Winter Annual Pasture: Sub clover - Maintenance  (Flood Irrigated - Border Check)

Murrumbidgee Valley & Murray Valley  Costs only

Irrigated Winter - 2012

<table>
<thead>
<tr>
<th>Calendar of Operations</th>
<th>Machinery</th>
<th>Inputs</th>
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<tbody>
<tr>
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<td>Cost</td>
<td>Total</td>
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| Topdress phosphorus fertiliser  
(eg. single super) | Feb/Mar | 0.05 | $41.38 | $2.23 | 300kg/ha | $0.38/kg | $114.00 | $116.23 |
| Insect & mite spray  
(eg. dimethoate) | May/Jun | contract | $10.00 | 0.15 L/ha | $12.25/L | $1.84 |
| Broadleaf weedspray  
(eg. bromoxynil) | May/Jun | contract | $10.00 | 2.00 L/ha | $15.00/L | $30.00 |
| Irrigation* | | 5ML/ha | 13.3ML/ha | $66.35 |

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<th>Agronomic Notes:</th>
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<td>Use of a particular brand name does NOT imply a recommendation of that brand by NSW DPI.</td>
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<td>Always read chemical labels and follow directions carefully, as it is your legal responsibility to do so.</td>
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Fertiliser |
- Fertiliser requirement depends on irrigation intensity, amount of forage removed and the value of production. Irrigated annual pastures require at least 300 kg/ha single super every year to replace phosphorus.

Stocking rate |
- Intensively irrigated and fertilised annual pastures can maintain 18-24 DSE (dry sheep equivalent)/ha per year (autumn till late spring) if well managed, but the more usual rate is 10-12 DSE/ha. Earlier irrigation, higher inputs of fertiliser and water allow more stock to be carried.
- Avoid overgrazing in winter as pasture recovery time increases.
- Set stocking helps to maintain clover dominant pasture.

Irrigation |
- Ideally subclover is irrigated 2-3 times in autumn commencing in late Feb/early March to establish stands and twice in spring to ensure seed set.
- Germination is reduced with earlier commencement of irrigation. If the autumn is dry, up to 5 irrigations may be required.
- Autumn production is directly related to plant population resulting from seed set in the previous spring.
- Irrigation cost includes the variable cost only.
- Water costs used in the MIA budgets are based on 2011-12 prices.
- For prices in other areas, refer to the water prices section.

Machinery |
- Machinery costs include variable costs only for the tractor and implements.

Labour |
- The labour required for machinery operations is 0.07 hr/ha.
- Using a labour cost of $22/hr, an additional $24/ha can be deducted from the budget.

Economic note |
- These gross margins are only a guide. They do not include overhead costs or GST.
- 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 determine your own gross margin.