

Kilmarnock Farming Pty Ltd
Irrigated Durum
Nitrogen Fertilizer Trial
Results

Number	Treatment	Colour	Area ha	Tonnage t	Yield t/ha	Protein %	Weight kg/hl	Screenings %	Vitreous %	Grade	Price	Gross Return	Extra Return above nil	Cost/unit fert.	Cost up front	Total Cost N per ha	Extra return less costs
1	Urea 180kg + 60kg incrop	Blue	3.5	21.99	6.28	15	81	1.3	100	DR1	\$ 570.00	\$ 3,581.23	\$ 488.84	\$ 605	\$ 259.29	\$ 397.29	\$ 91.55
2	Entec 180kg +60kg incrop	White	3.73	23.7	6.35	15.2	80	1.5	99.3	DR1	\$ 570.00	\$ 3,621.72	\$ 529.33	\$ 752	\$ 322.29	\$ 460.29	\$ 69.04
3	Agricote 180kg +60kg incrop	Orange	4.17	25.23	6.05	14.8	81	1	99	DR1	\$ 570.00	\$ 3,448.71	\$ 356.32	\$ 932	\$ 399.43	\$ 537.43	-\$ 181.11
4	ESN 180kg +60kg incrop	Red	3.88	24.16	6.23	14.9	80	1.5	100	DR1	\$ 570.00	\$ 3,549.28	\$ 456.89	\$ 1,350	\$ 578.57	\$ 716.57	-\$ 259.68
5	Black Urea 180kg	Pink	3.35	21.84	6.52	14	81	1.5	100	DR1	\$ 570.00	\$ 3,716.06	\$ 623.67	\$ 710	\$ 304.29	\$ 304.29	\$ 319.39
6	Entec 240kg	Green	3.51	23.63	6.73	14.6	81	1.4	99	DR1	\$ 570.00	\$ 3,837.35	\$ 744.96	\$ 752	\$ 429.71	\$ 429.71	\$ 315.25
7	Urea 240kg	Yellow	3.73	22.42	6.01	14.4	82	1	100	DR1	\$ 570.00	\$ 3,426.11	\$ 333.72	\$ 605	\$ 345.71	\$ 345.71	-\$ 11.99
	Nil strip		0.56	3.443	6.15	12	83	1.1	96.6	DR2	\$ 545.00	\$ 3,350.78	0				\$ -
	2nd nil Strip				5.2	12	83	1.1	96.6	DR2	\$ 545.00	\$ 2,834.00	0				\$ -
	Average nil				5.67	12	83	1.1	96.6	DR2	\$ 545.00	\$ 3,092.39	0				\$ -

Note:
also stripped second section of nil strip which yielded 5.2t/ha
Used 1.9 MGL water under Lateral
Double cropped out of Back to Back cotton

Plots x 4
Buffer 12m

Plot	Row leng width m		Expected		Fertiliser Program:	
	Area ha	Yield t/ha	240 kg/ha	N		
Plot	950	12	4.56	5.5		

Area/Vari Caparoi

Cropping History:	Farm Ave		
	Yield	Yield	
Cotton	2013	11	10.3
Cotton	2012	3.1	dryland

Layout & Application Rates, Timing & Method

Buffer 12m

Nil Nitrogen Strip
12 m

Rep1.	Treatmen	Up-front	In-crop	Company	
		rate of N	N		
Blue	1 Urea	180 kg/ha	60 kg/ha	Control 1	Preapplied- 2 bands/m, 15cm deep
White	2 Entec	180 kg/ha	60 kg/ha	Incitec	Preapplied- 2 bands/m, 15cm deep
Orange	3 Agricote	180 kg/ha	60 kg/ha	Impact	Preapplied- 2 bands/m, 15cm deep
Red	4 ESN	180 kg/ha	60 kg/ha	Loveland	Preapplied- 2 bands/m, 15cm deep
Pink	5 Black Ure:	180 kg/ha		Advance d	Preapplied- 2 bands/m, 15cm deep
Green	6 Entec	240kg/ha		Incitec	Preapplied- 2 bands/m, 15cm deep
Yellow	7 Urea	240kg/ha		Control 2	Preapplied- 2 bands/m, 15cm deep