

Oats/Wheat: Grazing/Grain (Short Fallow)

Central Zone - East

Winter 2012

1. GROSS MARGIN BUDGET:

INCOME:

Grain - Oats:	2.20	tonnes/ha @	\$140 /tonne (on farm) (feed)
Grain - Wheat:	3.20	tonnes/ha @	\$265 /tonne (on farm) (feed)
Grazing Oats:	2.4 hd/ha @	1.00 kg/d x	80 days x \$1.90/kg
Grazing Wheat:	2.4 hd/ha @	1.00 kg/d x	80 days x \$1.90/kg

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:

See opposite page for detail

Cultivation.....	
Sowing.....	
Fertiliser.....	
Fungicide.....	
Herbicide.....	
Insecticide.....	
Contract-harvesting.....	
Levies.....	

Crop Insurance.....	
Cartage, grading & bagging.....	

B. TOTAL VARIABLE COSTS \$/ha:

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

Oats Standard Budget \$/ha	Wheat Standard Budget \$/ha	Your Budget \$/ha
\$308.00		
	\$848.00	
\$364.80		
	\$364.80	
\$672.80	\$1,212.80	
\$9.77	\$9.77	
\$81.65	\$98.81	
\$199.86	\$211.17	
0.00	\$11.31	
\$45.87	\$45.87	
\$0.00	\$0.00	
\$50.40	\$62.40	
\$3.15	\$8.65	
\$6.31	\$17.38	
\$0.00	\$0.00	
\$397.02	\$465.36	
\$275.78	\$747.44	

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

Oats

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)				
	\$100 /t	\$120 /t	\$140 /t	\$160 /t	\$180 /t
1.20	\$96	\$119	\$142	\$166	\$189
1.70	\$144	\$177	\$210	\$243	\$276
2.20	\$190	\$233	\$276	\$318	\$361
2.70	\$233	\$285	\$338	\$390	\$442
3.20	\$275	\$337	\$399	\$462	\$524
3.70	\$318	\$390	\$461	\$533	\$605

Gross Margin (\$/ha)

Wheat

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)				
	\$225 /t	\$245 /t	\$265 /t	\$285 /t	\$305 /t
2.20	\$417	\$460	\$503	\$545	\$588
2.70	\$520	\$573	\$625	\$677	\$730
3.20	\$623	\$685	\$747	\$809	\$872
3.70	\$726	\$798	\$870	\$942	\$1,013
4.20	\$829	\$911	\$992	\$1,074	\$1,155
5.20	\$1,036	\$1,136	\$1,237	\$1,338	\$1,439
6.20	\$1,242	\$1,362	\$1,482	\$1,602	\$1,722

Gross Margin (\$/ha)

PRODUCT TRADE NAMES

The product trade names in this publication are supplied on the understanding that no preference between equivalent products is intended and that the inclusion of a product does not imply endorsement by NSW DPI over any other equivalent product from another manufacturer.

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CALENDAR OF OPERATIONS:

Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hr/ha	Cost \$/hour	Total \$/ha	rate/ha	Cost \$	Total \$/ha	
Weed control eg: glyphosate 450 g/L (Roundup CT®)	Dec	0.05	53.40	\$2.88	1.20 L	\$4.68/L	\$5.62	\$8.49
Wetter eg. alkoxyated alcohol 1000 g/L (BS 1000®)	Dec	with above			0.20 L	\$7.00/L	\$1.40	\$1.40
Weed control eg: triclopyr 600 g/L (Garlon®)	Dec	with above			0.08 L	\$19.60/L	\$1.57	\$1.57
Cultivation	Jan	0.17	57.07	\$9.77				\$9.77
Weed control eg: glyphosate 450 g/L (Roundup CT®)	Feb	0.05	53.40	\$2.88	1.00 L	\$4.68/L	\$4.68	\$7.56
Wetter eg. alkoxyated alcohol 1000 g/L (BS 1000®)	Feb	with above			0.20 L	\$7.00/L	\$1.40	\$1.40
Weed control eg: 2,4-D amine 300 g/L (Surpass®)	Feb	with above			1.00 L	\$3.80/L	\$3.80	\$3.80
Sowing - oats	Mar	0.17	74.40	\$12.50	80 kg	\$0.85/kg	\$68.00	\$80.50
Seed dressing eg: Raxil® TSD	Mar	with above			0.05 kg	\$23.00/kg	\$1.150	\$1.15
Sowing - wheat	Mar	0.17	74.40	\$12.50	80 kg	\$0.92/kg	\$73.44	\$85.94
Seed treatment eg: *Jockey Stayer®	Mar	with above			0.240 L	\$53.60/L	\$12.86	\$12.86
Nitrogen fertiliser eg: Urea	Mar	with above			70 kg	\$0.70/kg	\$49.00	\$49.00
Starter fertiliser eg: MAP	Mar	with above			80 kg	\$1.03/kg	\$82.40	\$82.40
Weed control eg: chlorsulfuron 750 g/L (Glean®)	Apr	0.05	53.40	\$2.88	20 g	\$0.08 /g	\$1.60	\$4.48
Wetter eg. alkoxyated alcohol 1000 g/L (BS 1000®)	Apr	with above			0.20 L	\$7.00/L	\$1.40	\$1.40
Nitrogen fertiliser eg: Urea	Jul	0.17	57.07	\$9.77	100 kg	\$0.70/kg	\$70.00	\$79.77
Broadleaf weed control eg: LVE Agritone® 500g/L	Jul	0.17	57.07	\$9.77	0.60 L	\$10.00/L	\$6.00	\$15.77
Foliar Fungicide (wheat only) eg: tebuconazole 430 g/L (Folicur®)	July/Aug	with above			0.145 L	\$39.00/L	\$5.66	\$5.66
Foliar Fungicide (wheat only) eg: tebuconazole 430 g/L (Folicur®)	Sep/Oct	with above			0.145 L	\$39.00/L	\$5.66	\$5.66
Contract-harvest (oats)	Nov	contract		\$50.40				\$50.40
Contract-harvest (wheat)	Nov	contract		\$62.40				\$62.40
Crop Levies - Oats					1.02%	of on-farm value		\$3.15
Crop Insurance - Oats					2.05%	of on-farm value		\$6.31
Crop Levies - Wheat					1.02%	of on-farm value		\$8.65
Crop Insurance - Wheat					2.05%	of on-farm value		\$17.38

*** Input and crop prices are correct at the time of writing (March 2012). Market uncertainty makes estimation of future pricing impractical. Note Export Slaughter Interval (ESI) is seven weeks from time of stock removal from treated crop

NOTES:

Place in rotation:	- Short Fallow: Fallow or weed free period of 5-6 months between harvest of one crop and sowing of the next crop. For example, a paddock harvested in November would create 5-6 month fallow until sowing in May.
Paddock Selection:	- Oats are more tolerant of acid soils than wheat or barley. - Wheat is suited to better soil types.
Seed:	- Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.
Varieties:	- Seek advice from district agronomist or see Winter Crop Variety Sowing Guide - 2012 for variety choice.
Fertiliser:	- A starter fertiliser is recommended at sowing. - Topdressing of urea in June increases dry matter and grain production.
Weed control:	- Rotate herbicide groups and use other non-chemical methods to avoid herbicide resistance developing.
Machinery:	- A tractor with 153 kW (181 HP) pto power and 166 kW (225 HP) engine power is assumed. - Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs. - Contract-harvesting does not include the cost of fuel.
Labour:	- The labour required for machinery operations is 1.26 hr/ha - Using a labour cost of \$22/hr, an additional \$27.81 can be deducted from the budget
Important notes:	- These gross margins are only a guide. They do not include overhead costs. - Use your own figures and price assumptions to estimate your own gross margin. - Use of a particular brand name does not imply a recommendation of that brand by NSW DPI.