



WHEAT: Biscuit (Furrow Irrigated - Beds)

Irrigated Winter - 2012

Murrumbidgee Valley

1. GROSS MARGIN BUDGET:

INCOME:

6.50 tonnes/ha @ \$200.0 /t (on farm)

Standard Budget \$/ha	Your Budget \$/ha
\$1,300	

A. TOTAL INCOME \$/ha:

\$1,300	
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VARIABLE COSTS:

See following page for detail

Cultivation.....	\$12	
Sowing.....	\$107	
Fertiliser.....	\$247	
Herbicide.....	\$83	
Fungicide.....	\$54	
Contract harvesting.....	\$93	
Levies.....	\$13	
Crop insurance.....	\$30	
Irrigation.....	\$60	
B. TOTAL VARIABLE COSTS \$/ha:	\$700	

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

\$600	
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D. GROSS MARGIN \$/ML:

\$133	
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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	
5.00	\$135	\$232	\$328	\$425	\$522	
5.50	\$206	\$313	\$419	\$525	\$632	
6.00	\$278	\$394	\$510	\$626	\$742	
6.50	\$349	\$475	\$600	\$726	\$852	←
7.00	\$420	\$556	\$691	\$826	\$962	
7.50	\$492	\$637	\$782	\$927	\$1072	
8.00	\$563	\$718	\$873	\$1027	\$1182	

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	
5.00	\$30	\$51	\$73	\$94	\$116	
5.50	\$46	\$69	\$93	\$117	\$140	
6.00	\$62	\$87	\$113	\$139	\$165	
6.50	\$78	\$105	\$133	\$161	\$189	←
7.00	\$93	\$123	\$154	\$184	\$214	
7.50	\$109	\$141	\$174	\$206	\$238	
8.00	\$125	\$160	\$194	\$228	\$263	

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CALENDAR OF OPERATIONS:		Machinery			Inputs			Total
Operation	Month	hrs/ha	Cost \$/hour	Total \$/ha	Rate/ha	Cost \$	Total \$/ha	Total Cost \$/ha
Burn Stubble	Apr/May							
Broadleaf & grass weed control (<i>eg. boom spray glyphosate 450</i>) + <i>Triasulfuron (Logran®)</i>	May	contract		\$10.00	1.00 L/ha	\$4.42/L	\$4.42	\$14.42
		With above			0.35kg/ha	\$63.5/kg	\$22.23	\$22.23
Sow	May	0.17	\$62.38	\$10.48	100kg/ha	\$0.97/kg	\$97.00	\$107.48
Apply starter fertiliser (<i>eg. DAP</i>)		with above			150kg/ha	\$0.760/kg	\$114.00	\$114.00
Seed Treatment <i>eg: Triadimenol (Baytan®)</i>		with above			100kg/ha	\$35.30/kg	\$35.30	\$35.30
Clean furrows		0.26	\$46.38	\$12.08				\$12.08
Grass + broadleaf weed control (<i>eg. boom spray Pinoxaden+cloquintocetmexyl (Axial®) and Bromoxynil + Pyrasulfotole (Velocity®)</i>)	Jun/Jul	contract		\$10.00	0.30 L/ha	\$39.10/L	\$11.73	\$21.73
	Jun/Jul	contract		\$10.00	0.50 L/ha	\$30.00/L	\$15.00	\$25.00
Topdress nitrogen fertiliser (<i>broadcast urea</i>)	Jun/Jul	0.17	\$62.38	\$10.48	185kg/ha	\$0.662/kg	\$122.47	\$132.95
Spray Fungicide Stripe Rust <i>eg. Triadimefon (Bayleton 125EC)</i>	Sept/Oct	contract		\$10.00	1.00 L/ha	\$9.00/L	\$9.00	\$19.00
Contract harvest	Dec	contract		\$82.96				\$82.96
Chaser Bin		0.22	\$45.05	\$9.91				\$9.91
Irrigation					4.5ML/ha	\$13.27/ML	\$59.72	\$59.72
Crop Levies					1.02% of on-farm value			\$13.20
Crop Insurance					2.280% of on-farm value			\$29.64

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">- Sod seeded into burnt maize or soybean stubble. Costs will be higher where beds are constructed for this crop.
Varieties:	<ul style="list-style-type: none">- See NSW DPI "<i>Winter crop variety sowing guide 2012</i>" for approved varieties in SNSW.- Consider Yenda and QAL 2000. Contact end user for preferred varieties.
Seed:	<ul style="list-style-type: none">- If using own seed treat with registered seed dressing. Germination test is recommended.- If sowing stripe rust susceptible varieties, consider fungicide seed dressings such as Triadimenol (eg Baytan®) or Fluquinconazole (eg Jockey®). With susceptible varieties in-furrow treatments (such as Intake® or Triadimefon) 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 late April. QAL 2000 from mid May.- See NSW DPI "<i>Winter crop variety sowing guide 2012</i>" for recommended sowing windows for each variety.
Disease Control:	<ul style="list-style-type: none">- Budget for a stripe rust seed dressing and at least 1 fungicide spray for stripe rust in spring. (The total number of sprays depends upon seasonal conditions and varietal susceptibility)- These biscuit wheat varieties are susceptible so need to be fully protected.
Weed Control:	<ul style="list-style-type: none">- Herbicides are boomsprayed in a dry year and aerial sprayed in a wet year.- Budget contains costs for post-emergent herbicides but post-emergent herbicides may not be required on crops following maize.- Refer to NSW DPI "<i>Weed control in winter crops 2012</i>" for alternative herbicides.
Irrigation:	<ul style="list-style-type: none">- Water-up beds and schedule spring irrigations according to plant water use. Budget allows for watering up (water use of 1.5ML/ha) and three spring irrigations (1ML/ha each). Irrigation requirements will depend on seasonal conditions.- Irrigation cost includes the variable cost only- Water costs used in the MIA budgets are based on 2011-12 prices.- For prices 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.
Bed Cropping:	<ul style="list-style-type: none">- Bed cropping may require additional capital investment in equipment from \$2,000 to \$20,000.
Labour:	<ul style="list-style-type: none">- The labour required for machinery operations is 1.02 hr/ha.- Using a labour cost of \$22/hr, an additional \$22/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.