

Faba Beans: Short Fallow (No-till)

Central Zone - West

Winter 2012

CALENDAR OF OPERATIONS:		Machinery			Inputs			Total Cost \$/ha
Operation	Month	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			0.10 L	\$19.60/L	\$1.96	\$1.96
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Feb/Mar	0.03	76.36	\$2.50	1.20 L	\$8.67/L	\$10.40	\$12.90
Broadleaf weed control eg: 2,4-D amine 300 g/L (Surpass®)	Feb/Mar	with above			1.00 L	\$3.80/L	\$3.80	\$3.80
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Apr	0.03	76.36	\$2.50	1.20 L	\$8.67/L	\$10.40	\$12.90
Sowing	Apr/May	0.12	104.36	\$12.22	100 kg	\$1.45/kg	\$145.00	\$157.22
Starter fertiliser (eg: MAP)	Apr/May	with above			100 kg	\$1.03/kg	\$103.00	\$103.00
Weed control eg: simazine 500 g/L (Simazine®)	Apr/May	0.03	76.36	\$2.50	2.00 L	\$6.00/L	\$10.00	\$12.50
Weed control eg: Haloxyfop-R 520 g/L (Verdict®)	June	0.03	76.36	\$2.50	0.075 L	\$61.09/L	\$4.58	\$7.08
Disease control eg: mancozeb 800 g/kg (Dithane m45R®)	July	0.03	76.36	\$2.50	2.00 kg	\$9.35/kg	\$18.70	\$21.20
Disease control eg: mancozeb 800 g/kg (Dithane m45R®)	Aug/Sept	0.03	76.36	\$2.50	2.00 kg	\$9.35/kg	\$18.70	\$21.20
Heliothis control eg: alpha-cypermethrin (Fastac Duo®)	Sept	contract		\$18.15	0.30 L	\$8.07/L	\$2.42	\$20.57
Contract-harvest	Nov	contract		\$50.00				\$50.00
Crop Levies					1.02%	of on-farm value		\$4.59
Crop Insurance					3.08%	of on-farm value		\$13.84

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

NOTES:	
Soils:	- Must be grown on the better clay loam and heavy self mulching clay soils. - Ideally soils should be well drained although faba beans are much more tolerant than chickpeas to waterlogging.
Rotation place:	- 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. For example, wheat harvested in November would be under a 5-6 month fallow until sowing in the next May.
Inoculation:	- With Group F inoculant 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.
Weed control:	- Timing of fallow herbicide application will vary according to rainfall. - An additional knockdown herbicide application (eg. glyphosate 540 g/L @ 1.0 L/ha) should be considered if weeds are present at the time of sowing. - Weed control is critical and a pre-emergent broadleaf weed control herbicide is essential. - Rotate herbicide groups and use other non-chemical methods to delay herbicide resistance.
Fungicide:	- Fungicide is used to control chocolate spot in late Winter and rust in Spring.
Insect control:	- Heliothis must be monitored from flowering through to podding.
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:	- Contract-harvesting does not include the cost of fuel. - Using a labour cost of \$22/hr, an additional \$9.51 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.