

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

Winter 2012

1. GROSS MARGIN BUDGET:

INCOME:
2.50 tonnes/ha @ \$290.00 /tonne (on farm)

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:
See opposite page for detail

Sowing..... \$153.96
Fertiliser..... \$103.00
Herbicide..... \$46.60
Insecticide..... \$20.57
Contract-harvesting..... \$50.00
Levies..... \$7.36
Crop Insurance..... \$26.01
Cartage, grading & bagging..... \$0.00

B. TOTAL VARIABLE COSTS \$/ha:

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

Standard Budget \$/ha	Your Budget \$/ha
\$725.00	
\$725.00	
\$153.96	
\$103.00	
\$46.60	
\$20.57	
\$50.00	
\$7.36	
\$26.01	
\$0.00	
\$407.51	
\$317.49	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$210 /t	\$250 /t	\$290 /t	\$330 /t	\$370 /t	
1.60	-\$54	\$7	\$69	\$130	\$191	
1.90	\$6	\$79	\$152	\$224	\$297	
2.20	\$67	\$151	\$234	\$318	\$402	
2.50	\$127	\$222	\$317	\$413	\$508	
2.80	\$187	\$294	\$400	\$507	\$614	
3.10	\$247	\$365	\$483	\$602	\$720	
3.40	\$307	\$437	\$566	\$696	\$826	

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
		hr/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®)	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®)	Apr	with above			0.20 L	7.00 L	\$1.40	\$1.40
Weed control eg: 2,4-D amine 300 g/L (Surpass®)	Apr	with above			1.20 L	\$3.80/L	\$4.56	\$4.56
Sowing - inoculated seed	May	0.17	74.40	\$12.50	110 kg	\$1.29/kg	\$141.46	\$153.96
Fertiliser eg: MAP	May	with above			100 kg	\$1.03/kg	\$103.00	\$103.00
Broadleaf weed control eg: Metribuzin 750 g/L (Sencor®) (post-sow\pre-emergence)	May	0.05	53.40	\$2.88	0.30 kg	\$36.00/kg	\$10.80	\$13.68
Weed control eg: haloxyfop-R 520 g/L (Verdict®)	Jul	0.05	53.40	\$2.88	0.05 L	\$61.09/L	\$3.05	\$5.93
Uptake®	Jul	with above			0.25 L	\$8.07/L	\$2.02	\$2.02
Heliothis control eg: alpha-cypermethrin 100 g/L (Fastac Plus®)	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		\$7.36
Crop Insurance					3.59%	of on-farm value		\$26.01

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

NOTES:

Soils:	<ul style="list-style-type: none"> - Adaptable to many soil types, avoid soil pH_{ca} < 4.8 in both topsoil and subsoil. - Paddock should be level or rolled if necessary to aid harvest management. - Avoid paddock with sticks and stones. Best harvested with crop lifters or a pea front.
Place in rotation:	<ul style="list-style-type: none"> - 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.
Inoculation:	<ul style="list-style-type: none"> - Group E inoculum is essential.
Seed source:	<ul style="list-style-type: none"> - Seed should be obtained from central and northern areas to minimise the risk of pea weevil introduction. - Where possible choose powdery mildew resistant varieties. - Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.
Sowing time:	<ul style="list-style-type: none"> - Ideally mid-May to mid-June.
Fertiliser:	<ul style="list-style-type: none"> - Various fertilisers may be used with choice depending on rates and cost variations.
Weed control:	<ul style="list-style-type: none"> - May require grass control with fluazifop, haloxyfop, quizalafop-ethyl or sethoxydim. - Metribuzin may be used for broadleaf weed control, applied either Post-sow\pre-emergence or early post-emergence (before third node). - Rotate herbicide groups and use other non-chemical methods to avoid herbicide resistance developing.
Insect control:	<ul style="list-style-type: none"> - Crops must be monitored from flowering for pea weevil and heliothis.
Harvest:	<ul style="list-style-type: none"> - Desiccation may be required in seasons with wet springs.
Machinery:	<ul style="list-style-type: none"> - Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs. - A tractor with 153 kW (181 HP) pto power and 166 kW (225 HP) engine power is assumed.
Labour:	<ul style="list-style-type: none"> - The labour required for machinery operations is 0.41 hr/ha - Using a labour cost of \$22/hr, an additional \$9.07 can be deducted from the budget
Important notes:	<ul style="list-style-type: none"> - 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.