



Soil	Soil 99111				Soil 99112				Soil 99113				Soil 99114				Soil 99115			
Analysis	Units	N	Median	MAD	Lab¹	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab			
Salinity																				
Sat. Paste Moisture	%	32	46.1	3.7		37.0	3.0		29.0	1.5		37.4	3.6		49.3	3.1				
pH - sp	Unit	40	8.01	0.09		7.71	0.11		6.50	0.21		5.19	0.19		7.50	0.18				
ECe - sp	dS/m	43	1.40	0.12		1.37	0.14		0.29	0.04		1.08	0.12		1.05	0.10				
HCO3 - sp	mmol/L	14	6.7	0.72		5.2	0.91		1.0	0.43		1.0	0.43		3.4	0.64				
Ca - sp	mmol/L	37	2.9	0.43		6.2	0.91		1.3	0.20		7.2	0.95		7.5	0.81				
Mg - sp	mmol/L	37	1.51	0.28		3.6	0.43		0.8	0.09		2.6	0.38		2.96	0.36				
Na - sp	mmol/L	36	7.71	0.71		2.09	0.34		0.37	0.23		0.5	0.20		0.42	0.19				
SAR - sp	value	34	5.23	0.32		0.88	0.09		0.32	0.21		0.20	0.07		0.19	0.08				
Cl - sp	mmol/L	27	1.15	0.12		2.37	0.16		0.30	0.12		0.28	0.14		0.34	0.10				
SO4 - sp	mmol/L	24	3.28	0.38		1.97	0.25		0.39	0.07		0.38	0.08		0.66	0.09				
B - sp	mg/L	19	0.30	0.02		0.25	0.03		0.05	0.03		0.07	0.02		0.05	0.02				
Soil EC																				
Soil EC (1:1)	(dS/m)	32	0.57	0.08		0.50	0.10		0.10	0.04		0.40	0.08		0.46	0.06				
Soil EC (1:2)	(dS/m)	41	0.43	0.04		0.36	0.04		0.08	0.02		0.27	0.03		0.34	0.03				
Soil pH																				
pH (1:1)	Unit	82	8.38	0.13		8.00	0.10		6.50	0.10		5.40	0.10		7.72	0.12				
pH (1:2)	Unit	27	8.60	0.13		8.20	0.09		6.60	0.15		5.44	0.11		7.79	0.12				
pH (1:1) 0.01M CaCl₂	Unit	12	7.78	0.12		7.60	0.10		5.89	0.30		5.00	0.20		7.40	0.11				
pH (1:2) 0.01M CaCl₂	Unit	6	7.78	0.10		7.69	0.02		5.95	0.15		5.03	0.08		7.40	0.00				
Buffer pH																				
SMP Buffer pH	Unit	53	7.56	0.06		7.51	0.05		7.28	0.08		6.83	0.13		7.39	0.06				
Adams-Evans Buf pH	Unit	8	7.89	0.06		7.87	0.04		7.87	0.03		7.58	0.03		7.76	0.04				
Woodruff Buf. pH	Unit	15	7.19	0.02		7.10	0.01		6.90	0.10		6.60	0.13		7.09	0.04				

1 - Values flagged exceed Warning Limits " " based on 2.5 x MAD (Median Absolute Deviation) and Control Limits " " based on 4 x MAD.

Soil	Soil 99111		Soil 99112		Soil 99113		Soil 99114		Soil 99115	
Analysis	Units	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab
Nitrate (NO₃-N)										
Cd. Rd.	mg/kg	51	33.1	2.4	31	1.9	6.5	1.1	50.1	3.1
ISE	mg/kg	32	34.2	5.1	33	5.7	6.2	1.1	47.7	8.7
CTA	mg/kg	6	32.9	2.9	31	2.6	6.0	0.5	75.5	29.5
Ion Chromatography	mg/kg	7	33.0	6.8	28	4.0	6.7	1.6	50.0	7.6
Other	mg/kg	10	33.8	2.0	30	1.0	6.3	1.2	47.1	4.8
NH ₄ - N (KCl Extr.)	mg/kg	42	3.6	0.7	3.0	0.9	2.0	0.7	13.9	1.7
Phosphorus & Sulfur										
PO ₄ -P Bray P1 (1:10)	mg/kg	46	19.3	6.0	10.0	3.0	101	11.0	9.0	1.0
PO ₄ -P Bray P1 (1:7)	mg/kg	12	19.5	9.3	21.0	11.0	73.0	21.0	8.0	2.5
PO ₄ -P Olsen/Bicarb	mg/kg	66	17.0	1.8	31.2	2.3	22.3	2.7	5.0	1.0
PO ₄ -P AB-DTPA	mg/kg	1	13.9	0.0	27.3	0.0	26.1	0.0	1.2	0.0
PO ₄ -P M. Morgan	mg/kg	8	62.5	12.0	61.7	15.7	10.0	1.4	2.7	2
PO ₄ -P M. Kewlona	mg/kg	2	42.9	4.2	44.1	5	61.2	7.2	5.9	0.1
SO ₄ -S (PO ₄ Extr.)	mg/kg	42	22.1	7.5	13.6	3.4	4.4	1.8	6.0	1.2
Ammonium Ace. Bases										
K	mg/kg	84	1620	170	759	53	43	8	98	9
Ca	mg/kg	78	4020	496	3800	469	300	67	1570	119
Mg	mg/kg	77	530	52	470	34	48	11	258	23
Na	mg/kg	67	306	33	54	10	14	8	17	7
K- Bicarb.	mg/kg	8	1340	59	615	469	48	7	76	5
K Modified Morgan	mg/kg	4	1600	127	657	34.0	38	1.0	80	12
Ca Modified Morgan	mg/kg	4	13405	425	19257	10	425	130	1574	64
Al KCL Extr.	mg/kg	4	0.9	0.4	0.5	0.4	1.2	1.0	3.1	1.9

1 - Values flagged exceed Warning Limits " * " based on 2.5 x MAD (Median Absolute Deviation) and Control Limits " * * " based on 4 x MAD.

Soil	Soil 99106				Soil 99107				Soil 99108				Soil 99109				Soil 99110			
Analysis	Units	N	Median	MAD	Lab¹	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab			
Mehlich-1 Multi Element																				
Soil Scoop Mass	g	6	5.0	0.0		5.0	0.0		5.0	0.0		5.0	0.0		5.0	0.2				
P	mg/kg	8	29.4	1.2		35.9	2.9		65.0	3.9		25.7	2.1		3.8	1.1				
K	mg/kg	7	611	19		348	7.8		39	0.6		55	2.7		25	2.8				
Ca	mg/kg	7	4690	439		4690	417		346	18		1180	59		4400	574				
Mg	mg/kg	7	499	31		416	23		49	4		199	11		718	48				
Zn	mg/kg	6	0.10	0.06		0.05	0.03		2.97	0.13		0.96	0.04		0.19	0.11				
Mehlich-3 Multi-Element																				
Soil Scoop Mass	g	24	2.0	0.5		2.1	0.3		2.3	0.3		2.1	0.3		2.0	0.3				
Scoop Volume	mL	7	2.00	0.3		2.00	0.3		2.00	0.3		2.00	0.3		2.00	0.3				
P	mg/kg	42	73	5.9		89	9.0		122	14.5		12.5	2.5		6.0	1.6				
K	mg/kg	42	1710	190		800	77		53	5.2		104	7		95	9				
Ca	mg/kg	38	5810	397		5630	380		404	49		1600	133		4640	399				
Mg	mg/kg	37	966	62		607	40		61	8.0		277	18		545	40				
Na	mg/kg	17	330	32.5		54	5.8		7.1	3.1		12	4.0		18.6	3.6				
Al	mg/kg	11	250	35		189	31		572	49		842	39		754	55				
Zn	mg/kg	30	3.61	0.55		3.19	0.33		4.53	0.53		1.55	0.35		1.60	0.27				
Mn	mg/kg	27	82	7		201	34		116	10		94	8		88	9				
Fe	mg/kg	25	28	4		55	5		153	21		97	10		129	13.0				
Cu	mg/kg	28	0.93	0.20		3.25	0.25		1.66	0.16		1.50	0.15		2.21	0.26				
B	mg/kg	23	5.4	0.8		2.50	0.30		0.30	0.10		0.40	0.10		1.08	0.26				

1 - Values flagged exceed Warning Limits *** based on 2.5 x MAD (Median Absolute Deviation) and Control Limits ** based on 4 x MAD.

Soil	Soil 99111				Soil 99112				Soil 99113				Soil 99114				Soil 99115			
Analysis	Units	N	Median	MAD	Lab¹	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab			
Micronutrients																				
Zn - DTPA	mg/kg	84	1.47	0.22		1.07	0.11		1.90	0.20		1.03	0.15		0.66	0.10				
Mn - DTPA	mg/kg	76	10.9	1.3		10.6	2.2		5.6	0.9		38.8	4.4		10.2	1.8				
Fe - DTPA	mg/kg	78	2.0	0.4		6.8	0.8		8.5	1.5		27.8	2.2		17.0	2.2				
Cu - DTPA	mg/kg	77	0.33	0.07		1.20	0.10		0.68	0.10		1.03	0.07		0.80	0.10				
Zn - HCl	mg/kg	5	3.0	1.6		1.21	0.21		3.20	0.80		1.28	0.28		2.00	0.60				
Mn-H₃PO₄	mg/kg	5	2.5	0.5		8.1	1.2		18.5	1.5		32.0	2.88		17.0	1.5				
Cl - Ca(NO₃)₂ Extr.	mg/kg	14	17.0	2.6		29.0	7.0		2.8	0.8		2.6	0.6		6.0	1.4				
B - Hot Water	mg/kg	52	1.82	0.42		1.30	0.30		0.20	0.10		0.36	0.13		0.50	0.14				
Soil Organic Matter																				
Soil Kjeldahl N	%	26	0.160	0.010		0.105	0.015		0.020	0.005		0.090	0.011		0.170	0.015				
Soil TN (combustion)	%	25	0.173	0.016		0.110	0.010		0.024	0.009		0.091	0.011		0.170	0.018				
Soil TOC (combustion)	%	17	1.76	0.16		1.58	0.41		0.29	0.02		0.75	0.06		2.00	0.28				
SOM - Walkley-Black	%	57	2.88	0.22		1.92	0.18		0.60	0.12		1.33	0.15		3.27	0.27				
SOM - LOI (Raw Values)	%	61	3.09	0.30		1.93	0.23		0.60	0.10		1.78	0.23		3.85	0.29				
CaCO3 Content	%	18	3.30	0.70		6.30	0.62		0.27	0.13		0.4	0.3		3.90	0.93				
Soil CEC	mmol/kg	29	17.1	2.6		13.0	1.3		2.4	0.7		11.7	1.9		19.6	3.5				
Particle Size Analysis																				
Sand 2000 - 50 um	%	51	38.0	4.0		45.3	3.4		79.5	3.2		35.0	3.8		15.0	5.0				
Silt 50 - 2 um	%	51	48.0	4.0		37.6	2.6		15.6	3.2		47.7	3.3		48.0	5.2				
Clay 2 - 0 um	%	51	13.0	4.0		16.8	2.8		5.4	1.7		17.0	3.0		35.0	4.5				

1 - Values flagged exceed Warning Limits *** based on 2.5 x MAD (Median Absolute Deviation) and Control Limits *** based on 4 x MAD.