



## Water Analysis Report

Motzz Laboratory

Lab Number: 904578-07  
 Sample ID: #3 Lake  
 Description:

Project: GC Water  
 Sampler:  
 Date Received: 12/21/2011  
 Date Reported: 1/16/2012  
 PO Number: GC Water  
 Crop: Rye grass (perennial)  
 Growth Stage: Rye

### Water Complete Irrigation

Test	ppm	meq/l	lb/ac-ft water
<b>Cations</b>			
Sodium	156	6.80	430
Calcium	61	3.07	170
Magnesium	11	0.90	29
Potassium	18	0.47	50
<b>Anions</b>			
Carbonate	5	0.16	13
Bicarbonate	149	2.44	400
Chloride	218	6.15	590
Sulfate-S	26	1.60	70
Nitrate-N	3.4	0.23	9.2
Phosphate	3.0	0.11	8.3
Boron	0.26	0.00	0.71
<b>Total Salts</b>	<b>660</b>	<b>21.93</b>	<b>1,800</b>

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pH	8.2	SU
ECw	1.2	dS/m

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Cation/Anion Ratio	1.05	
SAR	4.82	
Adj RNa	5.2	
Hardness (Calculated)	198	mg equiv. CaCO3/L
Leaching Requirement	4%	(% additional irrigation for leaching salts)
Sulfuric Acid Requirement	21.2	(~gallons conc. Sulfuric Acid / ac-ft to lower pH to 5.5)
USDA Classification	C3-S1	

*This water should be used only on soils with no restricting layers so the leaching of salts can be accomplished. Plants with low salt tolerance such as citrus should be avoided in the higher ranges of C3.*