

*Not Tested (NT) No Sample (NS)

ANALYSIS	LOR	Units	IRRIGATION BAY 1					IRRIGATION BAY 2					IRRIGATION BAY 3					IRRIGATION BAY 4				
			0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE	0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE	0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE	0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE
pH in Soil (1:5)	-	pH Unit	6.4	6.4	6.1	7.5	6.60	6.7	6.9	6.6	7.3	6.88	6.5	6.4	6.7	7.3	6.73	6.6	6.2	5.9	6.2	6.23
Electrical Conductivity µS/cm	5	µS/cm	2090	1680	2900	2940	2402.50	1740	1360	1050	1390	1385.00	780	1150	1680	1280	1222.50	1510	1700	2350	2920	2120.00
Total Nitrogen (TKN + NOx)	0.1	mg/kg	704	517	457	1170	712.00	811	1620	393	525	837.25	298	325	243	486	338.00	645	529	426	398	499.50
Colwell P - mg/kg	-	mg/kg P	83	33	23	36	43.75	119	380	29	32	140.00	35	43	25	27	32.50	217	50	27	28	80.50
Chromium reducible Sulfur	-	-	0.009	0.003	0.001	0.003	0.00	0.011	0.009	0.009	0.006	0.01	0.005	0.007	0.008	0.011	0.01	0.013	0.01	0.007	0.011	0.01
Emerson Agregate Test (EAT)	-	-	2	2	2	2	2.00	2	3	2	2	2.25	2	2	2	2	2.00	2	2	2	2	2.00
Phosphorus -Bray 2	-	mg/kg	128	23	7.6	30	47.15	215	1606	84	13	479.50	17	42	10	21	22.50	354	42	11	10	104.25
Total Carbon (TOC)	0.1	%w/w	3	0.6	0.5	4.2	2.08	1.3	2.3	0.4	0.5	1.13	0.7	0.9	0.7	0.3	0.65	2.1	0.7	0.6	0.3	0.93
Sodium Absorbtion Ratio (SAR)	0.2	-	33.65	49.4	85.32	81.81	62.55	58.33	28.88	15.58	36.22	34.75	34.54	27.2	58.96	20.58	35.32	47.37	42.48	27.54	117.85	58.81
Sodium Disolved	1	mg/L	1720	1450	2690	2640	2125.00	1490	1090	960	1240	1195.00	620	960	1450	1140	1042.50	1280	1490	1710	2600	1770.00
Calcium Disolved	0.1	mg/L	180	34	49	46	77.25	33	94	90	46	65.75	18	45	34	76	43.25	29	29	45	29	33.00
Magnesium Disolved	0.05	mg/L	11	19	16	20	16.50	10	8.5	120	26	41.13	3.9	30	7.2	95	34.03	16	39	150	4.8	52.45
Chloride in Soil (1:5)	10	mg/kg	2018	2194	4155	3851	3054.50	2025	1256	1108	1211	1400.00	730	1239	2015	1351	1333.75	1758	2172	2530	3922	2595.50
Cadnium (Cd)	0.5	mg/kg	0.5	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.5	0.50
Phosphorus (P)	5	mg/kg	1050	292	249	26	404.25	533	2130	196	237	774.00	201	309	352	271	283.25	728	365	243	284	405.00
Sulphur (S)	20	mg/kg	1300	275	340	47	490.50	511	927	239	413	522.50	243	275	219	337	268.50	880	295	304	328	451.75
Exchangeable Calcium	-	cmol+/kg	8.2	3.9	8	22	10.53	7.1	7.9	6.4	7.2	7.15	3.9	4.6	5.1	9.1	5.68	9.5	3.7	4.5	5.2	5.73
Exchangeable Calcium	-	mg/kg	1652	772	1609	4347	2095.00	1431	1581	1286	1440	1434.50	786	916	1024	1822	1137.00	1894	740	904	1036	1143.50
Exchangeable Magnesium	-	cmol+/kg	0.94	0.91	4	6	2.96	0.97	0.58	1.6	5.9	2.26	0.74	0.61	0.83	5.7	1.97	0.76	0.53	0.82	1.8	0.98
Exchangeable Magnesium	-	mg/kg	114	111	487	726	359.50	117	70	195	716	274.50	90	74	101	690	238.75	92	64	99	222	119.25
Exchangeable Sodium	-	cmol+/kg	7.8	9	12	22	12.70	6.9	6.7	8.4	13	8.75	6.1	8.3	12	9.3	8.93	16	12	16	25	17.25
Exchangeable Sodium	-	mg/kg	1793	2068	2757	5048	2916.50	1598	1541	1937	3013	2022.25	1400	1914	2863	2149	2081.50	3646	2805	3736	5654	3960.25
Exchangeable Potassium	-	cmol+/kg	1.5	1.2	1.8	2.4	1.73	1.7	1.6	1.8	2.2	1.83	1.3	1.6	1.9	2.2	1.75	2	1.6	1.9	2	1.88
Exchangeable Potassium	-	mg/kg	567	475	713	944	674.75	669	631	707	859	716.50	513	619	729	856	679.25	796	609	742	780	731.75
Cation Exchange Capacity (CEC)	-	cmol+/kg	<0.01	0.01	<0.01	<0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.02	<0.01	0.01	0.02	0.02	0.02	0.01	0.02
Exchangeable Sodium Percentage (ESP)	-	%	<1	1.3	<1	<1	1.30	1.2	1	1.4	1.5	1.28	1.3	1.2	1.8	<1	1.43	1.4	1.7	1.5	1.3	1.48
Exchangeable Aluminium	-	cmol+/kg	18	16	26	52	28.00	17	17	18	28	20.00	12	15	20	26	18.25	28	19	24	34	26.25
Exchangeable Aluminium	-	mg/kg	42	56	46	42	46.50	41	40	46	46	43.25	49	55	61	36	50.25	56	66	69	73	66.00
Nitrite (as N)	0.1	mg/kg	2.2	0.92	0.1	0.1	0.83	2.1	9.9	6.4	0.68	4.77	0.1	2.5	0.32	2.6	1.38	3.5	2.9	8.5	0.1	3.75
Nitrate (as N)	0.1	mg/kg	52	36	87	79	63.50	49	57	47	64	54.25	7.9	62	73	63	51.48	51	56	47	68	55.50
Total Kjeldahl nitrogen	20	mg/kg	650	480	370	1090	647.50	760	1550	340	460	777.50	290	260	170	420	285.00	590	470	370	330	440.00
Moisture Content - Soil	0.1	%	9.6	8.3	14.7	15.5	12.03	6.8	9.1	8	13.5	9.35	6.2	7.5	10.1	12.4	9.05	9.8	8.2	10.8	15.2	11.00
Ammonia	0.1	mg/kg	5	5.8	3.2	0.1	3.53	1.6	9	5	0.8	4.10	0.2	2.4	1.3	3.1	1.75	6.4	7.1	14.9	2.1	7.63

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ANALYSIS		IRRIGATION BAY 5						IRRIGATION BAY 6						IRRIGATION BAY 7					
		Units	0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE	0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE	0-10 cm	10-30 cm	30-60 cm	60-90 cm	AVE		
pH in Soil (1:5)	-	pH Unit	6.8	6.7	5.9	7.4	6.70	6.9	6.5	7.4	6.9	6.93	7	6.6	5.9	6.5	6.50		
Electrical Conductivity μS/cm	5	μS/cm	840	640	980	3590	1512.50	510	710	2320	1190	1182.50	580	460	1140	1970	1037.50		
Total Nitrogen (TKN + NOx)	0.1	mg/kg	623	243	458	476	450.00	890	658	294	572	603.50	1580	578	409	401	742.00		
Colwell P - mg/kg	-	mg/kg P	132	40	25	22	54.75	70	42	23	22	39.25	139	31	25	24	54.75		
Chromium reducible Sulfur	-	-	0.004	0.001	0.001	0.005	0.00	0.002	0.003	0.002	0.002	0.00	0.008	0.002	0.002	<0.001	0.00		
Emerson Agregate Test (EAT)	-	-	2	2	2	2	2.00	2	2	2	2	2.00	2	2	2	2	2.00		
Phosphorus -Bray 2	-	mg/kg	175	37	9.4	6.7	57.03	71	21	6.8	4.2	25.75	179	15	7.2	7.3	52.13		
Total Carbon (TOC)	0.1	%w/w	2.5	1.8	0.6	0.3	1.30	1.2	0.9	0.2	1.3	0.90	2.1	1	0.5	0.3	0.98		
Sodium Absorbtion Ratio (SAR)	0.2	-	15.86	8.7	7.95	108.94	35.36	4.94	5.63	37.68	22.74	17.75	4.63	3.21	3.17	47.12	14.53		
Sodium Disolved	1	mg/L	630	650	1140	2980	1350.00	510	800	1070	440	705.00	90	110	150	350	175.00		
Calcium Disolved	0.1	mg/L	57	94	340	49	135.00	230	330	45	8.6	153.40	13	20	36	2.8	17.95		
Magnesium Disolved	0.05	mg/L	38	200	740	4.7	245.68	350	730	9.8	12	275.45	9.5	42	81	0.84	33.34		
Chloride in Soil (1:5)	10	mg/kg	710	940	1542	4858	2012.50	660	1200	2797	1066	1430.75	270	700	970	2353	1073.25		
Cadnium (Cd)	0.5	mg/kg	0.5	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.5	0.50		
Phosphorus (P)	5	mg/kg	718	283	273	231	376.25	405	332	178	246	290.25	608	289	226	184	326.75		
Sulphur (S)	20	mg/kg	954	272	288	447	490.25	364	363	361	433	380.25	760	344	412	374	472.50		
Exchangeable Calcium	-	cmol+/kg	8.6	3.7	5.9	11	7.30	6.1	5.2	13	5.1	7.35	10	3.9	7.5	7.5	7.23		
Exchangeable Calcium	-	mg/kg	1727	732	1187	2210	1464.00	1214	1042	2582	1015	1463.25	2082	779	1505	1495	1465.25		
Exchangeable Magnesium	-	cmol+/kg	0.62	0.53	1.3	1.9	1.09	0.67	0.93	4.2	2.2	2.00	0.74	0.71	1.3	3.5	1.56		
Exchangeable Magnesium	-	mg/kg	75	64	157	229	131.25	81	113	507	266	241.75	90	86	153	426	188.75		
Exchangeeeable Sodium	-	cmol+/kg	11	7.3	15	20	13.33	6.4	11	17	17	12.85	5.3	10	12	18	11.33		
Exchangeable Sodium	-	mg/kg	2482	1690	3371	4704	3061.75	1474	2453	3962	3926	2953.75	1230	2353	2865	4215	2665.75		
Exchangeable Potassium	-	cmol+/kg	2.1	1.5	1.8	1.6	1.75	1.4	1.7	1.2	1.8	1.53	1.6	1.5	1.8	1.5	1.60		
Exchangeable Potassium	-	mg/kg	802	586	690	614	673.00	538	648	458	714	589.50	616	576	702	579	618.25		
Cation Exchange Capacity (CEC)	-	cmol+/kg	0.01	0.02	0.01	0.04	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.03	0.02		
Exchangeable Sodium Percentage (ESP)	-	%	1.2	1.6	1.2	3.4	1.85	1.2	2	1.5	1.3	1.50	1.5	2.2	1.9	2.9	2.13		
Exchangeable Aluminium	-	cmol+/kg	22	14	24	35	23.75	15	19	35	26	23.75	18	17	23	31	22.25		
Exchangeable Aluminium	-	mg/kg	49	54	62	58	55.75	44	57	49	65	53.75	30	61	53	60	51.00		
Nitrite (as N)	0.1	mg/kg	3.9	14	36	0.25	13.54	18	49	0.15	3.9	17.76	3.5	14	22	<0.10	13.17		
Nitrate (as N)	0.1	mg/kg	8.7	8.9	22	76	28.90	2.4	8.5	64	18	23.23	0.1	4.1	17	61	20.55		
Total Kjeldahl nitrogen	20	mg/kg	610	220	400	400	407.50	870	600	230	550	562.50	1580	560	370	340	712.50		
Moisture Content - Soil	0.1	%	8.1	7	11.8	15.6	10.63	7.4	12.9	15.7	15	12.75	8.2	5.9	14.8	16.1	11.25		
Ammonia	0.1	mg/kg	8.6	8.6	22.4	0.5	10.03	15.1	36	0.4	8.5	15.00	10.7	8.4	16.9	0.3	9.08		