

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

- Suståne 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
- Suståne 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.



PROVEN RESULTS



▲Two months after seeding



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



◀Sustāne 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 Sustāne Concentrated Compost. Up to \$1,000 per acre (10-33%) cost savings when factoring in labor and equipment costs
- The Sustāne 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 was visible.
- 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: *Sustāne Concentrated Compost was the most affordable and the best treatment for native grass establishment*



HYDRAULIC APPLICATION OF SUSTANE ALLOWS FOR AN EXTENDED REACH AND UNIFORM COVERAGE.

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

EIGHT 14 SOLUTIONS
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PROVEN RESULTS

▼TEST SITE REVISITED 4 MONTHS LATER



▼TEST SITE REVISITED 4 YEARS LATER
PHOTOS TAKEN FEBRUARY 15, 2018, GREG NAFFZ

