



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

\$289.30
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**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	
<b>2.50</b>	139	214	<b>289</b>	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.

**PHALARIS BASED PASTURE (DIRECT DRILL Establishment)**

Southern Zone - east

Dryland Winter: 2012

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

<b>NOTES:</b>	<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>
<b>Varieties:</b>	- See NSW DPI <i>Pasture varieties used in NSW</i> .
<b>Herbicide Resistance Management:</b>	- Record herbicide groups and rotate groups where possible to avoid developing herbicide resistance on your farm.
<b>Sowing time:</b>	- Clover and phalaris mixture needs to be sown in autumn.
<b>Soil:</b>	- Phalaris and subclover respond vigorously to lime, paddocks need to be fertile for rapid establishment.
<b>Herbicides:</b>	- Timing is critical to ensure effective weed control and to minimise pasture damage. - Control weeds prior to sowing down pasture.
<b>Fertiliser:</b>	- 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%.
<b>Insecticides:</b>	- Bifenthrin is used for red-legged earthmite control.
<b>Labour:</b>	- 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
<b>Machinery:</b>	- 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.
<b>Economic note:</b>	- These gross margins are only a guide. They do not include overhead costs or GST. <b>Note: Input and crop prices are correct at the time of writing (April 2011). Market uncertainty makes estimation of future pricing impractical.</b> - 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.