.19	73	0.46	70	1.12	98	0.3	72
DS Pascal	-	-	2.96	119	1.64	76	-	-	-	-	-	-	-	-
Emu Rock	1.65	78	1.53	62	2.23	103	0.34	130	0.76	115	1.36	119	0.5	122
Estoc	2.08	98	2.88	116	2.21	103	0.25	96	0.57	86	1.14	100	0.33	80
Gladius	2.08	98	2.39	96	2.21	102	0.3	117	0.6	91	1.24	109	0.37	91
Grenade CL Plus	1.97	93	1.88	76	2.2	102	0.25	95	0.6	90	1.14	100	0.36	88
Kord CL Plus	2.01	95	2.27	91	2.13	99	0.25	95	0.58	88	1.03	90	0.5	122
LRPB Arrow	2.4	113	2.26	91	2.38	111	0.21	81	0.75	113	0.99	87	0.29	72
LRPB Cobra	1.93	91	2.33	94	1.81	84	0.17	67	0.64	97	0.78	68	0.28	68
LRPB Havoc	1.91	90	1.53	62	1.71	79	0.25	96	0.64	97	1.14	100	0.4	97
LRPB Phantom	-	-	3.02	122	2.05	95	0.21	81	0.48	72	0.95	83	0.27	67
LRPB Scout	2.11	99	2.26	91	2.48	115	0.22	86	0.74	111	1.22	107	0.49	119
LRPB Trojan	2.35	111	3.28	132	2.01	93	0.27	103	0.65	99	1.09	96	0.33	81
Mace	2.2	104	2	81	2.24	104	0.32	125	0.74	112	1.18	103	0.53	128
Razor CL Plus	1.91	90	1.45	58	2.16	100	0.36	138	0.76	115	1.02	89	0.49	118
RGT Zanzibar	-	-	-	-	1.46	68	-	-	-	-	-	-	-	-
Scepter	2.46	116	1.81	73	2.71	126	0.32	124	0.85	128	1.2	105	0.43	105
Sheriff CL Plus	2.26	107	2.82	113	2.47	115	0.19	72	0.62	93	0.97	85	0.3	73
Shield	2.12	100	2.39	96	2.37	110	0.3	115	0.61	92	1.19	104	0.55	133

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Region Nearest Town Crop Type Trial ID Variety Name	Upper EP Kimba Wheat WMAA18KIMB5		Yorke P Wokurna Wheat WMAA18WOKU5		Mid North Spalding Wheat WMAA18SPAL5		Murray Mallee Nangari Wheat WMAA18NANG5		Murray Mallee Palmer Wheat WMAA18PALM5		Murray Mallee Pinnaroo Wheat WMAA18PINN5		Murray Mallee Wanbi Wheat WMAA18WANB5	
	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
Tungsten	-	-	3.13	126	1.82	85	-	-	-	-	-	-	-	-
Vixen	1.84	87	1.57	63	2.25	104	0.35	133	0.83	125	1.43	125	0.63	153
Wallup	1.89	89	2.3	93	2.04	94	0.22	85	0.6	90	1.07	93	0.31	76
Wyalkatchem	2.08	98	2.42	97	2.29	106	0.21	80	0.66	99	1.04	91	0.41	100
Yitpi	2.29	108	3.02	121	2.14	99	0.26	100	0.55	83	1.26	110	0.24	57
Zen	-	-	2.55	103	2.3	107	-	-	-	-	-	-	-	-
Site Mean (t/ha)	2.12		2.48		2.16		0.26		0.66		1.14		0.41	
CV (%)	5.8		12.8		3.78		12.56		17.8		8.54		15.78	
Probability	<0.001		<0.001		<0.001		<0.001		0.0106		<0.001		<0.001	
LSD (t/ha)	0.2	9	0.53	22	0.14	7	0.06	22	0.2	31	0.17	15	0.11	28
Analysis Date	15-Nov-2018		19-Nov-2018		03-Dec-2018		26-Nov-2018		22-Nov-2018		28-Nov-2018		26-Nov-2018	
Sowing Date	05-May-2018		10-May-2018		16-May-2018		07-Jun-2018		11-May-2018		15-May-2018		06-Jun-2018	
Trial Comments	Periodic severe frosting throughout growing season. These trial results should not be used to make variety selection decisions.		Periodic severe frosting throughout growing season. These trial results should not be used to make variety selection decisions.		Caution - results affected by severe frosts in Aug and Sept. These trial results should not be used to make variety selection decisions.		Caution - highly droughted. These trial results should not be used to make variety selection decisions.		Caution - highly variable results affected by severe droughting. These trial results should not be used to make variety selection decisions.		Caution - results affected by severe frosts in Aug and Sept. These trial results should not be used to make variety selection decisions.		Caution - highly droughted, and variable site. These trial results should not be used to make variety selection decisions.	

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Durum Wheat Trial Yield Data

Region	Mid North Spalding Wheat		Yorke P Wokurna Wheat	
Nearest Town	WMDA18SPAL5		WMDA18WOKU5	
Crop Type	WMDA18SPAL5		WMDA18WOKU5	
Trial ID	WMDA18SPAL5		WMDA18WOKU5	
Variety Name	t/ha	%	t/ha	%
Caparoi	1.54	98	2.45	106
DBA Bindaroi	1.5	95	2.2	96
DBA Spes	1.77	112	2.41	105
DBA Vittaroi	1.81	115	2.11	92
DBA-Aurora	1.85	117	2.6	113
Hyperno	1.47	93	2.29	100
Saintly	1.84	116	1.95	85
Tjilkuri	1.49	94	2.47	107
WID802	1.92	122	2.45	107
Site Mean (t/ha)	1.58		2.3	
CV (%)	5.71		6.85	
Probability	<0.001		<0.001	
LSD (t/ha)	0.14	9	0.26	11
Analysis Date	03-Dec-2018		19-Nov-2018	
Sowing Date	16-May-2018		10-May-2018	
Trial Comments	Caution - results affected by severe frosts in Aug and Sept. These trial results should not be used to make variety selection decisions.		Caution - results affected by severe frosts in Aug and Sept. These trial results should not be used to make variety selection decisions.	

2018 Quarantine Report SOUTH AUSTRALIA Barley

Main Barley Trial Yield data

Region Nearest Town Crop Type Trial ID Variety Name	Lower EP Wharminda Barley BMAA18WHAR5		Murray Mallee Paruna Barley BMAA18PARU5	
	t/ha	%	t/ha	%
Alestar	2.58	95	-	-
Banks	3.18	118	0.6	103
Bass	2.39	88	0.64	110
Buff	2.89	107	0.63	109
Commander	3.12	115	0.51	88
Compass	2.66	98	0.9	156
Fathom	2.84	105	0.72	125
Fleet	3	111	0.58	100
Flinders	2.08	77	-	-
Gairdner	2.35	87	-	-
Granger	2.42	90	-	-
Hindmarsh	2.14	79	0.38	65
Keel	1.72	64	1.01	174
La Trobe	2.45	91	0.43	74
Maltstar	2.84	105	-	-
Oxford	3.17	117	0.26	45
RGT Planet	2.73	101	0.33	57
Rosalind	2.51	93	0.79	137
Scope	2.99	111	0.58	100
Spartacus CL	2.21	82	0.48	83
Topstart	3.01	111	-	-
Traveler	2.69	99	0.51	88
Site Mean (t/ha)				
	2.7		0.58	
CV (%)	9.4		38.13	
Probability	<0.001		0.0074	
LSD (t/ha)	0.41	15	0.37	64
Analysis Date	10-Dec-2018		03-Dec-2018	
Sowing Date	11-May-2018		07-Jun-2018	
Trial Comments	Caution - results affected by severe frosts in Aug and Sept. These trial results should not be used to make variety selection decisions		Highly variable site and heavily droughted and frosted. These trial results should not be used to make variety selection decisions	

2018 Quarantine Report SOUTH AUSTRALIA Canola

Imidazoline and Triazine Canola Trial Yield data

Region	Mid North		Murray Mallee		Yorke P		Mid North		Murray Mallee		Yorke P		Yorke P	
Nearest Town	Riverton		Lameroo		Minlaton		Riverton		Lameroo		Arthurton		Minlaton	
Crop Type	Canola		Canola		Canola		Canola		Canola		Canola		Canola	
Trial ID	CMTA18RIVE5		CETA18LAME5		CETA18MINL5		CMIA18RIVE5		CEIA18LAME5		CMIA18ARTH5		CEIA18MINL5	
Variety Name	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
ATR Bonito	1.62	101	0.64	100	1.3	101	-	-	-	-	-	-	-	-
ATR Mako	1.7	106	-	-	-	-	-	-	-	-	-	-	-	-
ATR Stingray	1.58	99	0.63	99	1.01	78	-	-	-	-	-	-	-	-
Banker CL	-	-	-	-	-	-	2.02	130	-	-	-	-	-	-
DG 560TT	1.8	112	-	-	1.32	102	-	-	-	-	-	-	-	-
DG 670TT	1.9	119	-	-	1.35	104	-	-	-	-	-	-	-	-
Hyola 350TT	1.74	109	0.74	115	1.43	111	-	-	-	-	-	-	-	-
Hyola 575CL	-	-	-	-	-	-	1.3	83	0.2	62	1.79	86	1.16	79
Hyola 580CT	1.36	85	-	-	-	-	-	-	-	-	-	-	-	-
Hyola 650TT	1.48	92	-	-	-	-	-	-	-	-	-	-	-	-
HyTTec Trophy	1.8	112	0.75	117	1.1	85	-	-	-	-	-	-	-	-
InVigor T 3510	-	-	0.74	116	1.55	120	-	-	-	-	-	-	-	-
InVigor T 4510	1.8	112	0.41	64	1.53	119	-	-	-	-	-	-	-	-
Pioneer 43Y92 (CL)	-	-	-	-	-	-	1.66	106	0.32	99	-	-	1.46	100
Pioneer 44T02 TT	1.66	104	0.79	124	1.39	107	-	-	-	-	-	-	-	-
Pioneer 44Y90 (CL)	-	-	-	-	-	-	1.85	119	0.31	94	2.35	112	1.6	110
Pioneer 45T03 TT	1.44	90	-	-	1.01	78	-	-	-	-	-	-	-	-
Pioneer 45Y91 (CL)	-	-	-	-	-	-	1.76	113	-	-	2.16	103	-	-
Pioneer 45Y93 CL	-	-	-	-	-	-	-	-	-	-	2.32	111	-	-
Saintly CL	-	-	-	-	-	-	-	-	0.47	144	-	-	-	-

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Region Nearest Town Crop Type Trial ID Variety Name	Mid North Riverton Canola CMTA18RIVE5		Murray Mallee Lameroo Canola CETA18LAME5		Yorke P Minlaton Canola CETA18MINL5		Mid North Riverton Canola CMIA18RIVE5		Murray Mallee Lameroo Canola CEIA18LAME5		Yorke P Arthurton Canola CMIA18ARTH5		Yorke P Minlaton Canola CEIA18MINL5	
	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
SF Ignite TT	1.72	107	-	-	-	-	-	-	-	-	-	-	-	-
SF Turbine TT	1.61	100	0.38	59	1.57	121	-	-	-	-	-	-	-	-
VICTORY V7002CL	-	-	-	-	-	-	-	-	0.5	155	2.11	101	1.7	116
Site Mean (t/ha)	1.6		0.64		1.29		1.56		0.33		2.09		1.46	
CV (%)	5.98		15.24		7.91		6.12		30.59		7.03		7.41	
Probability	<0.001		<0.001		<0.001		<0.001		0.0039		<0.001		<0.001	
LSD (t/ha)	0.16	10	0.16	24	0.16	13	0.15	10	0.15	48	0.23	11	0.16	11
Analysis Date	06-Dec-2018		06-Dec-2018		05-Dec-2018		06-Dec-2018		06-Dec-2018		05-Dec-2018		05-Dec-2018	
Sowing Date	08-May-2018		07-May-2018		11-May-2018		08-May-2018		07-May-2018		09-May-2018		11-May-2018	
Trial Comments	Caution - results affected by preharvest shattering. These trial results should not be used to make variety selection decisions		Caution - highly variable site and heavily droughted. These trial results should not be used to make variety selection decisions		Caution - results affected by preharvest shattering. These trial results should not be used to make variety selection decisions		Caution - results affected by preharvest shattering. These trial results should not be used to make variety selection decisions		Caution - highly variable site and heavily droughted. These trial results should not be used to make variety selection decisions		Caution - trial affected by preharvest shattering. These trial results should not be used to make variety selection decisions		Caution - results affected by preharvest shattering. These trial results should not be used to make variety selection decisions	

2018 Quarantine Report SOUTH AUSTRALIA Faba Beans

Region Nearest Town Crop Type Trial ID Variety Name	Murray Mallee Lameroo Faba Bean FMaA18LAME5 t/ha	%
Farah	0.87	106
Fiesta VF	0.76	93
Nura	0.72	87
PBA Bendoc	0.86	104
PBA Marne	0.92	111
PBA Rana	0.84	102
PBA Samira	0.82	100
PBA Zahra	0.82	100
Site Mean (t/ha)	0.82	
CV (%)	17.09	
Probability	0.9225	
LSD (t/ha)	0.23	28
Analysis Date	21-Nov-2018	
Sowing Date	08-May-2018	
Trial Comments	Highly variable results. These trial results should not be used to make variety selection decisions	

2018 Quarantine Report SOUTH AUSTRALIA Lupins

Region	Murray Mallee	
Nearest Town	Lameroo	
Crop Type	Lupin	
Trial ID	LMNA18LAME5	
Variety Name	t/ha	%
Jenabillup	0.13	93
PBA Bateman	0.17	117
Wonga	0.09	63
Site Mean (t/ha)	0.14	
CV (%)	28.55	
Probability	0.184	
LSD (t/ha)	0.07	47
Analysis Date	14-Dec-2018	
Sowing Date	28-May-2018	
Trial Comments	Trial abandoned due to drought and variability, Jindalee, Mandelup, PBA Barlock, PBA Gunyidi, PBA Jurien omitted from results due to poor germinable seed. These trial results should not be used to make variety selection decisions	

2018 Quarantine Report SOUTH AUSTRALIA Oats

Region	South East	
Nearest Town	Frances	
Crop Type	Oat	
Trial ID	OMaA18FRAN5	
Variety Name	t/ha	%
Bannister	3.07	129
Durack	1.92	81
Kowari	2.34	98
Mitika	2.34	98
Possum	2.43	102
Williams	2.77	116
Wombat	2.82	118
Yallara	1.63	69
Site Mean (t/ha)	2.38	
CV (%)	24.87	
Probability	0.2019	
LSD (t/ha)	1.05	44
Analysis Date	20-Dec-2018	
Sowing Date	24-May-2018	
Trial Comments	Trial with very high variability and high P-value of 0.2 indicating low significance of a variety affect. These trial results should not be used to make variety selection decisions	