

Oats-grain: Short Fallow [No-till]

Central Zone - West

Winter 2012

CALENDAR OF OPERATIONS:

Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hrs /ha	Cost \$/hour	Total \$/ha	rate/ha	Cost \$	Total \$/ha	
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Dec/Jan	0.03	76.36	\$2.50	1.20 L	\$8.67/L	\$10.40	\$12.90
Weed control eg: triclopyr 600 g/L (Garlon®)	Dec/Jan	with above			0.12 L	\$19.60/L	\$2.35	\$2.35
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Dec/Jan	0.03	76.36	\$2.50	1.20 L	\$8.67/L	\$10.40	\$12.90
Weed control eg: 2,4-D amine 300 g/L (Surpass®)	Dec/Jan	with above			1.00 L	\$3.80/L	\$3.80	\$3.80
Nitrogen fertiliser eg: Urea	May	0.12	104.36	\$12.22	40 kg	\$0.70/kg	\$28.00	\$40.22
Sowing	May	0.12	104.36	\$12.22	40 kg	\$0.85/kg	\$34.00	\$46.22
Starter fertiliser eg: MAP	May	with above			60 kg	\$1.03/kg	\$61.80	\$61.80
Early post-emergent weed control eg. chlorsulfuron 750 g/kg (Glean®)	Jun	0.03	76.36	\$2.50	20 g	0.08 /g	\$1.60	\$4.10
Contract-harvest	Nov	contract		\$50.40				\$50.40
Crop Levies					1.02%	of on-farm value		\$3.14
Crop Insurance					1.03%	of on-farm value		\$3.16

*** Input and crop prices are correct at the time of writing (March 2012). Market uncertainty makes estimation of future pricing impractical.

NOTES:

Soil type:

- Oats is more suited to the light sandy acid soils than wheat or barley (except Coolabah).

Seed:

- Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.

Place in rotation:

- Useful acid soil tolerant cereal crop.

- Short Fallow: Fallow or weed free period of 5-6 months between harvest of one crop and sowing of the next crop. For example, canola harvested in November would be under a 5-6 month fallow until sowing in the next May.

Weed control:

- Timing of fallow herbicide applications will vary according to rainfall.

- Many grassweed control options available in wheat and barley are not able to be used in oats.

- An additional knockdown herbicide application (i.e. glyphosate 540 g/L @ 1.0 L/ha) should be considered if weeds are present at the time of sowing.

- Chlorsulfuron (i.e. Glean®) however, can be used (post emergent) to control annual ryegrass.

- Chlorsulfuron also controls some broadleaf weeds.

- Rotate herbicide groups and use other non-chemical methods to delay herbicide resistance.

Machinery:

- A tractor with 196 kW (263 HP) pto power and 242kW (325 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 0.19 hr/ha

- Using a labour cost of \$22/hr, an additional \$4.12 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.