

# WESTERN LABORATORIES, INC.

211 Highway 95 •  
800-658-3858 •

Parma, ID 83660

Dealer:  
Reported:  
Grower:  
Field ID

<b>Lab #:</b>
<b>7511</b>

## PROFESSIONAL TURF SOIL REPORT

Fairway ID: #9

Greens ID:

pH		Soluble Salts	Lime	Organic Matter
WATER	SMP pH	ECe	Percent	Percent
4.9	5.9	0.83	0	1.8
Strongly Acidic	Moderately Acidic	Good	Very Low	Medium

Nitrates		Phosphorus		Potassium	Calcium
ppm	BICARB	BRAY	ppm	ppm	ppm
6	20		124	758	
Low	Medium		Low	Very Low	

Aluminum	Magnesium	Sodium	Chlorides	Zinc
ppm	ppm	ppm	ppm	ppm
0.1	85	57		0.9
Ok	Very Low	Low		Adequate

Manganese	Iron	Copper	Sulfate	Boron
ppm	ppm	ppm	ppm	ppm
9	69	0.7	10	0.4
High	High	Adequate	Adequate	Low

Texture	Sand
Cation Exchange Capacity (meq)	3 Very Low

Water Penetration Problems	None
Nutrient Holding Capacity	Very Low

Sodium Absorption Ratio	3	Low
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% Base Saturation	169	Very High
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BASES	IDEAL	YOURS
Calcium (Ca)	65 - 80%	126
Magnesium (Mg)	10 - 20%	24
Potassium (K)	2 - 6%	11
Sodium (Na)	< 5%	8
Aluminum (Al)	< 6 ppm	.1
Hydrogen (H)	< 15%	

IDEAL MICRONUTRIENT LEVEL	YOURS
Zinc (Zn)	1.5 - 3.0 .9
Manganese (Mn) - pH >7	5 - 20
Manganese (Mn) - pH <7	10- 55 9
Copper (Cu)	1.0 - 2.5 .7
Iron (Fe) - pH >7	5 - 35
Iron (Fe) - pH <7	15 - 135 69
Boron (B)	.8 - 1.5 .4

Crop	Nutrients in POUNDS per 1,000 Square Feet				
	Greens	Fairway	Deciduous Trees	Evergreen Trees	Shrubs & Flowers
Nitrogen		4.2	3.1	2.6	2.8
Phosphate		1.8	2.8	2.8	1.8
Potash		5.2	5.2	4	3.5
Sulfates		0.7	0.5	0.7	0.5
Ele-Sulfur					
Recla-Iron		1	2	2	2
Gypsum					
Lime					

Crop	Nutrients in OUNCES per 1,000 Square Feet				
	Greens	Fairway	Deciduous Trees	Evergreen Trees	Shrubs & Flowers
Magnesium					
Zinc		2.2	3.3	2.6	1.9
Plant Food Iron					
Manganese		0.4	1.1	0.4	
Copper		0.5	0.8	0.5	0.5
Boron		0.2	0.6	0.2	0.2

RATIO	IDEAL	YOURS	EVALUATION	RECOMMENDED ACTION
N:S	10:1	1:1	OK	
Ca:Mg	10:1	9:1	Ok	
Ca:K pH >7	15:1	:1		
Ca:K pH <7	10:1	6:1	OK	
Ca:P pH >7	150:1	:1		
Ca:P pH <7	40:1	38:1	OK	
P:Zn	15:1	22:1	High	Add Zinc
P:Mn	4:1	2:1	OK	
P:Cu	25:1	29:1	High	Add Copper
Zn:Cu	2:1	1:1	OK	
Mn:Zn	3:1	10:1	High	Add Zinc
Mn:Cu	5:1	13:1	High	Add Copper
K:B	200:1	310:1	High	Add Boron
Mg:K	2:1	1:1	Low	Add Magnesium

Always practice the laws of Agronomy

John P. Taberna. Soil Scientist