

A Strategy for Managing Soil Acidity on South Australia's Agricultural Soils

Aim: Degradation of South Australia's agricultural soils by acidification is halted by restoring or maintaining soil pH to at least 5.0 (measured in CaCl_2)

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Water and Natural Resources



Increasing adoption on the ground

- **Raise awareness of soil acidity and its treatment**
- **Promote practices that**
 - **restore soil pH**
 - **slow acidification rates**
- **Develop and implement collaborative projects with stakeholders**



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Policy / Institutional

- **State-wide soil acidification working group**
- **Compatibility of agencies and organisations' strategic goals**
- **Appropriate soil acidity targets / strategies in NRM Boards plans**
- **Facilitate development of lime sources**
- **Impact of institutional policies on adoption of practices**
- **Impact of technological & environmental developments**
- **Promote land owners "duty of care" (NRM Act)**
- **Economics of ameliorating soil acidity**
- **Raise awareness on cost of soil acidity**



Research & Development

- **Improve assessing and mapping soil pH**
- **Refine estimates of soil acidification rates**
- **New methods / materials to raise soil pH**
- **Subsoil acidity – occurrence, severity and treatment**



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Monitoring & Evaluation

- Adoption of acidity amelioration practices
- Monitor acidification rates
- Effectiveness of strategy

