Agras outperforms MAP – Distribution of P key in a dry start

2018

AIM

To investigate the effects of P distribution at seeding time on crop yields and gross margins.

BACKGROUND

In dry starts the distribution of Phosphorous (P) applied in the drill row becomes critical, more crucial than the P concentration of the fertiliser. Two trials at Dandaragan and Trayning in 2018 proved the importance of P distribution.

KEY MESSAGES

Agras provides more than double the number of active P sites in the drill row compared to MAP.

P supplied by Agras was more profitable than P supplied by MAP at rates lower than 50kg/ha

Select a fertiliser product such as Agras, to maintain fertiliser rates above 50kg/ha to maximise profit.

A reduction in upfront costs for the same rate of applied P can result in reduced profit.

Trayning

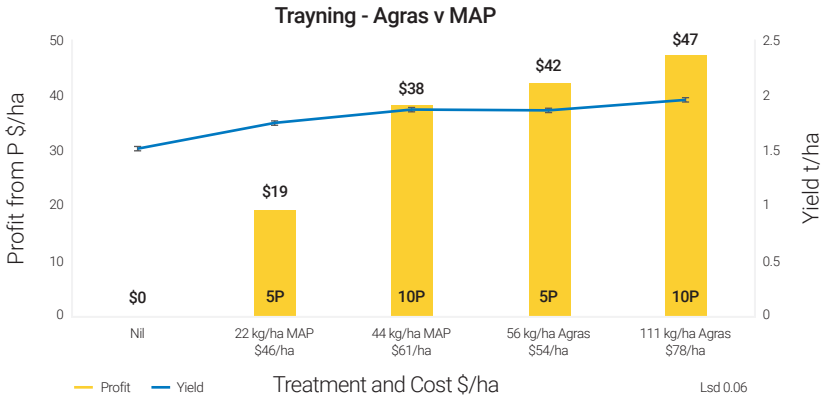
Soil Data	Depth (cm)	pH	P	PBI
	0-10	5.2	18	22
	10-20	4.8	4	39
	20-30	5	2	54

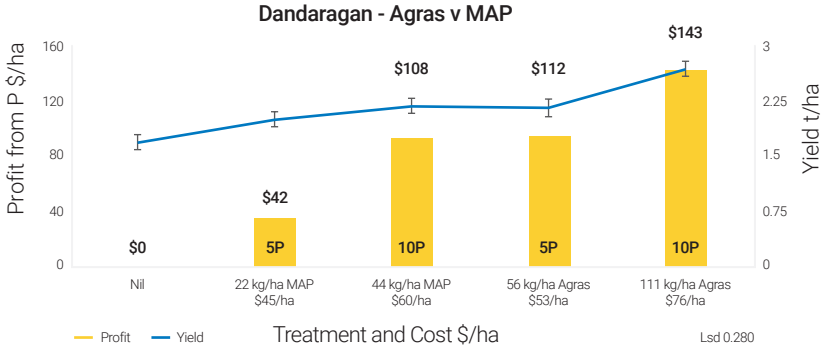
Dandaragan

Soil Data	Depth (cm)	pH	P	PBI
	0-10	4.9	15	32
	10-20	4.3	6	29
	20-30	4.6	2	36

Treatments

Banded (kg/ha)	P kg/ha
Nil	0
22 MAP	5
56 Agras	5
44 MAP	10
111 Agras	10





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