

BROAD LEAF LUPINS: After Cereal - No till

Southern Zone - West

Dryland Winter 2012

1. GROSS MARGIN BUDGET:

	Standard Budget \$/ha	Your Budget \$/ha
INCOME:		
1.5 tonnes/ha @ \$250 /t on farm	\$375	
A. TOTAL INCOME \$/ha:	\$375	
VARIABLE COSTS:		
see opposite page for details		
Cultivation	\$0	
Sowing	\$115	
Fertiliser	\$61	
Herbicide	\$67	
Insecticide	\$9	
Contract harvesting	\$49	
Levies	\$4	
Crop Insurance	\$10	
Cartage	\$0	
B. TOTAL VARIABLE COSTS \$/ha:	\$315	
C. GROSS MARGIN (A-B) \$/ha:	\$60	

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

YIELD tonnes/ha	ON FARM PRICE (\$/tonne)					Gross Margin (\$/ha)
	\$210 /t	\$230 /t	\$250 /t	\$270 /t	\$290 /t	
1.10	-\$78	-\$57	-\$36	-\$15	\$6	←
1.30	-\$38	-\$13	\$12	\$37	\$62	
1.50	\$2	\$31	\$60	\$89	\$118	
1.70	\$43	\$76	\$108	\$141	\$174	
1.90	\$83	\$120	\$156	\$193	\$230	

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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	Apr/May	0.05	53.37	\$2.87	1.20 L/ha	\$4.20/L	\$5.04	\$7.91
Pre sowing spray eg: IBS Treflan®480	with above				1.50 L/ha	\$8.50/L	\$12.75	\$12.75
Wetting agent LI700	with above				0.18 L/ha	\$7.00/L	\$0.61	\$0.61
Broadleaf & grass weed control eg: Simazine 500		0.05	\$53.37	\$2.87	3.00 L/ha	\$6.00/L	\$18.00	\$20.87
Sow	Ap/May	0.17	\$91.67	\$15.58	120 kg/ha	\$0.80/kg	\$96.00	\$111.58
Phosphorus and sulphur fertiliser eg: Grain Legume Super	with above				90kg/ha	\$680/t	\$61.20	\$61.20
Seed Inoculant	with above				75 kg/ha	\$0.04/kg	\$3.00	\$3.00
Grass weed control: eg haloxyfop (Verdict®)		0.05	\$53.37	\$2.87	0.06 L/ha	\$48.90/L	\$2.93	\$5.81
Aerial spray for insect control eg: esfenvalerate (Hallmark® 50 EC)	Sep	contract		\$18.15	0.30 L/ha	\$25.00/L	\$7.50	\$8.55
Contract harvest	Nov	contract		\$49.42				\$49.42
Crop Levies					1.02%	of on-farm value		\$3.81
Crop Insurance					2.72%	of on-farm value		\$10.19

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 of following wheat crops. - True budget value from pulse crops should be calculated considering the extra yield in the following wheat crop.
Seed Dressing:	- Fungicide seed dressing may be required to prevent brown leaf spot.
Sowing Rates:	- 120-180 Kg/ha for broadleaved lupins.
Weed control:	- See NSW DPI <i>Weed Control in Winter Crops 2012</i> . - Brodal® used for the control of wild radish and mustards, cost \$19.84/ha. - 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> . Control insects when thresholds are exceeded.
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 0.28 hrs/ha. - At \$22/hour this costs: \$6.16 /ha changing the gross margin to \$54.04 /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.