

COMPOST / AMENDMENT EVALUATION

Send To : Greenwaste-Zanker Landscape Materials 675 Los Esteros Road San Jose CA 95134	Project : Horticultural Blend	Report Number : 26-044-0026 Customer Number : 01002 Date printed : 02/19/2026 Date received : 02/13/2026 Page : 1 of 3 Lab Number : 80771
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Sample Id : **Horticultural Blend**

Nutrient	Total - Dry Weight	Extractable - Dry Weight	Saturation Extract	Sufficiency Factor
Nitrogen (N)	0.26 %	15 ppm		0.2
NH ₄ -N		14 ppm		
NO ₃ -N		1 ppm		
Phosphorus (P)	0.09 %	78 ppm		1.3
Phosphorus (P ₂ O ₅)	0.21 %	179 ppm		
Potassium (K)	0.16 %	380 ppm	1.9 meq/L	1.6
Potassium (K ₂ O)	0.19 %	460 ppm		
Calcium (Ca)	1.37 %	1610 ppm	11.5 meq/L	1.0
Magnesium (Mg)	0.54 %	311 ppm	7.1 meq/L	1.3
Sodium (Na)	0.04 %		3.0 meq/L	
Sulfur (S)	0.06 %			
Sulfate (SO ₄)			19.4 meq/L	6.5
Chloride (Cl)			1.9 meq/L	
Copper (Cu)	43.5 ppm	0.4 ppm		0.3
Zinc (Zn)	26.9 ppm	3 ppm		0.6
Manganese (Mn)	198 ppm	9 ppm		0.8
Iron (Fe)	8990 ppm	26 ppm		0.5
Dilute Acid Fe		0.38 %		
Boron (B)	19.6 ppm		0.52 ppm	1.7

Test	Result
pH (sat paste)	6.4 s.u.
% Half Sat.	49
TEC	97 meq/kg
Qualitative Lime	Low
Salinity (EC of sat ext.)	1.8 dS/m
SAR (Sodium adsorption ratio)	0.99
Sodium as % of ECe	15 %
Bulk Density - Dry	947 lbs/yd ³
Bulk Density - As Received	1112 lbs/yd ³
Moisture - As Received	14.9 %
Organic	25.5 %
Weight of organic / yd ³	241 lbs/yd ³
Weight of mineral / yd ³	705 lbs/yd ³
C/N Ratio	58.7

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	98.6 %
Passing 6.4mm (1/4")	85.1 %
Passing 4.75mm	71.6 %
Passing 2.36mm	55.4 %
Passing 1.00mm	40.0 %
Passing 0.50mm	24.0 %

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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	2.46	lbs	0.01	lbs	4.43	lbs	0.03	lbs	1
Phosphorus (P)	0.89	lbs	0.07	lbs	1.61	lbs	0.13	lbs	8
Phosphorus (P ₂ O ₅)	2.05	lbs	0.17	lbs	3.68	lbs	0.3	lbs	8
Potassium (K)	1.48	lbs	0.36	lbs	2.67	lbs	0.65	lbs	24
Potassium (K ₂ O)	1.8	lbs	0.44	lbs	3.23	lbs	0.78	lbs	24
Calcium	12.95	lbs	1.52	lbs	23.27	lbs	2.74	lbs	12
Magnesium	5.12	lbs	0.29	lbs	9.2	lbs	0.53	lbs	6
Sulfur	0.56	lbs	0.29	lbs	1.01	lbs	0.52	lbs	51
Copper	0.66	ozs	0.01	ozs	1.18	ozs	0.01	ozs	1
Zinc	0.41	ozs	0.04	ozs	0.73	ozs	0.08	ozs	11
Manganese	3	ozs	0.13	ozs	5.39	ozs	0.23	ozs	4
Iron	136.22	ozs	0.39	ozs	244.82	ozs	0.71	ozs	0
Boron	0.3	ozs	0.01	ozs	0.53	ozs	0.01	ozs	2
Organic Matter	241	lbs			434	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.	No Limit								
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 40 %	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%).