



Department of Primary Industries

PHALARIS BASED PASTURE (DIRECT DRILL Establishment)
 Southern Zone - east
 ESTABLISHMENT

Dryland Winter: 2012

Income
 20 sheep/ha@ 0.15 kg/day x 75 days x \$2.50/kg

Standard Budget \$/ha	Your Budget \$/ha
\$562.50	

A. TOTAL INCOME \$/ha:

\$562.50

VARIABLE COSTS:

Cultivation	\$0.00
Sowing	\$90.42
Fertiliser & application	\$95.00
Herbicide & application	\$54.72
Insecticide & application	\$14.81
Lime	\$18.25

B. TOTAL VARIABLE COSTS \$/ha:

\$273.20

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

\$289.30

2. EFFECT OF GRAZING DAYS AND LAMB PRICE ON GROSS MARGIN PER HECTARE:

Lamb price (\$/kg)	Sheep grazing (no. of days)					Gross Margin (\$/ha)
	55	65	75	85	95	
1.00	-108	-78	-48	-18	12	
1.50	-26	19	64	109	154	
2.00	57	117	177	237	297	
2.50	139	214	289	364	439	
3.00	222	312	402	492	582	
3.50	304	409	514	619	724	
4.00	387	507	627	747	867	

PRODUCT TRADE NAMES

The product trade names in this publication are supplied on the understanding that no preference between equivalent products is intended and that the inclusion of a product does not imply endorsement by NSW DPI over any other equivalent product from another manufacturer.

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CALENDAR OF OPERATIONS:								
Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hrs /ha	Cost	Total	Rate/ha	Cost	Total	
			\$/hour	\$/ha		\$	\$/ha	
Spring control of RLEM eg. ground spray - omethoate (Lemat®)	Sept/Oct (Yr1)	0.05	70.67	\$3.81	0.05 L/ha	\$52.00/L	\$2.60	\$6.41
Broadleaf and grass weed control eg ground spray glyphosate 450		with above			1.50 L/ha	\$4.20/L	\$6.30	\$6.30
Fallow broadleaf & grass weed control eg ground spray glyphosate 450 and 2,4-D Ester 680	Jan/Feb (Yr2)	0.05	70.67	\$3.81	1.25 L/ha	\$4.20/L	\$5.25	\$9.06
		with above			0.90 L/ha	\$11.61/L	\$10.45	\$10.45
Fallow broadleaf & grass weed control eg ground sprav glvphosate 450	Mar/Apr (Yr2)	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$10.11
Sowing	Apr/May*	0.17	91.67	\$15.41				\$15.41
Sowing - Australian Phalaris seed	Apr/May*	with above			1.5kg/ha	\$15.00 /kg	\$22.50	\$22.50
Sowing - Currie Cocksfoot	Apr/May*	with above			1.0kg/ha	\$11.72 /kg	\$11.72	\$11.72
Sowing - Riverina subclover	Apr/May*	with above			2.0kg/ha	\$5.20 /kg	\$10.40	\$10.40
Sowing - Goulburn subclover	Apr/May*	with above			2.0kg/ha	\$15.00 /kg	\$30.00	\$30.00
Apply seed inoculant(all legume seeds)	Apr/May*	with above			6.5kg/ha	\$0.06 /kg	\$0.39	\$0.39
Apply starter fertiliser eg. Single super	Apr/May*	with above			250kg/ha	\$0.38 /kg	\$95.00	\$95.00
Apply residual soil insecticide - RLEM control eg. ground spray bifenthrin (Talstar®)	May*	0.05	70.67	\$3.81	0.10 L/ha	\$46.00/L	\$4.60	\$8.41
In crop broadleaf weed control eg ground spray (Bromoxynil 200®)	June	0.05	70.67	\$3.81	1.50 L/ha	\$10.00/L	\$15.00	\$18.81
Lime (1 year in 10)				\$25.00	2.50 t/ha	\$63.00 /t	\$157.50	\$18.25
* Year 2								

NOTES:	<i>Use of a particular brand name does NOT imply a recommendation of that brand by NSW DPI. Always read chemical labels and follow directions carefully, as it is your legal responsibility to do so.</i>
Varieties:	- See NSW DPI <i>Pasture varieties used in NSW</i> .
Herbicide Resistance Management:	- Record herbicide groups and rotate groups where possible to avoid developing herbicide resistance on your farm.
Sowing time:	- Clover and phalaris mixture needs to be sown in autumn.
Soil:	- Phalaris and subclover respond vigorously to lime, paddocks need to be fertile for rapid establishment.
Herbicides:	- Timing is critical to ensure effective weed control and to minimise pasture damage. - Control weeds prior to sowing down pasture.
Fertiliser:	- Lime needed to reduce soil acidity. Apply and incorporate lime 3 months before sowing. - Lime application is only every ten years. - Phosphorus needed for clovers. - Aim for soil Al% of less than 3%.
Insecticides:	- Bifenthrin is used for red-legged earthmite control.
Labour:	- The labour required for machinery operations is 0.41 hrs/ha. - At \$22/hour this costs: \$9.07 /ha changing the variable costs to \$282.27 /ha
Machinery:	- A tractor with 57 kW (77 HP) pto power and 66 kW (90 HP) engine power is assumed. - Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries and repairs.
Economic note:	- These gross margins are only a guide. They do not include overhead costs or GST. Note: Input and crop prices are correct at the time of writing (April 2011). Market uncertainty makes estimation of future pricing impractical. - Use your own figures and price assumptions to estimate your own gross margin.

This budget is ONLY A GUIDE and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics.