



DRYLAND MUNGBEANS (No-Till, Double-crop)

Farm Enterprise Budget Series - North East NSW

Summer 2009-2010

1. GROSS MARGIN BUDGET:

INCOME:

Yield	1.00 tonnes/ha	
0.88 tonnes/ha at	\$600.00 /tonne (clean seed, processing grade).....	\$528.00
0.12 tonnes/ha at	\$200.00 /tonne (gradings).....	\$24.00

Sample Budget \$/ha	Your Budget \$/ha
\$528.00	
\$24.00	

Crop prices were correct at the time of writing (Aug 2009), world market volatility makes estimation of future pricing impractical.

A grading percentage of 12% is assumed, but it will vary according to crop and harvest conditions.

A. TOTAL INCOME \$/ha:

\$552.00	
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VARIABLE COSTS:

see following page(s) for details

Sowing.....	\$62.50	
Fertiliser & application.....	\$43.50	
Herbicide & application.....	\$50.01	
Insecticide & application.....	\$25.08	
Harvesting.....	\$74.94	
Levies and insurance.....	\$29.59	
Grading & bagging.....	\$76.00	

B. TOTAL VARIABLE COSTS \$/ha:

\$361.62	
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C. GROSS MARGIN (A-B) \$/ha:

\$190.38	
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2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

SENSITIVITY TABLE

YIELD t/ha.		\$180 /t	\$190 /t	\$200 /t	\$210 /t	\$220 /t	\$230 /t
gradings	clean seed	\$500 /t	\$550 /t	\$600 /t	\$650 /t	\$700 /t	\$750 /t
0.06	0.44	-\$90	-\$67	-\$45	-\$22	-\$0	\$22
0.08	0.62	-\$13	\$18	\$49	\$81	\$112	\$143
0.10	0.75	\$44	\$82	\$120	\$158	\$196	\$234
0.12	0.88	\$101	\$146	\$190	\$235	\$280	\$325
0.14	1.06	\$177	\$231	\$284	\$338	\$392	\$446
0.17	1.23	\$253	\$316	\$379	\$441	\$504	\$566
0.18	1.32	\$291	\$358	\$426	\$493	\$560	\$627

This budget should be used as a GUIDE ONLY and should be changed by the grower to take account of movements in crop and input prices, changes in seasonal conditions and individual farm characteristics.

Estimated prices are GST-exclusive.

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CALENDAR OF OPERATIONS:		Machinery			Inputs			Total
Operation	Month	hrs /ha	Cost	Total	Rate/ha	Cost	Total	Total Cost \$/ha
			\$/hour	\$/ha		\$	\$/ha	
harvest winter cereal crop	Oct/Nov							
Herbicide - glyphosate CT	Nov	0.05	47.19	2.36	1.5 L	5.21	7.82	10.17
Wetter - non-ionic surfactant		with above			0.2 L	6.86	1.37	1.37
Sowing: Seed + inoculum	Dec	0.18	66.67	12.00	25 kg	2.02	50.50	62.50
Fertiliser - Starter Z	Dec	with above			50 kg	0.87	43.50	43.50
Herbicide - haloxyfop-R 520g	Jan	0.05	47.19	2.36	0.15 L	147.59	22.14	24.50
Crop insurance **	Jan			4.34%				23.96
Insecticide - indoxacarb	Feb	0.05	47.19	2.36	0.4 L	37.16	14.86	17.22
Insecticide - deltamethrin ULV	Mar	0.05	47.19	2.36	0.5 L	11.00	5.50	7.86
Dessicant- Roundup PowerMAX™	Mar	0.05	47.19	2.36	1.5 L	7.74	11.61	13.97
Harvest	Mar	contract		74.94	per ha incl fuel			74.94
Grains Research Levy				1.02%	of farm gate value			5.63
Grading & bagging	May	contract		\$76 /t.				76.00

AGRONOMIC NOTES:

Mungbeans can be an ideal opportunity double crop following winter cereals. Soil moisture profiles must be replenished if satisfactory yields of high quality beans are to be produced. Best suited to loam and heavier soils.

Weeds: Select a paddock free of broad-leaf weeds. Good weed control is essential. To reduce the likelihood of herbicide resistance, rotate herbicide groups and weed management techniques. Ensure weed escapes are controlled before they can set seed.

Pests: Closely monitor crops for thrips, mirids (from pre-budding and flowering), heliothis and green vegetable bug. Deltamethrin is used for green vegetable bug & mirid control and indoxacarb is used for heliothis control in this example.

Fertiliser: If applying phosphate fertiliser, use a fertiliser that contains good levels of sulphur as well, e.g. single superphosphate. Fertiliser requirements should be based on paddock records and soil tests.

Harvest: Use air assist headers to reduce losses at harvest. Harvest costs based on \$70/ha for a crop up to 2.5 t/ha. Communicate with your buyer throughout the season and have storage options available.

Insurance: ** Varies with local government area and postcode, check with your insurer.

For further information, refer to the NSW Department of Primary Industries Agfact, "Mungbeans" P4.2.19 and the NSW DPI "Summer Crop Production Guide 2009-10".

Always read chemical labels and follow directions, as it is your legal responsibility to do so.

Use of a particular brand name does NOT imply recommendation of that brand by I&I NSW.

PRICE: - The price given is for processing grade mungbeans at the time of writing.

Consult marketing sources for more up to date price information.

LABOUR REQUIREMENTS: - labour is not costed in this budget. If labour costs \$20.00 /hr, total labour cost would be \$9.50, reducing the gross margin to \$181 /ha.

MACHINERY ASSUMPTIONS:

Tractor: 130-140 KW PTO (173-180 HP)

Machinery costs refer to variable costs of: fuel, oil, filters, tyres, batteries and repairs.

You may need to add overhead costs as well, please refer to the Tractor and Implement Costs Guide

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