

Soil Test Report



Colorado State University
Soil, Water and Plant Testing Laboratory
Room A319, NESB
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Lab ID Number: H889a

Sample ID: #1

Company Name: Los Alamos County Parks

Contact Name: Jeff Humpton

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Email Address: jeff.humpton@lacnm.us

Client Type: Government/School

Current Plant Type: Established Turfgrass

Proposed Plant Type: Established Turfgrass

Current Irrigation: sprinkler

Current Amendments: fertilizer in spring

Report Date: 12/20/2016

Invoice #:

Street Address: 101 Camino Eutrada Bldg 5

City: Los Alamos

County: Las Alamos

State: NM

Zip: 81544

Date Rcvd: 12/12/2016

Date Tested: 12/14/2016

Test Performed By: JS TD TCP

pH: 7.6

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: 2.4 mmhos/cm

Slightly saline (E.C. = 2 to 4): salt sensitive plants can be affected. (e.g. carrot, green bean, onion, pea, radish, raspberry, strawberry). Avoid adding manure or animal-based compost since these often contain high levels of salt and will make the salinity problem worse. Leaching is the only practical way to remove excess salts. Add 6 inches of high-quality water (low in salts) to leach about 1/2 of the salt and lower soil E.C. to less than 2.0.

Lime: Very High

Very High: Lime is greater than 5%. Plants can still grow quite well in soil with this lime content.

Texture Estimate: Clay

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

Sodium Absorption Ratio: 6.2

Low: Sodium is not a problem.

Organic Material: 3.7 % Plant Type: Established Turfgrass

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

Nitrate: 36.8 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.