



**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	
<b>\$330</b>	
\$12	
\$145	
\$61	
\$43	
\$19	
\$49	
\$3	
\$13	
\$0	
<b>\$346</b>	
<b>(\$16)</b>	

**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	←
<b>1.50</b>	-\$73	-\$45	<b>-\$16</b>	\$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	<b>\$6.23</b>
Melon grass eg: Garlon®		with above			0.06 L/ha	\$20.30/L	\$1.22	<b>\$1.22</b>
Wetting agent LI700		with above			0.18 L/ha	\$7.00/L	\$0.61	<b>\$0.61</b>
Broadleaf and grass spray eg: Glyphosate	Jan/Feb	0.05	\$53.37	\$2.87	0.80 L/ha	\$4.20/L	\$3.36	<b>\$6.23</b>
Broadleaf control eg: surpass®		with above			0.60 L/ha	\$6.97/L	\$4.18	<b>\$4.18</b>
Wetting agent LI700		with above			0.18 L/ha	\$7.00/L	\$0.61	<b>\$0.61</b>
Broadleaf and grass spray eg: Glyphosate	May	0.05	\$53.37	\$2.87	0.80 L/ha	\$4.20/L	\$3.36	<b>\$6.23</b>
Pre sowing spray eg: IBS Diuron®500		with above			1.50 L/ha	\$7.70/L	\$11.55	<b>\$11.55</b>
Wetting agent LI700		with above			0.18 L/ha	\$7.00/L	\$0.61	<b>\$0.61</b>
Sow	May	0.17	\$91.67	\$15.58	100 kg/ha	\$1.27/kg	\$127.00	<b>\$142.58</b>
Phosphorus and Sulphur fertiliser eg: Grain Legume Super		with above			90 kg/ha	\$680 /t	\$61.20	<b>\$61.20</b>
Seed Inoculant		with above			70 kg/ha	\$0.04/kg	\$2.80	<b>\$2.80</b>
Rolling		0.42	29.28	\$12.30				<b>\$12.30</b>
Grass weed control, eg: sethoxydim (Sertin®)		0.05	\$53.37	\$2.87	0.05 L/ha	\$48.90/L	\$2.45	<b>\$5.32</b>
Aerial spray for insect control eg: alpha-cypermethrin (eg Fastac Duo®)	Sep	contract		\$18.15	0.10 L/ha	\$7.95/L	\$0.80	<b>\$18.95</b>
Contract harvest		contract		\$49.42				<b>\$49.42</b>
Crop Levies					1.02%	of on-farm value		<b>\$3.35</b>
Crop Insurance					3.80%	of on-farm value		<b>\$12.55</b>

### NOTES:

**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.**

#### 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 *Winter crop variety sowing guide 2012*.

#### 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 *Winter crop variety sowing guide 2012* for recommended plant populations for each variety.

#### Weed control:

- See *Weed control in winter crops 2012*. 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 *Insect and mite control in field crops 2011*.

- 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.**