



OATS: Grazing & Grain (Short Fallow)

Southern Zone - West

Dryland Winter 2012

1. GROSS MARGIN BUDGET:

	Standard Budget \$/ha	Your Budget \$/ha
INCOME:		
1.6 tonnes/ha @ \$140 /t on farm (feed)	\$224	
2 beasts/ha @ 1.00 kg/day x 75 days x \$1.80/kg	\$270	
A. TOTAL INCOME \$/ha:	\$494	
VARIABLE COSTS:		
see opposite page for details		
Cultivation	\$51	
Sowing	\$28	
Fertiliser	\$76	
Herbicide	\$9	
Contract harvesting	\$37	
Levies	\$2	
Crop Insurance	\$5	
Cartage	\$0	
B. TOTAL VARIABLE COSTS \$/ha:	\$207	
C. GROSS MARGIN (A-B) \$/ha:	\$287	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$100 /t	\$120 /t	\$140 /t	\$160 /t	\$180 /t	
0.60	\$165	\$177	\$188	\$200	\$211	←
1.10	\$213	\$235	\$256	\$277	\$299	
1.60	\$262	\$293	\$287	\$355	\$386	
2.10	\$310	\$351	\$391	\$432	\$473	
2.60	\$359	\$409	\$459	\$509	\$560	

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CALENDAR OF OPERATIONS:								
Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hrs /ha	Cost \$/hour	Total \$/ha	Rate/ha	Cost \$	Total \$/ha	
Harrow	Mar	0.17	\$47.90	\$8.14				\$8.14
Scarify	Mar/Apr	0.35	\$72.14	\$25.25				\$25.25
Wideline	Apr	0.20	\$85.84	\$17.17				\$17.17
Sow (seed cost is based on farmer's own seed)	Apr	0.17	\$91.67	\$15.58	40 kg/ha	\$0.30/kg	\$12.00	\$27.58
Starter fertiliser eg: DAP		with above			100 kg/ha	\$760/t	\$76.00	\$76.00
Broadleaf weed control: eg chlorsulfuron (Glean®)	Jun	0.05	\$53.37	\$2.87	0.02 kg/ha	\$132/t	\$2.64	\$5.51
Broadleaf weed control: eg MCPA LVE		with above			0.50 L/ha	\$6.76/L	\$3.38	\$3.38
Contract harvest	Nov	contract		\$37.07				\$37.07
Crop Levies					1.02%	of on-farm value		\$2.27
Crop Insurance					2.22%	of on-farm value		\$4.98

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:** - Monitor and record crop performance. Key checks include establishment, weeds, insects, tiller numbers, disease and grain fill.
- Rotation:** - Sown as a second crop in a rotation of wheat long fallow.
- Varieties:** - See NSW DPI *Winter crop variety sowing guide 2012*.
- Seed:** - Using own seed treat with registered seed dressing.
- Budgets are based on cost of using own seed. Consider retail seed price at \$850/tonne, if growing a new or hybrid variety.
- Sowing date:** - Increase seeding rate if sowing time is delayed beyond 31st May.
- See *Winter crop variety sowing guide 2012* for recommended sowing window for each variety.
- Weed control:** - See *Weed control in winter crops 2012*. Good weed control is required in previous years.
- Chlorsulfuron (eg. Glean®) is the only herbicide available for the control of ryegrass in oats.
- Beware of residual effect of some herbicides eg chlorsulfuron on high pH soils
- Timing of chlorsulfuron application is crucial for crop safety and weed control.
- Grazing:** - Do not graze lower than 10cm, and remove stock before first node stage.
- Grains yields may be improved by topdressing with urea after grazing.
- Machinery:** - A tractor with 149 kW (200 HP) pto power and 177kW (240 HP) engine power is assumed.
- Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs.
- Labour:** - The labour required for machinery operations is 1.18 hrs/ha.
- At \$22/hour this costs: \$25.96 /ha changing the gross margin to \$260.68 /ha
- Economic note:** - These gross margins are only a guide. They do not include overhead costs or GST.
- Use your own figures and price assumptions to estimate your own gross margin.