Project Name: Project Code: Agency Name:	Nyabing Kukerin land reso NYA Site ID: Agriculture Western Austra	1023 O	bservatior	n ID: 1	I
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	Melanie Roberts 10/10/97	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data No Data		
<u>Geoloqy</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Material		No Data No Data	
Landform Rel/Slope Class: Morph. Type: Elem. Type: Slope:	No Data Lower-slope Hillslope %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data		
Surface Soil Co Erosion	ndition Hardsetting				
Soil Classificat	ion				
ASC Confidence	ed-Hypernatric Grey Sodosol	Princi Great	ng Unit: pal Profile F Soil Group:		N/A N/A N/A
Site Disturbance Vegetation Surface Coarse	:e	se fragments; No sur	face coarse	fragmen	ts
Profile Morphol					
A1 0 - 0.05 r	,	e; Field pH 5.9 (pH m	eter);		
B21t 0.05 - 0.9	, ,				
B22t 0.9 - 1.7	, ,	meter);			
Morphological A1 B21t EC of	Notes Massive grey clay Grey clay with orange mottli 7ms/m.	ng. Grey sand seam,	an old root	channel	with a pH of 6.0 & a
B22t Observation No	Kaolinite clay with mottling.				

Soil pit. Non-cracking grey clay. Weathered granite on surface. Old root channels in layer #2,filled with quartz + grey coarse sand. Root channel pH of 6.0 & EC of 7ms/m.

Project Name:	Nyabing Kukerii				
Project Code:	NYA	Site ID:	1023	Observation	1
Agency Name:	Agriculture Wes	tern Austra	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Exe	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Uu	ing	ĸ		(+)/kg			%
0 - 0.05	5B 6H	7B	2.78H	2.67	0.08	0.37	0.2J		5.9D	
0 - 0.05	5B 6H	7B	2.78H	2.67	0.08	0.37	0.2J		5.9D	
0.05 - 0.9	4.5B 5.6H	17B	0.25H	2.89	0.13	1.25	0.27J		4.52D	
0.05 - 0.9	4.5B 5.6H	17B	0.25H	2.89	0.13	1.25	0.27J		4.52D	
0.9 - 1.7	4.1B 4.4H	160B	<0.02K	3.1	0.25	4.2	0.12J		7.56D	

0.9 - 1.7	4.1B	160B <0	.02K 3.	1 0.2	5 4.2	0.12J	7.56D
	4.4H						

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.05 15.2		1.9D		140B	0.076E	E					4
0 - 0.05		1.9D		140B	0.076E						4
0.05 - 0.9 34.7		0.38D		39B	0.015E						2.2
0.05 - 0.9 34.7		0.38D		39B	0.015E						2.2
0.9 - 1.7 44.7		0.1D		130B	0.005E						35.5
0.9 - 1.7 44.7		0.1D		130B	0.005E						35.5

Laboratory Analyses Completed for this profile

15_1MLExchangeable bases (MIL+) Filled periods of sole Not recorded15E1_ALExchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts15E1_KExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable bases (unit++) for soluble salts16A1_NRBicarbonate-extractable potassium (not recorded)3_NRElectrical conductivity or soluble salts - Not recorded4B1	15_NR_BSa 15_NR_CA 15_NR_CMR 15_NR_MN	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Mn++) - meg per 100g of soil - Not recorded
15E1_CAExchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts15E1_KExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15L_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations18A1_NRBicarbonate-extractable potassium (not recorded)3_NRElectrical conductivity or soluble salts - Not recorded4_NRpH of soil - Not recorded4B_AL_NRAluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - direct4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacity9H21000 to 2000u particle size analysis, (method not recorded)		
saltsExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations18A1_NRBicarbonate-extractable potassium (not recorded)3_NRElectrical conductivity or soluble salts - Not recorded4_NRpH of soil - Not recorded4B_AL_NRAluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - method not recorded4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7C1aAmmonium-N, in presence or absence of nitrite7C1eNitrate-N, in presence or absence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	—	
15E1_KExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15E1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NAExchangeable base, CEC and AEC by compulsive exchange, no pretreatment for soluble salt:15L1_NABicarbonate-extractable potassium (not recorded)4B_NRPH of soil - Not recorded9A3Total Phosphorus (ppm) - semimicro k	_	Exchangeable bases (Caz+, Mg2+, Ma+, N+) by compulsive exchange, no preliealment for soluble
15E1_MGExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15E1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations18A1_NRBicarbonate-extractable potassium (not recorded)3_NRElectrical conductivity or soluble salts - Not recorded4_NRpH of soil - Not recorded4B_AL_NRAluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - direct4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7C1aAmmonium-N, in presence or absence of nitrite7C1eNitrate-N, in presence or obsence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)		Exchangeable bases. CEC and AEC by compulsive exchange no pretreatment for soluble salts
15E1_NAExchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salt15J_BASESSum of Bases15N1_bExchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations18A1_NRBicarbonate-extractable potassium (not recorded)3_NRElectrical conductivity or soluble salts - Not recorded4_NRpH of soil - Not recorded4B_AL_NRAluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - direct4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	_	
15J_BASESSum of Bases15N1_bExchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations18A1_NRBicarbonate-extractable potassium (not recorded)3_NRElectrical conductivity or soluble salts - Not recorded4_NRpH of soil - Not recorded4B_AL_NRAluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - direct4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	—	
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4B_AL_NRAluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded4B1pH of 1:5 soil/0.01M calcium chloride extract - direct4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	3_NR	Electrical conductivity or soluble salts - Not recorded
4B1pH of 1:5 soil/0.01M calcium chloride extract - direct4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	4_NR	pH of soil - Not recorded
4G_NRpH buffering capacity, (method not recorded)6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite7C1eNitrate-N, in presence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
6A1_UCOrganic carbon (%) - Uncorrected Walkley and Black method7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite7C1eNitrate-N, in presence or nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
7A1Total nitrogen - semimicro Kjeldahl, steam distillation7C1aAmmonium-N, in presence or absence of nitrite7C1eNitrate-N, in presence of nitrite9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)	4G_NR	
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9A3Total Phosphorus (ppm) - semimicro kjeldahl, automated colour9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)		
9B_NRBicarbonate-extractable phosphorus (not recorded)9H1Anion storage capacityP10_1m2m1000 to 2000u particle size analysis, (method not recorded)		
9H1 Anion storage capacity P10_1m2m 1000 to 2000u particle size analysis, (method not recorded)	•••••	
P10_1m2m 1000 to 2000u particle size analysis, (method not recorded)	_	
	••••	
PIU_2U_75 20 to 750 particle size analysis, (method not recorded)		
	PIU_2U_/5	zo to rou particle size analysis, (method not recorded)

Project Name:	Nyabing	Kukerin land reso	ourcs surve	∋y
Project Code: Agency Name:	NYA Agricultu	Site ID: re Western Austr		O
P10_75_106	75 to 106u pa	article size analysis,	(method not r	ecorded)

) > 2mm particle size analysis, (method not recorded)
> 2mm particle size analysis, (method not recorded)
Clay (%) - Not recorded
Sand (%) - Not recorded arithmetic difference, auto generated

P10_75_106 P10_gt2m P10_NR_C P10_NR_Saa P10_NR_Z P10106_150 P10150_180 P10180_300 P10300_600 P10300_600

Sand (%) - Not recorded arithmetic difference, auto general Silt (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 180 to 300u particle size analysis, (method not recorded) 300 to 600u particle size analysis, (method not recorded) 600 to 1000u particle size analysis, (method not recorded)

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