



WHEAT: Biscuit (Flood Irrigated - Border Check / Conv. Sown)

Irrigated Winter - 2012

Murrumbidgee Valley

1. GROSS MARGIN BUDGET:

INCOME:

5.50 tonnes/ha @ \$200 /t (on farm)

Standard Budget \$/ha	Your Budget \$/ha
\$1,100	

A. TOTAL INCOME \$/ha:

\$1,100	
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VARIABLE COSTS:

See following page for detail

Cultivation.....	\$73	
Sowing.....	\$107	
Fertiliser.....	\$224	
Fungicide.....	\$54	
Herbicide.....	\$48	
Contract harvesting.....	\$81	
Levies.....	\$11	
Crop insurance.....	\$25	
Irrigation.....	\$46	
B. TOTAL VARIABLE COSTS \$/ha:	\$670	

C. GROSS MARGIN (A-B) \$/ha:

\$430	
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D. GROSS MARGIN \$/ML:

\$123	
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SENSITIVITY TABLES

2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$160 /t	\$180 /t	\$200 /t	\$220 /t	\$240 /t	
4.00	\$51	\$128	\$206	\$283	\$360	
4.50	\$122	\$209	\$296	\$383	\$470	
5.00	\$194	\$290	\$387	\$484	\$581	
5.50	\$265	\$371	\$430	\$584	\$691	
6.00	\$336	\$452	\$569	\$685	\$801	
6.50	\$408	\$533	\$659	\$785	\$911	
7.00	\$479	\$615	\$750	\$885	\$1021	

3. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER ML:

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ML)
	\$160 /t	\$180 /t	\$200 /t	\$220 /t	\$240 /t	
4.00	\$15	\$37	\$59	\$81	\$103	
4.50	\$35	\$60	\$85	\$110	\$134	
5.00	\$55	\$83	\$111	\$138	\$166	
5.50	\$76	\$106	\$123	\$167	\$197	
6.00	\$96	\$129	\$162	\$196	\$229	
6.50	\$117	\$152	\$188	\$224	\$260	
7.00	\$137	\$176	\$214	\$253	\$292	

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CALENDAR OF OPERATIONS:		Machinery			Inputs			Total Cost
Operation	Month	hrs/ha	Cost \$/hour	Total \$/ha	Rate/ha	Cost \$	Total \$/ha	Total Cost \$/ha
Rip Banks	Nov/Dec	0.22	\$48.80	\$10.89				\$10.89
Disc Plough	Dec/Jan	0.35	\$42.85	\$14.88				\$14.88
Scarify	Feb	0.17	\$45.05	\$7.71				\$7.71
Landplane	Mar	0.17	\$45.05	\$7.71				\$7.71
Bank up	Mar	0.26	\$46.38	\$12.08				\$12.08
Scarify	Mar/Apr	0.17	\$45.05	\$7.71				\$7.71
Sow	May	0.17	\$62.38	\$10.48	100kg/ha	\$0.97/kg	\$97.00	\$107.48
Apply starter fertiliser (eg. DAP)		with above			150kg/ha	\$0.760/kg	\$114.00	\$114.00
Seed treatment eg <i>Triadimenol</i> (Baytan®)		with above			100kg/ha	\$35.30/kg	\$35.30	\$35.30
Tail Drains		0.26	\$46.38	\$12.08				\$12.08
Grass weed spray eg. Pinoxaden+cloquintocetmexyl (Axial®)	Jun	contract		\$10.00	0.30 L/ha	\$127.23/L	\$38.17	\$48.17
Topdress nitrogen fertiliser (eg. broadcast urea)	Jul	0.17	\$62.38	\$10.48	150kg/ha	\$0.662/kg	\$99.30	\$109.78
Spray Fungicide Stripe Rust eg. Triadimefon (Bayleton®)	Sept/Oct	contract		\$10.00	1.00 L/ha	\$9.00/kg	\$9.00	\$19.00
Contract harvest	Dec	contract		\$70.95				\$70.95
Chaser Bin		0.22	\$45.05	\$9.91				\$9.91
Irrigation					3.5ML/ha	\$13.27/ML	\$46.45	\$46.45
Crop Levies					1.02% of on-farm value			\$11.17
Crop Insurance					2.280% of on-farm value			\$25.08

This budget is ONLY A GUIDE and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics.

AGRONOMIC NOTES:

Use of a particular brand name does NOT imply a recommendation of that brand by NSW DPI.

Always read chemical labels and follow directions carefully, as it is your legal responsibility to do so.

Cropcheck:	<ul style="list-style-type: none">- Monitor and record crop performance. Key checks include establishment, weeds, insects, tiller numbers, disease and grain fill.
Rotation:	<ul style="list-style-type: none">- This is the first crop following a rice fallow. Therefore, the budget shows higher land preparation costs.
Varieties:	<ul style="list-style-type: none">- See NSW DPI "<i>Winter crop variety sowing guide 2012</i>" for approved varieties in SNSW- QAL2000 and Yenda. Contact end user for preferred varieties.
Seed + treatment:	<ul style="list-style-type: none">- If using own seed treat with a registered seed dressing. Germination test recommended.- Stripe rust now affects the above biscuit varieties. If sowing stripe rust susceptible varieties, consider fungicide seed dressings such as Triadimenol (eg Baytan®) or Fluquinconazole (eg Jockey®) to prevent yield losses.- With susceptible varieties in-furrow treatments (such as Intake®) may also be an option.- Budgets are based on seed purchased at \$970/tonne.
Protein:	<ul style="list-style-type: none">- Aim for a protein content of 8.0 to 9.5% to optimise returns.
Sowing Time:	<ul style="list-style-type: none">- Yenda for grain only (from late April to mid May) and QAL2000 (2nd week of May till end of May).- See "<i>Winter crop variety sowing guide 2012</i>" for recommended sowing times for each variety.
Disease Control:	<ul style="list-style-type: none">- Budget for a stripe rust seed dressing & at least 1 fungicide spray for stripe rust in the spring. (the total number of sprays depends upon seasonal conditions and varietal susceptibility)
Weed Control:	<ul style="list-style-type: none">- Herbicides are boomsprayed in a dry year and aerial sprayed in a wet year.- An additional broadleaf herbicide may be required if vetch, wireweed, thistles and toadrush are a problem. Refer to "<i>Weed control in winter crops 2012</i>" for alternative herbicides.
Irrigation:	<ul style="list-style-type: none">- Schedule spring irrigations according to plant water use.- Budget allows for a pre-irrigation (1.5ML) and two spring waterings (1ML each).- Spring irrigations will depend on seasonal conditions.- Growers can reduce the effect of waterlogging problems by only pre-irrigating a proportion of intended winter crop area.- Irrigation cost includes the variable cost only.- Water costs used in the MIA budgets are based on 2011-12 prices.- For water costs in other areas, refer to the water prices section.
Machinery:	<ul style="list-style-type: none">- Machinery costs include variable costs only for the tractor, implements and header.- Contract harvesting does not include the cost of fuel.
Labour:	<ul style="list-style-type: none">- The labour required for machinery operations is 2.70 hr/ha.- Using a labour cost of \$22/hr, an additional \$59/ha can be deducted from the budget.
Economic note:	<ul style="list-style-type: none">- These gross margins are only a guide. They do not include overhead costs or GST.- Input and crop prices are correct at the time of writing (April 2012). Market uncertainty makes estimation of future pricing impractical.- Use your own figures and price assumptions to determine your own gross margin.