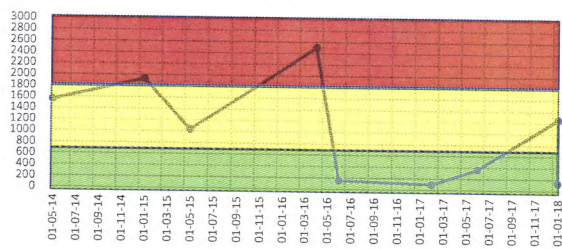
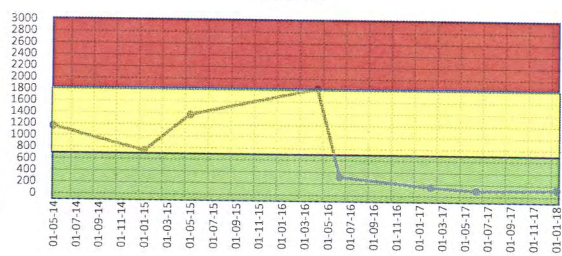




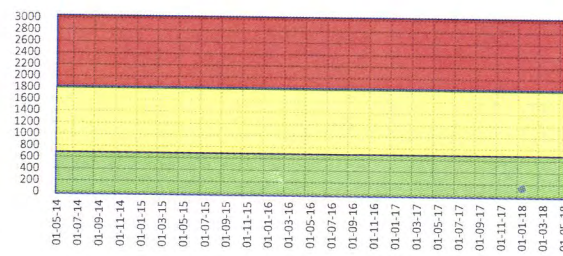
Chloride



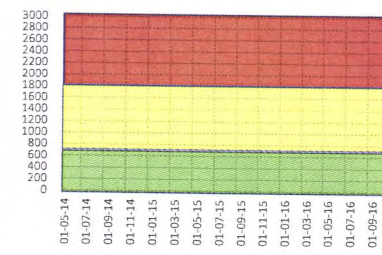
Chloride



Chloride



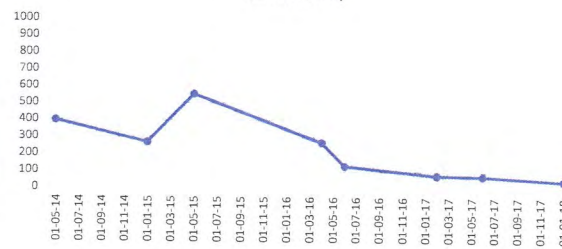
Chloride



Conductivity



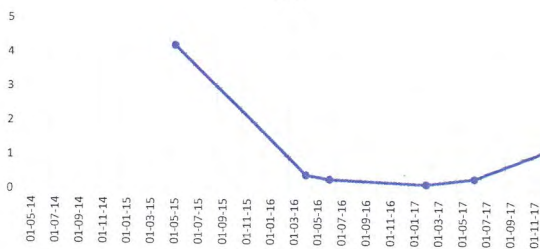
Conductivity



Conductivity



NH4



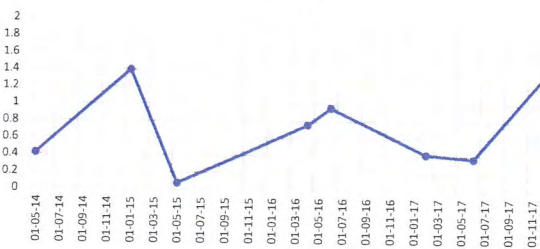
NH4



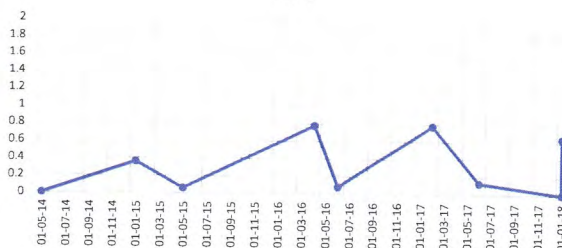
NH4



NNN



NNN



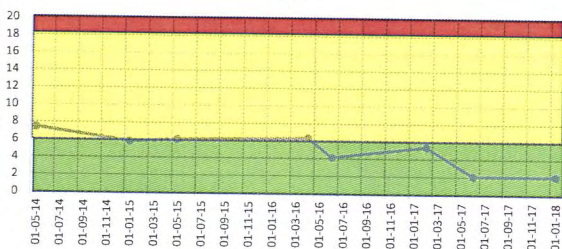
NNN



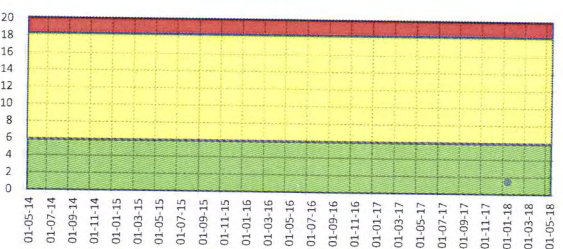
SAR



SAR



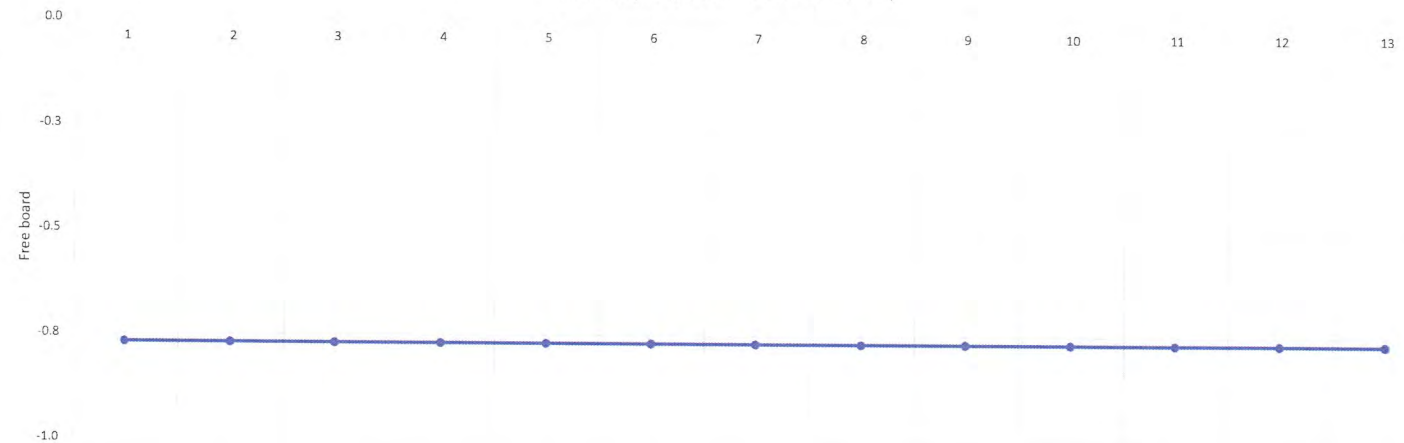
SAR





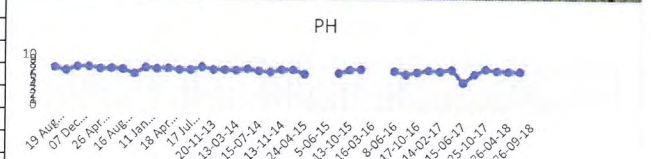
		Predicted	41.03	44.34	41.17	40.31	41.03	42.65	34.95	33.75	27.17	26.83	26.99	35.39	35.39	
Predicted	1	Predicted	164.11	177.36	164.68	161.25	164.11	98.63	139.81	134.99	108.68	107.31	107.98	141.55	141.55	1,812.02
			164.11	177.36	164.68	161.25	164.11	170.62	139.81	134.99	108.68	107.31	107.98	141.55	141.55	1,884.01
Rainfall falling onto the pads & ponds plus Truck wash & Liquid deliveries	Week 1		450.15	481.70	451.51	443.33	450.15	465.64	392.29	380.79	318.16	314.89	316.48	396.42	396.43	5,257.95
	Week 2		450.15	481.70	451.51	443.33	450.15	180.53	392.29	380.79	318.16	314.89	316.48	396.42	396.43	4,972.84
	Week 3		450.15	481.70	451.51	443.33	450.15	65.09	392.29	380.79	318.16	314.89	316.48	396.42	396.43	4,857.40
	Week 4		450.15	481.70	451.51	443.33	450.15	465.64	392.29	380.79	318.16	314.89	316.48	396.42	396.43	5,257.95
				1,800.61	1,926.78	1,806.03	1,773.31	1,800.61	1,176.89	1,569.16	1,523.17	1,272.64	1,259.58	1,265.93	1,585.69	1,585.74
Less evaporation = Amount to be irrigated	Week 1		(412.81)	(456.00)	(420.99)	(396.48)	(381.17)	(363.57)	(261.10)	(229.58)	(156.81)	(185.32)	(210.11)	(333.24)	(333.25)	(4,140.45)
	Week 2		(412.81)	(456.00)	(420.99)	(396.48)	(381.17)	(78.46)	(261.10)	(229.58)	(156.81)	(185.32)	(210.11)	(333.24)	(333.25)	(3,855.34)
	Week 3		(412.81)	(456.00)	(420.99)	(396.48)	(381.17)	36.98	(261.10)	(229.58)	(156.81)	(185.32)	(210.11)	(333.24)	(333.25)	(3,739.90)
	Week 4		(412.81)	(456.00)	(420.99)	(396.48)	(381.17)	(363.57)	(261.10)	(229.58)	(156.81)	(185.32)	(210.11)	(333.24)	(333.25)	(4,140.45)
				(1,651.25)	(1,824.01)	(1,683.97)	(1,585.92)	(1,524.70)	(768.63)	(1,044.41)	(918.31)	(627.23)	(741.30)	(840.44)	(1,332.96)	(1,333.01)
Planned irrigation	Month		1,860.00	1,860.00	1,833.00	1,745.00	1,823.00	1,806.00	1,453.00	1,413.00	861.00	1,060.00	919.00	1,557.00	1,557.00	19,747.00
	Week		465.00	465.00	458.25	436.25	455.75	451.50	363.25	353.25	215.25	265.00	229.75	389.25	389.25	4,936.75
Volume irrigated	Week 1	Entered	412.81	456.00	420.99	396.48	381.17	363.57	261.10	229.58	156.81	185.32	210.11	333.24	333.25	4,140.45
	Week 2	Entered	412.81	456.00	420.99	396.48	381.17	78.46	261.10	229.58	156.81	185.32	210.11	333.24	333.25	
	Week 3	Entered	412.81	456.00	420.99	396.48	381.17	(36.98)	261.10	229.58	156.81	185.32	210.11	333.24	333.25	
	Week 4	Entered	412.81	456.00	420.99	396.48	381.17	363.57	261.10	229.58	156.81	185.32	210.11	333.24	333.25	
				1,651.25	1,824.01	1,683.97	1,585.92	1,524.70	768.63	1,044.41	918.31	627.23	741.30	840.44	1,332.96	1,333.01
Pumping hours required per week	Week 1	Pumping	13.8	15.2	14.0	13.2	12.7	12.1	8.7	7.7	5.2	6.2	7.0	11.1	11.1	
	Week 2	Pumping	13.8	15.2	14.0	13.2	12.7	2.6	8.7	7.7	5.2	6.2	7.0	11.1	11.1	
	Week 3	Pumping	13.8	15.2	14.0	13.2	12.7	(1.2)	8.7	7.7	5.2	6.2	7.0	11.1	11.1	
	Week 4	Pumping	13.8	15.2	14.0	13.2	12.7	12.1	8.7	7.7	5.2	6.2	7.0	11.1	11.1	
			55.04	60.80	56.13	52.86	50.82	25.62	34.81	30.61	20.91	24.71	28.01	44.43	44.43	529.20
																(529.20)
Pond freeboard storage (M³) at 1st day of month			1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
Surplus liquid			-	-	-	-	-	-	-	-	-	-	-	-	-	
Pond vol at end of month			1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	
Pond vol per metre			1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	
Pond depth (at beginning of month)			-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	
Pond depth (at end of 4 week month)			-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	

Pond depth (at end of 4 week month)





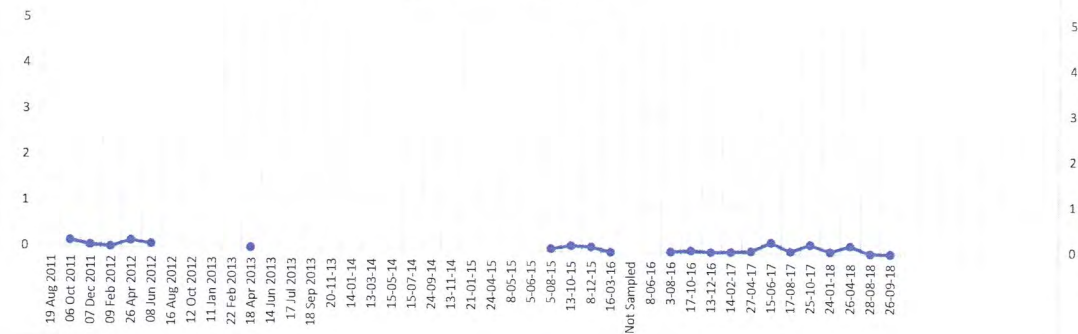
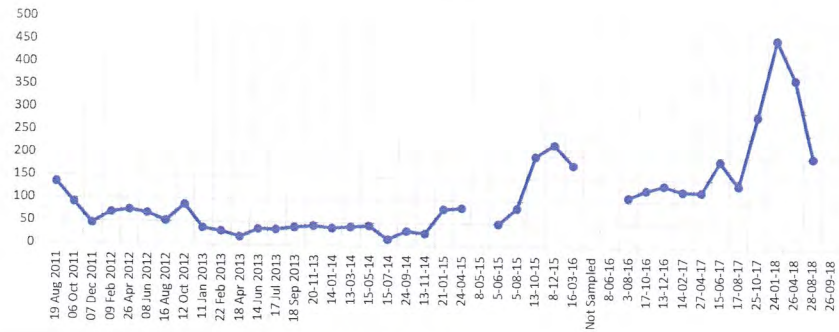
IND002044	22-Feb-2013		3940	1110		1400	30		0.63315		7.6	230	21.6
IND002044	18-Apr-2013		4170	1530		1980	17.6	0.02	0.34264		7.7	220	17.4
IND002044	14-Jun-2013		5630	1480		1830	35.2		0.18884		7.4	110	9.2
IND002044	17-Jul-2013	230	2200	781		666	34.9		0.1579		7.4	270	6.9
IND002044	18-Sep-2013	60	1470	521		550	39.9		1.29207		8	140	15.1
IND002044	20-11-13	33	2780	862		818	43.7		0.79115		7.5	240	22.6
IND002044	14-01-14	150	2820	898		753	38.6		1.06715		7.5	120	28.4
IND002044	13-03-14	280	6260	1840		1852	40.9		0.59433		7.4	65	22.7
IND002044	15-05-14	470	4910	2100		1168	44		0.49375		7.7		9.9
IND002044	15-07-14	140	2220	782		463	14.4		0.06469		7.3	140	9.9
IND002044	24-09-14		3590	1200		752	33		0.1398		7.1	180	15.3
IND002044	13-11-14		2550	913		834	27.5		0.46594		7.6		18.6
IND002044	21-01-15		7390	1890		1740	81.6		2.58865		7.6		27.2
IND002044	24-04-15		3450	1250		623	84.6		0.23159		6.8		18.7
IND002044	8-05-15												
IND002044	5-06-15		2070	762		378	50.2						
IND002044	5-08-15		1430	559		333	84.3	0.06	0.18597		7		9.6
IND002044	13-10-15		1780	771		1030	199	0.13	3.93125		7.7		17.6
IND002044	8-12-15		1690	905		1250	225	0.11	7.29033		7.8		21.3
IND002044	16-03-16		2880	990		1160	180	<0.05					25.8
IND002044	Not Sampled												
IND002044	8-06-16												
IND002044	3-08-16		692	322		214	110	0.02	0.21877		7.5		18.9
IND002044	17-10-16		764	356		200	126	0.05	1.02317		7.3		11.3
IND002044	13-12-16		546	303		184	137	0.02	3.46888		7.7		21
IND002044	14-02-17		610	329		232	124	0.03	2.02591		7.5		21.2
IND002044	27-04-17		454	238		162	123	0.05	4.22157		7.9		19
IND002044	15-06-17		813	464		312	191	0.24	0.00874		5.3		10.1
IND002044	17-08-17		398	262		119	138	0.05	0.39182		7		13
IND002044	25-10-17		1880	797		804	291	0.2	10.88808		8		17.1
IND002044	24-01-18		558	1920		3060	460	0.05	15.79717		7.7		25.2
IND002044	26-04-18		2110	880	2.4	823	373	0.18	5.45689		7.6		16.6
IND002044	28-08-18		890	492	17.5	210	200	0.013			7.6		13.8
	26-09-18							0.008		590			14.8



NH4 Ammoniacal nitrogen

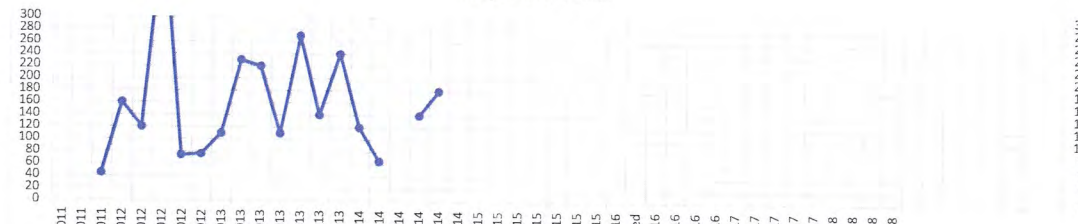
NNN

Nitrite/ Nitrate nitrogen



Total Nitrogen (TKN + NNN)

Suspended Solids





MAHs	Toluene	210	670	210		300	0.8					
	Ethylbenzene	110	350	110		<10,000	18					
	Xylenes	160	510	160		<10,000	13					
PAHs	Napthalene	69	230	7.2		3,400	0.8			<0.09		
	Non-carc. (Pyrene)	1600	NA	160		<10,000	2			<0.017		
	Benzo(a)pyrene eq	0.27	11	0.027		150	0.001			<0.017		
BTEX	Benzene									<0.04		
	Toluene									<0.04		
	Ethylbenzene									<0.04		
	m&p-Xylene									<0.07		
	o-Xylene									<0.04		
MAHs	n-Butylbenzene									<0.04		
	tert-Butylbenzene									<0.04		
	Isopropylbenzene (Cumene)									<0.04		
	4-Isopropyltoluene (p-Cymene)									<0.04		
	n-propylbenzene									<0.04		
	sec-Butylbenzene									<0.04		
	Styrene									<0.04		
	1,2,4-Trimethylbenzene									<0.04		
TPH	C7-C9				2700	8,800	2,700	<20,000	<S	<11	<10	<11
	C10-C14				560	1,900	58	<20,000	<S	1350	22	24
	C15-C36				<20,000	<20,000	4,000	<20,000	<S	9100	980	980

MfE Guidelines

RNZ Uruti Site minimum guidelines for release of final product (Compost and Soil Conditioner)

		Default detection Limit					Guidelines NZS 4454: 2005	BioGro Std 2009 Appendix A			
Heavy Metals	Total Arsenic	mg/kg	0.2				<20	<20			10.6
	Total Boron	mg/kg	6				<200	-	10	15	
	Total Cadmium	mg/kg	0.02				<3	<1			0.04
	Total Chromium	mg/kg	0.2				<600	<150			25
	Total Copper	mg/kg	4				<300	<60	125	54	28
	Total Lead	mg/kg	0.1				<250	<250			11.5
	Total Mercury	mg/kg	0.1				<2	<1			<0.12
	Total Nickel	mg/kg	0.2				<60	<60			16.8
	Total Zinc	mg/kg	4				<600	<300	174	146	59

Total Calcium	mg/kg	100						-	49,900	34,800	
Total Iron	mg/kg	40						-	18,600	19,000	
Total Manganese	mg/kg	3						-	290	340	
Total Magnesium	mg/kg	40						-	3,790	3,820	
Total Phosphours	mg/kg	65						-	1,896	1,483	
Total Phosphours	%						>0.1 (if a contribution to plant nutrient is claimed)	-	0.19	0.15	
Total Potassium	mg/kg	70					-	-	2,380	1,955	1,337
Total Sodium	mg/kg	20					-	-	1,019	537	793
Total Sulphur	mg/kg	45					-	-	3,030	3,020	

Organic Matter	%	0.2					>25	-	24.4	19.3	
Total Carbon	%	0.2					-	-	14.2	11.2	
Total Nitrogen	%	0.04%					>0.6 (if a contribution to plant nutrition is claimed)	-	0.59	0.59	0.04