

Water Analysis Report

Irrigation Water Analysis



Customer:		Water Use:	Irrigation (FAO)	Date Received:	
Address:				Analysis Date:	
Farm Name:		Comments:		Report Date:	
Contact Person:		Condition:	Clear without Odour	Sample ID:	

Water Source: B/Hole Water

To maintain the correct history ensure that the next sample sent from this Water Source is labelled: B/Hole Water

History (Last 3 analysis)

Parameter	Unit	Result	Guide Low	Guide High	Low	Optimum	High	Symbol	Current				Method
pH		7.45	6.50	8.40				pH	7.45				Potentiometric
*Electrical Conductivity	mS cm ⁻¹	0.41		< 1.50				EC	0.41				Potentiometric
Ammonium	ppm	0.026		< 5.00				NH4	0.026				Colorimetric
Calcium	ppm	26.0		< 60.0				Ca	26.0				Spectroscopy
Magnesium	ppm	11.3		< 25.0				Mg	11.3				Spectroscopy
*Potassium	ppm	11.5		< 20.0				K	11.5				Spectroscopy
Phosphorus	ppm	0.054		< 0.40				P	0.054				Spectroscopy
Nitrate N	ppm	1.15		< 15.0				NO3N	1.15				Colorimetric
*Nitrates	ppm	5.09		< 66.0				NO3	5.09				Colorimetric
Sulphur	ppm	0.90		< 27.0				S	0.90				Spectroscopy
*Sulphate	ppm	2.70		< 81.0				SO4	2.70				Spectroscopy
Iron	ppm	0.095		< 5.00				Fe	0.095				Spectroscopy
Manganese	ppm	< 0.01		< 0.20				Mn	< 0.01				Spectroscopy
Zinc	ppm	1.07		< 2.00				Zn	1.07				Spectroscopy
Boron	ppm	0.02		< 0.60				B	0.02				Spectroscopy
Copper	ppm	< 0.01		< 0.20				Cu	< 0.01				Spectroscopy
Molybdenum	ppm	< 0.01		< 0.01				Mo	< 0.01				Spectroscopy
*Sodium	ppm	45.4		< 60.0				Na	45.4				Spectroscopy
Chlorides	ppm	19.4		< 140				Cl	19.4				Colorimetric
*Bicarbonate	ppm	234		< 91.0				HCO3	234				Colorimetric
Silicon	ppm	39.5		< 50.0				Si	39.5				Spectroscopy
*Silica	ppm	84.5		< 107				SiO2	84.5				Spectroscopy
*SAR		1.87		< 10.0				SAR	1.87				Calculated
*Hardness	ppm	111		< 60.0				CaCO3	111				Calculated
*Turbidity	NTU	0.17		< 10.0				TUB	0.17				Turbidimetry

COMMENTS

High levels of bicarbonates will increase soil pH through a liming effect, especially in association with sodium. When used for flower or hydroponics crops, high quantities of acid will be required to neutralize.

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Gakobo Jo Lab Manager		Cordingley Jeremy Managing Director		Approval Date: 09/08/2017
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