



Department of
Primary Industries

More Profit from Nitrogen



Australian Government
Department of Agriculture
and Water Resources



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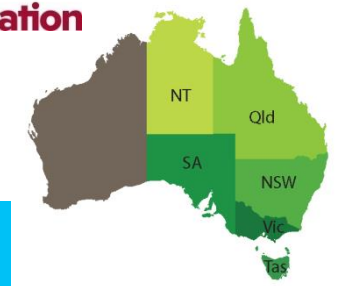
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www.crdc.com.au/more-profit-nitrogen



More Profit from Nitrogen: enhancing the nutrient use efficiency of intensive cropping and pasture systems is supported by funding from the Australian Government Department of Agriculture and Water Resources as part of its Rural R&D for Profit program.



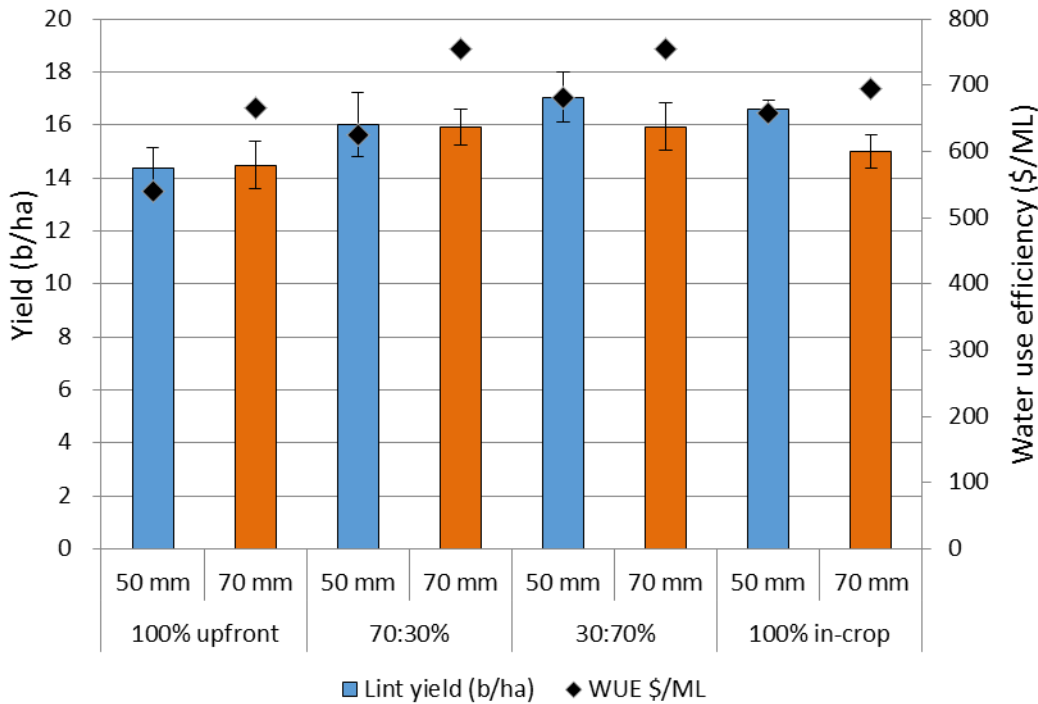
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Jon Baird, NSW DPI

Nitrogen fertiliser application timing impact on lint yield and water use efficiency (ACRI 2017/18)



Nitrogen lost from the field into the tail water (kg N/ha)

Irrigation deficit	100% upfront	70:30%	30:70%	100% in-crop
50 mm	38	26	18	13
70 mm	37	35	21	17
	<i>deficit</i>	<i>ns</i>		
	<i>N timing</i>	<i>p<0.001</i>		
	<i>deficit x N timing</i>	<i>ns</i>		

Nitrogen timing, irrigation deficit $p < 0.05$
 Nitrogen timing x irrigation deficit, *ns*
 Error bars sig standard error



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