2-106

Colorado State University Extension

Soil Test Report

PAP Accredited NAPT 2011

Colorado State University
Soil, Water and Plant Testing Laboratory
Room A319, NESB
Phone: 970-491-5061 / Fax: 970-491-293

Lab ID Number:	H1643a-turf	Report Date:	4/28/2020
Sample ID:	topsoil		
Company Name:	[redacted]	Invoice #:	
Contact Name:	[redacted]	Street Address:	[redacted]
Phone:	[redacted] Ext:	City:	[redacted]
Email Address:	[redacted]	County:	Jefferson
Client Type:	[redacted]	State:	CO
Current Plant Type:	Bare Ground	Zip:	80454
Proposed Plant Type:	Turfgrass	Date Rcvd:	4/6/2020
Current Irrigation:	-	Date Tested:	4/7/2020
Current Amendments:	-	Test Performed By:	JS TD

pH: 7.8

pH is High. pH 6 to 7.2 is the preferred pH range for growth of most plants, but most plants tolerate this higher pH with little problem.

Electrical Conductivity or Salts: 1.1 mmhos/cm

E.C. is Low. When E.C. less than 2.0, salinity is not a problem for plant growth.

Lime: High

High: Lime is 2%-5% in the soil. Plants can still grow quite well in soil with this lime content.

Texture Estimate: Sandy Loam

This soil will drain at a medium to high rate which may cause it to dry out rapidly. Watering times may have to be increased to compensate for the rapid drainage.

Sodium Absorption Ratio:

This value not requested.

Organic Material: 11.0 % Plant Type: Turfgrass

Organic Matter is High; No additional organic matter is needed.

Nitrate: 27.4 ppm

For this nitrogen level, add nitrogen in 2-3 applications at a rate of 0.5-1 lb. N per 1000 sq.ft. in May to mid June, mid August to mid September and early October to early November. For each 1 lb of N needed, apply 2 lb urea, or 5 lb ammonium sulfate, or 3 3/4 lb (27-3-4) lawn fertilizer, or 8 lb bloodmeal, or 11 lb corn gluten meal, or 50 lb alfalfa meal/pellets, per 1000 sq.ft. For N rates per 100 sq.ft. divide the N applications by 10.

Phosphorus: 89.1 ppm

Phosphorus is High; No additional Phosphorus is needed.

Potassium: 1624.0 ppm

Potassium is High; No additional K20 is needed.

Zinc: 7.0 ppm

Zinc is Adequate; No additional Zn is needed.

Iron: 55.9 ppm

Iron is Adequate; No additional Iron (Fe) is needed

Manganese: 9.4 ppm

Manganese is Adequate; No additional Mn is needed.

Copper: 4.0 ppm

Copper is Adequate; No additional Cu is needed.

Boron: 0.71 ppm

Boron is High. No additional boron is needed.

Gypsum:

Gypsum is NOT Needed.

Additional Comments:

More information on turfgrass can be found at www.ext.colostate.edu. Additional information on lawn seeding and lawn care (mowing, watering, fertilizing, and thatch management) can be found at http://csuturf.colostate.edu.

James R Self, Ph.D, Director, Soil, Water and Plant Testing Lab