

Hello. Here are the recommendations requested regarding the attached soil report # 16-223-039 for San Joaquin National Cemetery.

**Sample #1: C4-C6:** A&L Labs is recommending 3.3 lbs. of Nitrogen, 1.0 lbs. of Phosphorus, and 3.0 lbs. of Potassium over the course of the growing season. The Ec levels are low at 0.6 which would indicate low fertility. The pH is on the high side at 7.5. The CEC reading is 13.7 which would indicate the soils are on the high end Sandy Loam and low end Silt. Generally CEC levels of 30+ are high end clay and 5+ are sandy soils. A&L Labs is recommending 15 lbs. of Elemental Sulfur to be applied over the course of the growing season, because the pH is high at 7.5. Elemental Sulfur/Tiger 90 will need to be applied to bring the pH down to a more acceptable range. They are also recommending 40 lbs. of Gypsum.

Three applications of Tiger 90 should be applied at 5 lbs. per 1,000 sq. ft. in November, March/April, and September to bring the pH down into the 5.5 to 6.5 range where it is more conducive for nutrient uptake.

Two applications of Gypsum Soil Buster should be applied at 20 lbs. per 1,000 sq. ft. preferably after soil aerification.

An application of BEST Triple Pro 15-15-15 at 6.7 lbs. per 1,000 sq. ft. would be 1 lb. of N, and 1 lb. of P, and 1 lb. of K. = November

An application of controlled release fertilizer Super Turf 25-5-5 at 6.0 lbs. per 1,000 sq. ft. would be 1.5 lbs. of N, .30 lbs. of P, and .30 lbs. of K = March/April

An application of Turf Supreme 16-6-8 at 6.3 lbs. per 1,000 sq. ft. would be 1.0 lbs. of N, .50 lbs. of P, and .37 lbs. of K = September

**Sample #2: Sec 9:** A&L Labs is recommending 3.3 lbs. of Nitrogen, 2.5 lbs. of Phosphorus, and 4.5 lbs. of Potassium over the course of the growing season. The Ec levels are low at 0.6 which would indicate low fertility. The pH is on the high side at 7.4. The CEC reading is 19.7 which would indicate the soils are on the high end Sandy Loam and low end Silt. Generally CEC levels of 30+ are high end clay and 5+ are sandy soils. A&L Labs is recommending 110 lbs. of Gypsum.

Three applications of Gypsum Soil Buster should be applied at 30 lbs. per 1,000 sq. ft. preferably after soil aerification.

An application of BEST Triple Pro 15-15-15 at 6.7 lbs. per 1,000 sq. ft. would be 1 lb. of N, and 1 lb. of P, and 1 lb. of K. = November

An application of controlled release fertilizer Super Turf 25-5-5 at 6.0 lbs. per 1,000 sq. ft. would be 1.5 lbs. of N, .30 lbs. of P, and .30 lbs. of K = March/April

An application of BEST Triple Pro 15-15-15 at 6.7 lbs. per 1,000 sq. ft. would be 1 lb. of N, and 1 lb. of P, and 1 lb. of K. = September

**Sample #3: C10-C12:** A&L Labs is recommending 3.3 lbs. of Nitrogen, 2.0 lbs. of Phosphorus, and 3.5 lbs. of Potassium over the course of the growing season. The Ec levels are low at 0.6 which would indicate low fertility. The pH is on the high side at 7.5. The A&L Labs is recommending 15 lbs. of Elemental Sulfur to be applied over the course of the growing season, because the pH is high at 7.5.