



Department of Primary Industries

Subclover ley pasture

Southern Zone - east

Dryland Winter: 2012

ESTABLISHMENT

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	\$15.41	
Sowing	\$54.60	
Fertiliser & application	\$76.00	
Herbicide & application	\$66.03	
Insecticide & application	\$9.01	
B. TOTAL VARIABLE COSTS \$/ha:	\$221.04	

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

\$341.46

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	-\$56	-\$26	\$4	\$34	\$64	
1.50	\$26	\$71	\$116	\$161	\$206	
2.00	\$109	\$169	\$229	\$289	\$349	
2.50	\$191	\$266	\$341	\$416	\$491	← Gross Margin (\$/ha)
3.00	\$274	\$364	\$454	\$544	\$634	
3.50	\$356	\$461	\$566	\$671	\$776	
4.00	\$439	\$559	\$679	\$799	\$919	

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.

CALENDAR OF OPERATIONS:

Operation	Month	Machinery			Inputs			Total Cost
		hrs /ha	Cost \$/hour	Total \$/ha	Rate/ha	Cost \$	Total \$/ha	
Fallow broadleaf & grass weed control eg ground spray glvphosate 450 and 2,4-D 600LVE	Jan/Feb	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$10.11
		With above			0.90 L/ha	\$11.61/L	\$10.45	\$10.45
Fallow broadleaf & grass weed control eg ground spray glvphosate 450	Mar/Apr	0.05	70.67	\$3.81	1.50 L/ha	\$4.20/L	\$6.30	\$10.11
Cultivation - Scarify	Apr	0.17	91.67	\$15.41				\$15.41
Apply pre emergent residual soil herbicide eg. ground spray trifluralin	May	0.05	70.67	\$3.81	1.50 L/ha	\$8.50/L	\$12.75	\$16.56
Sowing - Subclover seed	May	with above			10kg/ha	\$5.40 /kg	\$54.00	\$54.00
Apply seed inoculant(all seed)	May	with above			10kg/ha	\$0.06 /kg	\$0.60	\$0.60
Apply starter fertiliser eg. MAP	May	with above			100kg/ha	\$0.76 /kg	\$76.00	\$76.00
RLEM and Lucerne flea control eg. ground spray - omethoate (Lemat®)	May	0.05	70.67	\$3.81	0.10 L/ha	\$52.00/L	\$5.20	\$9.01
In crop broadleaf weed control eg ground spray (Bromoxynil 200®)	June	0.05	70.67	\$3.81	1.50 L/ha	10.00 L/ha	\$15.00	\$18.81

NOTES:

*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.*

Ley

- Short term pasture, grown to fatten lambs and provide a 'break' between cereal crops.
- The ley will also increase soil nitrogen levels for the following cereal crop.

Varieties:

- See NSW DPI *Pasture varieties used in NSW*.

Herbicide Resistance Management:

- Record herbicide groups and rotate groups where possible to avoid developing herbicide resistance on your farm.

Sowing time:

- Clovers will all benefit from early sowing (April).

Sowing rate:

- Higher sowing rates (8 - 10 kg/ha) produce a better establishment.

Soil:

- Clovers are suited to a wide range of soils.

Herbicides:

- Choose herbicide carefully and apply at the best time

Insecticides:

- Omethoate used for control of red-legged earthmite

Grazing:

- Grazing may commence when the plants are well anchored in the seedbed.

Labour:

- The labour required for machinery operations is 0.412 hrs/ha.
- At \$22/hour this costs: \$9.07 /ha changing the variable costs to \$230.11 /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 2012). Market uncertainty makes estimation of future pricing impractical.**

- Use your own figures and price assumptions to estimate your own gross margin.