



## 2018 INTERIM QUARANTINE REPORT

### Western Australia

# DO NOT REPRODUCE, REPLICATE OR COPY

## 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.

Contents

Important Information for Quarantined (Unreleased but not abandoned) Trials.....2

Contents.....3

Table 1: 2018 Western Australia Unreleased Trials for Barley, Field Peas and Wheat.....4

2018 Quarantine Report Western Australia Wheat .....5

    Main Wheat Trial Yield data.....5

    Early Wheat Trial Yield data .....7

2018 Quarantine Report Western Australia Barley .....8

    Main Barley Trial Yield data.....8

2018 Quarantine Report Western Australia Field Pea.....9

# DO NOT REPRODUCE, REPLICATE OR COPY

**Table 1: 2018 Western Australia Unreleased Trials for Barley, Field Peas and Wheat**

State	Site Description	Crop	Trial Code	Sowing Date	Harvest Date	Site Mean Yield	CV Value
<b>WA</b>	Lake Grace	Barley	BMaA18GRAC6	11-Jun-18	07-Dec-18	0.39	26.64
<b>WA</b>	Holt Rock	Field Pea	PMaA18HOLT6	03-Jun-18	28-Nov-18	0.56	30.06
<b>WA</b>	Kalannie	Wheat	WEaA18KALA6	25-May-18	19-Nov-18	3.93	3.66
<b>WA</b>	Eneabba	Wheat	WEaA18ENEA6	25-May-18	14-Nov-18	3.59	5.25
<b>WA</b>	Bolgart	Wheat	WMaA18BOLG6	25-May-18	24-Nov-18	4.54	4.89
<b>WA</b>	Moorine Rock	Wheat	WMaA18MORK6	25-May-18	27-Nov-18	0.59	15.57
<b>WA</b>	Hyden	Wheat	WEaA18HYDE6	19-Apr-18	04-Dec-18	1.36	11.35
<b>WA</b>	Lake Grace	Wheat	WMaA18GRAC6	11-Jun-18	07-Dec-18	0.22	32.03
<b>WA</b>	Gnowangerup	Wheat	WMaA18GNOW6	30-May-18	11-Dec-18	2.63	5.43
<b>WA</b>	York	Wheat	WEaA18YORK6	25-May-18	10-Dec-18	4.46	4.09
<b>WA</b>	Kojonup	Wheat	WMaA18KOJO6	28-May-18	14-Dec-18	3.00	9.02
<b>WA</b>	Kulin	Wheat	WMaA18KULI6	27-May-18	18-Dec-18	1.37	9.09
<b>WA</b>	Narrogin	Wheat	WEaA18NAGN6	28-Apr-18	17-Dec-18	2.48	21.86

# DO NOT REPRODUCE, REPLICATE OR COPY

## 2018 Quarantine Report Western Australia Wheat

### Main Wheat Trial Yield data

Region Nearest Town Crop Type Trial ID Variety Name	Agzone2 Kulin Wheat WMaA18KULI6		Agzone2 Bolgart Wheat WMaA18BOLG6		Agzone4 Moorine Rock Wheat WMaA18MORK6		Agzone3 Gnowangerup Wheat WMaA18GNOW6		Agzone3 Kojonup Wheat WMaA18KOJO6		Agzone5 Lake Grace Wheat WMaA18GRAC6	
	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
Beckom	-	-	-	-	-	-	3.28	124	3.43	114	-	-
Bremer	1.67	122	4.38	97	0.22	38	2.21	84	3.09	103	0.12	53
Calingiri	1.86	136	4.71	104	0.2	34	2.55	97	3.16	105	0.17	77
Chief CL Plus	1.68	122	4.39	97	0.49	83	2.92	111	3.06	102	0.23	104
Corack	0.65	47	4.13	91	0.85	146	2.55	97	3.01	100	0.4	183
Cutlass	2.51	183	5.74	127	0.13	22	3.11	118	3.52	117	0.12	54
Devil	0.91	67	5.47	121	1.05	178	3.09	117	3.52	117	0.28	126
DS Pascal	-	-	-	-	-	-	2.19	83	2.61	87	-	-
Emu Rock	0.6	44	2.51	55	1.16	197	1.71	65	1.26	42	0.48	218
Grenade CL Plus	0.95	70	3.61	79	0.56	96	2.06	78	3.1	103	0.25	113
Harper	2.15	157	4.35	96	0.4	69	2.91	110	3.08	103	0.1	46
Hydra	1.83	134	4.79	106	0.22	38	2.95	112	3.56	119	0.12	55
Impress CL Plus	0.54	39	2.98	66	0.4	68	1.55	59	1.56	52	0.18	81
Kinsei	2.07	151	5.53	122	0.18	31	2.84	108	3.02	100	0.22	100
LRPB Cobra	0.54	39	4.92	108	0.39	67	1.55	59	1.62	54	0.04	20
LRPB Havoc	0.49	36	4.51	99	0.8	137	2.53	96	2.74	91	0.15	69
LRPB Oryx	0.93	68	3.12	69	0.82	139	2.62	100	3.04	101	-	-
LRPB Trojan	1.36	99	5.11	113	0.26	44	3.05	116	3.6	120	0.14	63
Mace	0.89	65	4.61	102	1.08	184	2.75	104	3.1	103	0.2	91
Magenta	2.43	177	5.46	120	0.18	31	2.64	100	3.03	101	0.21	94
Ninja	1.86	136	4.73	104	0.42	71	2.84	108	3.11	103	0.32	146
Razor CL Plus	0.78	57	3.86	85	0.93	159	2.97	113	2.88	96	0.19	84
Scepter	1.34	98	5.07	112	0.82	140	3.05	116	3.2	106	0.25	115
Supreme	1.5	110	3.41	75	0.5	86	2.65	101	2.83	94	0.29	131
Titanium	-	-	-	-	-	-	2.69	102	3.37	112	0.27	122
Tungsten	-	-	-	-	-	-	2.61	99	3.24	108	-	-



# DO NOT REPRODUCE, REPLICATE OR COPY

Region Nearest Town Crop Type Trial ID Variety Name	Agzone2 Kulin Wheat		Agzone2 Bolgart Wheat		Agzone4 Moorine Rock Wheat		Agzone3 Gnowangerup Wheat		Agzone3 Kojonup Wheat		Agzone5 Lake Grace Wheat	
	WMAA18KULI6 t/ha	%	WMAA18BOLG6 t/ha	%	WMAA18MORK6 t/ha	%	WMAA18GNOW6 t/ha	%	WMAA18KOJO6 t/ha	%	WMAA18GRAC6 t/ha	%
Vixen	0.66	48	2.77	61	1.39	237	2.02	77	2.85	95	0.66	299
Wedin	1.96	143	4.21	93	0.29	50	3.12	119	3.85	128	-	-
Westonia	-	-	-	-	0.64	108	-	-	-	-	-	-
Wyalkatchem	1.49	109	4.21	93	0.44	75	2.41	91	2.6	86	0.2	90
Yitpi	2.03	148	5	110	0.17	30	2.84	108	3.27	109	0.14	62
Zen	1.82	132	4.39	97	0.36	61	2.42	92	2.67	89	0.25	113
Zircon	-	-	-	-	-	-	-	-	-	-	0.2	91
<b>Site Mean (t/ha)</b>	1.37		4.54		0.59		2.63		3		0.22	
CV (%)	9.09		4.89		15.57		5.43		9.02		32.03	
Probability	<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
LSD (t/ha)	0.21	16	0.37	8	0.16	27	0.23	9	0.47	16	0.12	56
Analysis Date	20-Dec-2018		28-Nov-2018		03-Dec-2018		13-Dec-2018		20-Dec-2018		11-Dec-2018	
Date Seed In Ground	-		16-May-2018		19-May-2018		-		-		-	
Sowing Date/ Germination Rain Date	27-May-2018		25-May-2018		25-May-2018		30-May-2018		28-May-2018		11-Jun-2018	
Trial Comments	Results quarantined due to severe frost damage. These trial results should not be used to make variety selection decisions		Trial quarantined due to likely frosting on some of the early maturing varieties. These trial results should not be used to make variety selection decisions		Results quarantined due to drought, possible frost damage, and a high CV which indicates variability in the trial. These trial results should not be used to make variety selection decisions		Trial quarantined due to likely frosting on some of the early maturing varieties. These trial results should not be used to make variety selection decisions		Trial quarantined due to competition from ryegrass and frost damage on early maturing varieties. These trial results should not be used to make variety selection decisions		Results quarantined due to severe drought, frost damage, and high CV which indicates variability in the trial. These trial results should not be used to make variety selection decisions	

# DO NOT REPRODUCE, REPLICATE OR COPY

## Early Wheat Trial Yield data

Region Nearest Town Crop Type	Agzone5 Hyden Wheat		Agzone2 Eneabba Wheat		Agzone3 York Wheat		Agzone3 Narrogin Wheat		Agzone4 Kalannie Wheat	
Trial ID	WEaA18HYDE6		WEaA18ENEa6		WEaA18YORK6		WEaA18NAGN6		WEaA18KALA6	
Variety Name	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
Beckom	1.01	75	3.81	106	5.22	117	1.25	50	4.23	108
Bremer	0.96	70	3.9	108	5.27	118	1.56	63	4.28	109
Coolah	1.19	87	3.05	85	3.89	87	1.76	71	3.82	97
Cutlass	1.87	138	4.17	116	4.81	108	3.13	126	4.46	114
DS Pascal	1.22	89	3.96	110	4.26	96	2.8	113	4.17	106
EGA Wedgetail	1.45	107	2.74	76	3.57	80	3.13	127	3.06	78
Forrest	1.54	114	3.23	90	4.08	91	2.98	120	2.93	75
Illabo	1.43	105	3.42	95	3.84	86	3.47	140	3.17	81
Kinsei	0.99	73	3.92	109	5.34	120	2.35	95	4.93	125
Longsword	1.11	82	3.75	104	4.32	97	3.43	138	3.55	90
LRPB Kittyhawk	1.93	142	2.51	70	3.3	74	2.89	117	3.49	89
LRPB Trojan	1.42	105	4.46	124	5.19	116	1.64	66	3	76
Magenta	1.37	101	3.91	109	4.68	105	0.9	36	4.57	116
Scepter	1.01	75	3.89	108	5.58	125	0.53	21	4.55	116
Titanium	1.98	146	3.64	101	4.45	100	2.66	108	4.28	109
Yitpi	1.68	124	3.73	104	4.95	111	2.4	97	3.87	98
Zircon	1.32	97	3.65	102	4.59	103	2.9	117	4.4	112
<b>Site Mean (t/ha)</b>	1.36		3.59		4.46		2.48		3.93	
CV (%)	11.35		5.25		4.09		21.86		3.66	
Probability	<0.001		<0.001		<0.001		<0.001		<0.001	
LSD (t/ha)	0.26	19	0.33	9	0.31	7	0.88	35	0.24	6
<b>Analysis Date</b>	05-Dec-2018		26-Nov-2018		19-Dec-2018		21-Dec-2018		22-Nov-2018	
<b>Germination date</b>	19-Apr-2018		25-May-2018		25-May-2018		28-Apr-2018		25-May-2018	
<b>Trial Comments</b>	Trial quarantined due to frost damage on the earlier maturing varieties in the trial. These trial results should not be used to make variety selection decisions		Trial sown outside sowing window for early sowing trial, 25th May. These trial results should not be used to make variety selection decisions		Trial sown outside sowing window for early sowing trial, 25th May. These trial results should not be used to make variety selection decisions		Results quarantined due to frost damage on the earlier maturing varieties in the trial, and high CV, which indicates variability in the trial. These trial results should not be used to make variety selection decisions		Trial sown outside sowing window for early sowing trial, 25th May. These trial results should not be used to make variety selection decisions	

## 2018 Quarantine Report Western Australia Barley

## Main Barley Trial Yield data

Region Nearest Town Crop Type Trial ID Variety Name	Agzone5 Lake Grace Barley BMAA18GRAC6 t/ha	%
Banks	0.23	59
Bass	0.1	27
Baudin	0.35	89
Bottler	0.27	70
Buff	0.53	138
Commander	0.19	50
Compass	0.38	99
Explorer	0.14	36
Fathom	0.83	214
Flinders	0.33	84
Granger	0.19	50
La Trobe	0.71	182
Lockyer	0.19	49
Maltstar	0.21	55
Mundah	1.04	268
Oxford	0.14	35
RGT Planet	0.26	66
Rosalind	0.52	135
Spartacus CL	0.86	222
Traveler	0.24	61
<b>Site Mean (t/ha)</b>	0.39	
CV (%)	26.64	
Probability	<0.001	
LSD (t/ha)	0.18	47
Analysis Date	12-Dec-2018	
Sowing Date	11-Jun-2018	
Trial Comments	Trial quarantined due to severe drought, frost damage and high CV which indicates variability in the trial. These trial results should not be used to make variety selection decisions	



## 2018 Quarantine Report Western Australia Field Pea

Region Nearest Town Crop Type Trial ID Variety Name	Agzone5 Holt Rock Field Pea PMaA18HOLT6 t/ha	%
Kaspa	0.66	119
Parafield	0.2	35
PBA Butler	0.63	113
PBA Gonyah	0.58	103
PBA Oura	0.41	73
PBA Pearl	0.26	46
PBA Percy	0.22	39
PBA Twilight	0.58	105
PBA Wharton	0.54	96
<b>Site Mean (t/ha)</b>	0.56	
CV (%)	30.06	
Probability	0.004	
LSD (t/ha)	0.28	50
<b>Analysis Date</b>	19-Dec-2018	
<b>Sowing Date</b>	03-Jun-2018	
<b>Trial Comments</b>	Not released to public due to a CV of 30%, which means there was high variability in the trial. Kangaroo damage was noted in the lead up to harvest. These trial results should not be used to make variety selection decisions	