Yields, Costs and Net Returns in the Murray–Darling Basin

Haydn Valle - Research Officer, Australian Bureau of Agricultural and Resource Economics and Sciences

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Yields, Costs and Net Returns in the Murray–Darling Basin

Haydn Valle
Research Officer
Australian Bureau of Agricultural and Resource Economics and Sciences
Costs, receipts and farm cash income, 2006–07 to 2013–14: average per farm

Source: ABARES survey of irrigation farms in the Murray–Darling Basin
Equations

\[ Yields = f(\text{Water application rate, rainfall, time}) \]

\[ \text{Water price} = \text{Output Price} \times \frac{\partial (\text{Yield})}{\partial (\text{Water application})} \]

\[ \text{Costs} = f(\text{Area planted, rainfall, time}) \]

\[ \text{Net returns} \]
\[ = \text{RECEIPTS} - \text{COSTS} \]
\[ - \text{OPPORTUNITY COST OF WATER} \]
### Sample sizes

<table>
<thead>
<tr>
<th>Irrigated enterprises</th>
<th>Observations (no.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wine</td>
<td>933</td>
</tr>
<tr>
<td>Wheat</td>
<td>366</td>
</tr>
<tr>
<td>Stone</td>
<td>515</td>
</tr>
<tr>
<td>Pome</td>
<td>376</td>
</tr>
<tr>
<td>Cotton</td>
<td>324</td>
</tr>
<tr>
<td>Rice</td>
<td>235</td>
</tr>
<tr>
<td>Citrus</td>
<td>495</td>
</tr>
</tbody>
</table>

*Source:* ABARES survey of irrigation farms in the Murray–Darling Basin
Yield curves, selected irrigated enterprises

Source: ABARES survey of irrigation farms in the Murray–Darling Basin
Water demand curves, selected irrigated enterprises

Note: Financial results are presented in 2013–14 dollars.
Source: ABARES survey of irrigation farms in the Murray–Darling Basin
Unit costs, selected irrigated enterprises

Note: Financial results are presented in 2013–14 dollars.
Source: ABARES survey of irrigation farms in the Murray–Darling Basin
Net returns, selected irrigated horticulture enterprises

Note: Financial results are presented in 2013–14 dollars.
Source: ABARES survey of irrigation farms in the Murray–Darling Basin
Net returns, selected irrigated broadacre enterprises

Note: Financial results are presented in 2013–14 dollars.
Source: ABARES survey of irrigation farms in the Murray–Darling Basin

Source: ABARES survey of irrigation farms in the Murray–Darling Basin

Cotton farms, Australian Murray–Darling Basin

Main areas of production

Estimated unit costs
Wine farms, Australian Murray–Darling Basin

Main areas of production

Estimated unit costs