

Faba Beans: Short Fallow (No-till)

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	Jan/Feb	0.05	43.36	\$2.34	1.20 L	\$7.38/L	\$8.85	\$11.19
Weed control eg: Garlon®	Jan/Feb	with above			0.12 L	\$29.93/L	\$3.59	\$3.59
Weed control eg: glyphosate 450 g/litre	Apr	0.05	43.36	\$2.34	1.00 L	\$7.38/L	\$7.38	\$9.71
Weed control eg: 2,4-D amine (Surpass®)	Apr	with above			1.20 L	\$6.22/L	\$7.46	\$7.46
Sowing seed	Apr/May	0.17	64.36	\$10.82	110 kg	\$1.09/kg	\$119.90	\$130.72
Phosphorus fertiliser eg: Single Super	Apr/May	with above			130 kg	\$0.59/kg	\$76.05	\$76.05
Weed control eg: pre-emergent Simazine 500®	Apr/May	0.05	43.36	\$2.34	2.00 L	\$9.60/L	\$19.20	\$21.54
Grass weed control eg: haloxyfop (Verdict®)	Jun/July	0.05	43.36	\$2.34	0.06 L	\$96.88/L	\$5.81	\$8.15
Disease control eg: mancozeb (Dithane®)	Jun/july	with above			2.00 kg	\$11.00/kg	\$22.00	\$22.00
Disease control eg: mancozeb (Dithane®)	Aug	0.05	43.36	\$2.34	2.00 kg	\$11.00/kg	\$22.00	\$24.34
Disease control eg: mancozeb (Dithane®)	Sept	0.05	43.36	\$2.34	2.00 kg	\$11.00/kg	\$22.00	\$24.34
Heliathis control eg: alpha-cypermethrin Fastac Duo®	Oct	contract		\$18.15	0.30 L	\$10.50/L	\$3.15	\$21.30
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Desiccation eg: Roundup PowerMax®	Oct	contract		\$18.15	1.80 L	\$10.67/L	\$19.20	\$37.35
Contract-harvest	Nov			\$50.00				\$50.00
Crop Levies					1.02%	of on-farm value		\$6.12
Crop Insurance					3.08%	of on-farm value		\$18.45

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

NOTES:

Soils:	- Suited to the better clay loam and heavy self mulching clay soils. - Soils should be well drained.
Place in rotation:	- Useful as a break crop in cereal rotations for disease control, weed control and nitrogen benefits for following cereal crops. - Short Fallow: Fallow or weed free period of 5-6 months between harvest of one crop and sowing of the next crop.
Inoculation:	- Group F inoculum is essential.
Fertiliser:	- Single super is one of many available alternatives. Adequate levels of phosphorus and sulfur should be applied.
Seed:	- Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.
Insect control:	- Monitor from flowering through to podding for heliothis.
Weed control	- Grass control with fluazifop, haloxyfop, quizalafop, sethoxydim or clethodim herbicides. - Weed control is critical pre-emergent broadleaf weed control herbicide is essential.
Fungicide:	- Fungicide programs are required to control chocolate spot and rust.
Machinery:	- A tractor with 149 kW (200 HP) pto power and 177 kW (240 HP) engine power is assumed. - 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 0.61 hrs/ha
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.

This budget is ONLY A GUIDE and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics.