

INCREASING.

spectively deal with site contamination.

Recommendations for Action

- R4.1 Preserve suitable land for economic agricultural production and biodiversity conservation, recognising that land supply is finite and the demand for housing is growing.
- R4.2 Ensure that any potential expansion of commercial tree planting does not compromise natural resources, including local biodiversity, and is accounted for within water allocation planning.
- R4.3 Continue to improve soil conservation through appropriate crop selection, fertiliser use and good land management practices.
- R4.4 Use targeted revegetation to better manage surface water and groundwater, and achieve both economic and biodiversity benefits.

Moving forward

The continuing spread of residential developments into the Mount Lofty Ranges and into coastal areas needs to be controlled to avoid potential loss of critical ecosystems and biodiversity, reduced water quality, and loss of primary production land. Land use planning and assessment of any additional plantation forests need to consider potential negative impacts on regional water resources and/or biodiversity.

The impacts (especially on water resources) of the increase in irrigated agriculture should be monitored and sustainable land use practices in fertiliser use and crop selection, insofar as these contributes to soil acidification, should be promoted. Without continued intervention, groundwater discharge and surface runoff to the River Murray will increase its salinity.

Ongoing support is required for research and development to deal with biodiversity impacts of dryland salinity and its management through integrated natural resource management.

Phylloxera and Grape Industry Board of South Australia

www.phylloxera.org.au/statistics

Planning SA

www.planning.sa.gov.au

Upper South East Dryland Salinity and Flood Management Program

www.dwlbc.sa.gov.gu/land/programs

www.dwlbc.sa.gov.au/land/programs/ use/index.html



Sowing a crop using the direct drill method. The adoption of improved land management practices, particularly no-till sowing and direct drill sowing combined with stubble retention, has greatly increased the protection of cropping land from soil erosion. Photo: DWLBC

Further information

Department for Water Land and Biodiversity Conservation

www.dwlbc.sa.gov.au/land/index.html

Environment Protection Authority

www.epa.sa.gov.au

Future Farm Industries CRC www.futurefarmcrc.com.au/