

Field Peas: Short Fallow (No-till) Central Zone - West

Winter 2012

1. GROSS MARGIN BUDGET:

INCOME:

1.80 tonnes/ha @ \$290.00 /tonne (on farm)

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:

See opposite page for detail

Sowing.....
Fertiliser.....
Herbicide.....
Insecticide.....
Contract-harvesting.....
Levies.....
Crop Insurance.....

Cartage, grading & bagging.....

B. TOTAL VARIABLE COSTS \$/ha:

C. GROSS MARGIN (A-B) \$/ha:

No-Till Standard Budget \$/ha	Your Budget \$/ha
\$522.00	
\$522.00	
\$136.22	
\$72.10	
\$0.00	
\$20.57	
\$50.00	
\$5.30	
\$9.10	
\$0.00	
\$293.28	
\$228.72	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)				
	\$230 /t	\$260 /t	\$290 /t	\$320 /t	\$350 /t
0.90	- \$78	- \$51	- \$25	\$1	\$27
1.20	- \$11	\$25	\$60	\$95	\$130
1.50	\$57	\$100	\$144	\$188	\$232
1.80	\$124	\$176	\$229	\$281	\$334
2.10	\$191	\$252	\$313	\$375	\$436
2.40	\$258	\$328	\$398	\$468	\$538
2.70	\$325	\$404	\$483	\$561	\$640

Gross
Margin
(\$/ha)

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	
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 300g/L (Surpass®)	Feb/Mar with above				1.00 L	\$3.80/L	\$3.80	\$3.80
Sowing seed	May	0.12	104.36	\$12.22	100 kg	\$1.24/kg	\$124.00	\$136.22
Fertiliser eg: MAP	May with above				70 kg	\$1.03/kg	\$72.10	\$72.10
Broadleaf weed control eg: metribuzin 750 g/kg (Sencor 750®)	May	0.03	76.36	\$2.50	0.30 kg	\$36.00/kg	\$10.80	\$13.30
Weed control eg: Haloxypyr-R 520 g/L (Verdict®)	July	0.03	76.36	\$2.50	0.075 L	\$61.09/L	\$4.58	\$7.08
Heliothis control eg: alpha-cypermethrin (Fastac Duo®)	Sep	contract		\$18.15	0.30 L	\$8.07/L	\$2.42	\$20.57
Pre-harvest 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	contract		\$50.00				\$50.00
Crop Levies					1.02%	of on-farm value		\$5.30
Crop Insurance					1.74%	of on-farm value		\$9.10

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

NOTES:

Soils:	- Suitable for lighter textured soils through to the heavier clay soils. Paddocks should be free of sticks and stones for harvesting. Best harvested with crop lifters or a pea front.
Place in rotation	- Useful as a break crop in cereal rotations for disease control, weed control and nitrogen benefits at the lower fertility end of the rotation. - 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 E inoculant is essential.
Seed source:	- Seed should be obtained from central and northern areas and preferably certified growers, to minimise the risk of introducing pea weevil. - Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.
Fertiliser:	- Adequate levels of phosphorus and sulfur should be applied.
Sowing time:	- Ideally mid May to mid June.
Weed control:	- Broader spectrum of broadleaf herbicides available than for other pulse crops. - 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. - Trifluralin for grass weed control if wireweed is present, if not, there are several post emergent options for grass control. - Metribuzin is used for broadleaf weed control in this budget - Rotate herbicide groups and use other non-chemical methods to delay herbicide resistance.
Insect control:	- Crops must be monitored from flowering for pea weevil and heliothis.
Desiccation:	- Desiccation may be required in seasons with wet springs to ensure even ripening. Use Roundup PowerMax® where seed is not being retained for sowing. If retaining seed for sowing consider Reglone®.
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. - Contract-harvesting does not include the cost of fuel.
Labour:	- Using a labour cost of \$22/hr, an additional \$4.12 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.