

Trial Name: IRS Lime application and Incorporation Trial

Trial Number:

01MIG13

Researcher:

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Organisation:

Mingenew-Irwin Group

Why do the Trial?

The aim of this trial is to establish a lime application and incorporation trial that can be monitored over a 5 year period. The purpose is to investigate the benefits of lime application and incorporation.

Crop Management

Grower and Location: Rowe family, Irwin River Station, Coalseam Rd, Mingenew

Soil Type: Red sand

Total Annual Rainfall: 298mm

GSR (Apr-Oct): 258 mm

Paddock History: 2012 - Wheat, 2011 - Wheat, 2010 - Wheat, 2009 - Wheat

Pdk Avg Yield: 0.95 t/ha

Plot Size: 160m x length of paddock

Seeding Date: 1st May 2013

Seeding Rate: 3kg/ha

Variety: Snapper

Seeding Machinery: Ausplow DBS 12 inch spacing

Paddock Inputs

Fertiliser pre: 45 kg/ha MAP

Post: 100kg / ha NS 4-1

Total Fertiliser Cost: \$ 79.80

Pre Emergent Chemical: 30/04/2013 2lt roundup 450,

2lt treflan, 1.1kg atrazine

Post Emergent Chemical: 05/06/2013 1.1kg atrazine

16/06/2013 0.5lt select

Insecticide: 30/04/2013 0.2lt alpha cypermetherin,

0.1lt chlorpyrifos

05/06/2013 0.2lt alpha cypermetherin,

0.1lt chlorpyrifos

16/06/2013 0.2lt alpha cypermetherin,

0.1lt chlorpyrifos

23/09/2013 0.15lt Affirm (plane)

Key Messages:

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Table 1.

Treatment	Yield t/ha	Retuns \$/ha
4T/ha lime	1.13 a	CAN \$593
2T/ha lime + Deep rip	1.11 ab	CAN \$583
2 t/ha lime +Deep rip / 2T/ha lime on top	1.04 ab	CAN \$546
2T/ha lime	1.03 ab	CAN \$541
Nil	1.03 ab	CAN \$541
Deep rip	0.94 b	CAN \$494
cv%	7.2	
I.s.d.	0.182	

Price Notes:

*All prices EPR delivered Geraldton, not including delivery and handling charges and GST exclusive

Comments:

There was not a significant response to lime at this site but a trend towards increased yields was observed. It is not understood why deep ripping without lime resulted in a decreased yield at this site

*Yields will be recorded again at this site in 2014

Acknowledgements:

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