

## A Quick Summary – Kerang Irrigated Variety Trials

### Irrigated Barley Variety Trial

#### 2007 Summary

Variety	Yield	Protein %	Retention %
Hindmarsh	4.00	13.8	73.8
Starmalt	4.41	15.4	89.6
Sloop vic	4.77	14.3	90.3
Buloke	5.03	12.6	81.1
Flagship	5.41	14.9	87.5
WI 3416/1572	6.40	11.9	93.3
Quickstar	6.43	12.6	93.1
Gairdner	6.65	11.7	93.8
Fitzroy	6.85	11.2	87.5
Baudin	7.30	12	95.3
Capstan	8.37	10.6	90.9
p	<0.001		
lsd	1.394		
%cv	13.8		

Early maturing lines were badly affected by bird damage. Topdressing strategy was affected by lack of August rainfall and so the early lines received the second topdress at a later growth stage than the mid and late lines. Hindmarsh was at Z52 while Capstan was at Z37.

#### Past Performances at Kerang. Yields in t/ha

Variety	2002	2003	2004	2005	2006	2007	Ave
Sloop Vic					4.44	4.77	4.61
Schooner	3.81	4.94		6.26	5.08		5.02
Franklin	3.50	5.92	6.70	5.83	6.09		5.61
Gairdner	5.52	5.69	6.42	6.20	5.38	6.65	5.98
Yambla	5.52	6.63	6.73	6.42			6.33
Baudin		6.3		6.57	5.35	7.30	6.38
Fitzroy	4.23	7.13	7.28	6.57	6.53	6.85	6.43
Capstan				6.49	7.05	8.37	7.30

## Irrigated Canola Variety Trial

### 2007 Summary

Variety	2007 Yields t/ha
46 C76	3.55
ATR Signal	3.65
Tornado TT	3.70
Thunder TT	3.76
Cobbler	3.90
ATR Summit	3.91
AV Jade	4.07
Skipton	4.11
AV Ruby	4.14
RT125, AT Garnet	4.15
Rocket CL	4.17
44 C11	4.20
Hyola 61	4.27
Warrior	4.41
AV Sapphire	4.50
AG Spectrum	4.67
46 C04	4.76
Hyola 75	5.10

p	0.006
lsd	0.7135
cv%	10.3

The trial was sown late April and rain brought the crop up.  
Excellent establishment and early growth.  
Good weed and irrigation management  
Flowering started late August and finished in late September. Temperatures were slightly higher than normal but we didn't get the extremes of temperature and wind that normally halts flowering early.

**Past Performances at Kerang (estimated). Yields in t/ha**

<b>Variety</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>Average</b>
TornadoTT	3.19	2.43	2.26	1.57	3.67	2.62
ATRSignal	3.20	2.46	2.66	1.88	3.73	2.79
RocketCL	3.28	2.64	2.53	1.60	3.99	2.81
ThunderTT	3.27	2.60	2.77	1.84	3.95	2.89
ATRSummitt	3.28	2.64	2.81	1.83	4.01	2.91
ATRCobbler	3.26	2.59	2.88	1.94	3.94	2.92
46C76	3.21	2.49	3.15	2.27	3.80	2.99
Hyola61	3.33	2.74	3.09	1.98	4.17	3.06
AVRuby	3.58	2.58	3.15	2.18	3.93	3.09
AVJade	3.62	2.82	3.21	2.01	4.29	3.19
AGSpectrum	3.41	2.92	3.29	1.98	4.44	3.21
Skipton	3.66	2.75	3.38	2.21	4.20	3.24
Rainbow	3.54	2.91	3.40	2.08	4.43	3.27
WarriorCL	3.41	2.90	3.51	2.18	4.43	3.29
AVGarnet	3.32	2.73	3.74	2.54	4.18	3.30
46C04	3.57	3.07	3.42	1.95	4.67	3.33
44C11	3.32	2.72	3.84	2.64	4.17	3.34
AVSapphire	3.37	2.98	3.65	2.23	4.55	3.35
Hyola75	3.52	3.16	4.32	2.63	4.85	3.70

## Irrigated Faba Bean Variety Trial

### 2007 Summary

Summary	Yield t/ha
Nura	4.00
974*(611*974)/15	4.37
Manafest	4.38
Cairo	4.56
974*(611*974)/26	4.75
Fiord	4.77
1270*278/10	4.78
(Ic*As)*FiestaAR/4-1	5.06
FiestaAR*(Ic*As)/2-1	5.11
974*(611*974)/2	5.38
1269*483/6	5.54
AF03063	5.59
Fiesta	5.61
Farah	5.70
AF03029	6.24
p	0.004
lsd	0.9822
cv%	11.6

Although podding didn't seem greater than usual, harvest yields were above average, probably for similar reasons to the canola yields – no extremes in the flowering period.

### Past Performances at Kerang. Yields in t/ha

Variety	2003	2004	2005	2007	Ave t/ha
Manafest		3.42	2.77	4.38	3.52
Nura	3.02	4.38	2.76	4.00	3.54
Farah	3.24	4.31	2.98	5.70	4.06
Cairo		4.30	3.33	4.56	4.06
Fiesta	3.68	4.36	3.01	5.61	4.16
Fiord	4.01	4.74	3.20	4.77	4.18

# Irrigated Oaten Hay Variety Trial

## 2007 Summary

Variety	Dry Matter Yield t/ha	days to cutting	Grain Yield t/ha
SV00186-12	9.15	141	4.39
SV00194-4	10.01	141	4.41
SV98246-13	10.19	147	4.19
SV98095-13	10.28	151	4.30
RIEL	10.35	161	2.62
SV99163-29	10.36	154	4.04
SV00222-8	10.43	149	3.47
SV96098-24	10.47	147	4.23
SV98225-3	10.64	148	5.21
SV97016-2	10.89	142	4.17
GLIDER	11.25	156	2.73
SV01078-6	11.28	154	3.56
KANGAROO	11.5	147	3.33
SV95137-6-3	11.64	148	3.91
SV98086-8	11.96	151	4.59
EURABBIE	11.97	147	5.68
SV97200-3	12.12	161	2.26
SV00211-31	12.13	151	4.19
SV00186-10	12.26	148	4.34
TARGA	12.55	156	3.50
SV99073-5	12.68	148	3.70
p	0.105		<0.001
lsd	2.194		0.65
cv%	11.9		9.90
ave	11.15		3.94

**Past Performances at Kerang. Yields in DM t/ha**

<b>Variety</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>Ave</b>
SV95137-6-3	14.47	14.60	10.64	11.64	13.24
EURABBIE	14.99	14.36	11.07	11.97	13.47
RIEL		15.70	11.52	10.35	13.61
TARGA		13.45	14.20	12.55	13.83
SV97200-3		15.94	12.05	12.12	14.00
GLIDER	12.73	15.10	14.46	11.25	14.10
SV97016-2	14.08	15.71	13.01	10.89	14.27
KANGAROO	15.92	15.27	12.08	11.50	14.42

## Irrigated Triticale Variety Trial

### Past Performances at Kerang. Yields in t/ha

Variety	2004	2005	2006	Ave
JACKIE	6.26	3.83	3.42	4.50
AT519	5.30	4.10		4.70
ABACUS	6.37	2.38	5.91	4.89
AT574	6.02	4.17		5.10
KOSCIUSKO	5.36	5.27	5.02	5.22
TAHARA	5.16	5.81	4.76	5.24
KIEWEIT-2	5.37	5.74	5.07	5.40
CREDIT	5.75	5.20	5.39	5.45
TX93-19	6.15	5.62		5.89

## Irrigated Wheat Variety Trial

2007 Summary

Variety	Yield	Protein %	Screenings %
Yenda	5.58	10.4	6.0
Axe	5.62	12.7	3.5
Chara	5.80	10.4	4.7
Yitpi	6.04	11.0	5.9
Ventura	6.08	11.5	5.0
Dakota	6.15	10.6	5.8
Crusader	6.23	12.0	3.0
Sentinel	6.38	11.2	4.1
Barham	6.39	10.1	4.6
Ellison	6.55	11.7	8.6
Young	6.84	10.9	4.2
Bolac	6.88	11.6	4.6
Wedgetail	6.99	11.2	3.2
Carinya	7.01	11.3	3.6
Jandaroi	7.08	12.5	1.9
Amarok	7.46	10.4	5.4
LR1078	7.64	11.0	7.4
McKellar	9.06	9.8	6.7
p	<0.001		
lsd	0.92		
%cv	8.4		

Stripe rust was detected in Chara and Yitpi on September 7<sup>th</sup>.

The new strain of stripe rust was present.

Irrigation was sufficiently late to ensure the late maturing varieties could finish, favoured too by the lack of high temperatures in October.

### Past Performances at Kerang. Yields in t/ha

Variety	2003	2004	2005	2006	2007	Ave
Diamondbird		4.71	2.14	4.77		3.87
Rosella	5.37	5.29	2.58	5.51		4.69
Wyalkatchem	4.16			5.7		4.93
Ventura			5.05	3.87	6.08	5.00
Yitpi	4.03			5.07	6.04	5.05
Chara	5.45	5.31	3.00	6.59	5.80	5.23
Wedgetail	5.62	5.36	3.48	6.64	6.99	5.62
Yenda		6.64	5.62	5.59	5.58	5.86
Sentinel		5.36		6.04	6.38	5.93
Bowie	7.02	6.41	4.39	6.32		6.04
Ruby	7.33	5.92	5.33	5.68		6.07
Arrivato		5.55	6.10	6.8		6.15