



Primary Industries

# Flood Irrigated Lucerne: Establishment Central Zone

## Winter 2012

### 1. GROSS MARGIN BUDGET:

**INCOME:**

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

**A. TOTAL INCOME \$/ha:**

**VARIABLE COSTS:**

See opposite page for detail

Cultivation.....

Sowing.....

Fertiliser.....

Herbicide.....

Insecticide.....

Irrigation.....

Contract-harvesting.....

**B. TOTAL VARIABLE COSTS \$/ha:**

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

Standard Budget \$/ha	Your Budget \$/ha
\$0.00	
<b>\$0.00</b>	
\$58.07	
\$120.35	
\$105.00	
\$0.00	
\$0.00	
\$27.99	
\$0.00	
<b>\$311.41</b>	
<b>(\$311.41)</b>	

**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 \$/hour	Total \$/ha	rate/ha	Cost \$	Total \$/ha	
Plough	Jan	0.58	25.09	<b>\$14.52</b>				<b>\$14.52</b>
Cultivation	Mar	0.58	25.09	<b>\$14.52</b>				<b>\$14.52</b>
Cultivation	Mar	0.58	25.09	<b>\$14.52</b>				<b>\$14.52</b>
Weed control eg: glyphosate 540 g/L (Roundup PowerMAX®)	Apr	0.29	31.25	<b>\$9.09</b>	1.20 L	\$8.67/L	<b>\$10.40</b>	<b>\$19.49</b>
Pre-emergent weed control eg: trifluralin 480 g/L (Triflur® X)	May	0.29	31.25	<b>\$9.09</b>	1.40 L	\$8.67/L	<b>\$12.14</b>	<b>\$21.22</b>
Cultivation - incorporation	May	0.58	25.09	<b>\$14.52</b>				<b>\$14.52</b>
Sowing	May	0.42	22.99	<b>\$9.71</b>	12 kg	\$9.22/kg	<b>\$110.64</b>	<b>\$120.35</b>
Phosphorus fertiliser eg: Single Super	May	with above			250 kg	\$0.42/kg	<b>\$105.00</b>	<b>\$105.00</b>
Mite control eg: omethoate 290 a/ L (Le-mat®)	May	0.29	31.25	<b>\$9.09</b>	0.10 L	\$30.00/L	<b>\$3.00</b>	<b>\$12.09</b>
Irrigation	May				1.50 ML	\$18.66/ML	<b>\$27.99</b>	<b>\$27.99</b>

\*\*\* Input and crop prices are correct at the time of writing (March 2012). Market uncertainty makes estimation of future pricing impractical.

### NOTES:

#### Sowing time:

- Winter establishment is preferable to spring to maximise root development before summer.
- Seed price used above assumes cost of pre-treatment required (eg insect protection) and inoculation.

#### Fertiliser:

- Adequate phosphorus is critical for successful establishment.
- Can be applied via a range of products including single super or starter fertiliser.

#### Weed control:

- Incorporation of trifluralin by cultivation may be optional dependent on seedbed preparation method (eg: No-till).

#### Insect control:

- Earthmite control at establishment is essential.

#### Irrigation:

- This budget is applicable for the Central Zone east, a higher water requirement may be required for the central zone/west than the figures used in this budget.
- Cost/ML is calculated based on the management and usage charges for regulated Maquarie river.

#### Machinery:

- A tractor with 57 kW (77 HP) pto power and 66kW (90 HP) engine power is assumed.
- Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs.

#### Labour:

- The labour required for machinery operations is 4.35 hr/ha
- Using a labour cost of \$22/hr, an additional \$95.66 can be deducted from the budget

#### Important notes:

- The Lucerne stand is assumed to last 4 years.
- These gross margins are only a guide. They do not include overhead costs.
- **Use your own figures and price assumptions to estimate your own gross margin.**
- Use of a particular brand name does NOT imply a recommendation of that brand by NSW DPI.