



CHICKPEAS: After Cereal: No till
Southern Zone - West

Dryland Winter 2012

1. GROSS MARGIN BUDGET:

INCOME:

1.3 tonnes/ha @ \$440.0 /t on farm

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:

see opposite page for details

Cultivation

Sowing

Fertiliser

Herbicide

Insecticide

Fungicide

Contract harvesting

Levies

Crop Insurance

Cartage

B. TOTAL VARIABLE COSTS \$/ha:

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

Standard Budget \$/ha	Your Budget \$/ha
\$572	
\$572	
\$0	
\$120	
\$61	
\$67	
\$26	
\$0	
\$59	
\$6	
\$16	
\$0	
\$355	
\$217	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)				
	\$420 /t	\$400 /t	\$440 /t	\$480 /t	\$520 /t
0.50	-\$131	-\$141	-\$122	-\$103	-\$83
0.80	-\$10	-\$26	\$5	\$36	\$67
1.30	\$192	\$167	\$217	\$267	\$317
1.80	\$394	\$360	\$429	\$498	\$568
2.30	\$596	\$552	\$641	\$729	\$818

Gross Margin (\$/ha)



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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/ha	\$3.36	\$6.23
Melon control eg Garlon®		with above			0.06 L/ha	\$20.30	\$1.22	\$1.22
Wetting agent LI700		with above			0.18 L/ha	\$7.00	\$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/ha	\$3.36	\$6.23
Broadleaf control eg Surpass®		with above			0.60 L/ha	6.97 L/ha	\$4.18	\$4.18
Wetting agent LI700		with above			0.18 L/ha	7.00 L/ha	\$0.61	\$0.61
Broadleaf and grass spray eg: Glyphosate +	Apr/May	0.05	\$53.37	\$2.87	1.20 L/ha	4.20 L/ha	\$5.04	\$7.91
Wetting agent LI700		with above			0.18 L/ha	7.00 L/ha	\$0.61	\$0.61
Sow	May	0.17	\$91.67	\$15.58	80 kg/ha	\$1.27/kg	\$101.60	\$117.18
Phosphorus and Sulphur fertiliser eg: Grain Legume Super	May	with above			90 kg/ha	\$0.68/kg	\$61.20	\$61.20
Seed Inoculant	May	with above			80 kg/ha	\$0.04/kg	\$3.20	\$3.20
Broadleaf and grass weed control eg prometryn	May	0.05	\$53.37	\$2.87	1.50 L/ha	\$14.48/L	\$21.72	\$24.59
Broadleaf and grass weed control, eg: simazine 500	May	with above			1.50 L/ha	\$6.00/L	\$9.00	\$9.00
Grass weed control: eg haloxyfop (Verdict®)	Jun	0.05	\$53.37	\$2.87	0.06 L/ha	\$48.90/L	\$2.93	\$5.81
Aerial spray for heliothis control eg: esfenvalerate	Sep	contract		\$18.15	0.30 L/ha	\$25.00/L	\$7.50	\$25.65
Contract harvest	Nov/Dec	contract		\$59.31				\$59.31
Crop Levies					1.02%	of on-farm value		\$5.81
Crop Insurance					2.72%	of on-farm value		\$15.54

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, 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, break disease cycles and increase yields and protein content.
- Where suitable machinery is available, stubble retention is preferred over burning for sustainable farming.
- The true budget value from pulse crops should be calculated considering the extra yield in the following wheat crop.
- Soils:** - Prefers well drained loams/self-mulching soils. Sensitive to waterlogging.
- Varieties:** - See NSW DPI *Winter crop variety sowing guide 2012*.
- Weed control:** - Control weeds (especially thistles) in rotation beforehand.
- Herbicides are boom sprayed in a dry year and aerial sprayed in a wet year.
- Wetting agent LI700 is used at 350ml/100L of spray solution, but most farmers spray @50L/ha.
- Sowing date:** - Critical. May - early June.
- Sowing rate:** - Adjust for variety and seed size.
- Disease Control:** - Budget assumes an ascochyta resistant variety
- Fungicide timing is crucial if crop is attacked by ascochyta blight, and varies for more resistant varieties.
- See latest fungicide application guide. See www.pulseaus.com.au for the latest fungicide application guide.
- 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 0.35 hrs/ha.
- At \$22/hour this costs: \$7.64 /ha changing the gross margin \$209.45 /ha
- 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.