

Section Editor:**Fabio Arsego**SARDI, Minnipa Agricultural Centre/
Port Lincoln

Break Crops

Eyre Peninsula field pea variety trial yield performance 2017*(as a % of site mean) and long term (2013-2017) average across sites (as % of site mean)*

Variety	Lower Eyre Peninsula							Upper Eyre Peninsula			
	2017		2013-2017				2013 - 2017				
	Murdinga	Yeelanna	Trial #	Yield Bracket (t/ha)				Trial #	Yield Bracket (t/ha)		
1.5				2	2.5	3	1		2	3	
Kaspa	93	94	10	91	92	86	100	4	111	100	90
Parafield	74	82	8	74	83	88	107	1	79	-	-
PBA Butler	106	102	10	112	104	115	113	3	123	108	103
PBA Gunyah	102	103	10	96	97	91	111	3	110	104	99
PBA Oura	113	98	10	101	103	110	111	4	95	97	94
PBA Pearl	110	99	10	113	109	127	110	4	105	99	96
PBA Percy	84	103	10	97	100	107	133	3	111	101	87
PBA Twilight	-	-	6	88	94	84	-	3	100	100	96
PBA Wharton	88	113	10	91	96	96	112	4	83	99	101
Site mean yield (t/ha)	1.47	1.89		1.39	1.74	2.27	2.70		0.85	1.65	2.88
<i>LSD (P=0.05) (%)</i>	14	8									
Date sown	06/07	06/07									
Soil type	SL	SL									
Previous crop	Barley	Wheat									
Rainfall (mm) J-M/A-O	56/165	59/227									
pH (water)	8.7	7.7									
Site stress factors	de	de									

Soil types: S=sand, L=loam

Site stress factors: de=pre flowering moisture stress

Data source: SARDI/GRDC, PBA & NVT (long term data based on weighted analysis of sites and courtesy National Statistics Program).

Lower Eyre Peninsula lupin variety trial yield performance 2017

and long term average across sites (2012-2017) expressed as % of site mean

Variety	Lower Eyre Peninsula				
	2017		2013-2017		
	Ungarra	Trial	Yield Bracket (t/ha)		
#			2	2.5	
Jenabillup	1.01	8	102	99	103
Jindalee	0.98	8	87	85	85
Mandelup	1.13	8	103	99	96
PBA Barlock	1.01	8	96	102	105
PBA Bateman	-	3	-	114	115
PBA Gunyidi	1.10	8	97	107	107
PBA Jurien	1.17	7	99	106	107
PBA Leeman	-	2	-	96	93
Wonga	1.04	8	91	92	95
Site mean yield (t/ha)	1.11		1.11	1.76	2.32
<i>LSD (P=0.05) (%)</i>	16				
Date sown	10/7				
Soil Type	S				
Rainfall (mm) J-M/A-O	65/243				
pH (water)	5.8				
Previous crop	Wheat				
Site stress factors	de				

Soil types: S = sand

Stress factors: de=pre flowering moisture stress

Data source: SARDI/GRDC & NVT and PBA Australian Lupin Breeding Program
2012 - 2017 MET data analysis by National Statistics Program

Lower Eyre Peninsula lentil variety trial yield performance 2017

and long term (2012-2017) average across sites (as a % of site mean)

Variety	Lower Eyre Peninsula			
	2017	Trial #	2013 - 2017	
	Yeelanna		Yield Bracket (t/ha)	
			1.5	2.5
Nipper	95	5	89	97
Nugget	101	5	96	101
PBA Ace		4	96	100
PBA Blitz	77	5	94	88
PBA Bolt	106	5	101	98
PBA Flash	110	5	106	105
PBA Hurricane XT	99	5	98	100
PBA Jumbo		3	95	97
PBA Jumbo 2	106	5	104	102
Site mean yield (t/ha)	2.15		1.16	2.24
<i>LSD (P=0.05) (%)</i>	18			
Date sown	6/7			
Soil type	CL			
Rainfall (mm) J-M/A-O	59/227			
pH (water)	7.7			
Previous crop	Wheat			
Site stress factors	de			

Soil type: L=loam, C=clay
Site stress factors: de=pre flowering moisture stress
Data source: GRDC, PBA & NVT (long term data based on weighted analysis of sites and courtesy National Statistics Program)