



Chickpeas: Short Fallow (No-till) Central Zone - East

Winter 2009

1. GROSS MARGIN BUDGET:

INCOME:

2.40 tonnes/ha @ \$450.00 /tonne (on farm)

A. TOTAL INCOME \$/ha:

VARIABLE COSTS:

See opposite page for detail

Sowing..... \$106.10
 Fertiliser..... \$76.05
 Herbicide..... \$65.56
 Fungicides..... \$40.01
 Insecticide..... \$50.78
 Contract-harvesting..... \$50.00
 Levies..... \$10.96
 Crop Insurance..... \$27.68
 Cartage, grading & bagging..... \$0.00

B. TOTAL VARIABLE COSTS \$/ha:

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

Standard Budget \$/Ha	Your Budget \$/Ha
\$1,080.00	
\$1,080.00	
\$106.10	
\$76.05	
\$65.56	
\$40.01	
\$50.78	
\$50.00	
\$10.96	
\$27.68	
\$0.00	
\$427.13	
\$652.87	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)				
	\$350 /t	\$400 /t	\$450 /t	\$500 /t	\$550 /t
1.80	\$219	\$306	\$393	\$479	\$566
2.00	\$286	\$383	\$479	\$576	\$672
2.20	\$354	\$460	\$566	\$672	\$778
2.40	\$421	\$537	\$653	\$769	\$884
2.60	\$489	\$614	\$740	\$865	\$990
2.80	\$556	\$691	\$826	\$961	\$1,096
3.00	\$624	\$769	\$913	\$1,058	\$1,202

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 Department of Primary Industries over any other equivalent product from another manufacturer.

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.

Chickpeas: Short Fallow (No-till)

Central Zone - East

Winter 2009

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 450 g/litre	Jan/Feb	0.05	43.36	\$2.34	1.20 L	\$7.38/L	\$8.85	\$11.19
Weed control eg: Garlon®	Jan/Feb	with above			0.12 L	\$29.93/L	\$3.59	\$3.59
Weed control eg: glyphosate 450 g/litre	Mar/Apr	0.05	43.36	\$2.34	1.00 L	\$7.38/L	\$7.38	\$9.71
Weed control eg: 2,4-D amine (Surpass®)	Mar/Apr	with above			1.20 L	\$6.22/L	\$7.46	\$7.46
Sowing seed- inoculated and treated seed	May	0.17	64.36	\$10.82	80 kg	\$1.19/kg	\$95.28	\$106.10
Phosphorus fertiliser eg: Single Super	May	with above			130 kg	\$0.59/kg	\$76.05	\$76.05
Weed control eg: Simazine 500® (Post-sow/pre-emergence)	May	0.05	43.36	\$2.34	1.50 L	\$9.60/L	\$14.40	\$16.74
Broadleaf weed control eg: Balance® Post-sow/pre-emergence	May	with above			50 g	\$0.34/L	\$16.88	\$16.88
Disease control eg: mancozeb (Dithane®)	July	0.05	43.36	\$2.34	1.00 kg	\$11.00/kg	\$11.00	\$13.34
Disease control eg: mancozeb (Dithane®)	Aug/Sept	0.05	43.36	\$2.34	1.00 kg	\$11.00/L	\$11.00	\$13.34
Disease control eg: mancozeb (Dithane®)	Oct	0.05	43.36	\$2.34	1.00 kg	\$11.00/L	\$11.00	\$13.34
Heliothis control eg: alpha-cypermethrin (Fastac Duo®)	Oct	contract		\$18.15	0.30 L	\$10.50/L	\$3.15	\$21.30
Desiccate eg: Roundup PowerMax®	Dec	contract		\$18.15	1.00 L	\$10.67/L	\$10.67	\$28.82
Desiccate eg: Ally®	Dec	with above			5.00 g	\$0.13/g	\$0.66	\$0.66
Contract-harvest	Dec			\$50.00				\$50.00
Crop Levies					1.02%	of on-farm value		\$10.96
Crop Insurance					2.56%	of on-farm value		\$27.68

*** Input and crop prices are correct at the time of writing (March 2009). Market uncertainty makes estimation of future pricing impractical.

NOTES:

- Soil:** - Suited to the better loam, clay loam or heavy self mulching clay soils. Soils must be well drained.
- Place in rotation:** - Useful as a break crop later in cereal rotations for disease control, weed control and nitrogen benefits for following cereal crops.
- Should NOT be grown more than one year in four in a paddock.
- Short fallow: Fallow or weed free period of 5-6 months between harvest of one crop and sowing of the next crop.
- Seed:** - Seed price used above is for purchased seed; if using retained seed adjust budget accordingly
- Inoculation:** - Group N inoculum is essential.
- Fertiliser:** - Single super is one of many available alternatives. Adequate levels of phosphorus and sulfur should be applied.
- Fungicide:** - Strategic fungicide programs are required to control the disease Ascochyta in chickpeas.
Program may vary with variety (see Variety Management Package - VMP at www.pulseaus.com.au).
See "Fungicide strategies for the control of ascochyta in chickpeas".
- Weed control:** - Chickpeas are poor weed competitors and weed control is critical and a pre-emergent broadleaf herbicide is essential.
- Optional grass control with fluzifop, haloxyfop, quizalafop, sethoxydim or clethodim herbicides.
- Note: Balance® herbicide is not recommended for use on Yorker chickpeas.
- Insect control:** - Heliothis must be monitored from flowering through to podding.
- Harvest:** - Desiccation is recommended in most seasons to ensure even ripening. Timing is critical.
- Machinery:** - A tractor with 149 kW (200 HP) pto power and 177 kW (240 HP) engine power is assumed.
- Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs.
- Labour:** - Contract-harvesting does not include the cost of fuel.
- The labour required for machinery operations is 0.41 hrs/ha
- Using a labour cost of \$14/hr, an additional \$5.77 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

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.

by NSW Department of Primary Industries