

Submitted For

SAMPLE MARKED

Submitted By

LABORATORY NUMBER

DATE RECEIVED

DATE REPORTED

ANALYSIS OF CHEMICAL PROPERTIES		YOUR RESULTS			RATING OF YOUR RESULTS		
		UNIT OF MEASURE	RESULT	LBS/ ACRE FOOT	SATISFACTORY	POSSIBLE PROBLEM	PROBABLE PROBLEM
WATER CHARACTERISTICS	pH	--					
	Hardness	--					
	Bicarbonate	ppm					
	Carbonate	ppm					
IMPACT ON GENERAL PLANT GROWTH	Electrical Conductivity (ECw)	mmhos/cm					
	Total Soluble Salts	ppm					
IMPACT FROM ROOT CONTACT	Sodium	meq/l					
	Chloride	ppm					
	Boron	ppm					
IMPACT FROM FOLIAGE CONTACT	Sodium	ppm					
	Chloride	ppm					
IMPACT ON SOIL STRUCTURE	Sodium Absorption Ratio Adj	meq/l					
	Electrical Conductivity (ECw)	mmhos/cm					
	Total Soluble Salts	ppm					
To maintain good soil structure in arid regions, irrigation water should have the capacity to replace the soluble salts being dissolved. If the salts being dissolved are not replaced, a decrease in permeability may occur.					No anticipated difficulty with most crops.	Some difficulty for sensitive & moderately sensitive crops	Significant difficulty for most crops

ANALYSIS OF NUTRIENTS			
PLANT NUTRIENTS AS NORMALLY REPORTED IN WATER ANALYSIS	RESULTS AS PPM	NUTRIENTS CONVERTED TO BASIC FERTILIZER MATERIAL FORMS	RESULTS LB/ACRE FOOT
NITRATE (NO ₃)		NITROGEN (N)	
PHOSPHATE (PO ₄)		PHOSPHATE (P ₂ O ₅)	
POTASSIUM (K)		POTASH (K ₂ O)	
MAGNESIUM (Mg)		MAGNESIUM OXIDE (MgO)	
CALCIUM (Ca)		CALCIUM (Ca)	
SULFATE (SO ₄)		SULFUR (S)	
MANGANESE (Mn)		MANGANESE (Mn)	
IRON (Fe)		IRON (Fe)	
BORON (B)		BORON (B)	