



“Out of the Cloud and into the Paddock”

Mic Fels, “iPaddock”

Tuesday 25th February 2014





iPaddockYield



iPaddockYield LITE

(Or try it online at yieldlite.ipaddock.com.au)



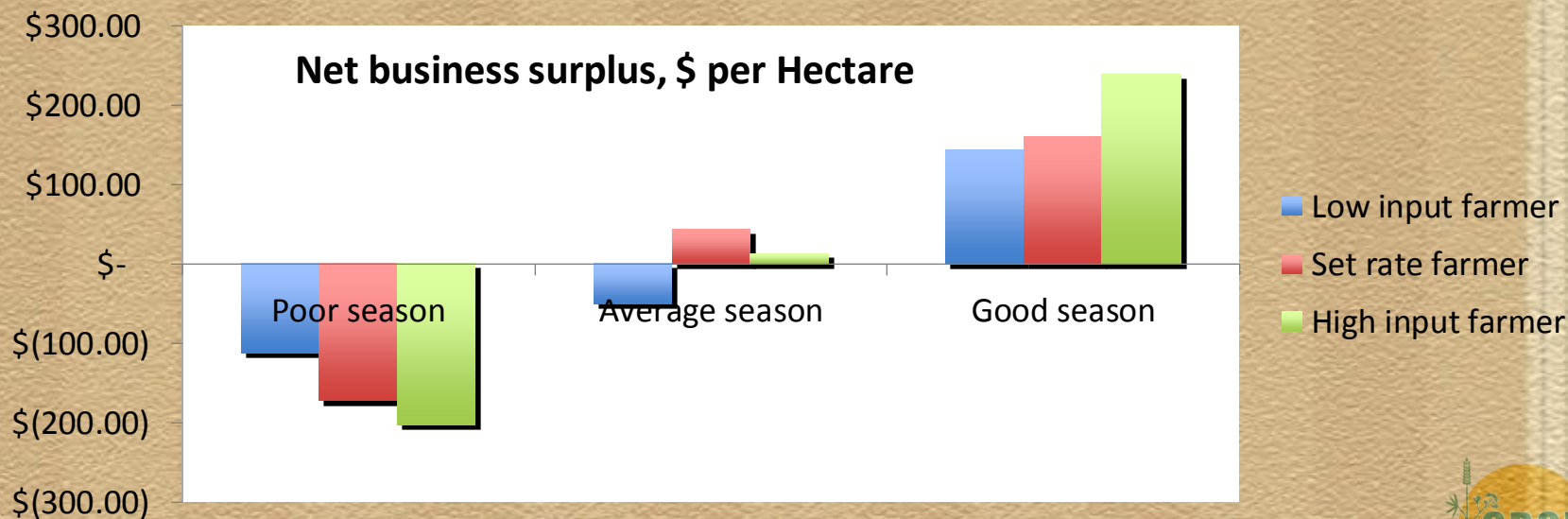
iPaddockSpray



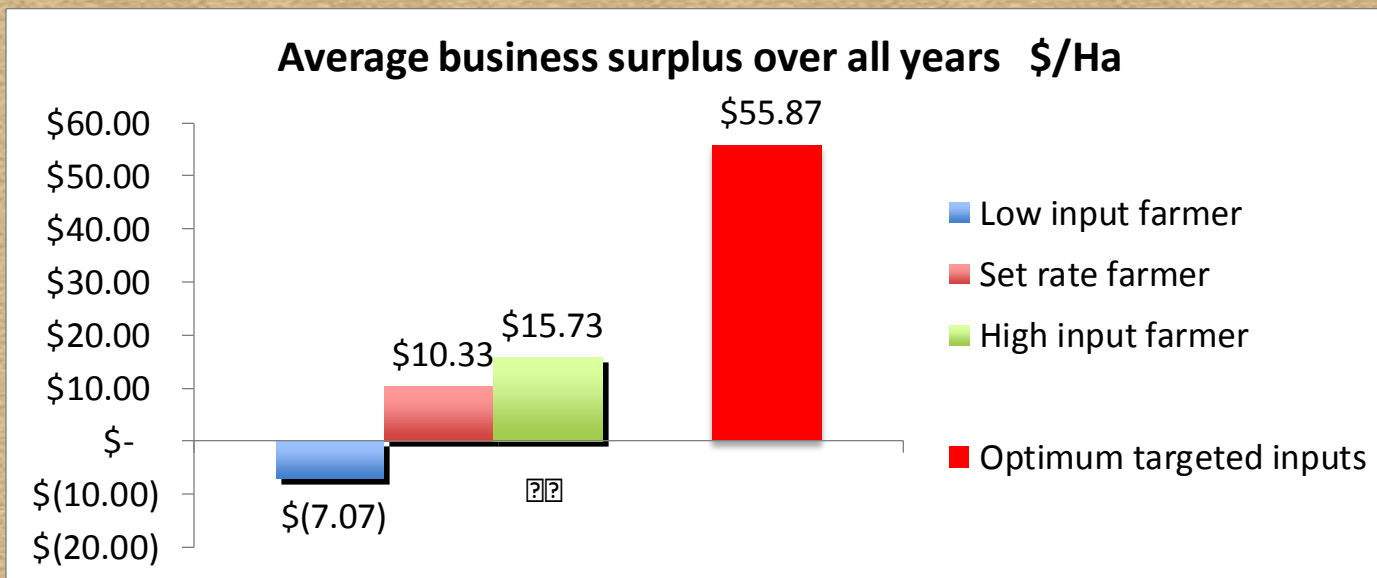
2013 Budget Halcyon Downs

Wheat Yield	2.7 t/Ha	
N Rate	45 kg/Ha	\$54/Ha
Total grain income	\$644 / Ha	
Operating profit	\$159 / Ha	Cropping costs only
Total budgeted surplus	\$43 / Ha	Including debt reduction and drawings

	Poor season		Average Season		Good season	
	N rate kg/Ha	Yield t/Ha	N rate kg/Ha	Yield t/Ha	N rate kg/Ha	Yield t/Ha
Low input farmer	15	1.9	25	2.2	40	3.1
Set rate farmer	45	1.8	45	2.7	45	3.2
High input farmer	55	1.7	70	2.7	80	3.7



	Poor season		Average Season		Good season	
	N rate kg/Ha	Yield t/Ha	N rate kg/Ha	Yield t/Ha	N rate kg/Ha	Yield t/Ha
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Set rate farmer	45	1.8	45	2.7	45	3.2
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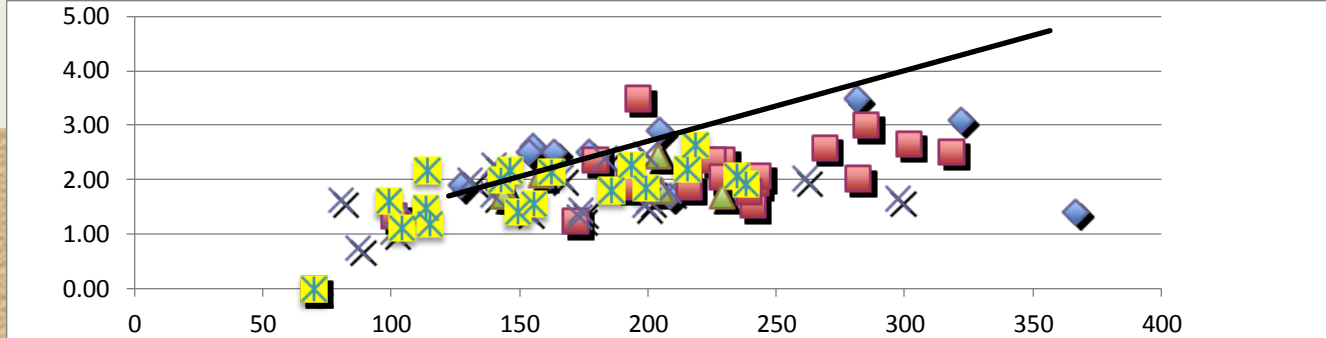




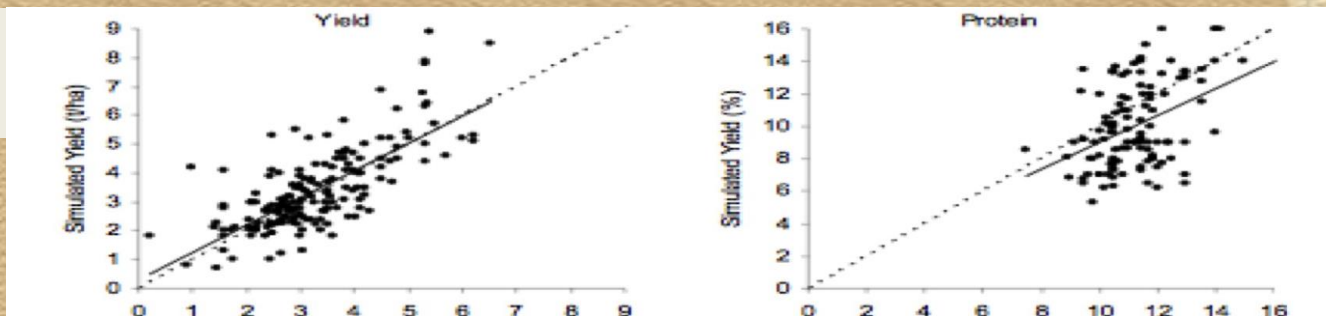
iPaddockYield



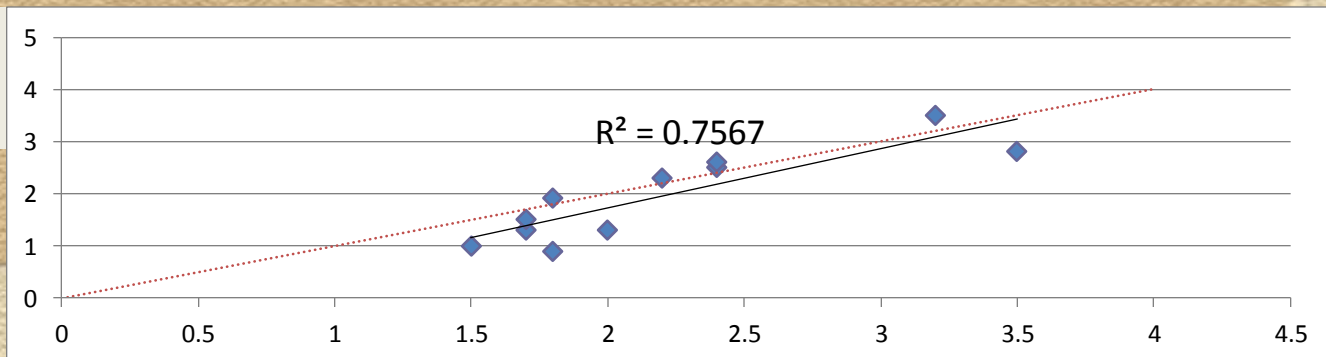
French Schultz (Poor correlation)



Yield Prophet R Squared = 0.54



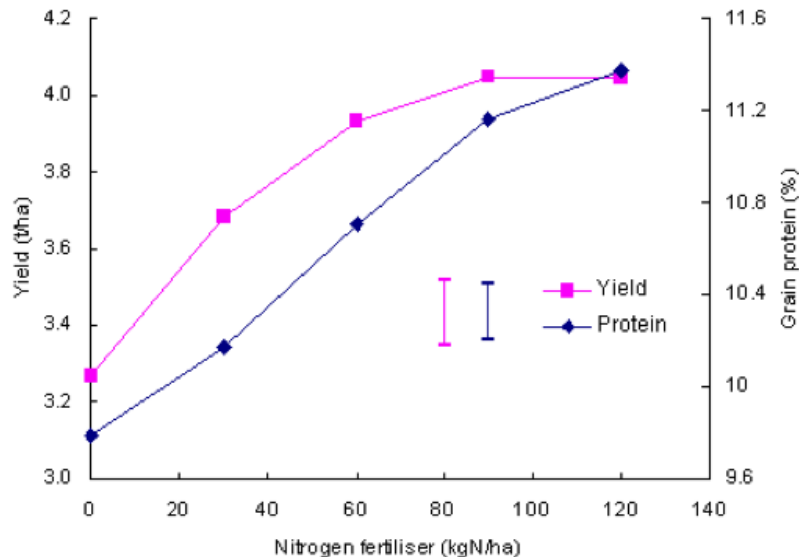
iPaddockYield R Squared = 0.76



Select Your Nitrogen: Optimum yield at 10.5% Protein

Rate of fertiliser application	20	30	40	50	60	70	80	90	100	110	120
Actual Yield (t/ha)	3.04	3.16	3.26	3.34	3.40	3.44	3.48	3.49	3.50	3.50	3.49
Protein (%)	9.2	9.4	9.5	9.7	9.9	10.1	10.3	10.5	10.8	11.0	11.2
Price Received (\$/t)	278	280	282	285	288	290	291	293	294	296	298
Net Return (\$/ha)	826	858	887	911	930	941	950	951	952	950	947

NSW DPI: Optimum Yield at 10.7% protein





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