



# Triticale: Short Fallow

## Central Zone - East

## Winter 2009

### 1. GROSS MARGIN BUDGET:

#### INCOME:

2.50 tonnes/ha @ \$173.00 /tonne (on farm)

#### A. TOTAL INCOME \$/ha:

#### VARIABLE COSTS:

See opposite page for detail

Cultivation.....	\$8.05
Sowing.....	\$57.14
Fertiliser.....	\$92.50
Herbicide.....	\$57.38
Insecticide.....	\$0.00
Contract-harvesting.....	\$54.00
Levies.....	\$4.33
Crop Insurance.....	\$8.87
Cartage, grading & bagging.....	\$0.00

#### B. TOTAL VARIABLE COSTS \$/ha:

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

Standard Budget \$/Ha	Your Budget \$/Ha
\$432.50	
<b>\$432.50</b>	
\$8.05	
\$57.14	
\$92.50	
\$57.38	
\$0.00	
\$54.00	
\$4.33	
\$8.87	
\$0.00	
<b>\$282.26</b>	
<b>\$150.24</b>	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$133 /t	\$153 /t	<b>\$173 /t</b>	\$193 /t	\$213 /t	
1.00	-\$134	-\$115	-\$95	-\$76	-\$57	
1.50	-\$70	-\$41	-\$11	\$18	\$47	
2.00	-\$5	\$34	\$72	\$111	\$150	
<b>2.50</b>	\$53	\$102	<b>\$150</b>	\$199	\$247	←
3.00	\$112	\$170	\$228	\$286	\$344	
3.50	\$170	\$238	\$306	\$374	\$442	
4.00	\$229	\$306	\$384	\$461	\$539	
4.50	\$287	\$374	\$462	\$549	\$636	

#### 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 Department of Primary Industries over any other equivalent product from another manufacturer.

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### CALENDAR OF OPERATIONS:

Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hrs/ha	Cost	Total	Rate/ha	Cost	Total	
			\$/hour	\$/ha		\$	\$/ha	
Weed control eg: glyphosate 450 g/litre	Jan/Feb	0.05	43.36	<b>\$2.34</b>	1.20 L	\$7.38/L	<b>\$8.85</b>	<b>\$11.19</b>
Weed control eg: Garlon®	Jan/Feb	with above			0.12 L	\$29.93/L	<b>\$3.59</b>	<b>\$3.59</b>
Cultivation	Mar	0.17	47.03	<b>\$8.05</b>				<b>\$8.05</b>
Weed control eg: glyphosate 450 g/litre	Apr/May	0.05	43.36	<b>\$2.34</b>	0.80 L	\$7.38/L	<b>\$5.90</b>	<b>\$8.24</b>
Weed control eg: 2,4-D amine (Surpass®)	Apr/May	with above			1.20 L	\$6.22/L	<b>\$7.46</b>	<b>\$7.46</b>
Sowing	May	0.17	64.36	<b>\$10.82</b>	60 kg	\$0.77/kg	<b>\$46.32</b>	<b>\$57.14</b>
Nitrogen fertiliser eg: Urea	May	with above			40 kg	\$0.85/kg	<b>\$34.00</b>	<b>\$34.00</b>
Starter fertiliser eg: MAP	May	with above			60 kg	\$0.98/kg	<b>\$58.50</b>	<b>\$58.50</b>
Grass weed control eg: Diclofop-methyl (Hoegrass®)	Jun	0.05	43.36	<b>\$2.34</b>	1.00 L	\$17.33/L	<b>\$17.33</b>	<b>\$19.67</b>
Broadleaf weed control eg: MCPA LVE®	Jul	0.05	43.36	<b>\$2.34</b>	0.50 L	\$9.81/L	<b>\$4.90</b>	<b>\$7.24</b>
Contract-harvest	Dec	contract		<b>\$54.00</b>				<b>\$54.00</b>
Crop Levies					1.00%	of on-farm value		<b>\$4.33</b>
Crop Insurance					2.05%	of on-farm value		<b>\$8.87</b>

\*\*\* Input and crop prices are correct at the time of writing (March 2009). Market uncertainty makes estimation of future pricing impractical.

### NOTES:

- Soil:** - Suitable crop for growing on light textured acid soils with moderate to high aluminium levels.
- Seed:** - Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.
- Place in rotation:** - Can be grown in rotation with oats or a legume crop such as lupins on acid soils.  
- Short Fallow: Fallow or weed free period of 5-6 months between harvest of one crop and sowing of the next crop.
- Weed control:** - Weed control, if required, should be implemented within 6-8 weeks of sowing to limit yield loss.  
- Glyphosate for fallow weed control. MCPA® for broadleaf winter weeds, and diclofop-methyl for ryegrass/wild oats control. A wide range of herbicides can be used.  
- Rotate herbicide groups and use other non-chemical methods to avoid herbicide resistance developing.
- Machinery:** - 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 0.69 hrs/ha  
- Using a labour cost of \$14/hr, an additional \$9.71 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 Department of Primary Industries.