



DRYLAND MAIZE (No-till, feed)

Farm Enterprise Budget Series - North-East NSW

Summer 2012-2013

1. GROSS MARGIN BUDGET:

INCOME:

3.75 tonnes/ha at \$240.00 /tonne (on farm).....

Sample Budget \$/ha	Your Budget \$/ha
\$900.00	

5.5 t/ha is achievable on the Liverpool Plains, but an average range of 3-4 t/ha is more likely. Yields in other areas are on average 2.5-3.5 t/ha. Cartage costs vary, so have not been included. The on-farm price used is after cartage. Crop prices were correct at the time of writing (Aug 2012), world market volatility makes estimation of future pricing impractical.

A. TOTAL INCOME \$/ha:

\$900.00	
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VARIABLE COSTS:

see following page(s) for details

Sowing.....	\$174.37	
Fertiliser & application.....	\$176.17	
Herbicide & application.....	\$109.69	
Insecticide & application.....	\$0.00	
harvesting.....	\$78.74	
Levies and insurance.....	\$44.37	

B. TOTAL VARIABLE COSTS \$/ha:

\$583.35	
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C. GROSS MARGIN (A-B) \$/ha:

\$316.65	
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2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

SENSITIVITY TABLE

YIELD tonnes/ha	On Farm Price					
	\$200 /t	\$220 /t	\$240 /t	\$270 /t	\$320 /t	\$370 /t
1.75	-\$217	-\$182	-\$147	-\$95	-\$8	\$145
2.25	-\$118	-\$73	-\$28	\$39	\$150	\$328
2.75	-\$21	\$34	\$88	\$170	\$307	\$512
3.25	\$73	\$138	\$203	\$299	\$461	\$696
3.75	\$168	\$242	\$317	\$428	\$614	\$879
4.10	\$234	\$315	\$397	\$519	\$722	\$1,008
4.45	\$300	\$388	\$476	\$609	\$830	\$1,137
4.80	\$366	\$461	\$556	\$699	\$938	\$1,265
5.15	\$432	\$534	\$636	\$790	\$1,045	\$1,394
5.50	\$498	\$607	\$716	\$880	\$1,153	\$1,522

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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	
Herbicide - ground spray, 450 g/L glyphosate	Jan	0.05	51.87	2.59	1.6 L	4.50	7.20	9.79
Wetter - non-ionic surfactant	Jan	with above			0.2 L	6.72	1.34	1.34
Herbicide - paraquat + diquat	Jan	0.05	51.87	2.59	2.0 L	9.93	19.86	22.45
Herbicide - ground spray, 450 g/L glyphosate	Apr	0.05	51.87	2.59	1.2 L	4.50	5.40	7.99
Wetter - non-ionic surfactant	Apr	with above			0.2 L	6.72	1.34	1.34
Herbicide - paraquat 250 g/L	Jul	0.05	51.87	2.59	1.2 L	5.96	7.15	9.75
Fertiliser - anhydrous ammonia	Aug	0.20	67.87	13.57	118 kg	0.90	106.20	119.77
Herbicide - ground spray, 450 g/L glyphosate	Sep	0.05	51.87	2.59	1.2 L	4.50	5.40	7.99
Wetter - non-ionic surfactant	Sep	with above			0.2 L	6.72	1.34	1.34
Sowing - thiamethoxam treated seed	Sep	0.20	67.87	13.57	12.0 kg	13.40	160.80	174.37
Fertiliser-* Granulock SuPreme Z	Sep	with above			60 kg	0.94	56.40	56.40
Herbicide - ground spray PSPE	Sep	0.05	51.87	2.59				2.59
Herbicide - s-metolachlor + atrazine	Sep	with above			3.2 L	14.09	45.09	45.09
Crop insurance **	Jan			4.21%				37.89
harvest #	Apr	contract		78.74	per ha incl fuel			78.74
Grains Research Levy				0.72%	of farm gate value			6.48

AGRONOMIC NOTES:

Sowing: Maize can be sown when soil temperatures at 10 cm reach 12°C at 9am (EDST) and on a rising plane, and when the risk of frost is over. Dryland maize should only be grown in the most favourable slopes areas or where higher than average district sorghum yields are consistently achieved. Seed price is assumed to include pre-treatment with insecticide.

Weeds: To reduce the likelihood of herbicide resistance, rotate herbicide groups and weed management techniques.

Fertiliser: Fertiliser requirements should be based on paddock records and soil tests. * Maize is sensitive to zinc deficiency.

Insurance: ** Varies with Local Government Area and postcode, check with your insurer.

Harvest costs based on \$60/ha for a crop up to 2.5 t/ha with estimated increment of \$1.00 per extra 100 kg/ha above 2.5 t/ha.

For further information refer to the NSW Department of Primary Industries "Summer Crop Production Guide 2012-13".

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

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

LABOUR REQUIREMENTS:

- labour is not costed in this budget. If labour costs \$21.70 /hr, total labour cost would be \$18.99, reducing the gross margin to \$298 /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.

Note: harvest requires a corn front.

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