







# SOIL TEST RESULTS

\* All soil tests were conducted by an independent, third-party laboratory.

Project:	5629-0019-1
* Project Name:	HSC 3-28
Project Number:	
File #:	
Location:	Mesa, Colorado United States
Notes:	

# SOIL SAMPLE LOCATIONS AND DESCRIPTIONS

Sample (#)	Location	Description
1	N/A	N/A

## RECOMMENDED PRESCRIPTIVE AGRONOMIC FORMULATIONS BASED ON SOIL ANALYSIS

	Soil Neutralizers						Growth Stimulants				Biotic Soil Media	
	Aqua-pHix™ 1		NeutraLime™ 2		Agricultural Lime		JumpStart™		BioPrime™		ProGanics™ 4	
Sample	gal/ac	L/ha	lb/ac	kg/ha	lb/ac	kg/ha	gal/ac	L/ha	lb/ac	kg/ha	lb/ac	kg/ha
1	10	94	0	0	0	0	3.75	35	120	135	4,500	5,040

**Notes:** 1. Aqua-pHix is also available in a granular form, please contact [Tech@profileproducts.com](mailto:Tech@profileproducts.com) with questions. 2.

NeutraLime is also available in a liquid form, please contact [Tech@profileproducts.com](mailto:Tech@profileproducts.com) with questions. 3. Based on 100%

Calcium Carbonate Equivalent tilled in to a depth of 6in. 4. ProGanics DUAL® or HydroStraw® All In One BFM may be a

suitable alternative to ProGanics BSM, please contact [tech@profileproducts.com](mailto:tech@profileproducts.com) to receive recommendations. Customizable

specifications for these products and others can be found at [erosioncontrolspecs.com](http://erosioncontrolspecs.com).

## FERTILIZER RECOMMENDATIONS

	Crop Yield or Turf / Ornamental Code	Gypsum		Sulfur		N		P2O5		K2O	
Sample		lb/ac	kg/ha	lb/ac	kg/ha	lb/ac	kg/ha	lb/ac	kg/ha	lb/ac	kg/ha
1	TURF	566	635	0	0	122	136.7	91.5	102.5	95.8	107.4

SOIL ANALYSIS RESULTS

(Optimal Plant Growth Conditions)

Sample	Nitrate N ppm	Phosphorus ppm	Potassium ppm	Magnesium ppm	Calcium ppm	Sulfur ppm	Zinc ppm	Manganese ppm	Copper ppm	Iron ppm	Boron ppm
1	4.8	7	116	448	2929	6	0.33	1.3	0.8	7.8	1
	(10 - 30)	(20-40)	(150 - 250)	(60 - 300)	(≥ 400)	(5 - 20)	(1.3 - 3.0)	(4.1 - 12.0)	(1.0 - 2.0)	(7.1 - 20.0)	(< 2.0)

Sample	% Organic Matter	Soil Respiration mg CO2/kg soil/week5	Sand %	Silt %	Clay %	Texture USDA
1	0.8	Not Tested	37.6	38.4	24	Loam
	(> 5%)	(> 1,000)	(20 - 60%)	Silt & Clay (40 - 80%)		

Notes: 5. Soil Respiration ppm = mg/kg

							Bulk Density	
Sample	Soil pH6	Buffer Index	TDS7 ppm	Soluble Salts mmhos/cm	Sodium ppm	SAR8	g/cm3	oz/in3
1	9.1	7.5	396.8	0.62	301	2.09	1.32	0.76
	(6.3 - 7.3)		(<256)	(< 0.75)		(<2)		

Notes: 6. Contact [Tech@profileproducts.com](mailto:Tech@profileproducts.com) if pH is < 4.2 or > 9.2 for specific site recommendation. 7. Total Dissolved Salts. 8. Sodium Adsorption Ratio.

	Cation Exchange Capacity: Actual % of Total CEC						Saturated Paste Extract Results				
Sample	% K	% Mg	% Ca	% Na	% H	Total CEC	Bicarbonate ppm	Chloride ppm	Silicon ppm	SO4 ppm	Zinc ppm
1	1.5	18.7	73.3	6.5	0	20	454.6	5.8	238.1	14.4	0.1

	Cation Exchange Capacity: Actual % of Total CEC						Saturated Paste Extract Results				
Sample	% K	% Mg	% Ca	% Na	% H	Total CEC	Bicarbonate ppm	Chloride ppm	Silicon ppm	SO4 ppm	Zinc ppm
	(3 - 7%)	(15 - 20%)	(65 - 75%)	(0 - 4%)	(0 - 5%)	(10 - 30)					

For full overview of all soil testing methods and their interpretation please click on this link for the [Profile Technical Document - Soil Testing and Interpretation](#)

## GENERAL FERTILIZATION GUIDANCE

- Fertilizer recommendations are based on annual requirements for turfgrass species. Application rates should be adjusted to account for annual application time, seasonality and vegetation that is being planted.
- Contact your seed supplier for specific recommendations that are applicable to your seed blend, area, and climate.
- Values shown above for Macro and Micro Nutrients should be reviewed by a local agronomist prior to making any general fertilization recommendations.

**PINYON-JUNIPER WOODLAND**  
**LOT: G-240973**

Mixture/Variety :	Pure Seed %	Total Viable%	Origin:
WESTERN WHEATGRASS, ROSANA	21.63%	88.00%	WA
INDIAN RICEGRASS, NEZPAR	15.63%	95.00%	WY
4 WING SALTBUSH, VNS	14.93%	92.00%	UT
THICKSPIKE WHEATGRASS, CRITANA	14.06%	94.00%	WY
WINTER FAT, VNS	10.42%	56.00%	NV
SLENDER WHEATGRASS, SAN LUIS	8.81%	96.00%	WY
SULPHUR FLOWER, VNS	3.06%	53.00%	ID
LEWIS BLUE FLAX, APPAR	2.22%	97.00%	WY
SANDBERG BLUEGRASS, VNS	1.79%	91.00%	MT
SCARLET GLOBEMALLOW, VNS	0.86%	82.00%	UT
PRAIRIE CONEFLOWER (MEXICAN HAT), VNS	0.69%	92.00%	OR
SAND DROPSEED, VNS	0.61%	88.00%	OK
WESTERN YARROW, VNS	0.16%	86.00%	UT

\* VNS = Variety Not Stated

Crop Seed: 0.03% Inert Matter: 5.03% Weed Seed: 0.07% Net Wt: 37.9#

Noxious Weeds NONE FOUND

Tested: 04/2024

**CUSTOM MIX FOR TRITON/FERGUSSON**  
**THIS 37.9# BULK BAG SHOULD COVER APPROX.**  
**1.0 ACRE**

Buffalo Brand Seed

Greeley, CO 80631

(970) 356-4710

**RICHLAWN  
CUSTOM BLEND**

**3-6-3**

**with Mycorrhizae**

**0-11-11**

Manufactured by  
**Richlawn Turf Food, LLC**  
15121 WCR 32, Platteville, CO 80651

Exclusively for Triton Environmental

**GUARANTEED ANALYSIS**

Total Nitrogen (N)	3.00%
2.50% Water Insoluble Organic Nitrogen*	
0.10% Water Soluble Organic Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	6.00%
Soluble Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.00%
Calcium (Ca)	11.00%

Plant Nutrient Sources: Dried Poultry Manure, Bone Meal and Sulfate of Potash.

\*2.99% Water Soluble Nitrogen from Dried Poultry Manure and Bone Meal.

Non-Plant Food Ingredients per 50 lbs.  
Endosymbiont

7500 Propagules Glomus mosseae	15%
7500 Propagules Glomus etunicatum	
7500 Propagules Glomus intradices	
7500 Propagules Glomus aggregatum	

30,000 Propagules

**Net Weight 50 lbs. (22.68 Kg.)**

**ProPlus®**  
Prescriptive Agronomic Formulations

# AquaGel™

- HOLDS UP TO 400 TIMES ITS OWN WEIGHT IN WATER
- IDEAL FOR TRANSPLANTS, LAYING SOD, ROOT DIP AND AS A SOIL AMENDING MEDIUM

## APPLICATION RATE

2.5 Measuring Cups = 1 Lb.

☐ **SERIES 500 A**  
Soil Amending

Heavy Clay 1.5 Lbs. Per Cubic Yard  
Combination 2.0 Lbs. Per Cubic Yard  
Sandy Soil 2.5 Lbs. Per Cubic Yard

☐ **SERIES 500 C**

Hydro Seeding & Bare Root Planting  
Transplants 1 Lb. Per 40 Gal. H<sub>2</sub>O Dip  
Hydro Seed 10 Lbs. Per Acre

☐ **SERIES 500 B**  
Laying Sod

Laying Sod 50 Lbs. Per Acre

☒ **SERIES 500 D**

Hydro Seeding & Transplants  
Seed Coat 1 Lb. Per 100 Lbs. Of Seed  
Transplants 1 Lb. Per 40 Gal. H<sub>2</sub>O  
Hydro Seed 10 Lbs. Per Acre

**CAUTION:** AquaGel™ is very slippery when fully hydrated. Rinse all areas that may have been unintentionally covered with water until clean. Exercise care when working on or around machinery.

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[www.profileproducts.com](http://www.profileproducts.com)

**NET WEIGHT 50 POUNDS (22.6 kg)**