Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP3 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	**Locality:**	
Date Desc.:	26/05/70	**Elevation:**	No Data
Map Ref.:	Sheet No. : 6626 1:100000	**Rainfall:**	635
Northing/Long.:	138.55	**Runoff:**	No Data
Easting/Lat.:	-35.5833333333333	**Drainage:**	Imperfectly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	No Data
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	5 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dy4.41
Great Soil Group: Yellow podzolic soil

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Brownish yellow (10YR6/6-Moist); ; Sand; Massive grade of structure; Very weak consistence; Few (2 - 10 %), Ferruginous, , Nodules;
0.1 - 0.2 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.2 - 0.3 m	Brownish yellow (10YR6/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; Very few (0 - 2 %), Ferruginous, , Nodules;
0.3 - 0.4 m	Brownish yellow (10YR6/8-Moist); , 10YR46, 10-20% , Prominent; , 10-20% , Prominent; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; 0-2%, coarse fragments;
0.4 - 0.5 m	Brownish yellow (10YR6/8-Moist); , 10YR46, 10-20% , Prominent; , 10-20% , Prominent; Sandy medium clay; Massive grade of structure; Very strong consistence; 0-2%, coarse fragments;
0.5 - 0.6 m	Brownish yellow (10YR6/8-Moist); , 10YR46, 10-20% , Prominent; , 10-20% , Prominent; Sandy medium clay; Massive grade of structure; Very strong consistence; 0-2%, coarse fragments;
0.6 - 0.7 m	Brownish yellow (10YR6/8-Moist); , 10YR46, 10-20% , Prominent; , 10-20% , Prominent; Sandy medium clay; Massive grade of structure; Very strong consistence; 0-2%, coarse fragments;
0.7 - 0.8 m	Dark yellowish brown (10YR4/6-Moist); , 10YR76, 10-20% , Prominent; , 10-20% , Prominent; Sandy medium clay; Massive grade of structure; Very strong consistence; 0-2%, coarse fragments;
0.8 - 0.9 m	Dark yellowish brown (10YR4/6-Moist); , 10YR76, 10-20% , Prominent; , 10-20% , Prominent; Sandy medium clay; Massive grade of structure; Very strong consistence; 0-2%, coarse fragments;
0.9 - 1 m	Dark yellowish brown (10YR4/6-Moist); , 10YR76, 10-20% , Prominent; , 10-20% , Prominent; Sandy medium clay; Massive grade of structure; Very strong consistence; 0-2%, coarse fragments;

Morphological Notes

Observation Notes

SP70/P5; DATA IS FROM BULK OF 8 CORES;

Site Notes

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VICTOR HARBOUR

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	5.8l	0.18D								
0.1 - 0.2	5.5l	0.12D								
0.2 - 0.3	5.6l	0.1D								
0.3 - 0.4	6l	0.08D								
0.4 - 0.5	6l	0.07D								
0.5 - 0.6	6.1l	0.08D								
0.6 - 0.7	6l	0.08D								
0.7 - 0.8	5.8l	0.08D								
0.8 - 0.9	5.8l	0.08D								
0.9 - 1	5.5l	0.08D								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1					0.145A							
0.1 - 0.2					0.039A							
0.2 - 0.3					0.028A							
0.3 - 0.4												
0.4 - 0.5												
0.5 - 0.6					0.005A							
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1					0.005A							

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.1									
0.1 - 0.2									
0.2 - 0.3									
0.3 - 0.4									
0.4 - 0.5									
0.5 - 0.6									
0.6 - 0.7									
0.7 - 0.8									
0.8 - 0.9									
0.9 - 1									

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Laboratory Analyses Completed for this profile

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