Project Name: Regional

Project Code: REG Site ID: T245 Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: R.F. Isbell Locality: Zoology experimental plots:4KM NE of Gadgarra

Forestry Camp turnoff:

Date Desc.: 680 metres 30/06/76 Elevation: Map Ref.: Sheet No.: 8063 1:100000 Rainfall: 2030 Northing/Long.: 145.225 Runoff: Rapid Easting/Lat.: -17.2916666666667 Drainage: Well drained

Geology

Exposure Type:Soil pitConf. Sub. is Parent. Mat.:No DataGeol. Ref.:CzaSubstrate Material:Basalt

Land Form

Rel/Slope Class:No DataPattern Type:HillsMorph. Type:No DataRelief:No DataElem. Type:HillslopeSlope Category:No DataSlope:12.3 %Aspect:No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AAcidic Dystrophic Red FerrosolPrincipal Profile Form:Gn3.11ASC Confidence:Great Soil Group:Krasnozem

No analytical data are available but confidence is fair. <u>Site Disturbance:</u> No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments: 0-2%, , , Basalt

Profile Morphology

FIUITIE	Williphology						
A1	0 - 0.1 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Granular; Very firm consistence; ManyGradual change to -					
B1	0.1 - 0.2 m	Dark red (2.5YR3/6-Moist); ; Clay loam (Heavy); Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; ManyGradual change to -					
B1	0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Angular blocky; Firm consistence; CommonGradual change to -					
B1	0.3 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Very firm consistence; FewGradual change to -					
B2	0.6 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Very firm consistence; FewGradual change to -					
B2	0.9 - 1.2 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Very firm consistence; Gradual change to -					
B2	1.2 - 1.5 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Very firm consistence;					
	1.5 - 1.8 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Very firm consistence; Gradual change to -					
	1.8 - 2.1 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Very firm consistence;					

Morphological Notes

Observation Notes

1CM GRANULAR LAYER OF WORM CASTS ON SURFACE:90-180CM TUBULAR FRAGMENTS:180-210CM <2% W`D BA GRADING TO <20%:

Site Notes

GADGARRA

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Project Name: Project Code: Agency Name:

Laboratory Test Results:

На	1:5 EC	Exch	angeable	Cations	E	Exchangeable	CEC		ECEC	ESP	
		Ca Mg		K	Na	Acidity					
	dS/m				Cmol (+))/kg				%	
		3.04H	2.12	0.39	0.1		5.63	3A		1.78	,
		0.08H	1.16	0.27	0.06		3.16	SA.		1.90)
		0.11H	0.5	0.17	0.06		2.6	Α		2.31	
		<0.02H	0.21	0.1	0.04		0.1	Α		40.00	Э
		<0.02H	0.34	0.09	0.04		<0.1	Α			
		<0.02H	0.18		0.03		0.4	١			
		<0.02H	0.57		0.04		<0.1	Α			
		<0.02H	0.6		0.05		<0.1	Α			
		<0.02H	0.56		0.05		<0.1	A			
CaCO3	Organic	Avail.	Total	Total							.,
%	%	mg/kg	%	%	%	Mg/m3	GV	03	%	Siit Cia	y
COLE								Ks	at	K unsat	
	%	CaCO3 Organic C % %	Ca M 3.04H 0.08H 0.11H <0.02H <0.02H <0.02H <0.02H <0.02H <0.02H <0.02H <0.04 <0.05 mg/kg CaCO3 Organic P mg/kg	Ca Mg dS/m 3.04H 2.12 0.08H 1.16 0.11H 0.5 <0.02H 0.21 <0.02H 0.34 <0.02H 0.18 <0.02H 0.57 <0.02H 0.6 <0.02H 0.56 CaCO3 Organic Avail. Total C P P mg/kg % COLE Gravimetric/Vo	Ca Mg K 3.04H 2.12 0.39 0.08H 1.16 0.27 0.11H 0.5 0.17 <0.02H 0.21 0.1 <0.02H 0.34 0.09 <0.02H 0.18 <0.02H 0.57 <0.02H 0.66 <0.02H 0.56 CaCO3 Organic C P P N M mg/kg % % COLE Gravimetric/Volumetric W	Ca Mg K Na Cmol (+) 3.04H 2.12 0.39 0.1 0.08H 1.16 0.27 0.06 0.11H 0.5 0.17 0.06 <0.02H 0.21 0.1 0.04 <0.02H 0.34 0.09 0.04 <0.02H 0.18 0.03 <0.02H 0.57 0.04 <0.02H 0.6 0.05 <0.02H 0.56 0.05 <0.02H 0.57 0.04 <0.02H 0.57 0.04 <0.02H 0.57 0.06 <0.02H 0.57 0.05 <0.02H 0.56 0.05 <0.02H 0.57 0.0	Ca Mg K Na Acidity Cmol (+)/kg	Ca Mg K Na Acidity Cmol (+)/kg	Ca Mg K Na Acidity Cmol (+)/kg	Ca Mg K Na Actidity Cmol (+)/kg	Ca Mg K Na Acidity Cmol (+)/kg % 3.04H 2.12 0.39 0.1 5.63A 1.78 0.08H 1.16 0.27 0.06 3.16A 1.90 0.11H 0.5 0.17 0.06 2.6A 2.31 <0.02H 0.21 0.1 0.04 0.1A 40.00 <0.02H 0.34 0.09 0.04 0.1A <0.02H 0.18 0.03 0A <0.02H 0.57 0.04 0.05 <0.02H 0.6 0.05 0.1A <0.02H 0.56 0.05 0.05 CaCO3 Organic Avail. Total Total Bulk Particle Size Analysis C P P N K Density GV CS FS Silt Clay % % mg/kg % % % Mg/m3 % K sat K unsat

Depth	COLE		Grav	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 - 0.6 0.6 - 0.9 0.9 - 1.2 1.2 - 1.5 1.5 - 1.8 1.8 - 2.1

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Laboratory Analyses Completed for this profile

15A2_CEC	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1 NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts