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GRDC NATIONAL VARIETY TRIALS™

2019 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 Canola.

Photo: Courtesy Advanta Seeds

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Table 1: 2019 Victoria Unreleased Trials.

STATE	Site Description	Name	Trial Code	Sowing Date	Harvest Date	Site Mean Yield	CV Value
VIC	Ultima	Barley	BMaA19ULTI3	08-May-19	12-Nov-19	1.46	11.00
VIC	Charlton	Barley	BMaA19CHAR3	22-May-19	12-Dec-19	5.52	12.08
VIC	Ultima	Canola	CERA19ULTI3	01-May-19	12-Nov-19	0.44	18.25
VIC	Ultima	Canola	CETA19ULTI3	01-May-19	12-Nov-19	0.16	49.07
VIC	Ultima	Canola	CEIA19ULTI3	01-May-19	12-Nov-19	0.45	17.93
VIC	Ultima	Lentil	QMaA19ULTI3	08-May-19	10-Nov-19	0.42	17.05
VIC	Ultima	Wheat	WMaA19ULTI3	08-May-19	12-Nov-19	1.30	7.02
VIC	Manangatang	Wheat	WMaA19MANA3	08-May-19	14-Nov-19	1.71	5.39
VIC	Wunghnu	Wheat	WMaA19WUNG3	17-May-19	18-Dec-19	1.41	21.44

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2019 Quarantine Report Victoria Wheat.

Main Wheat Trial Yield data.

Region	Mallee		Mallee		North East	
Nearest Town	Manangatang		Ultima		Wunghnu	
Crop Type	Wheat		Wheat		Wheat	
Trial ID	WMaA19MANA3		WMaA19ULTI3		WMaA19WUNG3	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
Beckom	1.71	100	1.17	90	1.59	112
Catapult	2.11	124	1.21	93	1.52	107
Chief CL Plus	1.30	76	0.89	69	1.61	114
Cobalt	1.93	113	1.47	114	-	-
Condo	-	-	-	-	1.76	124
Coolah	-	-	-	-	0.93	66
Corack	1.51	88	1.52	117	1.80	127
Cosmick	1.53	89	1.29	100	-	-
Cutlass	1.83	107	0.58	45	1.24	88
Derrimut	-	-	-	-	1.28	91
DS Bennett	-	-	-	-	0.39	27
DS Darwin	1.63	95	1.13	88	1.28	91
DS Faraday	-	-	-	-	0.77	54
DS Pascal	-	-	-	-	1.06	75
DS Tull	-	-	-	-	1.21	86
EGA Gregory	-	-	-	-	0.66	47
Elmore CL Plus	1.68	98	0.91	71	1.23	87
Emu Rock	1.29	76	1.57	121	-	-
Grenade CL Plus	1.49	87	1.47	113	1.64	116
Kord CL Plus	1.61	94	1.28	98	1.54	109
LRPB Arrow	1.60	94	1.08	83	1.62	114
LRPB Cobra	-	-	-	-	1.11	78
LRPB Havoc	1.69	99	1.43	110	1.75	124
LRPB Hellfire	-	-	-	-	1.44	102
LRPB Impala	-	-	-	-	1.57	111
LRPB Mustang	-	-	-	-	1.61	114
LRPB Parakeet	-	-	-	-	1.54	109
LRPB Phantom	1.75	102	0.86	66	1.00	71
LRPB Scout	1.64	96	1.42	110	1.61	114
LRPB Trojan	1.98	116	1.03	79	1.20	85
Mace	1.62	95	1.17	91	1.78	126

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Region	Mallee		Mallee		North East	
Nearest Town	Manangatang		Ultima		Wunghnu	
Crop Type	Wheat		Wheat		Wheat	
Trial ID	WMaA19MANA3		WMaA19ULTI3		WMaA19WUNG3	
Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
Razor CL Plus	1.30	76	1.55	120	1.90	134
RGT Zanzibar	-	-	-	-	0.77	54
RockStar	2.13	125	1.29	100	1.58	112
Scepter	1.69	99	1.13	87	1.83	129
Sheriff CL Plus	1.85	109	1.18	91	1.60	113
Shield	1.71	100	1.45	112	-	-
Sunprime	1.52	89	1.67	129	-	-
Suntop	-	-	-	-	0.99	70
Tenfour	1.38	81	1.39	107	1.80	128
Vixen	1.87	110	1.97	152	1.75	123
Wallup	1.58	93	1.34	103	1.56	110
Yitpi	1.60	94	1.09	84	1.33	94
Site Mean (t/ha)	1.71		1.30		1.41	
CV (%)	5.39		7.02		21.44	
Probability	<0.001		<0.001		<0.001	
LSD (t/ha)	0.16		0.16		0.49	
Analysis Date	22/11/2019		19/11/2019		24/12/2019	
Sowing Date	08/05/2019		08/05/2019		17/05/2019	
Trial Comments	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.		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.	

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2019 Quarantine Report Victoria Barley.

Barley Trial Yield data.

Region	Mallee		North Central	
Nearest Town	Ultima		Charlton	
Crop Type	Barley		Barley	
Trial ID	BMaA19ULTI3		BMaA19CHAR3	
Variety Name	tonnes/ha	%	tonnes/ha	%
Alestar	-	-	5.08	92
Banks	1.79	122	4.58	83
Bass	1.78	122	5.65	102
Biere	1.58	108	-	-
Bottler	-	-	5.89	107
Buff	1.04	71	5.40	98
Commander	0.88	60	4.72	86
Compass	2.07	142	4.47	81
Fathom	1.95	133	5.47	99
Flinders	-	-	5.26	95
Gairdner	0.98	67	4.66	84
Granger	0.98	67	4.83	87
Hindmarsh	2.06	140	5.48	99
Keel	1.94	132	-	-
La Trobe	1.65	113	6.19	112
Leabrook	2.26	154	3.41	62
Maltstar	0.97	66	6.03	109
RGT Planet	1.29	88	5.95	108
Rosalind	2.19	149	5.35	97
Scope	1.33	91	4.93	89
Spartacus CL	1.92	131	6.10	111
Site Mean (t/ha)	1.46		5.52	
CV (%)	11.00		12.08	
Probability	<0.001		<0.001	
LSD (t/ha)	0.28		1.10	
Analysis Date	20/11/2019		09/01/2020	
Sowing Date	08/05/2019		22/05/2019	
Trial Comments	WARNING: THIS TRIAL WAS SEVERELY AFFECTED BY FROST and drought stress. 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 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.	

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2019 Quarantine Report Victoria Canola.

Canola Trial Yield data.

	Region	Mallee		Mallee		Mallee	
	Nearest Town	Ultima		Ultima		Ultima	
	Crop Type	Canola		Canola		Canola	
	Trial ID	CETA19ULTI3		CERA19ULTI3		CEIA19ULTI3	
	Variety Name	tonnes/ha	%	tonnes/ha	%	tonnes/ha	%
TRIAZINE TOLERANT	ATR Bonito	0.08	53	-	-	-	-
	ATR Stingray	0.12	76	-	-	-	-
	BASF 3000 TR	0.17	108	-	-	-	-
	Hyola 350TT	0.20	128	-	-	-	-
	Hyola 550TT	0.12	74	-	-	-	-
	HyTTec Trident	0.29	182	-	-	-	-
	HyTTec Trophy	0.21	131	-	-	-	-
	InVigor T 3510	0.28	177	-	-	-	-
	InVigor T 4510	0.26	160	-	-	-	-
	Pioneer 44T02 TT	0.19	118	-	-	-	-
	SF Spark TT	0.18	112	-	-	-	-
ROUNDUP READY	DG 408RR	-	-	0.31	71	-	-
	Hyola 404RR	-	-	0.39	90	-	-
	Hyola 410XX	-	-	0.25	58	-	-
	InVigor R 3520	-	-	0.53	122	-	-
	InVigor R 4022P	-	-	0.57	129	-	-
	Pioneer 43Y29 RR	-	-	0.40	92	-	-
	Pioneer 44Y27 (RR)	-	-	0.59	134	-	-
IMI TOLERANT	Hyola 575CL	-	-	-	-	0.36	78
	Pioneer 43Y92 (CL)	-	-	-	-	0.35	77
	Pioneer 44Y90 (CL)	-	-	-	-	0.43	94
	Saintly CL	-	-	-	-	0.46	101
	VICTORY V7002CL	-	-	-	-	0.34	75
	Site Mean (t/ha)	0.16		0.44		0.45	
	CV (%)	49.07		18.25		17.93	
	Probability	<0.001		<0.001		<0.001	
	LSD (t/ha)	0.13		0.13		0.13	
	Analysis Date	19/11/2019		19/11/2019		19/11/2019	
	Sowing Date	01/05/2019		01/05/2019		01/05/2019	
	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.		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.		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.	

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2019 Quarantine Report Victoria Lentils

Lentils Trial Yield data.

Region	Mallee	
Nearest Town	Ultima	
Crop Type	Lentil	
Trial ID	QMaA19ULTI3	
Variety Name	tonnes/ha	%
Nipper	0.39	94
PBA Ace	0.21	50
PBA Blitz	0.27	66
PBA Bolt	0.59	142
PBA Hallmark XT	0.39	94
PBA Highland XT	0.53	129
PBA Hurricane XT	0.46	111
PBA Jumbo2	0.51	122
Site Mean (t/ha)	0.42	
CV (%)	17.05	
Probability	<0.001	
LSD (t/ha)	0.12	
Analysis Date	12/11/2019	
Sowing Date	08/05/2019	
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.	