

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP7 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	27/05/70	Elevation:	No Data
Map Ref.:	Sheet No. : 6922	Rainfall:	780
Northing/Long.:	140.383333333333	Runoff:	No Data
Easting/Lat.:	-37.55	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	<1 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Ug6.2
		Great Soil Group:	Rendzina

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Black (5Y2/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; 0-2%, Gravel, coarse fragments; Soil matrix is Highly calcareous;
0.1 - 0.2 m	Black (5Y2/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; 0-2%, Gravel, coarse fragments; Soil matrix is Highly calcareous;
0.2 - 0.3 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; Very few (0 - 2 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.3 - 0.4 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.4 - 0.5 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.5 - 0.6 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm; Very strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.6 - 0.7 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Many (20 - 50 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.7 - 0.8 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Many (20 - 50 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.8 - 0.9 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Many (20 - 50 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.9 - 1 m	Grey (10YR5/1-Moist); ; Light clay; Strong grade of structure, 5-10 mm; Very strong consistence; Many (20 - 50 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;

Morphological Notes

Observation Notes

ORIGINALLY SP70/P10; CHEMICAL DATA IS FROM BULK OF 8 CORES;

Site Notes

MILLICENT

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	7.5I	0.58D								
0.1 - 0.2	8I	0.29D								
0.2 - 0.3	8.2I	0.22D								
0.3 - 0.4	8.3I	0.2D								
0.4 - 0.5	8.7I	0.22D								
0.5 - 0.6	8.8I	0.22D								
0.6 - 0.7	8.9I	0.29D								
0.7 - 0.8	8.7I	0.48D								
0.8 - 0.9	8.7I	0.61D								
0.9 - 1	9I	0.47D								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.1	10.3C				0.619A				2C	9	5	51
0.1 - 0.2	19.6C				0.398A				1C	10	7	50
0.2 - 0.3	37.4C				0.25A							
0.3 - 0.4	49.3C											
0.4 - 0.5	62.9C											
0.5 - 0.6	70.2C				0.06A							
0.6 - 0.7	72.6C											
0.7 - 0.8	62.4C											
0.8 - 0.9	67.3C											
0.9 - 1	73.7C				0.015A				19C	5	6	20

[illegible]

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
2A1	Air-dry moisture content
3_C_B	Electrical conductivity or soluble salts - Total soluble salts %
4A_C_2.5	pH of soil - pH of 1:2.5 soil/water suspension
5_C_B	Water soluble Chloride - Method recorded as B
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded