



Analytical Report

Client: Smith Nursery
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Date Sampled: 26 Apr 2013
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Date Completed: 05 May 2013

Sample Description: Well 5 water
Sample Range: Water

EMW-400 : Water Irrigation Suitability

Components		Results		Target Ranges	Acceptable
		mg/L	meq	(mg/L)	(mg/L)
MAJOR CATIONS					
Potassium	K	3.70	0.09		<100
Calcium	Ca	49.57	2.48	25 - 75	<150
Magnesium	Mg	23.22	1.94	10 - 30	<50
Sodium	Na	4.74	0.21	0 - 20	<50
MAJOR ANIONS					
Phosphate	PO4	0.63	0.02		<90
Sulfate	SO4	9.94	0.21	0 - 120	<240
Chloride	Cl	11.00	0.31	0 - 20	<140
Bicarbonates	HCO3	226.35	3.71		
Carbonates	CO3	0.00	ND		
Ammonium Nitrogen	NH4-N	ND			<10
Nitrate Nitrogen	NO3-N	3.20			<75
pH	pH	7.43		5.50 - 7	4-10
Soluble Salts	EC	0.42		0.20 - 0.80	0-1.5
Total Alkalinity	CaCO3	185.54		40 - 160	0-400
Iron	Fe	0.01		< 1	<4
Manganese	Mn	0.01		< 1	<2
Boron	B	0.04		< 0.10	<0.5
Copper	Cu	0.02		< 0.10	<0.2
Zinc	Zn	0.08		< 0.50	<1
Molybdenum	Mo	0.01		< 0.10	<0.2
Aluminum	Al	0.10			

