

<b>Title</b>	Innovative approaches to managing subsoil acidity using lime and organic amendments in the southern grain region
<b>Abstract</b>	<p>“Innovative approaches to managing subsoil acidity in the southern grain region” was a national coordinated project funded by GRDC (DAN00206) to test whether aggressive application methods such as deep placement of lime and/or organic materials will achieve rapid changes to pH at depth. A series of lab incubation studies and soil column experiments have been conducted under controlled conditions to a) Compare the effectiveness of a range of inorganic and organic amendments, and their combinations, to ameliorate soil acidity; and b) Optimise the application rates and application depth in soil profiles to identify the most effective soil amendments. Four small plot field experiments and eight large-scale on-farm field experiments were conducted in southern NSW and north west Victoria to test optimum rates of the most effective soil amendments at various soil depths to validate their effectiveness under field conditions. The inorganic amendments tested include lime, dolomite, magnesium silicate (MgSi), calcium nitrate, reactive phosphate rock (RPR), gypsum etc. The organic amendments tested include plant residues/materials (such as lucerne hay, pea hay, cereal crop straw, garden composts), animal wastes (such as poultry litters, dairy compost, sheep manure) as well as biochar, biosolids and k-humates.</p>
<b>Resource locator</b>	
<b>Unique resource identifier</b>	
<b>Code</b>	279324b0-996a-4a6a-be6f-71e4a5efae2c
<b>Presentation form</b>	
<b>Edition</b>	1
<b>Dataset language</b>	eng
<b>Metadata standard</b>	
<b>Name</b>	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
<b>Version</b>	1.1
<b>Dataset URI</b>	<a href="https://data.iar.dpi.nsw.gov.au/dataset/279324b0-996a-4a6a-be6f-71e4a5efae2c">https://data.iar.dpi.nsw.gov.au/dataset/279324b0-996a-4a6a-be6f-71e4a5efae2c</a>
<b>Status</b>	completed
<b>Spatial reference system</b>	
<b>Authority code</b>	GDA94 Geographic (Lat\Long)
<b>Code identifying the spatial reference system</b>	4283
<b>Topic category</b>	Environment
<b>Keyword set</b>	

<b>keyword value</b>	AGRICULTURE-Crops
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	144.353026
East bounding longitude	148.439941
North bounding latitude	-37.052802
South bounding latitude	-34.268377
NSW Place Name	Wagga Wagga
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
<b>Coordinate reference system</b>	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	2015-01-01
End position	N/A
<b>Dataset reference date</b>	
Date type	creation
Effective date	2018-12-31
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Maintenance and update frequency	notPlanned
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Responsible party role	pointOfContact

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<b>Use constraints</b>	This data is provided under licence by the Office of Environment and Heritage (DPI). For further inquiries contact <a href="mailto:raj.ramachandran@dpi.nsw.gov.au">raj.ramachandran@dpi.nsw.gov.au</a> .
<b>Limitations on public access</b>	
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<b>Responsible party role</b>	distributor
<b>Metadata date</b>	2023-06-23
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