



DRYLAND GRAIN SORGHUM (No-till)

Farm Enterprise Budget Series - North-East NSW

Summer 2011-2012

1. GROSS MARGIN BUDGET:

INCOME:

4.50 tonnes/ha at \$180.00 /tonne (on farm).....

Sample Budget \$/ha	Your Budget \$/ha
\$810.00	

8 t/ha is achievable on the Liverpool Plains, but an average range of 4-5 t/ha is more likely. Yields in other areas are on average 3.5-4 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:

\$810.00	
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VARIABLE COSTS:

see following page(s) for details

Sowing.....	\$45.52	
Fertiliser & application	\$148.20	
Herbicide & application.....	\$153.26	
Insecticide & application.....	\$34.12	
Harvesting.....	\$86.20	
Levies and insurance.....	\$49.11	

B. TOTAL VARIABLE COSTS \$/ha:

\$516.42	
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C. GROSS MARGIN (A-B) \$/ha:

\$293.58	
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SENSITIVITY TABLE

YIELD tonnes/ha	On Farm Price						
	\$140 /t	\$160 /t	\$180 /t	\$200 /t	\$220 /t	\$240 /t	\$260 /t
2.50	-\$139	-\$89	-\$40	\$10	\$59	\$109	\$158
3.00	-\$75	-\$16	\$44	\$103	\$162	\$222	\$281
4.00	\$52	\$131	\$210	\$289	\$369	\$448	\$527
4.50	\$115	\$205	\$294	\$383	\$472	\$561	\$650
5.00	\$179	\$278	\$377	\$476	\$575	\$674	\$773
6.00	\$306	\$425	\$544	\$662	\$781	\$900	\$1,019
7.00	\$433	\$572	\$710	\$849	\$987	\$1,126	\$1,265
8.00	\$560	\$719	\$877	\$1,035	\$1,194	\$1,352	\$1,510
9.00	\$687	\$865	\$1,044	\$1,222	\$1,400	\$1,578	\$1,756

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CALENDAR OF OPERATIONS:		Machinery			Inputs			Total
Operation	Month	hrs /ha	Cost	Total	Rate/ha	Cost	Total	Cost
			\$/hour	\$/ha		\$	\$/ha	\$/ha
Herbicide - ground spray, glyphosate CT	Jan	0.05	54.60	2.73	1.5 L	4.42	6.63	9.36
Wetter - non-ionic surfactant	Jan	with above			0.2 L	6.45	1.29	1.29
Herbicide - paraquat + diquat	Jan	0.05	54.60	2.73	2.0 L	10.28	20.56	23.29
Herbicide - ground spray, glyphosate CT	Apr	0.05	54.60	2.73	1.2 L	4.42	5.30	8.03
Herbicide - 2,4-D i.p.a. 300 g/L	Apr	with above			0.8 L	4.20	3.36	3.36
Wetter - non-ionic surfactant	Apr	with above			0.2 L	6.45	1.29	1.29
Herbicide - ground spray, glyphosate CT	Jun	0.05	54.60	2.73	1.2 L	4.42	5.30	8.03
Wetter - non-ionic surfactant	Jun	with above			0.2 L	6.45	1.29	1.29
Herbicide - ground spray, glyphosate CT	Sep	0.05	54.60	2.73	1.2 L	4.42	5.30	8.03
Wetter - non-ionic surfactant	Sep	with above			0.2 L	6.45	1.29	1.29
Seed - thiamethoxam + Concep II treated	Oct	0.18	74.08	13.33	2.6 kg	12.38	32.19	45.52
Fertiliser - Granulock SuPreme Z	Oct	with above			40.0 kg	1.08	43.20	43.20
Fertiliser - Urea (bulk)	Oct	with above			150 kg	0.70	105.00	105.00
Herbicide - ground, PSPE	Oct	0.05	54.60	2.73				2.73
Herbicide - S-metolachlor+atrazine	Oct	with above			3.2 L	14.09	45.09	45.09
Herbicide - fluroxypyr 333g/L	Nov	0.05	54.60	2.73	0.3 L	28.10	8.43	11.16
Wetter - non-ionic surfactant	Nov	with above			0.1 L	6.45	0.65	0.65
Insecticide - ground spray (contract)	Jan			16.00				16.00
Nuclear polyhedrosis virus (NPV)	Jan	with above			0.375 L	48.33	18.12	18.12
Crop insurance *	Jan			4.21%				34.10
Desiccant - aerial spray, glyphosate CT	Feb/Mar			20.00	1.6 L	4.42	7.07	27.07
Wetter - non-ionic surfactant	Feb/Mar	with above			0.2 L	6.45	1.29	1.29
Harvest #	Mar/Apr	contract		86.20	per ha incl fuel			86.20
Grains Research Levy		1.020%	of farm gate value				8.26	8.26
GrainCorp Levy \$/t				\$1.50	per tonne			6.75

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 \$11.29/ha, reducing the gross margin to \$282 /ha.

MACHINERY ASSUMPTIONS: Tractor assumption: 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

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.