

Cereal Rye: Short Fallow

Central Zone - East

Winter 2009

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 450 g/litre	Dec/Jan	0.05	43.36	\$2.34	1.20 L	\$7.38/L	\$8.85	\$11.19
Weed control eg: Garlon®	Dec/Jan	with above			0.12 L	\$29.93/L	\$3.59	\$3.59
Cultivation	Feb	0.17	47.03	\$8.05				\$8.05
Weed control eg: glyphosate 450 g/litre	Apr/May	0.05	43.36	\$2.34	0.80 L	\$7.38/L	\$5.90	\$8.24
Weed control eg: 2,4-D amine (Surpass®)	Apr/May	with above			1.20 L	\$6.22/L	\$7.46	\$7.46
Sowing	May	0.17	64.36	\$10.82	60 kg	\$1.00/kg	\$60.00	\$70.82
Nitrogen fertiliser eg: Urea	May	with above			40 kg	\$0.85/kg	\$34.00	\$34.00
Starter fertiliser eg: MAP	May	with above			60 kg	\$0.98/kg	\$58.50	\$58.50
Broadleaf weed control eg: MCPA LVE®	Jun	0.05	43.36	\$2.34	0.50 L	\$9.81/L	\$4.90	\$7.24
Early post-emergent weed control eg: Chlorsulfuron (Glean®)	Jun	0.05	43.36	\$2.34	20 g	\$0.12/gm	\$2.35	\$4.69
Contract-harvest	Dec	contract		\$48.00				\$48.00
Crop Levies					1.01%	of on-farm value		\$5.79
Crop Insurance					2.05%	of on-farm value		\$11.81

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

NOTES:

Paddock selection:

- Light textured acid soils with moderate to high aluminium levels where it will out-yeild both wheat and barley.
- On wheat growing soils, cereal rye will generally yield 50 - 60% of wheat yield.
- 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 allow for a 5-6 month fallow until sowing in May.

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

Weed control:

- Weed control should be implemented 6 - 8 weeks after sowing to avoid yield loss.
- Chlorsulfuron can be applied early post-emergent for grass and broadleaf weed control.
- Rotate herbicide groups and use other non-chemical methods to avoid herbicide resistance developing.
- Does not recover as well as oats from heavy grazing. Grain yield may be 50% of ungrazed crops.

Grazing:

- Due to variation in prices it should be grown under contract with millers.

Marketing:

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 recommendation of that brand by NSW Department of Primary Industries.