



ESTABLISHING SPRAY IRRIGATED LUCERNE STAND

Northern Zone

Winter 2012

** this budget is for the establishment of lucerne only, full production lucerne budgets are with the summer crop budgets.*

INCOME:

0.00 tonnes/ha@ \$0.00 /tonne (on farm)

Sample Budget \$/ha	Your Budget \$/ha
\$0.00	

A. TOTAL INCOME \$/ha:

\$0.00	
---------------	--

VARIABLE COSTS:

See next page for detail

Cultivation.....	\$22.43	
Sowing.....	\$142.15	
Fertiliser.....	\$150.23	
Herbicide.....	\$53.50	
Insecticide.....	\$3.41	
Water.....	\$50.99	
Contract harvesting.....	\$0.00	

B. TOTAL VARIABLE COSTS \$/ha:

\$422.70	
-----------------	--

ESTABLISHING SPRAY IRRIGATED LUCERNE STAND

Northern Zone

(diesel pump from surface supply)

Winter 2012

CALENDAR OF OPERATIONS:								
Operation	Month	Machinery			Inputs			Total Cost \$/ha
		hrs/ha	Cost \$/hour	Total \$/ha	Rate/ha	Cost \$	Total \$/ha	
<i>Type & timing of fallow weed control required will depend on previous crop type and weeds present.</i>								
broadleaf and grass weed control eg: glyphosate 450	Jan	0.10	24.66	2.47	1.8 L	4.67/L	8.41	10.87
wetting agent	Jan	with above			0.25 L	7.47/L	1.87	1.87
disc harrows	Feb	0.58	22.96	13.32				13.32
scarify	Mar	0.42	21.70	9.11				9.11
broadleaf and grass weed control eg: glyphosate 450 g/L	Mar	0.10	24.66	2.47	1.2 L	4.67/L	5.60	8.07
wetting agent	Mar	with above			0.25 L	7.47/L	1.87	1.87
broadleaf and grass weed control eg: trifluralin	Apr	0.42	21.70	9.11	2.1 L	5.87/L	12.33	21.44
fertiliser- Single Super	May	0.29	26.66	7.73	250kg	0.57/kg	142.50	150.23
sowing + inoculant	May	0.29	26.66	7.73	15 kg	8.96/kg	134.42	142.15
irrigation (spray)	May				0.5 ML	101.97/ML	50.99	50.99
insecticide - dimethoate 400 g/L EC	Jun	0.10	24.66	2.47	0.09 L	10.49/L	0.94	3.41
grass weed control eg. haloxyfop-R : + crop oil	Jun	with above			0.075 L	99.00/L	7.43	7.43
	Jun	with above			0.5 L	3.91/L	1.96	1.96

Input prices were correct at the time of writing (Feb 2012). Current fertiliser and chemical market uncertainty makes estimation of future pricing impractical.

Note: irrigation scheme overheads are not included.

NOTES:

The lucerne is assumed to last 4 years and hence 1/4 of the establishment costs are charged to the annual gross margin. Details of water pumping costs can be found in the appendix. Full production lucerne budgets are published with NSW DPI *Northern NSW Summer Crop Budgets*.

To reduce the risk of herbicide resistance, rotate herbicide groups and weed management techniques.

Herbicides:

Generally, good weed control is essential from the spring before sowing.

Insecticide:

Used to control blue oat mite and/or red legged earth mite.

- Always read chemical labels and follow directions, as it is your legal responsibility to do so.

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

LABOUR REQUIREMENTS: - labour is not costed in this budget.

According to the above operations, labour required is 2.2hrs/ha. Then multiplying this by 1.25 to allow for machinery repair time etc, and using a labour cost of \$21.0/hr, the cost of labour is \$57.75/ha, increasing the costs to \$480.45/ha. This doesn't include labour for irrigation.

MACHINERY ASSUMPTIONS:

Tractor:

pto power: 57kW (76 HP)

machinery costs refer to variable costs of: fuel, oil, filters, tyres, batteries and repairs.