SUSTÂNE CONCENTRATED COMPOST TRIAL

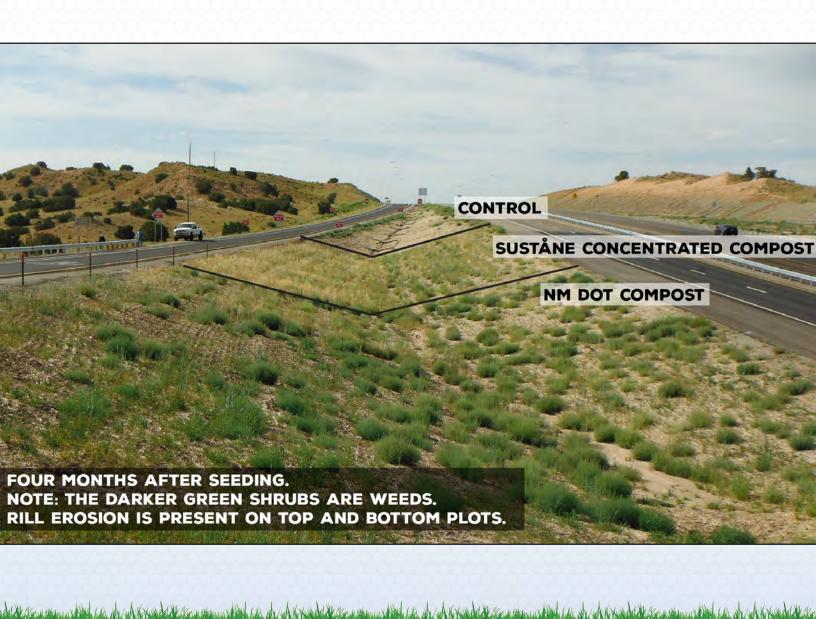


PURPOSE

Pojoaque Overpass Revegetation Trial for New Mexico Department of Transportation (DOT)

All Natural Compost for Rebuilding Depleted Soils and Promoting Rapid Plant Establishment in Environmentally Sensitive Areas

- Sustane Concentrated Compost was compared to NM DOT spec compost from the City of Albuquerque and an unfertilized control
- Soil was classified as unsuitable for plant growth with a pH of 9 and almost no organic matter or nutrients present
- More desired plant growth and less weeds
- Sustane was hydraulically applied at 3 tons/acre (120 lb. N/acre) and NM DOT spec compost was mechanically and hand applied at approximately 75 tons/acre (1,260 lb. N/acre)
- All seed beds were disked and drill seeded with native grass mix and mycorrhizal fungi
- Straw (barley) was blown at 2 tons/acre, crimped, and tacked
- Sites were compared after two, four months and 4 years.



SUSTANE CONCENTRATED COMPOST : RESULTS



PROVEN RESULTS



▲Two months after seeding



▲ Hand spreading NM DOT compost. Note three laborers and equipment operator required.



■Suståne Contrated compost supplies high quality humus (organic matter) and is screened to 2 mm.



◀NM DOT spec compost with sunglasses for reference. Note the light color and large particle size.

Revegetation Trial Results:

- Dry concentrated form is lighter, easy to apply, and provides the benefits of compost without high transportation and application costs.
- Concentrated Compost can be applied directly with seed and hydroseeded.
- Outperforms the competition at a much lower price.
- Both labor and equipment costs to apply NM DOT equipment were higher than Sustane Concentrated Compost. Up to \$1,000 per acre (10-33%) cost savings when factoring in labor and equipment costs
- The Sustane Concentrated Compost test area had the most rapid and significant native grass establishment with minor weed growth and no erosion.
- Early native grass germination outcompeted weeds.
- The NM DOT Compost test area had significant weed growth with very little native grass growth. Some rill erosion
- The Unfertilized Control had virtually no growth of any type and had significant rill erosion.
- The amount of water soluble nitrogen present in the NM DOT test area likely contributed to the explosion of weeds outcompeting the native grasses.

Conclusion: Sustane Concentrated Compost was the most affordable and the best treatment for native grass establishment



Thank you to our friends at Eight 14 Solutions for the pictures and a job well done! ▶

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POJOAQUE NM DOT TEST SITE REVISITED 2018



PROVEN RESULTS

▼TEST SITE REVISITED 4 MONTHS LATER













