



DRYLAND SUNFLOWERS (no-till, mono-unsaturated)

Farm Enterprise Budget Series - North West NSW
 Summer 2009-2010

1. GROSS MARGIN BUDGET:

INCOME:

1.00 tonnes/ha at \$520.00 /tonne (on farm).....

Standard Budget \$/ha	Your Budget \$/ha
\$520.00	

Cartage costs will vary with distance, so have not been included. The on-farm price is after cartage.

A. TOTAL INCOME \$/ha:

\$520.00	
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VARIABLE COSTS:

see following page for details

Sowing.....	\$43.83	
Fertilizer & application.....	\$55.00	
Herbicide & application.....	\$96.32	
Insecticide & application.....	\$24.21	
Harvesting.....	\$64.94	
Levies and insurance.....	\$18.82	

B. TOTAL VARIABLE COSTS \$/ha:

\$303.11	
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C. GROSS MARGIN (A-B) \$/ha:

\$216.89	
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2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

SENSITIVITY TABLE

YIELD tonnes/ha	On Farm Price						
	\$450 /t	\$470 /t	\$495 /t	\$520 /t	\$560 /t	\$600 /t	\$640 /t
0.40	-\$120	-\$112	-\$102	-\$92	-\$76	-\$60	-\$44
0.60	-\$31	-\$19	-\$4	\$11	\$35	\$59	\$82
0.80	\$59	\$74	\$94	\$114	\$146	\$177	\$209
1.00	\$148	\$167	\$192	\$217	\$256	\$296	\$336
1.25	\$259	\$284	\$315	\$346	\$395	\$445	\$494
1.50	\$370	\$400	\$437	\$474	\$534	\$593	\$652
1.90	\$548	\$586	\$633	\$680	\$755	\$831	\$906

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CALENDAR OF OPERATIONS:		Machinery			Inputs			Total
Operation	Month	Cost		Total \$/ha	Cost		Total \$/ha	Total \$/ha
		hrs /ha	\$/hour		Rate/ha	\$		
Herbicide - glyphosate CT	Dec	contract	ground spray	10.00	1.5 L	5.21	7.82	17.82
Herbicide - 2,4-D i.p.a. 300g/L	Dec	with above			0.66 L	4.18	2.76	2.76
Wetter - non-ionic surfactant	Dec	with above			0.2 L	6.86	1.37	1.37
Herbicide - glyphosate CT	Mar	contract	ground spray	10.00	1.2 L	5.21	6.25	16.25
Herbicide - triclopyr	Mar	with above			0.08 L	39.99	3.20	3.20
Wetter - non-ionic surfactant	Mar	with above			0.2 L	6.86	1.37	1.37
Herbicide - glyphosate CT	May	contract	ground spray	10.00	1.2 L	5.21	6.25	16.25
Herbicide - 2,4-D i.p.a. 300g/L	May	with above			0.66 L	4.18	2.76	2.76
Wetter - non-ionic surfactant	May	with above			0.2 L	6.86	1.37	1.37
Herbicide - glyphosate CT	Jul	contract	ground spray	10.00	1.0 L	5.21	5.21	15.21
Wetter - non-ionic surfactant	Jul	with above			0.2 L	6.86	1.37	1.37
Herbicide - glyphosate CT	Aug	contract	ground spray	10.00	1.0 L	5.21	5.21	15.21
Wetter - non-ionic surfactant	Aug	with above			0.2 L	6.86	1.37	1.37
Sowing - sunflower seed	Sep	0.12	76.71	9.21	2.0 kg	17.31	34.62	43.83
Fertiliser - Starter Z	Sep	with above			50 kg	1.10	55.00	55.00
Insecticide - alpha-cypermethrin 100g/L EC	Oct	aerial spray		15.00	0.4 L	8.00	3.20	18.20
Insecticide - alpha-cypermethrin 100g/L EC (1 yr in 3)	Dec	aerial spray		15.00	0.4 L	8.00	3.20	6.01
Crop insurance *	Jan			2.60%				13.52
Harvest #	Mar	contract		64.94	per ha incl fuel			64.94
Grains Research Levy				1.02%	of farm gate value			5.30

AGRONOMIC NOTES:

Sowing: Early spring sowing allows the crop to flower before high temperatures produce heat stress (mid-late Aug)

Do not sow poly-unsaturated sunflowers in spring as low quality oil is unacceptable to margarine manufacturers.

Insects: 1st insect spray assumed applied at late bud stage to control rutherghlen bugs; 2nd spray applied if necessary normally 1 in 3 years at around mid flowering stage (heliethis and rutherghlen bugs)

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.

Nitrogen fertiliser may be required where deficiencies are known to exist.

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

Harvest costs based on \$64.94 (including \$4.94/ha fuel) /ha for a crop up to 2.5 t/ha.

For further information refer to NSW Department of Primary Industries Primefact "Sunflowers" P5.2.3

and the NSW Department of Primary Industries "Summer Crop Production Guide 2009-10"

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

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 \$20.00 /hr, total labour cost would be \$3.00, reducing the gross margin to \$214 /ha.

MACHINERY ASSUMPTIONS:

Tractor: 201 KW PTO (269 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