

Soil Test Report



Lab ID Number: H1554a-turf
 Sample ID: place 5
 Company Name: Animas River Top Soil
 Contact Name: Waterfall Ranch
 Phone: (970) 259-5585 Ext:
 Email Address: patio@animasrivertopsoil.com
 Client Type: Dealer/Distributor
 Current Plant Type: Native Vegetation
 Proposed Plant Type: New Turfgrass
 Current Irrigation: yes
 Current Amendments: -

Report Date: 4/14/2020
 Invoice #:
 Street Address: 4166 CR 203
 City: Durango
 County: La Plata
 State: CO
 Zip: 81301
 Date Rcvd: 3/23/2020
 Date Tested: 3/24/2020
 Test Performed By: TCP 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: 0.5 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: Clay Loam

This soil may drain at a low to very low rate. Watering schedules may have to be increased to allow for better water infiltration into the soil profile.

Sodium Absorption Ratio:

This value not requested.

Organic Material: 4.2 % **Plant Type:** New Turfgrass

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

Nitrate: 34.8 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: 13.3 ppm

Phosphorus is Low; Add 0.1 lbs. P2O5/100 sq.ft. or 1 lbs. P2O5/1000 sq.ft. Bone meal can be added at 3.5 lbs/100 sq.ft. or triplesuperphosphate can be added at .2 lb/100 sq.ft. Multiply rates by 10 to convert to lbs/1000 sq.ft.

Potassium: 90.9 ppm

Potassium is Low; Add 0.2 lbs K₂O per 100 sq.ft. or 2 lbs of K₂O/1000 sq.ft. Potassium can be added as potassium chloride at 0.3 lbs/100 sq.ft. as composted manure @ 0.1 cubic yards/100 sq.ft. Multiply rates by 10 to convert to lbs/1000 sq.ft.

Zinc: 112.3 ppm

Zinc is Very High; Plant growth may be reduced.

Iron: 92.5 ppm

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

Manganese: 20.4 ppm

Manganese is Adequate; No additional Mn is needed.

Copper: 67.7 ppm

Copper is High; This level may be toxic. Plant growth may be reduced.

Boron: 0.50 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