





SOIL ANALYSIS


Send To: Brenda J Sharp 1712 6400 Rd Montrose, CO 81403	Project : Soil Thresholds North Of Reno	Report No : 18-323-0105 Cust No : 10148 Date Printed : 11/26/2018 Date Received : 11/19/2018 Page : 1 of 2 Lab Number : 27022
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Sample Id : **Ind. Ricegrass Young Plants**












SATURATION EXTRACT - PLANT SUITABILITY

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Salinity (ECe)	2.2 dS/m					
Sodium Adsorption Ratio (SAR) *	1.18					
Boron (B)	0.59 ppm					
Sodium (Na)	4.4 meq/L					
Chloride (Cl)						
Carbonate (CO3)						
Bicarbonate (HCO3)						
Fluoride (F)						

* Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

Test	Result	Strongly Acidic	Moderately Acidic	Slightly Acidic	Neutral	Slightly Alkaline	Moderately Alkaline	Strongly Alkaline	Qualitative Lime
pH	7.5 s.u.								High

EXTRACTABLE NUTRIENTS

Test	Result	Sufficiency Factor	SOIL TEST RATINGS					NO3-N
			Very Low	Low	Medium	Optimum	Very High	
Available-N	14 ppm	0.4						4 ppm
Phosphorus (P) - Olsen	24 ppm	1.3						NH4-N
Potassium (K)	398 ppm	3.3						10 ppm
Potassium - sat. ext.	2.0 meq/L							Total Exchangeable Cations(TEC)
Calcium (Ca)	1663 ppm	1.1						93 meq/kg
Calcium - sat. ext.	24.9 meq/L							
Magnesium (Mg)	101 ppm	0.5						
Magnesium - sat. ext.	3.1 meq/L							
Copper (Cu)	0.4 ppm	0.3						
Zinc (Zn)	1 ppm	0.3						
Manganese (Mn)	3 ppm	0.3						
Iron (Fe)	4 ppm	0.1						
Boron (B) - sat. ext.	0.59 ppm	2.0						
Sulfate - sat. ext.	24.7 meq/L	8.2						
Exch Aluminum								

Cu, Zn, Mn and Fe were analyzed by DTPA extract.

PARTICLE SIZE ANALYSIS





Half Sat	Organic Matter	Weight Percent of Sample Passing 2mm Screen							USDA Soil Classification
		Gravel		Sand			Silt	Clay	
		Coarse 5-12	Fine 2-5	Very Coarse 1-2	Coarse 0.5-1	Med. to Very Fine 0.05-0.5	.002-.05	0-.002	
16 %	2.2 %								

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Sample Id : **Ind. Ricegrass Bare Between Old Plants**












SATURATION EXTRACT - PLANT SUITABILITY

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Salinity (ECe)	2.2 dS/m					
Sodium Adsorption Ratio (SAR) *	2.85					
Boron (B)	0.30 ppm					
Sodium (Na)	8.6 meq/L					
Chloride (Cl)						
Carbonate (CO3)						
Bicarbonate (HCO3)						
Fluoride (F)						

* Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

Test	Result	Strongly Acidic	Moderately Acidic	Slightly Acidic	Neutral	Slightly Alkaline	Moderately Alkaline	Strongly Alkaline	Qualitative Lime
pH	7.6 s.u.								High

EXTRACTABLE NUTRIENTS

Test	Result	Sufficiency Factor	SOIL TEST RATINGS					NO3-N
			Very Low	Low	Medium	Optimum	Very High	
Available-N	17 ppm	0.7						5 ppm
Phosphorus (P) - Olsen	14 ppm	0.9						NH4-N
Potassium (K)	391 ppm	4.1						12 ppm
Potassium - sat. ext.	2.0 meq/L							
Calcium (Ca)	1499 ppm	1.2						Total Exchangeable Cations(TEC)
Calcium - sat. ext.	15.9 meq/L							
Magnesium (Mg)	84 ppm	0.5						90 meq/kg
Magnesium - sat. ext.	2.3 meq/L							
Copper (Cu)	0.4 ppm	0.4						
Zinc (Zn)	1 ppm	0.2						
Manganese (Mn)	2 ppm	0.2						
Iron (Fe)	2 ppm	0						
Boron (B) - sat. ext.	0.30 ppm	1.0						
Sulfate - sat. ext.	7.7 meq/L	2.6						
Exch Aluminum								

Cu, Zn, Mn and Fe were analyzed by DTPA extract.

PARTICLE SIZE ANALYSIS

Half Sat	Organic Matter	Weight Percent of Sample Passing 2mm Screen							USDA Soil Classification
		Gravel		Sand			Silt	Clay	
		Coarse 5-12	Fine 2-5	Very Coarse 1-2	Coarse 0.5-1	Med. to Very Fine 0.05-0.5	.002-.05	0-.002	
13 %	2 %								