



## DRYLAND MAIZE (No-till, feed)

Farm Enterprise Budget Series - North-East NSW

Summer 2011-2012

### 1. GROSS MARGIN BUDGET:

#### INCOME:

3.75 tonnes/ha at \$268.00 /tonne (on farm).....

Sample Budget \$/ha	Your Budget \$/ha
\$1,005.00	

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 (Sep 2011), world market volatility makes estimation of future pricing impractical.

**A. TOTAL INCOME \$/ha:**

<b>\$1,005.00</b>	
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#### VARIABLE COSTS:

see following page(s) for details

Sowing.....	\$174.13	
Fertiliser & application.....	\$203.40	
Herbicide & application.....	\$111.27	
Insecticide & application.....	\$0.00	
Harvesting.....	\$78.70	
Levies and insurance.....	\$49.55	

**B. TOTAL VARIABLE COSTS \$/ha:**

<b>\$617.05</b>	
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**C. GROSS MARGIN (A-B) \$/ha:**

<b>\$387.95</b>	
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### 2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

#### SENSITIVITY TABLE

YIELD tonnes/ha	On Farm Price					
	\$228 /t	\$248 /t	\$268 /t	\$298 /t	\$348 /t	\$398 /t
1.75	-\$201	-\$166	-\$132	-\$80	\$7	\$160
2.25	-\$88	-\$43	\$1	\$68	\$180	\$358
2.75	\$23	\$77	\$132	\$214	\$350	\$556
3.25	\$131	\$195	\$260	\$357	\$518	\$753
<b>3.75</b>	\$239	\$313	<b>\$388</b>	\$500	\$686	\$951
4.10	\$315	\$396	\$478	\$600	\$803	\$1,089
4.45	\$390	\$479	\$567	\$700	\$921	\$1,227
4.80	\$466	\$562	\$657	\$800	\$1,038	\$1,366
5.15	\$542	\$644	\$746	\$900	\$1,155	\$1,504
5.50	\$618	\$727	\$836	\$1,000	\$1,273	\$1,642

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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 - glyphosate CT	Jan	0.05	54.60	2.73	1.5 L	4.42	6.63	<b>9.36</b>
Wetter - non-ionic surfactant	Jan	with above			0.2 L	6.45	1.29	<b>1.29</b>
Herbicide - paraquat + diquat	Jan	0.05	54.60	2.73	2.0 L	10.28	20.56	<b>23.29</b>
Herbicide - glyphosate CT	Apr	0.05	54.60	2.73	1.2 L	4.42	5.30	<b>8.03</b>
Wetter - non-ionic surfactant	Apr	with above			0.2 L	6.45	1.29	<b>1.29</b>
Herbicide - paraquat 250 g/L	Jul	0.05	54.60	2.73	1.2 L	6.78	8.14	<b>10.87</b>
Herbicide - glyphosate CT	Sep	0.05	54.60	2.73	1.2 L	4.42	5.30	<b>8.03</b>
Wetter - non-ionic surfactant	Sep	with above			0.2 L	6.45	1.29	<b>1.29</b>
Sowing - thiamethoxam treated seed	Sep	0.18	74.08	13.33	12.0 kg	13.40	160.80	<b>174.13</b>
Fertiliser-* Granulock SuPreme Z	Sep	with above			60 kg	0.94	56.40	<b>56.40</b>
Fertiliser - Urea (bulk)	Sep	with above			210 kg	0.70	147.00	<b>147.00</b>
Herbicide - ground spray PSPE	Sep	0.05	54.60	2.73				<b>2.73</b>
Herbicide - s-metolachlor+atrazine	Sep	with above			3.2 L	14.09	45.09	<b>45.09</b>
Crop insurance **	Jan			4.21%				<b>42.31</b>
Harvest #	Apr	contract		78.70	per ha incl fuel			<b>78.70</b>
Grains Research Levy				0.72%	of farm gate value			<b>7.24</b>

### AGRONOMIC NOTES:

*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 \$21.00 /hr, total labour cost would be \$12.60, reducing the gross margin to \$375 /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

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