



MAIZE - GRIT (rows / beds)

Farm Enterprise Budget Series - Murrumbidgee Valley/Lachlan valley

Summer 2011/2012

1. GROSS MARGIN BUDGET:

INCOME:

11.00 t/ha @ \$330.00 /t (on farm)

Standard Budget \$/ha	Your Budget \$/ha
\$3,630	

A. TOTAL INCOME \$/ha:

\$3,630	
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VARIABLE COSTS:

See following page for detail

Cultivation.....	\$43	
Sowing.....	\$261	
Fertilizer.....	\$545	
Herbicide.....	\$55	
Insecticide.....	\$26	
Irrigation.....	\$119	
Levies & Insurance.....	\$91	
Harvest.....	\$190	
B. TOTAL VARIABLE COSTS \$/ha:	\$1,331	

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

\$2,299	
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D. GROSS MARGIN \$/ML:

\$255	
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SENSITIVITY TABLES

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

YIELD t/ha	On Farm Price				
	\$310 /t	\$320 /t	\$330 /t	\$340 /t	\$350 /t
8.00	\$1,230	\$1,306	\$1,381	\$1,457	\$1,533
9.50	\$1,660	\$1,750	\$1,840	\$1,930	\$2,020
11.00	\$2,090	\$2,194	\$2,299	\$2,403	\$2,507
12.50	\$2,520	\$2,638	\$2,757	\$2,876	\$2,994
14.00	\$2,950	\$3,083	\$3,216	\$3,349	\$3,481

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

YIELD t/ha	On Farm Price				
	\$310 /t	\$320 /t	\$330 /t	\$340 /t	\$350 /t
8.00	\$137	\$145	\$153	\$162	\$170
9.50	\$184	\$194	\$204	\$214	\$224
11.00	\$232	\$244	\$255	\$267	\$279
12.50	\$280	\$293	\$306	\$320	\$333
14.00	\$328	\$343	\$357	\$372	\$387

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Operation	Month	Machinery			Inputs			Total Cost \$/ha	
		hrs/ha	Cost \$/hour	% of area	Total \$/ha	Rate/ha	Cost		Total \$/ha
Deep rip	Feb	0.22	48.80		\$10.89				\$10.89
Hill up		0.26	46.38		\$12.08				\$12.08
<i>Broadleaf & grass weed control eg: aerial spray glyphosate 450</i>	August	contract			\$15.00	0.80 L/ha	\$3.64/L	\$2.91	\$17.91
<i>Apply nitrogen fertiliser eg: apply urea</i>	Aug/Sep	0.28	46.71		\$13.08	350kg/ha	\$677.00/t	\$236.95	\$250.03
<i>Apply starter fertiliser eg: MAP</i>	Aug/Sep	with above				185kg/ha	\$848/t	\$156.88	\$156.88
<i>Pre emergent weed control eg: boom spray s-metolachlor + atrazine (Primextra Gold®)</i>	Sep/Oct	0.05	41.38		\$2.23	3.20 L/ha	\$11.02/L	\$35.26	\$37.49
<i>Apply zinc fertiliser eg: boom spray zinc hepta hydrate</i>		with above				3kg/ha	\$1.05/kg	\$3.15	\$3.15
Incorporate/Shape beds	Sep	0.26	46.38		\$12.08				\$12.08
Tail drain maintenance	Sep/Oct	0.78	19.70	2%	\$0.31				\$0.31
Sow	Oct/Nov	0.14	56.31		\$7.82	1.1 bags/ha	\$230/bag	\$253.00	\$260.82
<i>Wireworm control eg: apply terbufos (Counter150 G®)</i>		with above				2kg/ha	\$12.81/kg	\$25.62	\$25.62
<i>Apply nitrogen fertiliser eg: water run urea</i>	Nov/Dec/Jan					200kg/ha	\$677.00/t	\$135.40	\$135.40
Inter row cultivate	Nov/Jan	0.17	45.05		\$7.71				\$7.71
Harvest	Mar/Apr/May	contract				11.0 t/ha	\$16.00/t	\$176.00	\$176.00
Chaser bin		0.32	45.05		\$14.19				\$14.19
Irrigation*						9.0ML/ha	\$13.27/ML	\$119.43	\$119.43
Crop levy (farm gate value)						\$3,630	0.70%	\$25.41	\$25.41
Crop insurance (estimated crop value)						\$3,630	1.82%	\$66.07	\$66.07

The budget is ONLY A GUIDE and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics. Estimated prices are GST - exclusive

AGRONOMIC NOTES	See <i>Summer Crop Guide 2009-10 I&I NSW</i>
Prices -	- The contracted price for maize varies each season. Contracts become available in July / August and are normally filled quickly by long term maize growers.
Rotation -	- Commonly grown as the first crop in the rotation or in a maize - fallow - cotton rotation or maize-wheat rotation.
Varieties	- Variety is determined by contract and end use. Grit maize is used for cornflakes, cornchips and stockfeed. Waxy maize is used for starch products. High amylose maize is significantly lower yielding, but attracts higher prices. New varieties offer higher yield potential.
Weed Control	- Application of s-metalachlor + Atrazine (Primextra Gold ®) for the control of some grass and broadleaf weeds. Extra s-metalachlor (Dual Gold®) may be added to s-metalachlor + atrazine (Primextra Gold®) where barnyard grass infestations are heavy.
Insect Control	- Application of terbufos (Counter 150 G®) is for the control of wireworms. - Mice could be a major threat to establishing maize crops. Monitor crops and apply registered baits if required.
Irrigation	- The MIA variable water costs are used in the budget. The budget is based on the assumption of 50% water allocation. For water costs in other irrigation districts or river pumpers, check Murrumbidgee irrigation web site. For water costs in the CIA, please go to the web site for the appropriate irrigation authority.
Drying	- May not be required on short to medium season hybrids if sown early. Drying costs are not included in this budget but should be factored in one year in five.
Machinery	- Machinery costs include variable costs only for the tractor and implements. Two tractors of 57 kW (77 HP) PTO and 66 kW (90 HP) engine; and of 141 kW (190 HP) PTO and 148 kW (225 HP) engine are assumed.
More information	- See Maize, Growth and Development, Procrop Publication, NSW Bookshop. - Maize Association of Australia website www.maizeaustralia.com.au , (Industry contacts).

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