



FABA BEANS: After Cereal (Direct drill)
Southern Zone - east

Dryland Winter: 2012

1. GROSS MARGIN BUDGET:

INCOME:
2.40 tonnes/ha@ \$280.00 /tonne on farm

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:
See following page for detail

	Standard Budget \$/ha	Your Budget \$/ha
	\$672.00	
	\$672.00	
Cultivation	\$0.00	
Sowing	\$82.61	
Fertiliser & application	\$74.20	
Herbicide & application	\$64.22	
Insecticide	\$14.55	
Fungicide & application	\$64.70	
Contract harvesting	\$49.40	
Levies	\$6.85	
Crop Insurance	\$21.42	
Cartage	\$0.00	
B. TOTAL VARIABLE COSTS \$/ha:	\$377.96	
C. GROSS MARGIN (A-B) \$/ha:	\$294.04	

2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$240 /t	\$260 /t	\$280 /t	\$300 /t	\$320 /t	
1.50	-\$5	\$24	\$53	\$81	\$110	
1.80	\$64	\$99	\$133	\$168	\$202	
2.10	\$133	\$173	\$214	\$254	\$294	
2.40	\$202	\$248	\$294	\$340	\$386	←
2.70	\$271	\$323	\$375	\$426	\$478	
3.00	\$340	\$397	\$455	\$512	\$570	
3.30	\$409	\$472	\$535	\$599	\$662	

PRODUCT TRADE NAMES

The product trade names in this publication are supplied on the understanding that no preference between equivalent products is intended and that the inclusion of a product does not imply endorsement by NSW DPI over any other equivalent product from another manufacturer.

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CALENDAR OF OPERATIONS:								
Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hrs /ha	Cost \$/hour	Total \$/ha	Rate/ha	Cost \$	Total \$/ha	
Fallow broadleaf & grass weed control eg ground spray glyphosate 450 and 2,4-D 600LVE	Jan	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$10.11
	With above				0.90 L/ha	\$11.61/L	\$10.45	\$10.45
Fallow broadleaf & grass weed control eg ground spray glyphosate 450	Feb/Mar	0.05	70.67	\$3.81	1.25 L/ha	\$4.20/L	\$5.25	\$9.06
Broadleaf and grass weed control eg ground spray glyphosate 450	Apr/May	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$10.11
Sow (seed cost is based on farmer's own seed)	Apr/May	0.17	91.67	\$15.41	120kg/ha	\$0.50 /kg	\$60.00	\$75.41
Apply seed inoculant		with above			120kg/ha	\$0.060/kg	\$7.20	\$7.20
Apply starter fertiliser - Legume Starter	Apr/May	with above			140kg/ha	\$0.53 /kg	\$74.20	\$74.20
Pre-emergent residual soil herbicide eg ground spray (simazine 500)	Apr/May	0.05	70.67	\$3.81	2.00 L/ha	\$6.00/L	\$12.00	\$15.81
In crop grass weed control eg ground spray haloxyfop-R (Verdict®)	June	0.05	70.67	\$3.81	0.100 L/ha	\$48.90/L	\$4.89	\$8.70
Fungicide for choc. spot eg ground spray mancozeb	June	with above			2.2kg/ha	\$8.65 /kg	\$19.03	\$19.03
Fungicide for ascochyta & choc.spot eg ground spray mancozeb	Aug	0.05	70.67	\$3.81	2.2kg/ha	\$8.65 /kg	\$19.03	\$22.84
As above	Sep	0.05	70.67	\$3.81	2.2kg/ha	\$8.65 /kg	\$19.03	\$22.84
Heliothis control eg. aerial spray lambda-cyhalothrin (Karate®)	Sept/Oct	contract	Aerial	\$9.50	0.036 L/ha	\$140.39/L	\$5.05	\$14.55
Contract harvest	Nov/Dec	contract		\$49.40				\$49.40
Board & Research Levies					1.02%	of on farm value		\$6.85
Crop Insurance					3.19%	of on farm value		\$21.42

NOTES:	<i>Use of a particular brand name does NOT imply a recommendation of that brand by NSW DPI. Always read chemical labels and follow directions carefully, as it is your legal responsibility to do so.</i>
Paddock selection:	- Select paddocks with low broadleaf weed burdens. Good weed control is required in previous years. - Grow faba beans on soils with a pH (CaCl ₂) above 5.2.
Varieties:	- Farah and Nura, preferred due to yield, improved ascochyta blight, chocolate spot tolerance and seed quality.
Rotation:	- Suited to farming systems following a winter cereal.
Herbicide Resistance Management:	- Record herbicide groups and rotate groups where possible to avoid developing herbicide resistance on your farm.
Seed:	- Budgets are based on cost of using own seed. Consider retail seed price at \$1450/tonne, if growing a new or hybrid variety.
Sowing:	- Sowing rate should be adjusted according to seed size, germination percentage and seedling vigour. - If using your own seed, adjust seed price accordingly.
Fertiliser:	- A fertiliser such as Legume Starter is applied because of high phosphorus and sulphur requirements.
Disease control:	- Disease outbreaks in faba beans vary according to seasonal conditions. - Check with your local agronomic adviser for appropriate disease control strategies for your area.
Weed Control:	- Pre emergent herbicides such as simazine, imazethapyr or metribuzin can be used for broadleaf weed control. - Apply appropriate grass selective herbicide according to your herbicide resistance management program.
Labour:	- The labour required for machinery operations is 0.61 hrs/ha. - At \$22/hour this costs: \$13.51 /ha changing the gross margin to \$280.53 /ha
Machinery:	- Machinery costs include variable costs only for the tractor, implements and header. - A tractor with 141kW (190 HP) pto power and 148 kW (225 HP) engine power is assumed.
Economic note:	- These gross margins are only a guide. They do not include overhead costs or GST. Note: Input and crop prices are correct at the time of writing (April 2012). Market uncertainty makes estimation of future pricing impractical. - Use your own figures and price assumptions to estimate your own gross margin.

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.