

DO NOT REPRODUCE, REPLICATE OR COPY



2019 QUARANTINE REPORT

Western Australia

DO NOT REPRODUCE, REPLICATE OR COPY

Contents

Important Information for Quarantined (Harvested but not released) Trials	3
Table 1: 2019 Western Australia Unreleased Trials.	4
2019 Quarantine Report Western Australia Wheat.	5
Main Wheat Trial Yield data.	5
Early Wheat Trial Yield Data.	7
2019 Quarantine Report Western Australia Barley.	8
Barley Trial Yield data.	8
2019 Quarantine Report Western Australia Canola.	9
Imidazolinone Canola Trial Yield data.	9
Triazine Canola Trial Yield data.	10
Roundup Ready Canola Trial Yield data.	11
2019 Quarantine Report Western Australia Field Pea	12
Field Pea Trial Yield data.	12
2019 Quarantine Report Western Australia Lupin	13
Lupin Trial Yield data.	13

DO NOT REPRODUCE, REPLICATE OR COPY

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 Canola.

DO NOT REPRODUCE, REPLICATE OR COPY

Table 1: 2019 Western Australia Unreleased Trials.

STATE	Site Description	Name	Trial Code	Sowing Date	Harvest Date	Site Mean Yield	CV Value
WA	Scaddan	Barley	BMAA19SCAD6	10-May-19	09-Nov-19	0.73	22.42
WA	Eradu	Barley	BMAA19ERAD6	07-Jun-19	10-Nov-19	0.11	31.87
WA	Jerramungup	Canola	CEIA19JERR6	16-Apr-19	29-Oct-19	0.56	11.78
WA	Jerramungup	Canola	CERA19JERR6	16-Apr-19	28-Oct-19	0.65	8.78
WA	Jerramungup	Canola	CETA19JERR6	16-Apr-19	29-Oct-19	0.44	13.05
WA	Kendenup	Canola	CMRA19KEND6	24-Apr-19	09-Nov-19	3.13	7.01
WA	Nyabing	Canola	CERA19NYAB6	30-Apr-19	14-Nov-19	1.05	16.52
WA	Scaddan	Canola	CMTA19SCAD6	07-May-19	07-Nov-19	0.84	9.77
WA	Mingenew	Canola	CEIB19MING6	07-Jun-19	31-Oct-19	0.63	12.62
WA	Mingenew	Canola	CERB19MING6	07-Jun-19	31-Oct-19	0.93	8.14
WA	Mingenew	Canola	CETB19MING6	07-Jun-19	31-Oct-19	0.52	14.55
WA	Kellerberrin	Canola	CERA19KELL6	07-Jun-19	06-Nov-19	1.35	6.53
WA	Grass Patch	Field Pea	PMaA19GRAS6	14-Jun-19	29-Nov-19	0.25	16.92
WA	Jerramungup	Lupin	LMNA19JERR6	16-Apr-19	15-Nov-19	0.26	21.25
WA	Merredin	Lupin	LMNA19MERR6	07-Jun-19	07-Nov-19	0.30	15.31
WA	Mingenew	Lupin	LMNB19MING6	07-Jun-19	31-Oct-19	0.37	17.64
WA	Kojonup	Wheat	WEaA19KOJO6	05-Apr-19	08-Dec-19	3.51	7.82
WA	Stirlings South	Wheat	WEaA19ST.S6	12-Apr-19	03-Dec-19	2.74	12.45
WA	Kendenup	Wheat	WMaA19KEND6	07-May-19	05-Dec-19	3.01	11.66
WA	Munglinup	Wheat	WMaA19MUNG6	09-May-19	12-Nov-19	2.38	4.16
WA	Stirlings South	Wheat	WMaA19ST.S6	20-May-19	03-Dec-19	4.19	5.78
WA	Salmon Gums	Wheat	WMaA19SALM6	30-May-19	27-Nov-19	0.10	36.42
WA	Eradu	Wheat	WMaA19ERAD6	07-Jun-19	10-Nov-19	0.33	18.08
WA	Carnamah	Wheat	WMaA19CARN6	07-Jun-19	03-Dec-19	0.51	17.91

DO NOT REPRODUCE, REPLICATE OR COPY

2019 Quarantine Report Western Australia Wheat.

Main Wheat Trial Yield data.

Region	Agzone1		Agzone1		Agzone3		Agzone5		Agzone6		Agzone6	
Nearest Town	Carnamah		Eradu		Kendenup		Salmon Gums		Munglinup		Stirlings South	
Crop Type	Wheat		Wheat		Wheat		Wheat		Wheat		Wheat	
Trial ID	WMAA19CARN6		WMAA19ERAD6		WMAA19KEND6		WMAA19SALM6		WMAA19MUNG6		WMAA19ST.S6	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
Bremer	0.60	118	0.27	84	-	-	0.04	38	2.34	98	3.98	95
Calingiri	0.38	74	0.26	79	3.29	109	0.07	69	2.14	90	4.05	97
Catapult	0.78	153	0.38	115	3.59	119	0.08	76	2.83	119	4.93	118
Chief CL Plus	0.64	125	0.27	82	3.54	118	0.03	26	2.49	105	4.87	116
Corack	0.55	107	0.35	107	2.57	85	0.21	206	1.98	83	4.01	96
Cutlass	0.50	97	0.22	66	3.25	108	0.06	60	2.75	115	4.15	99
Devil	0.50	97	0.40	123	3.59	119	0.11	105	2.55	107	4.96	118
DS Pascal	-	-	-	-	2.93	97	-	-	2.39	100	4.32	103
EG Jet	-	-	-	-	3.03	101	0.04	41	1.98	83	3.87	92
Emu Rock	0.47	91	0.31	94	1.59	53	0.38	377	2.12	89	2.30	55
Hydra	0.60	117	0.31	96	3.18	106	0.03	33	2.19	92	3.85	92
Kinsei	0.55	108	0.29	88	3.74	124	0.05	55	2.62	110	4.99	119
LRPB Cobra	0.39	76	0.26	80	2.31	77	0.01	11	2.25	94	4.28	102
LRPB Havoc	0.54	106	0.29	89	2.48	82	0.07	70	1.99	84	4.14	99
LRPB Nyala	0.27	52	0.36	109	2.67	89	0.06	59	2.22	93	3.58	86
LRPB Oryx	-	-	-	-	2.45	81	-	-	-	-	-	-
LRPB Trojan	0.44	86	0.29	89	3.05	101	0.03	33	2.64	111	4.07	97
Mace	0.60	117	0.33	101	3.12	104	0.11	108	2.28	96	4.40	105
Magenta	0.47	92	0.35	106	2.83	94	0.06	59	2.45	103	3.68	88
Ninja	0.46	89	0.32	99	3.86	128	0.03	30	2.78	117	4.90	117
Razor CL Plus	0.47	91	0.40	122	2.21	73	0.08	78	1.99	84	4.24	101
RockStar	0.69	134	0.28	85	3.67	122	0.02	18	2.72	114	5.42	129
Scepter	0.44	85	0.34	105	3.66	121	0.10	99	2.46	103	4.76	114
Sheriff CL Plus	0.60	117	0.33	100	3.87	128	0.03	29	2.54	106	4.79	115
Supreme	0.51	100	0.39	119	2.11	70	0.06	61	2.22	93	2.76	66

DO NOT REPRODUCE, REPLICATE OR COPY

Region	Agzone1		Agzone1		Agzone3		Agzone5		Agzone6		Agzone6	
Nearest Town	Carnamah		Eradu		Kendenup		Salmon Gums		Munglinup		Stirlings South	
Crop Type	Wheat		Wheat		Wheat		Wheat		Wheat		Wheat	
Trial ID	WMAA19CARN6		WMAA19ERAD6		WMAA19KEND6		WMAA19SALM6		WMAA19MUNG6		WMAA19ST.S6	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
Tungsten	-	-	-	-	3.08	102	-	-	2.29	96	4.03	96
Vixen	0.50	97	0.40	122	2.62	87	0.40	394	2.24	94	4.00	96
Wedin	-	-	-	-	3.17	105	-	-	-	-	-	-
Westonia	0.16	32	0.37	114	-	-	-	-	-	-	-	-
Wyalkatchem	0.71	138	0.34	102	3.21	107	0.05	55	2.35	99	4.47	107
Yitpi	0.47	91	0.32	99	2.68	89	0.06	64	2.42	102	3.41	81
Zen	0.53	103	0.34	105	3.88	129	0.02	22	2.63	111	4.50	108
Site Mean (t/ha)	0.51		0.33		3.01		0.10		2.38		4.19	
CV (%)	17.91		18.08		11.66		36.42		4.16		5.78	
Probability	<0.001		0.02		<0.001		<0.001		<0.001		<0.001	
LSD (t/ha)	0.17		0.10		0.58		0.06		0.17		0.41	
Analysis Date	09/12/2019		15/11/2019		09/12/2019		02/12/2019		14/11/2019		09/12/2019	
Sowing Date	07/06/2019		07/06/2019		07/05/2019		30/05/2019		09/05/2019		20/05/2019	
Trial Comments	This trial was damaged by sheep prior to harvest. These trial results should not be used to make variety selection decisions.		This trial has a CV greater than 15% indicating high variability across the trial due to drought. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.		This trial has a CV greater than 15% and a very low yield indicating high variability across the trial, and a very low yield due to drought. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.	

DO NOT REPRODUCE, REPLICATE OR COPY

Early Wheat Trial Yield Data.

Region	Agzone3		Agzone6	
Nearest Town	Kojonup		Stirlings South	
Crop Type	Wheat		Wheat	
Trial ID	WEaA19KOJO6		WEaA19ST.S6	
Variety Name	tonnes/ha	%	tonnes/ha	%
Bremer	1.58	45	2.15	79
BSWDH08 - 139	-	-	-	-
BSWDH10 - 173	-	-	-	-
Catapult	2.22	63	2.82	103
Cutlass	4.07	116	2.37	87
DS Bennett	4.67	133	3.64	133
DS Pascal	3.86	110	1.56	57
EG Jet	3.96	113	2.06	75
EGA Wedgetail	4.53	129	3.16	115
Forrest	3.46	98	3.04	111
Illabo	5.49	156	3.64	133
Kinsei	3.01	86	2.86	104
Longsword	5.48	156	4.01	146
LRPB Nighthawk	4.79	136	2.96	108
LRPB Trojan	2.71	77	1.82	67
Magenta	2.16	61	2.30	84
RockStar	1.92	55	3.31	121
Scepter	2.46	70	3.22	117
Sheriff CL Plus	2.72	77	2.26	83
Titanium	3.14	89	2.16	79
Yitpi	4.29	122	2.11	77
Site Mean (t/ha)	3.51		2.74	
CV (%)	7.82		12.45	
Probability	<0.001		<0.001	
LSD (t/ha)	0.47		0.57	
Analysis Date	13/12/2019		09/12/2019	
Sowing Date	05/04/2019		12/04/2019	
Trial Comments	WARNING: THIS TRIAL WAS AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. This trial was grazed by sheep at the tillering stage. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.	

2019 Quarantine Report Western Australia Barley.

Barley Trial Yield data.

Region	Agzone1		Agzone5	
Nearest Town	Eradu		Scaddan	
Crop Type	Barley		Barley	
Trial ID	BMA19ERAD6		BMA19SCAD6	
Variety Name	tonnes/ha	%	tonnes/ha	%
Alestar	0.11	97	0.71	98
Banks	0.16	151	1.08	148
Bass	0.08	71	0.60	82
Baudin	-	-	0.55	75
Biere	0.09	80	-	-
Bottler	0.16	147	0.79	108
Buff	0.11	102	0.67	91
Commander	0.06	58	0.89	122
Compass	0.14	128	0.43	58
Fathom	0.11	105	0.60	82
Flinders	0.10	92	0.58	80
Granger	0.10	91	0.57	78
La Trobe	0.09	87	0.40	55
Leabrook	0.07	66	0.47	64
Litmus	0.10	94	-	-
Lockyer	0.13	121	1.20	164
Mundah	0.10	97	0.35	48
Oxford	-	-	0.97	133
RGT Planet	0.08	76	0.59	81
Rosalind	0.21	193	0.61	83
Scope	0.13	120	-	-
Spartacus CL	0.11	103	0.49	68
Site Mean (t/ha)	0.11		0.73	
CV (%)	31.87		22.42	
Probability	0.00		<0.001	
LSD (t/ha)	0.06		0.27	
Analysis Date	15/11/2019		25/11/2019	
Sowing Date	07/06/2019		10/05/2019	
Trial Comments	This trial has a CV greater than 15% indicating high variability across the trial due to drought. These trial results should not be used to make variety selection decisions		WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.	

2019 Quarantine Report Western Australia Canola.

Imidazolinone Canola Trial Yield data.

Region	Agzone1		Agzone5	
Nearest Town	Mingenew		Jerramungup	
Crop Type	Canola		Canola	
Trial ID	CEIB19MING6		CEIA19JERR6	
Variety Name	tonnes/ha	%	tonnes/ha	%
Hyola 575CL	0.61	98	0.43	77
Pioneer 43Y92 (CL)	0.72	114	0.56	100
Pioneer 44Y90 (CL)	0.68	108	0.63	113
Pioneer 45Y93 CL	-	-	0.70	124
Saintly CL	0.73	117	-	-
VICTORY V7002CL	0.66	105	0.32	57
Site Mean (t/ha)	0.63		0.56	
CV (%)	12.62		11.78	
Probability	0.61		<0.001	
LSD (t/ha)	0.13		0.10	
Analysis Date	13/11/2019		31/10/2019	
Sowing Date	07/06/2019		16/04/2019	
Trial Comments	This trial not to be released due to variability and poor establishment. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.	

Triazine Canola Trial Yield data.

Region	Agzone1		Agzone5		Agzone5	
Nearest Town	Mingenew		Jerramungup		Scaddan	
Crop Type	Canola		Canola		Canola	
Trial ID	CETB19MING 6		CETA19JERR6		CMTA19SCAD 6	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
ATR Bonito	0.36	70	0.21	48	0.84	100
ATR Stingray	-	-	0.44	100	0.61	73
BASF 3000 TR	0.52	100	-	-	-	-
DG 670TT	-	-	-	-	0.90	107
Hyola 350TT	0.57	110	0.36	82	0.72	86
Hyola 550TT	0.67	128	0.45	102	0.93	111
HyTTec Trident	0.67	128	0.42	95	1.01	121
HyTTec Trophy	0.63	121	0.57	130	0.98	117
InVigor T 3510	0.58	111	0.38	86	-	-
InVigor T 4510	0.64	124	0.37	84	0.92	110
Pioneer 44T02 TT	0.55	105	0.36	82	-	-
SF Ignite TT	-	-	-	-	0.87	104
SF Spark TT	0.54	104	0.58	133	-	-
Site Mean (t/ha)	0.52		0.44		0.84	
CV (%)	14.55		13.05		9.77	
Probability	<0.001		<0.001		<0.001	
LSD (t/ha)	0.13		0.09		0.14	
Analysis Date	13/11/2019		31/10/2019		08/11/2019	
Sowing Date	07/06/2019		16/04/2019		07/05/2019	
Trial Comments	This trial not to be released due to variability and poor establishment. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.		This trial not to be released due to variability and poor establishment. These trial results should not be used to make variety selection decisions.	

DO NOT REPRODUCE, REPLICATE OR COPY

Roundup Ready Canola Trial Yield data.

Region	Agzone1		Agzone2		Agzone4		Agzone5		Agzone3	
Nearest Town	Mingenew		Nyabing		Kellerberrin		Jerramungup		Kendup	
Crop Type	Canola		Canola		Canola		Canola		Canola	
Trial ID	CERB19MING6		CERA19NYAB6		CERA19KELL6		CERA19JERR6		CMRA19KEND6	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
DG 408RR	-	-	1.20	114	-	-	0.68	104	-	-
Hyola 404RR	1.07	115	0.82	78	1.26	93	0.29	45	2.06	66
Hyola 410XX	1.07	115	0.95	90	1.25	93	0.51	78	2.76	88
Hyola 506RR	-	-	1.08	103	-	-	-	-	-	-
Hyola 540XC	0.96	104	-	-	-	-	-	-	2.34	75
InVigor R 3520	0.92	99	1.11	106	1.39	103	0.55	85	-	-
InVigor R 4022P	0.96	103	1.09	104	1.50	111	0.53	81	2.87	92
InVigor R 5520P	-	-	-	-	-	-	-	-	3.00	96
Nuseed GT-53	-	-	1.09	104	-	-	0.73	113	3.36	107
Pioneer 43Y23 (RR)	0.91	98	0.91	87	1.33	99	-	-	-	-
Pioneer 43Y29 RR	0.99	107	1.41	134	1.25	93	0.76	117	3.83	122
Pioneer 44Y27 (RR)	0.99	107	1.11	105	1.35	100	0.48	74	2.95	94
Pioneer 45Y25 (RR)	-	-	-	-	-	-	0.74	114	3.83	122
VICTORY V5003RR	-	-	-	-	-	-	-	-	3.00	96
Xseed Raptor	1.19	128	1.18	112	1.37	101	0.82	126	3.00	96
Site Mean (t/ha)	0.93		1.05		1.35		0.65		3.13	
CV (%)	8.14		16.52		6.53		8.78		7.01	
Probability	<0.001		0.04		0.01		<0.001		<0.001	
LSD (t/ha)	0.13		0.30		0.15		0.09		0.35	
Analysis Date	13/11/2019		17/12/2019		21/11/2019		31/10/2019		13/11/2019	
Sowing Date	07/06/2019		30/04/2019		07/06/2019		16/04/2019		24/04/2019	
Trial Comments	This trial not to be released due to variability and poor establishment. These trial results should not be used to make variety selection decisions		This trial has a CV greater than 15% indicating high variability across the trial. These trial results should not be used to make variety selection decisions		Trial not to be released due to severe patchiness caused by possible sandblasting. These trial results should not be used to make variety selection decisions		WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.		This trial not to be released due to high levels of Sclerotinia, which may have affected some varieties more than others. These trial results should not be used to make variety selection decisions	

2019 Quarantine Report Western Australia Field Pea

Field Pea Trial Yield data.

Region	Agzone5	
Nearest Town	Grass Patch	
Crop Type	Field Pea	
Trial ID	PMaA19GRAS6	
Variety Name	tonnes/ha	%
Kaspa	0.26	105
Parafield	0.16	64
PBA Butler	0.16	64
PBA Gunyah	0.29	116
PBA Oura	0.29	115
PBA Pearl	0.32	127
PBA Percy	0.29	116
PBA Twilight	0.30	120
PBA Wharton	0.29	116
Site Mean (t/ha)	0.25	
CV (%)	16.92	
Probability	<0.001	
LSD (t/ha)	0.07	
Analysis Date	04/12/2019	
Sowing Date	14/06/2019	
Trial Comments	This trial has a CV greater than 15% indicating high variability across the trial. These trial results should not be used to make variety selection decisions.	

DO NOT REPRODUCE, REPLICATE OR COPY

2019 Quarantine Report Western Australia Lupin

Lupin Trial Yield data.

Region	Agzone1		Agzone6		Agzone7	
Nearest Town	Mingenew		Jerramungup		Merredin	
Crop Type	Lupin		Lupin		Lupin	
Trial ID	LMNB19MING6		LMNA19JERR6		LMNA19MERR6	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
Coromup	0.50	135	0.31	120	0.26	88
Coyote	0.44	120	0.16	60	0.33	112
Mandelup	0.22	61	0.25	97	0.24	81
PBA Barlock	0.14	39	0.31	118	0.23	79
PBA Bateman	0.47	128	0.32	124	0.31	103
PBA Gunyidi	0.46	125	0.29	112	0.35	118
PBA Jurien	0.32	87	0.31	120	0.34	113
PBA Leeman	0.28	76	0.14	54	0.25	85
Wonga	0.20	53	0.34	131	0.22	75
Site Mean (t/ha)	0.37		0.26		0.30	
CV (%)	17.64		21.25		15.31	
Probability	<0.001		0.03		0.00	
LSD (t/ha)	0.10		0.09		0.08	
Analysis Date	12/11/2019		25/11/2019		12/11/2019	
Sowing Date	07/06/2019		16/04/2019		07/06/2019	
Trial Comments	This trial has a CV greater than 15% indicating high variability across the trial. These trial results should not be used to make variety selection decisions.		WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST. Frost will affect varieties differently and trial results will be unreliable and not a true reflection of variety performance or ranking. These trial results should not be used to make variety selection decisions.		This trial has a CV greater than 15% indicating high variability across the trial. These trial results should not be used to make variety selection decisions.	