



FIELD PEAS: After Cereal - No till
Southern Zone - West

Dryland Winter 2012

1. GROSS MARGIN BUDGET:

INCOME:

1.5 tonnes/ha @ \$220 /t on farm

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:

see opposite page for details

Cultivation

Sowing

Fertiliser

Herbicide

Insecticide

Contract harvesting

Levies

Crop Insurance

Cartage

B. TOTAL VARIABLE COSTS \$/ha:

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

Standard Budget \$/ha	Your Budget \$/ha
\$330	
\$330	
\$12	
\$145	
\$61	
\$43	
\$19	
\$49	
\$3	
\$13	
\$0	
\$346	
(\$16)	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$180 /t	\$200 /t	\$220 /t	\$240 /t	\$260 /t	
1.00	-\$159	-\$140	-\$121	-\$102	-\$83	←
1.50	-\$73	-\$45	-\$16	\$13	\$41	
2.00	\$13	\$51	\$89	\$127	\$165	
2.50	\$148	\$195	\$243	\$290	\$338	

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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	
Broadleaf and grass spray eg: Glyphosate	Dec	0.05	\$53.37	\$2.87	0.80 L/ha	\$4.20/L	\$3.36	\$6.23
Melon grass eg: Garlon®		with above			0.06 L/ha	\$20.30/L	\$1.22	\$1.22
Wetting agent LI700		with above			0.18 L/ha	\$7.00/L	\$0.61	\$0.61
Broadleaf and grass spray eg: Glyphosate	Jan/Feb	0.05	\$53.37	\$2.87	0.80 L/ha	\$4.20/L	\$3.36	\$6.23
Broadleaf control eg: surpass®		with above			0.60 L/ha	\$6.97/L	\$4.18	\$4.18
Wetting agent LI700		with above			0.18 L/ha	\$7.00/L	\$0.61	\$0.61
Broadleaf and grass spray eg: Glyphosate	May	0.05	\$53.37	\$2.87	0.80 L/ha	\$4.20/L	\$3.36	\$6.23
Pre sowing spray eg: IBS Diuron®500		with above			1.50 L/ha	\$7.70/L	\$11.55	\$11.55
Wetting agent LI700		with above			0.18 L/ha	\$7.00/L	\$0.61	\$0.61
Sow	May	0.17	\$91.67	\$15.58	100 kg/ha	\$1.27/kg	\$127.00	\$142.58
Phosphorus and Sulphur fertiliser eg: Grain Legume Super		with above			90 kg/ha	\$680 /t	\$61.20	\$61.20
Seed Inoculant		with above			70 kg/ha	\$0.04/kg	\$2.80	\$2.80
Rolling		0.42	29.28	\$12.30				\$12.30
Grass weed control, eg: sethoxydim (Sertin®)		0.05	\$53.37	\$2.87	0.05 L/ha	\$48.90/L	\$2.45	\$5.32
Aerial spray for insect control eg: alpha-cypermethrin (eg Fastac Duo®)	Sep	contract		\$18.15	0.10 L/ha	\$7.95/L	\$0.80	\$18.95
Contract harvest		contract		\$49.42				\$49.42
Crop Levies					1.02%	of on-farm value		\$3.35
Crop Insurance					3.80%	of on-farm value		\$12.55

NOTES:	
	<p>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.</p>
Cropcheck:	- Monitor and record crop performance. Key checks include establishment, nodulation, weeds, insects, disease and grain fill.
Rotation:	- Pulse crops are used in rotation with cereals to provide good soil nitrogen and break disease cycles and increase yields and protein content in following wheat crop. - Avoid rough paddock surfaces as this leads to harvesting difficulties and grain contamination. - Roll paddock after sowing to press rocks and sticks into soil surface to reduce header damage.
Seed:	- Use only certified seed and test for bacterial blight disease.
Varieties:	- See NSW DPI <i>Winter crop variety sowing guide 2012</i> .
Sowing date:	- Mid May-June. Increase seeding rate if sowing delayed past 31st May.
Sowing rate:	- Adjust rate for seed size and variety and germination %. See <i>Winter crop variety sowing guide 2012</i> for recommended plant populations for each variety.
Weed control:	- See <i>Weed control in winter crops 2012</i> . Weed control will vary between paddocks and seasons. - Wetting agent LI700 is used at 350ml/100L of spray solution, but most farmers spray @50L/ha.
Pest control:	- See <i>Insect and mite control in field crops 2011</i> . - Monitor weekly for pea weevil and heliothis from start of flowering (fumigate carry over seed).
Harvesting:	- Using pea pluckers or crop lifters helps reduce losses in many cases. - Take care during harvesting, transporting and storing to minimise split grain.
Machinery:	- A tractor with 149 kW (200 HP) pto power and 177kW (240 HP) engine power is assumed. - Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs.
Labour:	- The labour required for machinery operations is 0.80 hrs/ha. - At \$22/hour this costs: \$17.71 /ha changing the gross margin to (\$33.66)
Economic note:	- These gross margins are only a guide. They do not include overhead costs or GST. - 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.