

2020 QUARANTINE REPORT



VICTORIA

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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 Australian

Photo: Courtesy Living Farm.

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Table 1: 2020 Victoria Unreleased Trials.

Site Description	Name	Trial Code	Sowing Date	Harvest Date	Site Mean Yield	CV Value	P Value
Lake Bolac	Canola	CMIA20LAKE3	15-Apr-20	19-Dec-20	3.48	5.90	<0.001
Lake Bolac	Canola	CMGA20LAKE3	14-Apr-20	19-Dec-20	3.43	5.91	<0.001
Lake Bolac	Canola	CMTA20LAKE3	14-Apr-20	19-Dec-20	3.49	5.81	<0.001
Ultima	Canola	CEIA20ULTI3	24-Apr-20	09-Nov-20	0.77	10.78	0.029
Ultima	Canola	CEGA20ULTI3	24-Apr-20	09-Nov-20	1.33	5.53	0.01
Ultima	Canola	CETA20ULTI3	24-Apr-20	09-Nov-20	1.14	6.43	<0.001
Rainbow	Chickpea	DMKA20RAIN3	23-May-20	09-Dec-20	1.46	6.46	0.22
Rainbow	Field Pea	PMaA20RAIN3	22-May-20	30-Nov-20	1.11	22.88	0.03
Walpeup	Lupin	LMNA20WALP3	28-Apr-20	17-Nov-20	1.40	11.07	0.17

2020 Quarantine Report Victoria Canola.

Table 2: Imidazolinone Canola Trial Yield data.

Region	Mallee		South West	
Locality	Ultima		Lake Bolac	
Trial ID	CEIA20ULTI3		CMIA20LAKE3	
Variety Name	tonnes/ha	% Site Mean	tonnes/ha	% Site Mean
Pioneer 43Y92 (CL)	0.81	105	-	-
Pioneer 44Y90 (CL)	0.83	108	-	-
Pioneer 44Y94 CL	-	-	4.00	115
Pioneer 45Y91 (CL)	-	-	3.36	96
Pioneer 45Y93 CL	-	-	3.83	110
VICTORY V7002CL	0.67	87	-	-
VICTORY V75-03CL	-	-	3.05	88
Site Mean (t/ha)	0.77	100	3.48	100
CV (% Site Mean)	10.78		5.90	
Probability	0.03		<0.001	
LSD (t/ha)	0.13		0.28	
Sowing Date	24-Apr-2020		15-Apr-2020	
Trial Comments	Trial affected by severe bird damage. These trial results should not be used to make variety selection decisions.		Trial not released due to early weed competition and high pre harvest shattering. Treat results with caution. These trial results should not be used to make variety selection decisions.	

Table 3: Triazine Canola Trial Yield data.

Region	Mallee		South West	
Locality	Ultima		Lake Bolac	
Crop Type	Canola		Canola	
Trial ID	CETA20ULTI3		CMTA20LAKE3	
Variety Name	tonnes/ha	% Site Mean	tonnes/ha	% Site Mean
ATR Bonito	0.99	87	-	-
ATR Stingray	1.07	94	-	-
ATR Wahoo	-	-	3.66	105
Hyola 350TT	1.05	92	-	-
Hyola 580CT	-	-	3.36	96
Hyola Blazer TT	1.13	99	4.33	124
Hyola Enforcer CT	1.10	96	3.09	89
HyTTec Trident	1.31	115	-	-
HyTTec Trifecta	-	-	4.08	117
HyTTec Trophy	1.24	109	3.78	109
InVigor T 4510	1.00	87	3.48	100
InVigor T 6010	-	-	3.82	110
Monola 420TT	-	-	3.05	88
Pioneer 44T02 TT	1.08	95	-	-
Pioneer 45T03 TT	-	-	3.12	89
SF Dynatron TT	1.11	97	-	-
SF Ignite TT	-	-	3.73	107
SF Spark TT	1.07	93	-	-
Site Mean (t/ha)	1.14	100	3.49	100
CV (% Site Mean)	6.43		5.81	
Probability	<0.001		<0.001	
LSD (t/ha)	0.14		0.28	
Sowing Date	24-Apr-2020		14-Apr-2020	
Trial Comments	Trial not to be released due to excessive bird damage. These trial results should not be used to make variety selection decisions.		Trial not released due to early weed competition and high pre harvest shattering. Treat results with caution. These trial results should not be used to make variety selection decisions.	

Table 4: Roundup Ready Canola Trial Yield data.

Region	Mallee		South West	
Locality	Ultima		Lake Bolac	
Trial ID	CEGA20ULTI3		CMGA20LAKE3	
Variety Name	tonnes/ha	% Site Mean	tonnes/ha	% Site Mean
Hyola 410XX	1.32	99	2.95	86
Hyola 540XC	-	-	3.17	92
Hyola Garrison XC	1.23	92	2.62	76
InVigor R 3520	1.44	108	-	-
InVigor R 4022P	1.41	105	3.48	101
InVigor R 4520P	1.54	116	4.01	117
InVigor R 5520P	-	-	3.41	100
Nuseed GT-53	-	-	3.31	96
Pioneer 43Y29 RR	1.37	103	3.70	108
Pioneer 44Y27 (RR)	1.34	101	-	-
Pioneer 45Y28 RR	-	-	3.80	111
VICTORY V5003RR	-	-	2.83	83
Xseed Condor	-	-	3.67	107
Xseed Raptor	1.28	96	-	-
Site Mean (t/ha)	1.33	100	3.43	100
CV (% Site Mean)	5.53		5.91	
Probability	0.01		<0.001	
LSD (t/ha)	0.15		0.28	
Sowing Date	24-Apr-2020		14-Apr-2020	
Trial Comments	Trial not to be released due to excessive bird damage. These trial results should not be used to make variety selection decisions.		Trial not released due to early weed competition and high pre harvest shattering. Treat results with caution. These trial results should not be used to make variety selection decisions.	

2020 Quarantine Report Victoria Chickpea

Table 5: Kabuli Chickpea Trial Yield data.

Region	Mallee	
Locality	Rainbow	
Trial ID	DMKA20RAIN3	
Variety Name	tonnes/ha	% Site Mean
Almaz	1.43	98
Genesis 090	1.38	95
Genesis Kalkee	1.46	100
PBA Magnus	1.39	95
PBA Monarch	1.56	106
PBA Royal	1.45	99
Site Mean (t/ha)	1.46	100
CV (% Site Mean)	6.46	
Probability	0.22	
LSD (t/ha)	0.16	
Sowing Date	23-May-2020	
Trial Comments	Trial has a high P value (0.22) indicating very low significance of variety effect. These trial results should not be used to make variety selection decisions.	

2020 Quarantine Report Victoria Field Pea

Table 6: Field Pea Trial Yield data.		
Region	Mallee	
Locality	Rainbow	
Trial ID	PMaA20RAIN3	
Variety Name	tonnes/ha	% Site Mean
GIA Kastar	0.59	53
GIA Ourstar	1.02	92
Kaspa	1.43	129
PBA Oura	1.35	122
PBA Pearl	1.02	92
PBA Percy	1.00	90
PBA Wharton	1.22	110
Site Mean (t/ha)	1.11	100
CV (% Site Mean)	22.88	
Probability	0.03	
LSD (t/ha)	0.41	
Sowing Date	22-May-2020	
Trial Comments	This trial displayed a degree of variability as indicated by the very high CV of 22.8%. These trial results should not be used to make variety selection decisions.	

2020 Quarantine Report Victoria Lupin

Table 7: Lupin Trial Yield data.		
Region	Mallee	
Locality	Walpeup	
Trial ID	LMNA20WALP3	
Variety Name	tonnes/ha	% Site Mean
Coyote	1.35	96
Jenabillup	1.34	95
Mandelup	1.49	106
PBA Barlock	1.34	95
PBA Bateman	1.34	95
PBA Gunyidi	1.57	112
PBA Jurien	1.35	96
Quilinock	1.52	108
Wonga	1.35	96
Site Mean (t/ha)	1.40	100
CV (% Site Mean)	11.07	
Probability	0.17	
LSD (t/ha)	0.25	
Sowing Date	28-Apr-2020	
Trial Comments	Trial has a high P value (0.17) indicating low significance of variety effect. Interpret results with caution. These trial results should not be used to make variety selection decisions.	