

3.2.2 DNRE Variety Trials

Trial	Location	Sow Date	Herbicides	Fertiliser	Insecticides	Harvest Date	Previous crop
Wheat	Streatham	21/5	Diuron (750ml/ha), Glean (15 g/ha), Lontrel (100 ml/ha)	100 kg/ha MAP	Dimethoate (100ml/ha)		lupins
Wheat	Gnarwarre	5/6	Treflan (2 l/ha), Tigrex (750ml/ha)	100 kg/ha MAP		10/01/01	Pasture
Barley	Lake Bolac	21/5	Diuron (750ml/ha), Glean (15g/ha), Lontrel 100ml/ha	100 kg/ha MAP	Dimethoate (100ml/ha)		Lupins
Barley	Balliang	6/7	Tigrex (750ml/ha) + Ally (5g/ha)	100 kg/ha MAP		22/01/01	
Barley	Gnarwarre	16/6	Tigrex (1l/ha) Trifluralin	100 kg/ha MAP		03/01/01	Pasture
Oats	Streatham	21/5	Diuron (750ml/ha), Glean (15 g/ha), Lontrel (100ml/ha)	100 kg/ha MAP	Dimethoate (100ml/ha)		Lupins
Triticale	Streatham	23/5	Diuron(750 ml/ha), Glean (15g/ha), Hoegrass (1.0L/ha)	100 kg/ha MAP			Lupins
Canola	Streatham	24/5	Verdict (300ml/ha), Lontrel (300ml/ha)	100 kg/ha MAP	Talstar (100ml/ha)		Lupins
Canola	Gnarwarre	16/6	Simazine(2L/ha) + Atrazine (2L/Ha)	100 kg/ha MAP			Pasture



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*For advice on cropping options & marketing contact Don Lidgerwood***PROUD SUPPORTERS OF SOUTHERN FARMING SYSTEMS**

3.2.2.1 Wheat

Variety	Gnarwarre			Lake Bolac			Streatham			Overall		
	Yield T/Ha	% Site mean	% Kellalac	Yield T/Ha	% Site mean	% Kellalac	Yield T/Ha	% Site mean	% Kellalac	Average Yield over all sites T/Ha	%Overall site mean	% Kellalac
WW2772	5.51	108	101	7.12	116	113	7.59	111	102	6.74	112%	105%
H186.3	6.05	118	111	6.82	111	108	7.20	106	96	6.69	111%	104%
VO2326	5.67	111	104	7.29	119	116	7.09	104	95	6.68	111%	104%
CURRAWONG	5.39	105	99	7.09	116	113	7.46	110	100	6.65	110%	104%
WHISTLER	5.73	112	105	6.79	111	108	7.35	108	98	6.62	110%	103%
H266-7	5.57	109	102	6.78	111	108	7.34	108	98	6.56	109%	102%
CHARA	5.82	114	107	6.30	103	100	7.37	108	99	6.50	108%	101%
QT7208	5.66	111	104	6.37	104	101	7.38	108	99	6.47	108%	101%
MITRE	5.60	110	103	6.32	103	100	7.43	109	99	6.45	107%	101%
BRENNAN	5.49	108	101	6.44	105	102	7.41	109	99	6.45	107%	101%
VN0061	5.50	108	101	6.63	108	105	7.11	104	95	6.41	107%	100%
KELLALAC	5.44	107	100	6.29	103	100	7.48	110	100	6.40	106%	100%
H239-1	5.29	104	97	6.61	108	105	7.08	104	95	6.33	105%	99%
MIRA	5.24	103	96	6.31	103	100	7.41	109	99	6.32	105%	99%
WYLAH	5.47	107	101	6.61	108	105	6.78	100	91	6.29	105%	98%
VO2265	5.17	101	95	6.28	102	100	7.07	104	95	6.17	103%	96%
E30.82	5.17	101	95	6.47	106	103	6.85	101	92	6.16	102%	96%
ROSELLA	5.35	105	98	6.16	101	98	6.84	100	91	6.12	102%	96%
H180.2	5.10	100	94	5.91	96	94	7.28	107	97	6.10	101%	95%
VO2270	4.91	96	90	6.11	100	97	7.12	105	95	6.05	100%	94%
DECLIC	4.86	95	89	6.39	104	102	6.70	98	90	5.98	99%	93%
E9.40	5.43	106	100	5.55	91	88	6.96	102	93	5.98	99%	93%
CAMM	5.18	101	95	5.72	93	91	6.96	102	93	5.95	99%	93%
M5631	5.35	105	98	5.49	90	87	6.89	101	92	5.91	98%	92%
H99.1	4.55	89	84	6.19	101	98	7.00	103	94	5.91	98%	92%
VL326	5.26	103	97	5.92	97	94	6.49	95	87	5.89	98%	92%
M5880	4.44	87	82	6.15	100	98	6.53	96	87	5.71	95%	89%
M5395	5.18	101	95	5.42	89	86	6.38	94	85	5.66	94%	88%
F2.9	5.00	98	92	5.26	86	84	6.50	95	87	5.59	93%	87%
E27.24	3.85	75	71	6.06	99	96	6.68	98	89	5.53	92%	86%
VN0182	4.88	95	90	5.46	89	87	6.24	92	83	5.52	92%	86%
GORDON	3.88	76	71	5.63	92	90	7.05	104	94	5.52	92%	86%
GOLDMARK	5.35	105	98	4.97	81	79	5.91	87	79	5.41	90%	84%
DH399	5.12	100	94	5.55	91	88	5.30	78	71	5.32	88%	83%
TENNANT	3.92	77	72	6.07	99	96	5.95	87	80	5.31	88%	83%
DENNIS	4.91	96	90	5.53	90	88	5.37	79	72	5.27	88%	82%
YITPI	4.46	87	82	5.25	86	84	5.35	79	72	5.02	83%	78%
DIAMONDBIRD	3.47	68	64	5.54	90	88	5.96	88	80	4.99	83%	78%
Site mean:	5.11			6.13			6.81					
C.V.	7.60			3.30			6.80					
Average SED:	0.35			0.17			0.39					
Average LSD:	0.70			0.34			0.77					

Commercial Varieties

Variety	Gnarwarre			Lake Bolac			Streatham			Overall		
	Yield T/Ha	% Commercial Variety average	% Kellalac	Yield T/Ha	% Commercial Variety average	% Kellalac	Yield T/Ha	% Commercial Variety average	% Kellalac	Overall yield average T/Ha	% Overall site yield	% Overall Kellalac Yield
CURRAWONG	5.39	107%	99%	7.09	117%	113%	7.46	111%	100%	6.65	112%	104%
WHISTLER	5.73	114%	105%	6.79	112%	108%	7.35	109%	98%	6.62	111%	103%
CHARA	5.82	116%	107%	6.30	104%	100%	7.37	109%	99%	6.50	109%	101%
MITRE	5.60	111%	103%	6.32	104%	100%	7.43	110%	99%	6.45	108%	101%
BRENNAN	5.49	109%	101%	6.44	106%	102%	7.41	110%	99%	6.45	108%	101%
KELLALAC	5.44	108%	100%	6.29	103%	100%	7.48	111%	100%	6.40	108%	100%
MIRA	5.24	104%	96%	6.31	104%	100%	7.41	110%	99%	6.32	106%	99%
WYLAH	5.47	109%	101%	6.61	109%	105%	6.78	100%	91%	6.29	106%	98%
ROSELLA	5.35	106%	98%	6.16	101%	98%	6.84	101%	91%	6.12	103%	96%
DECLIC	4.86	97%	89%	6.39	105%	102%	6.70	99%	90%	5.98	100%	93%
CAMM	5.18	103%	95%	5.72	94%	91%	6.96	103%	93%	5.95	100%	93%
GORDON	3.88	77%	71%	5.63	93%	90%	7.05	104%	94%	5.52	93%	86%
GOLDMARK	5.35	106%	98%	4.97	82%	79%	5.91	88%	79%	5.41	91%	84%
TENNANT	3.92	78%	72%	6.07	100%	96%	5.95	88%	80%	5.31	89%	83%
DENNIS	4.91	98%	90%	5.53	91%	88%	5.37	79%	72%	5.27	88%	82%
YITPI	4.46	89%	82%	5.25	86%	84%	5.35	79%	72%	5.02	84%	78%
DIAMONDBIRD	3.47	69%	64%	5.54	91%	88%	5.96	88%	80%	4.99	84%	78%
Average	5.03			6.08			6.75			5.96		

3.2.2.2 Streatham Long Season Triticale

Variety	Yield T/Ha	% trial mean	% Abacus
TX94-42-1	7.00	118	122
TX94-98B	6.64	112	116
PT358	6.45	109	112
ISR499-74	5.99	101	104
HILLARY	5.87	99	102
JACKIE	5.86	99	102
ABACUS	5.73	97	100
W45	5.44	92	95
PT314	4.35	73	76
Site mean:	5.93		
C.V.	3.50		
Average SED:	0.26		
Average LSD:	0.54		

3.2.2.3 Barley

Balliang					Streatham				Gnarwarre			
Variety	Mean Yield	% Site Mean	% Schooner	% Franklin	Variety	Mean Yield	% Site Mean	% Franklin	Variety	Mean Yield	% Site Mean	% Franklin
VB0020	3.79	126	130	119	DASH	7.21	119	156	WB235	7.41	134	158
GAIRDNER	3.62	121	124	114	TANTANGARA	6.61	109	143	GAIRDNER	7.28	131	156
VB9935	3.34	111	115	105	GAIRDNER	6.56	108	142	WB234	6.87	124	147
VB9936	3.33	111	114	104	MIMOSA	6.55	108	141	TANTANGARA	6.63	119	142
WB231	3.20	107	110	101	VB9947	6.54	108	141	FITZGERALD	6.55	118	140
VB9933	3.19	106	110	100	WB234	6.53	108	141	VB9926	6.46	116	138
FRANKLIN	3.19	106	109	100	WB235	6.53	108	141	WB233	6.33	114	135
VB9937	3.18	106	109	100	WB236	6.50	108	140	97-136	6.32	114	135
VB9733	3.17	106	109	99	YAMBLA	6.42	106	139	ONSLOW	6.21	112	133
SLOOP	3.11	104	107	98	WB233	6.38	106	138	DASH	6.11	110	131
VB9925	3.11	104	107	97	VB9948	6.31	104	136	WB236	6.09	110	130
VB9909	3.08	103	106	97	VB9926	6.30	104	136	VB9825	5.80	105	124
WI3175	3.08	103	106	97	WABAR2080	6.22	103	134	YERONG	5.73	103	122
WB232	3.07	102	105	96	YERONG	6.19	102	134	YAMBLA	5.72	103	122
VB9953	3.06	102	105	96	82S:505	6.15	102	133	WABAR2080	5.54	100	118
PICOLA	2.99	100	103	94	ONSLOW	6.12	101	132	96-59	5.52	99	118
VB9915	2.96	99	102	93	FITZGERALD	6.03	100	130	82S:505	5.14	93	110
WI3167	2.93	98	101	92	VB9925	6.02	100	130	VB9925	5.09	92	109
TANTANGARA	2.91	97	100	91	FANFARE	5.90	98	127	97-51	4.85	87	104
SCHOONER	2.91	97	100	91	VB9825	5.86	97	126	WABAR2076	4.78	86	102
SBWI-1	2.87	96	99	90	WABAR2076	5.83	96	126	FRANKLIN	4.68	84	100
VB9926	2.86	95	98	90	96-59	5.55	92	120	GLEAM	4.65	84	99
BARQUE	2.85	95	98	89	97-136	5.49	91	119	MIMOSA	4.56	82	97
VB9950	2.77	92	95	87	GLEAM	5.47	90	118	VB9947	4.55	82	97
ARAPILES	2.77	92	95	87	ALEXIS	5.00	83	108	VB9948	4.54	82	97
WI3102	2.76	92	95	87	FRANKLIN	4.63	77	100	ALEXIS	3.88	70	83
VB9949	2.71	90	93	85	97-51	4.37	72	94	FANFARE	2.62	47	56
VB9524	2.57	86	88	81								
VB9928	2.49	83	86	78	Site mean:	6.047			Site mean:	5.552		
KEEL	2.19	73	75	69	C.V.	5.9			C.V.	10.8		
					Average SED:	0.375			Average SED:	0.794		
Site mean:	3.001				Average LSD:	0.772			Average LSD:	1.795		
C.V.	5.6											
Average SED:	0.139											
Average LSD:	0.279											

3.2.2.4 Oats

Streatham Stage 3 Oat Trial				Penshurst Stage 4 Oat trial			
Variety	Yield T/ha	% site mean	% Echidna	Variety	mean	% site mean	% Echidna
93015-0KG-4WT	5.75	126%	107%	SV93117-33	5.47	126%	129%
94046-0KG-15WT	5.64	124%	105%	SV93059-3	5.02	116%	118%
SV93113-5	5.56	122%	104%	SV93113-5	5.01	116%	118%
SV91139-27	5.50	121%	103%	SV91139-27	4.97	115%	117%
94052-0KG-16WT	5.48	120%	102%	COOMALLO	4.96	115%	117%
94028-0KG-16WT	5.38	118%	100%	SV93091-6	4.92	114%	116%
ECHIDNA	5.36	117%	100%	SV93095-28	4.85	112%	114%
95073-36TR	5.34	117%	100%	QUOLL	4.60	106%	108%
93081-0KG-1WT	5.32	117%	99%	SV91024-7	4.43	102%	105%
SV93095-28	5.21	114%	97%	ECHIDNA	4.24	98%	100%
93081-0KG-21WT	5.19	114%	97%	SV93074-1	4.22	97%	99%
SV93075-28	5.11	112%	95%	SV93075-28	4.13	95%	97%
POTOROO	5.07	111%	94%	MORTLOCK	4.00	92%	94%
SV93059-3	4.93	108%	92%	POTOROO	3.93	91%	93%
QUOLL	4.79	105%	89%	EURABBIE	3.88	90%	91%
90073-0KG-4WT	4.76	104%	89%	EURO	3.77	87%	89%
SV93074-1	4.67	102%	87%	WANDERING	3.76	87%	89%
95073-38TR	4.57	100%	85%	TOODYAY	3.75	87%	88%
95073-44TR	4.43	97%	83%	HOTHAM	3.58	83%	85%
94043-0KG-15WT	4.25	93%	79%	NEEDILUP	3.08	71%	73%
94046-0KG-57WT	4.25	93%	79%				
SV93091-6	4.10	90%	77%	Site mean:	4.33		
SV93117-33	4.00	88%	75%	C.V.	18.50		
SV91024-7	3.94	86%	73%	Average SED:	0.67		
95017-11TR	3.84	84%	72%	Average LSD:	1.34		
MORTLOCK	3.67	80%	68%				
95017-22TR	3.66	80%	68%				
95120-12TR	3.58	78%	67%				
95018-45TR	3.46	76%	65%				
EURO	3.44	75%	64%				
94046-0KG-36WT	2.95	65%	55%				
95018-73TR	2.91	64%	54%				
Site mean:	4.57						
C.V.	14.80						
Average SED:	0.60						
Average LSD:	1.19						

3.2.2.5 Canola

Non Triazine Tolerant Lines

Streatham Mid Season Canola				Lake Bolac Late Flowering Lines			
Variety	Yield	% site mean	% Dunkeld	Variety	Yield	% site mean	% Dunkeld
Surpass 603 CL(IT)	2.98	160%	213%	RO022	3.01	135%	178%
Hyola 60	2.96	159%	212%	P98132	2.86	129%	169%
RO011	2.38	128%	170%	RM22	2.83	128%	167%
RN14	2.24	120%	161%	BLN2355	2.76	124%	163%
RO009	2.17	116%	155%	PACY9043	2.75	124%	162%
RAINBOW	2.13	114%	153%	RO019	2.64	119%	156%
BLN1990	2.11	113%	151%	RO020	2.61	118%	154%
RO010	2.10	113%	151%	BLN1888	2.57	116%	152%
BLN1981	2.07	111%	148%	RAINBOW	2.54	115%	150%
RO016	2.05	110%	147%	RO021	2.47	111%	146%
AGA99.13	1.99	107%	142%	RO018	2.33	105%	138%
RN15	1.98	106%	142%	BLN2087	2.28	103%	135%
AGA99.14	1.95	105%	140%	AGC21	2.27	102%	134%
GROUSE	1.94	104%	139%	BLN2216	2.24	101%	133%
RO015	1.93	103%	138%	OSCAR	2.24	101%	132%
RM27	1.88	101%	135%	RO017	2.22	100%	131%
RN11	1.88	101%	135%	BLN2200	2.19	99%	129%
SURPASS600	1.88	101%	134%	BLN2359	2.13	96%	126%
BLN2005	1.87	101%	134%	AGC17	2.08	93%	123%
BLN1560	1.86	100%	133%	BLN2065	2.04	92%	121%
INSIGNIA	1.86	100%	133%	BLN1766	2.02	91%	119%
AGA99.31	1.84	99%	132%	RN19	1.98	89%	117%
RO014	1.81	97%	130%	AGC23	1.97	89%	116%
OSCAR	1.79	96%	128%	BLN2215	1.94	87%	115%
BLN2006	1.77	95%	127%	AGC22	1.91	86%	113%
46C01	1.74	94%	125%	AGC18	1.91	86%	113%
RIPPER	1.70	91%	122%	RN18	1.87	84%	110%
RN13	1.68	90%	120%	AGC20	1.79	80%	106%
46C72(IT)	1.66	89%	119%	AGC19	1.77	80%	104%
PURLER	1.66	89%	119%	AGC24	1.69	76%	100%
47C02	1.65	89%	118%	DUNKELD	1.69	76%	100%
NS3094	1.65	89%	118%	CHARLTON	1.49	67%	88%
TROOPER	1.64	88%	117%				
46C03	1.63	87%	117%	Site mean:	2.22		
NS3092	1.56	84%	112%	C.V.	11.30		
CHARLTON	1.47	79%	106%	Average SED:	0.18		
DUNKELD	1.40	75%	100%	Average LSD:	0.35		
NS3082	1.33	72%	95%				
RO012	1.17	63%	83%				
RO013	1.15	62%	83%				
Site mean:	1.86						
C.V.	11.80						
Average SED:	0.19						
Average LSD:	0.38						

3.2.2.6 Triazine Tolerant Canola Varieties

Penshurst Triazine Tolerant				Lake Bolac Triazine Tolerant			
Variety	Yield T/Ha	% site mean	% Pinnacle	Variety	Yield T/Ha	% site mean	% Pinnacle
TO007	2.18	131	105	TO007	2.57	134	136
TN04	2.13	128	103	AGT1	2.53	132	134
PINNACLE	2.07	124	100	TO008	2.48	130	131
ATR GRACE	2.02	122	98	TN07	2.45	128	130
CLANCY	1.98	119	96	TN01	2.43	127	129
TO006	1.94	117	94	TN04	2.42	127	128
TO008	1.94	117	94	AGT2	2.32	121	123
ATR HYDEN	1.87	113	90	TO006	2.30	121	122
TN07	1.87	112	90	TN06	2.28	119	121
TO002	1.80	108	87	TO005	2.22	116	118
TN06	1.78	107	86	ATR GRACE	2.22	116	117
TO001	1.55	93	75	ATR HYDEN	2.17	114	115
DRUM	1.47	89	71	TO001	2.08	109	110
SURPASS600TT	1.45	88	70	TO003	1.98	104	105
TO004	1.45	87	70	PINNACLE	1.89	99	100
TN01	1.38	83	67	CLANCY	1.85	97	98
TO005	1.21	73	58	TO004	1.78	93	94
TM8	1.17	70	56	SURPASS600TT	1.75	92	93
TO003	1.16	70	56	AGT5	1.68	88	89
AGA99.26	0.83	50	40	TO002	1.65	87	87
				AGT3	1.64	86	87
Site mean:	1.66			AGT4	1.61	85	85
C.V.	21.70			TM8	1.58	83	84
Average SED:	0.29			PACT2002	1.55	81	82
Average LSD:	0.58			AGA99.26	1.54	81	81
				AGT6	1.36	71	72
				DRUM	1.22	64	65
				PACT2001	1.17	61	62
				PACT2003	0.66	35	35
				Site mean:	1.91		
				C.V.	13.00		
				Average SED:	0.18		
				Average LSD:	0.35		