

Faba Beans: Short Fallow (No-till)

Central Zone - East

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 450 g/L (Roundup CT®)	Jan/Feb	0.05	53.40	\$2.88	1.20 L	\$4.68/L	\$5.62	\$8.49
Wetter eg. alkoxyated alcohol 1000 g/L (BS 1000®)	Jan/Feb	with above			0.20 L	\$7.00/L	\$1.40	\$1.40
Weed control eg: triclopyr 600 g/L (Garlon®)	Jan/Feb	with above			0.08 L	\$19.60/L	\$1.57	\$1.57
Weed control eg: glyphosate 450 g/L (Roundup CT®)	Mar/Apr	0.05	53.40	\$2.88	1.00 L	\$4.68/L	\$4.68	\$7.56
Wetter eg. alkoxyated alcohol 1000 g/L (BS 1000®)	Mar/Apr	with above			0.20 L	7.00 L	\$1.40	\$1.40
Weed control eg: 2,4-D amine 300 g/L (Surpass®)	Mar/Apr	with above			1.20 L	\$3.80/L	\$4.56	\$4.56
Sowing seed	Apr/May	0.17	74.40	\$12.50	160 kg	\$1.45/kg	\$232.00	\$244.50
Fertiliser eg : MAP	Apr/May	with above			100 kg	\$1.03/kg	\$103.00	\$103.00
Weed control eg. pre-emergent eg: simazine 500 g/L (Simazine®)	Apr/May	0.05	53.40	\$2.88	2.00 L	\$6.00/L	\$12.00	\$14.88
Grass weed control eg: haloxyfop 520 g/L (Verdict®)	Jun/July	0.05	53.40	\$2.88	0.06 L	\$61.09/L	\$3.67	\$6.54
Disease control eg: mancozeb 500 g/kg (Dithane®)	Jun/July	with above			2.00 kg	\$9.35/kg	\$18.70	\$18.70
Disease control eg: mancozeb 500 g/kg (Dithane®)	Aug	0.05	53.40	\$2.88	2.00 kg	\$9.35/kg	\$18.70	\$21.58
Disease control eg: mancozeb 500 g/kg (Dithane®)	Sept	0.05	53.40	\$2.88	2.00 kg	\$9.35/kg	\$18.70	\$21.58
Heliothis control eg: alpha-cypermethrin 100 g/L (Fastac Duo®)	Oct	contract		\$18.15	0.30 L	\$8.07/L	\$2.42	\$20.57
Desiccation eg: glyphosate 540 g/L (Roundup PowerMax®)	Oct	contract		\$18.15	1.80 L	\$8.67/L	\$15.61	\$33.76
Contract-harvest	Nov			\$50.00				\$50.00
Crop Levies					1.02%	of on-farm value		\$7.65
Crop Insurance					3.08%	of on-farm value		\$23.06

*** Input and crop prices are correct at the time of writing (March 2012). 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	- Weed control is critical pre-emergent broadleaf weed control herbicide is essential. - Grass control with fluazifop, haloxyfop, quizalafop, sethoxydim or clethodim herbicides.
Fungicide:	- Fungicide programs are required to control chocolate spot and rust.
Machinery:	- A tractor with 153 kW (181 HP) pto power and 166 kW (225 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 hr/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 DPI.