STANWORTH
CROP CONSULTANTS

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Water Analysis Report

Grower:	A SAMPLE GROWER
Sample ID:	LOWER COLORADO RIVER
Submitted By:	SCC
Send Report To:	A SAMPLE GROWER
Date Reported:	2/2/2002
Lab Number:	W01272002
Crop:	ALFALFA

ION TESTED	PARTS PER MILLION	MILLI-EQUIVALENTS PER LITER	POUNDS APPLIED PER ACRE-FT
Calcium	83.00	4.15	225.76
Magnesium	31.00	2.55	84.32
Sodium	139.00	6.04	378.08
Potassium	5.00	0.13	13.60
Carbonate	0.01	0.00	0.03
Bicarbonate	181.00	2.97	492.32
Chloride	131.00	3.69	356.32
Sulfate-S	91.00	5.68	247.52
Nitrate-N	0.01	0.00	0.03
Phosphate-P	0.33	0.01	0.90
Boron	0.21	0.02	0.57

Constituents and Calculated Variables

Electrical conductivity, dS/m:	1.20
pH, units:	8.20
Cation/Anion ratio:	1.05
Sodium absorption ratio (SAR):	3.29
Adjusted RNa:	3.78
Total soluble salts, ppm:	661.56
Salt applied per acre-foot, lbs:	1799.44
Sulfuric acid required (gal 95% acid/ac-ft to neutralize 90% carbonate + bicarbonate):	24.20
Calcium + Magnesium hardness (meq/l):	335.00

COMMENTS

THIS WATER IS SUITABLE FOR GOOD ALFALFA PRODUCTION. APPLY AN ADDITIONAL 10% OVER CROP CONSUMPTIVE USE TO KEEP SALTS MOVING BELOW THE ROOT ZONE. SEE BUFFER CURVE FOR CALCULATION OF AMOUNTS OF CONCENTRATED SULFURIC ACID TO ACHIEVE DESIRED pH LEVELS. AQ