

2014 Regional Snapshot

Is irrigation efficiency improving in agricultural areas?

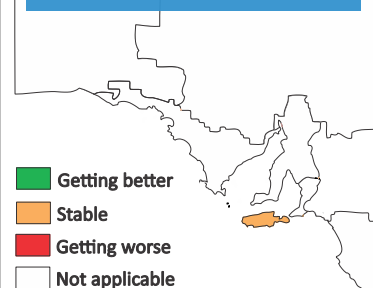
South Australia's irrigated crops and livestock products, worth about \$1.4 billion in 2012, use about 60 per cent of the water we use in the state. Less than 7 per cent of the farmers in the Kangaroo Island NRM region rely on irrigation to grow vegetables, grape, fruit and pastures for livestock. Efficient irrigation reduces fertiliser and sediment runoff, soil salinity impacts, production costs and provides more flexibility to rotate crops.

The amount of water applied to crops is influenced by soil type, irrigation method, and the timing of irrigation. By matching these to the needs of each crop, farmers maximise production and apply less water. For example, upgrading from sprinkler to drip irrigation can save about 2.5 million litres per hectare of grapevines or citrus trees.

This report tracks the amount of water applied per hectare, and trends in methods of irrigation.



Trends in water application rates in irrigation areas



State target

Maintain the productive capacity of our natural resources

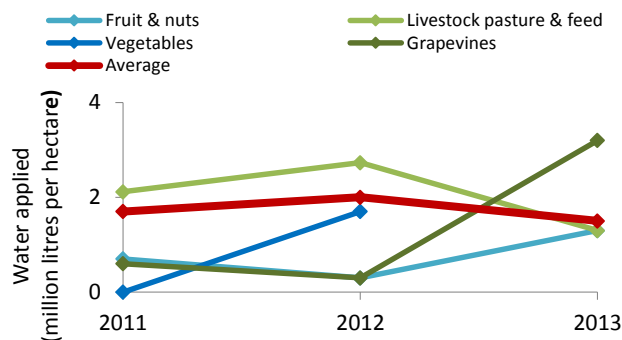
Trend (2011-13)

Stable

Water applied per hectare has remained stable

Different crop types have different water needs and these vary depending on the soil type and rainfall (see graph on right).

In 2013, about 890 hectares were irrigated in the Kangaroo Island NRM region. The average irrigation rate was about 1.5 million litres per hectare (see graph on right, red line). The amount of water applied per hectare remained relatively stable between 2011-13. Long term trends in water application rates are not available for the Kangaroo Island NRM region.



Where we are at (2013)

Good

Irrigation efficiency improved in 2013

Energy, labour, crop type and set up costs influence the irrigation decisions of farmers, but irrigation efficiency continues to improve.

Trends in irrigation methods show how our farmers are improving water application rates. Statewide information shows that drip irrigation, which is typically the most water efficient, is the most common method and its use has been increasing. A breakdown of irrigation methods is not available for the Kangaroo Island NRM region, but most irrigation is for potato crops using centre pivot sprinklers.

Governments and NRM boards work with farmers to improve irrigation efficiency by demonstrating land management benefits and providing financial [incentives](#) to make it increasingly attractive.

Reliability of information



Very Good

Further information:

- [Technical information for this report](#)
- [Water use in the Kangaroo Island NRM region](#)
- [Water Connect](#)

