

Environment Monitoring Results



Environment Protection Licences No	1399
Link To Licence on EPA Website	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32670&SYSUID=1&LICID=1399
Licencees Name	Rivalea (Australia) Pty Ltd
Licencees Address	Redlands Road Corowa NSW 2646
Substance Monitored	SOIL
Monitoring Frequency	Yearly
Reporting period	11/02/2011 -11/02/2015
Published Date	11/03/2015

Sampling Date	Monitoring Point	ALUMINIUM - KCL EX (mg/kg)	Aluminium mg/kg	Aluminium Saturation %	Ammonium Nitrogen mg/Kg
8/04/2011	CENTRE PIVOT 17 (0-10CM) (MP 22)	0.00		1.50	
	CENTRE PIVOT 17 (30-40CM) (MP 22)				
	CENTRE PIVOT 23 (0-10CM) (MP 23)	9.20		1.70	
	CENTRE PIVOT 23 (30-40CM) (MP 23)				
	CENTRE PIVOT 3 (0-10CM) (MP 17)				
	CENTRE PIVOT 3 (30-40CM) (MP 17)	0.00		1.30	
	CENTRE PIVOT 4 (0-10CM) (MP 18)				
	CENTRE PIVOT 4 (30-40CM) (MP 18)				
	CENTRE PIVOT 7 (0-10CM) (MP 21)	0.00		0.90	
15/05/2012	CENTRE PIVOT 1 (0-10CM) (MP 7)		0.00	1.00	
	CENTRE PIVOT 1 (30-40CM) (MP 7)				
	CENTRE PIVOT 17 (0-10CM) (MP 22)		0.00	1.50	
	CENTRE PIVOT 17 (30-40CM) (MP 22)		0.00	1.60	
	CENTRE PIVOT 2 (0-10CM) (MP 9)				
	CENTRE PIVOT 23 (0-10CM) (MP 23)		9.80	1.60	
	CENTRE PIVOT 23 (30-40CM) (MP 23)				
	CENTRE PIVOT 3 (0-10CM) (MP 17)				
	CENTRE PIVOT 3 (30-40CM) (MP 17)				

Environment Monitoring Results



CALCIUM (% CATIONS)	CALCIUM (%)	CALCIUM (Meq/100g)	CALCIUM:MAGNESIUM RATIO	Cation Exchange Capacity (Meq/100g)	Chloride mg/kg	DRY AGGREGATE SLAKING	EC (uS/cm)
52.00			3.70	6.48	30.00		90.00
45.00			1.60	5.50	51.00		70.00
55.00			4.40	5.96	16.00		100.00
57.00			2.40	12.30	16.00		80.00
51.00			3.00	9.47	51.00		230.00
44.00			2.30	7.88	60.00		190.00
43.00			2.90	11.00	280.00		410.00
39.00			2.10	10.60	330.00		480.00
43.00			3.00	11.10	18.00		170.00
58.00			4.00	10.30	16.00	0.00	130.00
42.00			2.60	10.10	34.00	0.00	130.00
54.00			3.60	6.64	0.00	0.00	70.00
38.00			1.00	6.34	0.00	0.00	50.00
50.00			3.20	11.10	110.00	0.00	230.00
56.00			3.90	6.98	0.00	0.00	70.00
50.00			1.70	10.10	0.00	0.00	60.00
49.00			3.20	8.61	74.00	0.00	140.00
37.00			1.60	5.11	66.00	0.00	100.00

Environment Monitoring Results



EX CALCIUM (MEq/100g)	EX MAGNESIUM (MEq/100g)	EX POTASSIUM (MEq/100g)	EX SODIUM (MEq/100g)	Exchangeable Aluminium (Meq/100g)	Exchangeable Sodium Percentage	Loveday-Pyle Dispersion Index	MAGNESIUM (% CATIONS)
3.40	0.91	1.80	0.27	0.10		6.00	14.00
2.50	1.60	0.79	0.61			15.00	29.00
3.30	0.75	1.70	0.11	0.10		4.00	13.00
7.00	2.90	2.00	0.40			12.00	24.00
4.80	1.60	2.70	0.37			6.00	17.00
3.50	1.50	2.30	0.48	0.10		11.00	19.00
4.70	1.60	3.70	1.00			8.00	15.00
4.10	2.00	3.20	1.30			8.00	19.00
4.80	1.60	4.00	0.57	0.10		8.00	14.00
6.00	1.50	2.40	0.29	0.10	2.80	4.00	15.00
4.20	1.60	3.70	0.61		6.00	11.00	16.00
3.60	0.99	1.80	0.15	0.10	2.30	4.00	15.00
2.40	2.40	0.87	0.57	0.10	9.00	10.00	38.00
5.50	1.70	3.10	0.78		7.00	4.00	15.00
3.90	0.99	1.90	0.08	0.11	1.20	5.00	14.00
5.00	2.90	1.90	0.33		3.30	6.00	29.00
4.20	1.30	2.50	0.61		7.10	5.00	15.00
1.90	1.20	1.40	0.61		12.00	7.00	23.00

Environment Monitoring Results



MAGNESIUM (%)	NITRATE (mgN/kg)	ORGANIC CARBON %	pH - CaCl2 1:5	pH - WATER 1:5	PHOSPHORUS - COLWELL (mg/kg)	Phosphorus Buffer Index (PBI)	POTASSIUM (% CATIONS)
	8.40	1.70	5.10	6.30	42.00	75.00	28.00
	3.20	0.23	5.90	7.20	6.00	80.00	14.00
	22.00	1.80	4.90	5.90	32.00	50.00	29.00
	6.10	0.60	6.10	7.20	8.00	150.00	16.00
	50.00	1.70	6.30	7.10	180.00	77.00	29.00
	24.00	0.77	6.60	7.50	76.00	82.00	29.00
	57.00	1.50	6.10	6.90	110.00	77.00	34.00
	75.00	0.60	7.10	7.70	51.00	100.00	30.00
	17.00	1.80	5.90	7.00	210.00	76.00	36.00
	21.00	2.10	5.60	6.50	160.00	66.00	23.00
	4.70	0.32	6.60	7.60	20.00	150.00	37.00
	7.20	1.60	5.00	6.10	40.00	72.00	27.00
	0.00	0.33	5.40	6.80	0.00	106.00	14.00
	32.00	2.20	5.90	6.80	180.00	100.00	28.00
	7.60	1.90	4.90	5.90	39.00	66.00	27.00
	0.00	0.43	6.10	7.10	6.00	180.00	19.00
	3.50	1.80	5.60	6.70	61.00	62.00	29.00
	1.40	0.19	6.50	7.70	7.00	60.00	27.00

Environment Monitoring Results



POTASSIUM (%)	POTASSIUM-AVAILABLE (mg/kg)	POTASSIUM:MAGNESIUM RATIO	REMOULDED AGGREGATE SLAKING 2 hrs	SODIUM %	SODIUM (% CATIONS)	SODIUM (%)	Total Nitrogen (N) mg/Kg
	680.00	2.00	0.00		4.20		1400.00
	310.00	0.50	0.00	11.00			0.00
	660.00	2.30	0.00		1.80		1700.00
	790.00	0.70	0.00	3.30			500.00
	1000.00	1.70	0.00	3.90			1400.00
	890.00	1.50	0.00		6.10		700.00
	1400.00	2.30	0.00	9.10			1400.00
	1300.00	1.60	0.00	12.00			700.00
	1500.00	2.50	0.00		5.10		1700.00
	940.00	1.60					2100.00
	1400.00	2.30					400.00
	710.00	1.80					1300.00
	340.00	0.40					0.00
	1200.00	1.80					2100.00
	730.00	1.90					1800.00
	730.00	0.70					0.00
	960.00	1.90					1800.00
	550.00	1.20					0.00

Environment Monitoring Results



Total Phosphorus (mg/kg)
400.00
200.00
400.00
200.00
600.00
400.00
500.00
300.00
900.00
700.00
300.00
400.00
200.00
600.00
400.00
200.00
400.00
100.00

Environment Monitoring Results



15/05/2012	CENTRE PIVOT 4 (0-10CM) (MP 18)				
	CENTRE PIVOT 4 (30-40CM) (MP 18)				
	CENTRE PIVOT 5 (0-10CM) (MP 19)				
	CENTRE PIVOT 5 (30-40 CM) (MP 19)				
	CENTRE PIVOT 6 (0-10CM) (MP 20)				
	CENTRE PIVOT 6 (30-40CM) (MP 20)				
	CENTRE PIVOT 7 (0-10CM) (MP 21)		0.00	0.90	
26/07/2013	CENTRE PIVOT 1 (0-10CM) (MP 7)	0.00		0.00	5.00
	CENTRE PIVOT 1 (30-40CM) (MP 7)	0.00		0.00	1.50
	CENTRE PIVOT 17 (0-10CM) (MP 22)	9.00		1.30	1.90
	CENTRE PIVOT 17 (30-40CM) (MP 22)	0.00		0.00	0.80
	CENTRE PIVOT 2 (0-10CM) (MP 9)	0.00		0.00	2.50
	CENTRE PIVOT 23 (0-10CM) (MP 23)	9.00		1.50	2.10
	CENTRE PIVOT 23 (30-40CM) (MP 23)	0.00		0.00	1.00
	CENTRE PIVOT 3 (0-10CM) (MP 17)	9.00		1.20	1.60
	CENTRE PIVOT 3 (30-40CM) (MP 17)	0.00		0.00	0.70
	CENTRE PIVOT 4 (0-10CM) (MP 18)	0.00		0.00	3.20
	CENTRE PIVOT 4 (30-40CM) (MP 18)	0.00		0.00	0.80
	CENTRE PIVOT 5 (0-10CM) (MP 19)	0.00		0.00	5.70
	CENTRE PIVOT 5 (30-40 CM) (MP 19)	9.00		0.90	1.30
	CENTRE PIVOT 6 (0-10CM) (MP 20)	0.00		0.00	2.10
	CENTRE PIVOT 6 (30-40CM) (MP 20)	0.00		0.00	0.70
	CENTRE PIVOT 7 (0-10CM) (MP 21)	9.00		0.90	1.90
	18/08/2014	CENTRE PIVOT 1 (0-10CM) (MP 7)	0.00		0.00
CENTRE PIVOT 1 (30-40CM) (MP 7)		0.00		0.00	0.60
CENTRE PIVOT 17 (0-10CM) (MP 22)		28.00		5.90	3.60
CENTRE PIVOT 17 (30-40CM) (MP 22)		0.00		0.00	0.80

Environment Monitoring Results



50.00			3.80	12.00	100.00	0.00	250.00
34.00			2.20	10.40	160.00	0.00	230.00
51.00			3.40	9.22	59.00	0.00	140.00
39.00			2.10	8.31	45.00	0.00	110.00
61.00			3.50	23.10	13.00	0.00	180.00
47.00			1.60	11.70	11.00	0.00	140.00
52.00			3.40	10.60	29.00	0.00	190.00
	59.00	5.00	3.80	8.53	13.00	0.00	130.00
	35.00	3.00	1.40	8.48	37.00	0.00	130.00
	61.00	4.80	4.00	7.87	18.00	0.00	130.00
	51.00	5.50	1.70	10.80	22.00	0.00	80.00
	51.00	5.50	2.90	50.00	120.00	0.00	240.00
	55.00	3.60	3.60	6.53	23.00	0.00	110.00
	44.00	5.00	1.30	11.40	30.00	0.00	100.00
	49.00	4.20	3.00	8.61	24.00	0.00	130.00
	34.00	4.00	0.90	11.80	75.00	0.00	160.00
	54.00	5.50	3.70	10.20	11.00	0.00	130.00
	50.00	7.00	3.30	14.10	66.00	0.00	200.00
	41.00	5.50	2.20	13.40	160.00	0.00	410.00
	38.00	4.40	1.20	11.70	170.00	0.00	300.00
	56.00	6.00	3.50	10.70	10.00	0.00	120.00
	37.00	3.30	1.80	8.94	58.00	0.00	220.00
	43.00	4.90	2.60	11.30	140.00	0.00	430.00
	42.00	4.30	2.50	10.30	280.00	0.00	430.00
	39.00	3.10	2.60	8.00	240.00	0.00	350.00
	50.00	2.60	3.90	5.22	74.00	0.00	110.00
	28.00	3.90	0.60	14.10	160.00	0.00	220.00

Environment Monitoring Results



6.00	1.60	3.70	0.74		6.20	5.00	13.00
3.50	1.60	4.20	1.10		11.00	8.00	15.00
4.70	1.40	2.70	0.42		4.60	5.00	15.00
3.20	1.50	3.00	0.61		7.30	10.00	18.00
14.00	4.00	4.80	0.26		1.10	4.00	17.00
5.50	3.40	2.30	0.48		4.10	12.00	29.00
5.50	1.60	3.10	0.32	0.10	3.00	4.00	15.00
	1.30	2.10	0.13	0.00		11.00	
	2.10	2.90	0.48	0.00		13.00	
	1.20	1.60	0.17	0.10		10.00	
	3.20	1.40	0.65	0.00		14.00	
	1.90	2.60	0.83	0.00		10.00	
	0.99	1.70	0.14	0.10		10.00	
	4.00	1.60	0.78	0.00		14.00	
	1.40	2.60	0.31	0.10		11.00	
	4.50	2.30	1.00	0.00		13.00	
	1.50	3.00	0.15	0.00		11.00	
	2.10	4.00	0.96	0.00		15.00	
	2.50	4.40	0.96	0.00		10.00	
	3.60	2.50	1.10	0.10		12.00	
	1.70	2.90	0.10	0.00		11.00	
	1.80	3.10	0.74	0.00		15.00	
	1.90	3.60	0.78	0.10		9.00	
	1.70	3.30	1.00	0.00		4.00	
	1.20	2.60	1.10	0.00		10.00	
	0.67	1.50	0.14	0.31		7.00	
	6.80	0.60	2.80	0.00		16.00	

Environment Monitoring Results



	39.00	1.90	6.10	6.90	120.00	75.00	31.00
	13.00	0.33	7.00	8.00	22.00	130.00	40.00
	13.00	1.80	5.50	6.40	73.00	81.00	29.00
	2.30	0.29	6.20	7.40	21.00	110.00	36.00
	2.80	1.20	7.70	8.30	73.00	77.00	21.00
	0.00	0.49	7.60	8.30	66.00	90.00	20.00
	54.00	2.40	5.20	6.10	150.00	57.00	29.00
15.00	22.00	1.80	5.50	6.50	140.00	55.00	
25.00	14.00	0.26	7.10	8.10	13.00	110.00	
15.00	42.00	1.60	5.00	5.80	36.00	69.00	
30.00	11.00	0.44	6.10	7.20	10.00	130.00	
18.00	40.00	1.50	5.90	6.80	0.14	110.00	
15.00	28.00	2.00	4.70	5.70	46.00	52.00	
35.00	13.00	0.44	6.00	7.10	7.00	150.00	
16.00	28.00	1.40	5.40	6.50	35.00	53.00	
38.00	26.00	0.29	6.20	7.20	7.00	110.00	
15.00	19.00	1.90	5.70	6.70	240.00	67.00	
15.00	23.00	0.88	6.90	8.00	27.00	100.00	
19.00	71.00	2.10	6.20	6.90	170.00	70.00	
31.00	53.00	0.40	5.40	6.20	9.00	100.00	
16.00	13.00	2.30	5.50	6.60	290.00	100.00	
20.00	8.80	0.18	8.10	9.10	40.00	77.00	
17.00	140.00	1.80	5.10	5.80	86.00	57.00	
17.00	76.00	1.80	6.10	6.80	210.00	50.00	
15.00	61.00	0.21	7.00	7.70	12.00	76.00	
13.00	14.00	1.30	4.50	5.40	100.00	66.00	
48.00	9.20	0.32	6.10	7.20	7.00	120.00	

Environment Monitoring Results



	1400.00	2.30					2100.00
	1700.00	2.60					0.00
	1100.00	1.90					1900.00
	1200.00	2.00					600.00
	1900.00	1.20					1300.00
	890.00	0.70					0.00
	1200.00	1.90					2400.00
25.00	820.00	1.60			0.00	1.50	160.00
34.00	1100.00	1.40			0.00	5.70	400.00
20.00	620.00	1.30			2.20	0.00	160.00
13.00	560.00	0.40			0.00	6.00	60.00
24.00	1000.00	1.40			0.00	7.70	140.00
26.00	680.00	1.70			2.10	0.00	160.00
14.00	640.00	0.40			0.00	6.80	50.00
30.00	1000.00	1.90			3.60	0.00	120.00
19.00	880.00	0.50			0.00	8.50	400.00
29.00	1200.00	2.00			0.00	1.50	190.00
28.00	1600.00	1.90			0.00	6.80	60.00
33.00	1700.00	1.80			0.00	7.20	210.00
21.00	970.00	0.70			9.40	0.00	50.00
27.00	1100.00	1.70			0.00	0.93	240.00
35.00	1200.00	1.70			0.00	8.30	40.00
32.00	1400.00	1.90			6.90	0.00	180.00
32.00	1300.00	1.90			0.00	9.70	1800.00
33.00	1000.00	2.20			0.00	14.00	400.00
29.00	580.00	2.20			2.70	0.00	1000.00
4.30	230.00	0.10			0.00	20.00	400.00

Environment Monitoring Results



700.00
300.00
500.00
300.00
400.00
300.00
700.00
60.00
20.00
40.00
30.00
74.00
40.00
20.00
40.00
20.00
90.00
30.00
60.00
20.00
110.00
0.03
50.00
600.00
200.00
400.00
100.00

Environment Monitoring Results



18/08/2014	CENTRE PIVOT 2 (0-10CM) (MP 9)	0.00		0.00	1.50
	CENTRE PIVOT 23 (0-10CM) (MP 23)	11.00		2.20	2.00
	CENTRE PIVOT 23 (30-40CM) (MP 23)	0.00		0.00	1.00
	CENTRE PIVOT 3 (0-10CM) (MP 17)	9.00		1.40	1.10
	CENTRE PIVOT 3 (30-40CM) (MP 17)	0.00		0.00	0.60
	CENTRE PIVOT 4 (0-10CM) (MP 18)	0.00		0.00	1.70
	CENTRE PIVOT 4 (30-40CM) (MP 18)	0.00		0.00	0.80
	CENTRE PIVOT 5 (0-10CM) (MP 19)	26.00		4.10	2.90
	CENTRE PIVOT 5 (30-40 CM) (MP 19)	9.00		1.00	0.60
	CENTRE PIVOT 6 (0-10CM) (MP 20)	9.00		1.10	1.40
	CENTRE PIVOT 6 (30-40CM) (MP 20)	0.00		0.00	0.60
	CENTRE PIVOT 7 (0-10CM) (MP 21)	9.00		1.10	1.30

Average					
Monitoring Point	ALUMINIUM-KCL EX (mg/kg)	Aluminium mg/kg	Aluminium Saturation %	Ammonium Nitrogen mg/Kg	CALCIUM (% CATIONS)
CENTRE PIVOT 1 (0-10CM) (MP 7)	0.00	0.00	0.33	3.00	58.00
CENTRE PIVOT 1 (30-40CM) (MP 7)	0.00		0.00	1.05	42.00
CENTRE PIVOT 17 (0-10CM) (MP 22)	12.33	0.00	2.55	2.75	53.00
CENTRE PIVOT 17 (30-40CM) (MP 22)	0.00	0.00	0.53	0.80	41.50
CENTRE PIVOT 2 (0-10CM) (MP 9)	0.00		0.00	2.00	50.00
CENTRE PIVOT 23 (0-10CM) (MP 23)	9.73	9.80	1.75	2.05	55.50
CENTRE PIVOT 23 (30-40CM) (MP 23)	0.00		0.00	1.00	53.50
CENTRE PIVOT 3 (0-10CM) (MP 17)	9.00		1.30	1.35	50.00
CENTRE PIVOT 3 (30-40CM) (MP 17)	0.00		0.43	0.65	40.50
CENTRE PIVOT 4 (0-10CM) (MP 18)	0.00		0.00	2.45	46.50
CENTRE PIVOT 4 (30-40CM) (MP 18)	0.00		0.00	0.80	36.50
CENTRE PIVOT 5 (0-10CM) (MP 19)	13.00		2.05	4.30	51.00

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	49.00	4.90	2.60	10.10	27.00	0.00	150.00
	62.00	3.30	3.60	5.35	10.00	0.00	70.00
	45.00	3.70	1.00	8.16	10.00	0.00	40.00
	50.00	3.50	2.90	6.95	15.00	0.00	90.00
	44.00	3.60	1.80	8.11	88.00	0.00	120.00
	60.00	5.00	4.50	8.36	10.00	0.00	70.00
	34.00	2.90	1.60	8.60	23.00	0.00	110.00
	52.00	3.70	2.30	7.12	10.00	0.00	50.00
	24.00	2.40	0.50	9.82	11.00	0.00	60.00
	48.00	4.50	3.00	9.33	43.00	0.00	140.00
	26.00	1.80	0.70	7.00	63.00	0.00	120.00
	42.00	4.00	2.90	9.42	140.00	0.00	300.00

CALCIUM (%)	CALCIUM (Meq/100g)	CALCIUM:MAGNESIUM RATIO	Cation Exchange Capacity (Meq/100g)	Chloride mg/kg	DRY AGGREGATE SLAKING	EC (uS/cm)
50.50	4.65	3.43	9.71	103.00	0.00	230.00
37.00	3.05	2.20	8.86	103.67	0.00	203.33
55.50	3.70	3.80	6.55	30.50	0.00	100.00
39.50	4.70	1.23	9.19	58.25	0.00	105.00
50.00	5.20	2.90	23.73	85.67	0.00	206.67
58.50	3.45	3.88	6.21	12.25	0.00	87.50
44.50	4.35	1.60	10.49	14.00	0.00	70.00
49.50	3.85	3.03	8.41	41.00	0.00	147.50
39.00	3.80	1.65	8.23	72.25	0.00	142.50
57.00	5.25	3.73	10.39	100.25	0.00	215.00
42.00	4.95	2.30	10.93	144.75	0.00	255.00
46.50	4.60	2.63	9.91	76.33	0.00	200.00

Environment Monitoring Results



	1.90	2.90	0.42	0.00		6.00
	6.80	0.99	0.03	0.12		4.00
	3.60	0.64	0.22	0.00		5.00
	1.20	2.00	0.15	0.10		7.00
	2.00	1.60	0.91	0.00		16.00
	1.10	2.10	0.16	0.00		8.00
	1.80	3.20	0.70	0.00		16.00
	1.60	1.40	0.13	0.29		7.00
	4.80	0.32	2.20	0.10		16.00
	1.50	2.90	0.33	0.10		8.00
	2.70	1.80	0.70	0.00		16.00
	1.40	3.40	0.52	0.10		4.00

EX CALCIUM (MEq/100g)	EX MAGNESIUM (MEq/100g)	EX POTASSIUM (MEq/100g)	EX SODIUM (MEq/100g)	Exchangeable Aluminium (Meq/100g)	Exchangeable Sodium Percentage	Loveday-Pyle Dispersion Index
6.00	1.50	2.60	0.47	0.03	2.80	6.33
4.20	1.63	3.07	0.73	0.00	6.00	11.33
3.50	0.94	1.67	0.18	0.15	2.30	6.75
2.45	3.50	0.92	1.16	0.03	9.00	13.75
5.50	1.83	2.87	0.68	0.00	7.00	6.67
3.60	2.38	1.57	0.09	0.11	1.20	5.75
6.00	3.35	1.53	0.43	0.00	3.30	9.25
4.50	1.38	2.45	0.36	0.10	7.10	7.25
2.70	2.30	1.90	0.75	0.03	12.00	11.75
5.35	1.45	3.13	0.51	0.00	6.20	8.00
3.80	1.87	3.65	1.01	0.00	11.00	11.75
4.70	1.83	2.83	0.50	0.14	4.60	7.33

Environment Monitoring Results



19.00	25.00	2.30	5.80	6.80	160.00	62.00
17.00	15.00	1.30	4.60	5.40	180.00	70.00
44.00	5.60	0.23	5.80	6.90	8.00	150.00
17.00	24.00	1.50	5.10	6.20	34.00	39.00
25.00	15.00	0.25	7.00	8.10	6.00	99.00
13.00	8.70	1.50	5.70	6.80	60.00	52.00
21.00	4.00	0.27	5.90	7.10	7.00	130.00
22.00	4.90	2.00	4.50	5.50	97.00	100.00
49.00	1.00	0.20	5.30	7.10	5.00	63.00
16.00	33.00	1.70	5.40	6.50	43.00	38.00
39.00	21.00	0.23	5.90	7.00	5.00	58.00
15.00	78.00	1.80	4.90	5.80	110.00	47.00

MAGNESIUM (% CATIONS)	MAGNESIUM (%)	NITRATE (mgN/kg)	ORGANIC CARBON %	pH - CaCl2 1:5	pH - WATER 1:5	PHOSPHORUS - COLWELL (mg/kg)
15.00	16.00	39.67	1.90	5.73	6.60	170.00
16.00	20.00	26.57	0.26	6.90	7.80	15.00
14.50	14.00	17.90	1.55	4.90	5.90	54.50
33.50	39.00	5.85	0.33	5.88	7.10	5.75
15.00	18.50	32.33	2.00	5.87	6.80	113.38
13.50	16.00	18.15	1.75	4.77	5.73	74.25
26.50	39.50	6.17	0.43	6.00	7.07	7.25
16.00	16.50	26.38	1.60	5.60	6.62	77.50
21.00	31.50	16.60	0.37	6.57	7.63	24.00
14.00	14.00	30.92	1.70	5.90	6.83	132.50
17.00	18.00	28.75	0.52	6.73	7.70	26.75
15.00	20.50	29.63	1.97	5.40	6.27	113.33

Environment Monitoring Results



29.00	1100.00	1.50			0.00	4.20	2000.00
19.00	390.00	1.10			0.49	0.00	1500.00
7.80	250.00	0.20			0.00	2.70	500.00
29.00	780.00	1.70			2.20	0.00	1600.00
20.00	620.00	0.80			0.00	11.00	500.00
25.00	830.00	1.90			0.00	1.90	1500.00
37.00	1300.00	1.80			0.00	8.10	500.00
20.00	530.00	0.90			1.80	0.00	1900.00
3.30	130.00	0.10			22.00	0.00	400.00
31.00	1100.00	1.90			3.50	0.00	1600.00
26.00	710.00	0.70			0.00	10.00	400.00
36.00	1300.00	2.40			5.50	0.00	1800.00

Phosphorus Buffer Index (PBI)	POTASSIUM (% CATIONS)	POTASSIUM (%)	POTASSIUM-AVAILABLE (mg/kg)	POTASSIUM: MAGNESIUM RATIO	REMOULDED AGGREGATE SLAKING 2 hrs	SODIUM %
57.00	23.00	28.50	1020.00	1.70		
112.00	37.00	33.50	1166.67	1.97		
70.50	27.50	24.50	647.50	1.82	0.00	
109.00	14.00	8.65	360.00	0.35	0.00	11.00
90.67	28.00	26.50	1100.00	1.57		
59.50	28.00	22.50	615.00	1.75	0.00	
157.50	17.50	10.90	602.50	0.50	0.00	3.30
57.75	29.00	29.50	935.00	1.80	0.00	3.90
87.75	28.00	19.50	735.00	1.00	0.00	
67.75	32.50	27.00	1207.50	2.12	0.00	9.10
115.00	35.00	32.50	1475.00	1.97	0.00	12.00
83.67	29.00	26.50	1110.00	1.53		

Environment Monitoring Results



600.00
700.00
300.00
400.00
200.00
400.00
200.00
500.00
200.00
300.00
200.00
600.00

SODIUM (% CATIONS)	SODIUM (%)	Total Nitrogen (N) mg/Kg	Total Phosphorus (mg/kg)
0.00	5.60	1353.33	453.33
0.00	9.85	400.00	173.33
3.03	0.00	965.00	310.00
0.00	13.00	115.00	132.50
0.00	5.95	1413.33	424.67
1.46	0.00	1290.00	385.00
0.00	4.75	262.50	180.00
2.90	0.00	1230.00	360.00
2.03	9.75	400.00	180.00
0.00	1.70	1297.50	422.50
0.00	7.45	315.00	207.50
0.90	3.60	1336.67	353.33

Environment Monitoring Results



CENTRE PIVOT 5 (30-40 CM) (MP 19)	9.00		0.95	0.95	39.00
CENTRE PIVOT 6 (0-10CM) (MP 20)	4.50		0.55	1.75	61.00
CENTRE PIVOT 6 (30-40CM) (MP 20)	0.00		0.00	0.65	47.00
CENTRE PIVOT 7 (0-10CM) (MP 21)	6.00	0.00	0.95	1.60	47.50

Environment Monitoring Results



31.00	3.40	1.27	9.94	75.33	0.00	156.67
52.00	5.25	3.33	14.38	22.00	0.00	146.67
31.50	2.55	1.37	9.21	44.00	0.00	160.00
42.50	4.45	2.98	10.61	81.75	0.00	272.50

Environment Monitoring Results



3.20	3.30	1.94	1.30	0.10	7.30	12.67
14.00	2.40	3.53	0.23	0.05	1.10	7.67
5.50	2.63	2.40	0.64	0.00	4.10	14.33
5.15	1.63	3.52	0.55	0.10	3.00	6.25

Environment Monitoring Results



18.00	40.00	18.77	0.30	5.63	6.90	11.67
17.00	16.00	16.27	1.73	6.20	7.13	135.33
29.00	29.50	9.93	0.30	7.20	8.13	37.00
14.50	16.00	72.25	1.95	5.27	6.18	139.00

Environment Monitoring Results



91.00	36.00	12.15	766.67	0.93		
71.67	21.00	29.00	1366.67	1.60		
75.00	20.00	30.50	933.33	1.03		
59.25	32.50	34.00	1350.00	2.18	0.00	

Environment Monitoring Results



15.70	0.00	350.00	173.33
1.75	0.47	1046.67	270.00
0.00	9.15	146.67	166.68
5.83	0.00	1520.00	562.50