

COMPOST / AMENDMENT EVALUATION

Send To : Greenwaste-Zanker Landscape Materials 675 Los Esteros Road San Jose CA 95134	Project : ZZ Top Soil	Report Number : 26-044-0035 Customer Number : 01002 Date printed : 02/18/2026 Date received : 02/13/2026 Page : 1 of 3 Lab Number : 80777
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Sample Id : **ZZ Top Soil**

Nutrient	Total - Dry Weight	Extractable - Dry Weight	Saturation Extract	Sufficiency Factor
Nitrogen (N)	0.44 %	165 ppm		1.4
NH ₄ -N		8 ppm		
NO ₃ -N		157 ppm		
Phosphorus (P)	0.09 %	70 ppm		1.0
Phosphorus (P ₂ O ₅)	0.21 %	160 ppm		
Potassium (K)	0.24 %	1258 ppm	10.3 meq/L	3.3
Potassium (K ₂ O)	0.29 %	1522 ppm		
Calcium (Ca)	1.43 %	3214 ppm	18.1 meq/L	0.9
Magnesium (Mg)	0.81 %	717 ppm	12.9 meq/L	1.5
Sodium (Na)	0.05 %		9.1 meq/L	
Sulfur (S)	0.11 %			
Sulfate (SO ₄)			24.6 meq/L	8.2
Chloride (Cl)			11.8 meq/L	
Copper (Cu)	80.6 ppm	0.9 ppm		0.3
Zinc (Zn)	75.5 ppm	5 ppm		0.5
Manganese (Mn)	410 ppm	3 ppm		0.1
Iron (Fe)	22200 ppm	58 ppm		0.6
Dilute Acid Fe		0.40 %		
Boron (B)	40.2 ppm		0.48 ppm	1.6

Test	Result
pH (sat paste)	7.0 s.u.
% Half Sat.	58
TEC	211 meq/kg
Qualitative Lime	Medium
Salinity (EC of sat ext.)	4.3 dS/m
SAR (Sodium adsorption ratio)	2.31
Sodium as % of ECe	19 %
Bulk Density - Dry	787 lbs/yd ³
Bulk Density - As Received	1045 lbs/yd ³
Moisture - As Received	24.7 %
Organic	26.2 %
Weight of organic / yd ³	206 lbs/yd ³
Weight of mineral / yd ³	581 lbs/yd ³
C/N Ratio	35.7

Gradation	
Wt Percent Retained 1"	0.0 %
Wt Percent Retained 1/2"	0.0 %
Fraction Passing 1/2 inch Screen - Dry Weight Basis	
Screen Opening	% Passing
Passing 9.5mm	100.0 %
Passing 6.4mm (1/4")	99.8 %
Passing 4.75mm	96.2 %
Passing 2.36mm	80.5 %
Passing 1.00mm	49.9 %
Passing 0.50mm	28.2 %

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NUTRIENT SUMMARY

Test	Amount Per Cubic Yard				Amount Per Ton, As Rec'd				Available as a % Of Total
	Total		Available		Total		Available		
Nitrogen	3.46	lbs	0.13	lbs	6.63	lbs	0.25	lbs	4
Phosphorus (P)	0.69	lbs	0.06	lbs	1.33	lbs	0.11	lbs	8
Phosphorus (P ₂ O ₅)	1.59	lbs	0.13	lbs	3.04	lbs	0.24	lbs	8
Potassium (K)	1.91	lbs	0.99	lbs	3.66	lbs	1.89	lbs	52
Potassium (K ₂ O)	2.32	lbs	1.2	lbs	4.43	lbs	2.29	lbs	52
Calcium	11.24	lbs	2.53	lbs	21.51	lbs	4.84	lbs	23
Magnesium	6.35	lbs	0.56	lbs	12.16	lbs	1.08	lbs	9
Sulfur	0.84	lbs	0.36	lbs	1.6	lbs	0.69	lbs	43
Copper	1.01	ozs	0.01	ozs	1.94	ozs	0.02	ozs	1
Zinc	0.95	ozs	0.07	ozs	1.82	ozs	0.13	ozs	7
Manganese	5.16	ozs	0.04	ozs	9.88	ozs	0.07	ozs	1
Iron	279.54	ozs	0.73	ozs	534.93	ozs	1.4	ozs	0
Boron	0.51	ozs	0.01	ozs	0.97	ozs	0.01	ozs	1
Organic Matter	206	lbs			395	lbs			

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POTENTIAL RATE LIMIT FACTORS

Test	% Volume rate limit	Cubic yard amendment per 1000 sf to 6"							
		1	2	3	4	5	6	7	8
		Volume % amendment blend with sandy loam							
		5	11	16	22	27	32	38	43
EC sat. ext.	58 %								
Sodium sol.	No Limit								
Chloride sol.	No Limit								
Boron sol.	No Limit								
NH ₄ -N	No Limit								
Available									
Nitrogen	No Limit								
PO ₄ P	No Limit								
Copper	No Limit								
Zinc	No Limit								

Rate limit estimates based on amending a non-problematic sandy loam

RELATIVE IMMEDIATE NUTRIENT AND ORGANIC VALUE

* Example Rate 43 %	Slight	Moderate	Abundant
Nitrogen			
Phosphorus			
Potassium			
Calcium			
Magnesium			
Copper			
Zinc			
Manganese			
Iron			
Sulfate			
Organic Matter			

* If no chemical characteristics are rate limiting, the example rate is based on organic content of the amendment (up to a max of 43%).