



# Faba Beans: 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	<b>\$2.50</b>	1.20 L	\$8.67/L	<b>\$10.40</b>	<b>\$12.90</b>
Weed control eg: triclopyr 600 g/L (Garlon®)	Dec/Jan	with above			0.10 L	\$19.60/L	<b>\$1.96</b>	<b>\$1.96</b>
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Feb/Mar	0.03	76.36	<b>\$2.50</b>	1.20 L	\$8.67/L	<b>\$10.40</b>	<b>\$12.90</b>
Broadleaf weed control eg: 2,4-D amine 300 g/L (Surpass®)	Feb/Mar	with above			1.00 L	\$3.80/L	<b>\$3.80</b>	<b>\$3.80</b>
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Apr	0.03	76.36	<b>\$2.50</b>	1.20 L	\$8.67/L	<b>\$10.40</b>	<b>\$12.90</b>
Sowing	Apr/May	0.12	104.36	<b>\$12.22</b>	100 kg	\$1.45/kg	<b>\$145.00</b>	<b>\$157.22</b>
Starter fertiliser (eg: MAP)	Apr/May	with above			100 kg	\$1.03/kg	<b>\$103.00</b>	<b>\$103.00</b>
Weed control eg: simazine 500 g/L (Simazine®)	Apr/May	0.03	76.36	<b>\$2.50</b>	2.00 L	\$6.00/L	<b>\$10.00</b>	<b>\$12.50</b>
Weed control eg: Haloxyfop-R 520 g/L (Verdict®)	June	0.03	76.36	<b>\$2.50</b>	0.075 L	\$61.09/L	<b>\$4.58</b>	<b>\$7.08</b>
Disease control eg: mancozeb 800 g/kg (Dithane m45R®)	July	0.03	76.36	<b>\$2.50</b>	2.00 kg	\$9.35/kg	<b>\$18.70</b>	<b>\$21.20</b>
Disease control eg: mancozeb 800 g/kg (Dithane m45R®)	Aug/Sept	0.03	76.36	<b>\$2.50</b>	2.00 kg	\$9.35/kg	<b>\$18.70</b>	<b>\$21.20</b>
Heliothis control eg: alpha-cypermethrin (Fastac Duo®)	Sept	contract		<b>\$18.15</b>	0.30 L	\$8.07/L	<b>\$2.42</b>	<b>\$20.57</b>
Contract-harvest	Nov	contract		<b>\$50.00</b>				<b>\$50.00</b>
Crop Levies					1.02%	of on-farm value		<b>\$4.59</b>
Crop Insurance					3.08%	of on-farm value		<b>\$13.84</b>

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

### NOTES:

<b>Soils:</b>	- 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.
<b>Rotation place:</b>	- 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.
<b>Inoculation:</b>	- With Group F inoculant is essential.
<b>Fertiliser:</b>	- Single super is one of many available alternatives, adequate levels of phosphorus and sulfur should be applied.
<b>Seed:</b>	- Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.
<b>Weed control:</b>	- 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.
<b>Fungicide:</b>	- Fungicide is used to control chocolate spot in late Winter and rust in Spring.
<b>Insect control:</b>	- Heliothis must be monitored from flowering through to podding.
<b>Machinery:</b>	- 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.
<b>Labour:</b>	- 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
<b>Important notes:</b>	- These gross margins are only a guide. They do not include overhead costs. - <b>Use your own figures and price assumptions to estimate your own gross margin.</b> - Use of a particular brand name does NOT imply a recommendation of that brand by NSW DPI.