



TRITICALE: Short Fallow

Southern Zone - east

Dryland Winter: 2012

1. GROSS MARGIN BUDGET:

INCOME:

3.00 tonnes/ha @ \$150.00 /tonne on farm

A. TOTAL INCOME \$/ha:

Standard Budget \$/ha	Your Budget \$/ha
\$450.00	
\$450.00	

VARIABLE COSTS:

See following page for detail

Cultivation

\$0.00

Sowing

\$33.41

Fertiliser & application

\$137.60

Herbicide & application

\$75.91

Insecticide & application

\$0.00

Contract harvesting

\$37.07

Levies

\$4.59

Crop Insurance

\$10.01

Cartage

\$0.00

B. TOTAL VARIABLE COSTS \$/ha:

\$298.58

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

\$151.42

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)				
	\$90 /t	\$120 /t	\$150 /t	\$180 /t	\$210 /t
1.50	-\$153	-\$110	-\$66	-\$23	\$21
2.00	-\$110	-\$52	\$6	\$64	\$122
2.50	-\$66	\$6	\$79	\$151	\$224
3.00	-\$23	\$64	\$151	\$238	\$326
3.50	\$21	\$122	\$224	\$326	\$427
4.00	\$61	\$177	\$293	\$409	\$525
4.50	\$98	\$229	\$360	\$490	\$621

Gross
Margin
(\$/ha)

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CALENDAR OF OPERATIONS:

Operation	Month	Machinery			Inputs			Total Cost \$/ha
		Cost hrs /ha	Cost \$/hour	Total \$/ha	Cost Rate/ha	Cost \$	Total \$/ha	
Broad leaf and grass weed control eg ground spray glyphosate 450 and 2,4-D 600LVE	Jan/Feb	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$10.11
Fallow broadleaf & grass weed control eg ground spray glyphosate 450	With above				0.90 L/ha	\$11.61/L	\$10.45	\$10.45
Burn	Feb/Mar	0.05	70.67	\$3.81	1.25 L/ha	\$4.20/L	\$5.25	\$9.06
Broadleaf and grass weed control eg. ground spray glyphosate 450	March							
Pre-emergent residual soil herbicide eg ground spray chorasulfuron (Glean®)	May	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$11.80
Sow (seed cost is based on farmer's own seed)	May	0.17	91.67	\$15.41	0.02kg/ha	\$132.20 /kg	\$2.64	\$6.45
Apply starter fertiliser eg. MAP	May	with above			60kg/ha	\$0.30 /kg	\$18.00	\$33.41
In crop grass weed control eg ground spray Tralkoxydim (Achieve®)	June	0.05	70.67	\$3.81	100kg/ha	\$0.76 /kg	\$76.00	\$76.00
Apply nitrogen eg. urea ground spread	July	contract		\$5.50	0.40 L/ha	\$60.60/L	\$24.24	\$28.05
Contract harvest	Dec	contract		\$37.07	85kg/ha	\$0.66 /kg	\$56.10	\$61.60
Research Levy					1.02% of on-farm value			\$4.59
Crop Insurance					2.22% of on-farm value			\$10.01

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.

Varieties:

- See NSW DPI "Winter crop variety sowing guide 2012".

Herbicide Resistance Management:

- Record herbicide groups and rotate groups where possible to avoid developing herbicide resistance on your farm.

Seed:

- Budgets are based on cost of using own seed. Consider retail seed price at \$850/tonne, if growing a new variety.

Sowing time:

- Early May-June depending upon the variety

Soil:

- Out yields other cereals on acid and waterlogged soils. Requires good fertility.

Fertiliser:

- Fertiliser rates should be tailored to the paddocks individual history, with rates varied accordingly on soil phosphorus and nitrogen levels. Soil nutrient tests are recommended prior to any major changes in fertiliser rates, particularly phosphorus as this is very important for early crop growth and potential crop yields.

Prices:

- Monitor market prices throughout the season as prices fluctuate widely. Set target prices.
(Some local contracts with dairy farmers/feedlots may be available)

Labour:

- The labour required for machinery operations is 0.48 hrs/ha
- At \$22/hour this costs: \$10.55 /ha changing the gross margin to \$141 /ha

Machinery:

- A tractor with 141kW (190 HP) pto power and 148 kW (225 HP) engine power is assumed.
- Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs.

Economic note:

- These gross margins are only a guide. They do not include overhead costs or GST.
- Note: 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 estimate your own gross margin.