

COMPOST / AMENDMENT EVALUATION

Send To : Greenwaste-Zanker Landscape Materials 675 Los Esteros Road San Jose CA 95134	Project : Red Mulch	Report Number : 26-044-0021 Customer Number : 01002 Date printed : 02/18/2026 Date received : 02/13/2026 Page : 1 of 2 Lab Number : 80767
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Sample Id : **Red Mulch**

Nutrient	Total - Dry Weight	Extractable - Dry Weight	Saturation Extract	Sufficiency Factor
Nitrogen (N)	0.27 %	0 ppm		0
NH ₄ -N		0 ppm		
NO ₃ -N		0 ppm		
Phosphorus (P)		53 ppm		0.2
Phosphorus (P ₂ O ₅)		121 ppm		
Potassium (K)		406 ppm	1.3 meq/L	0.6
Potassium (K ₂ O)		491 ppm		
Calcium (Ca)		1270 ppm	1.9 meq/L	0.7
Magnesium (Mg)		199 ppm	0.7 meq/L	0.6
Sodium (Na)			2.5 meq/L	
Sulfur (S)				
Sulfate (SO ₄)			3.4 meq/L	1.1
Chloride (Cl)				
Copper (Cu)		1.0 ppm		1.0
Zinc (Zn)		5 ppm		1.2
Manganese (Mn)		15 ppm		1.9
Iron (Fe)		341 ppm		9.4
Dilute Acid Fe		0.04 %		
Boron (B)			0.86 ppm	2.9

Test	Result
pH (sat paste)	5.8 s.u.
% Half Sat.	249
TEC	74 meq/kg
Qualitative Lime	None
Salinity (EC of sat ext.)	0.7 dS/m
SAR (Sodium adsorption ratio)	2.18
Sodium as % of ECe	32 %
Bulk Density - Dry	242 lbs/yd ³
Bulk Density - As Received	405 lbs/yd ³
Moisture - As Received	40.1 %
Organic	94.7 %
Weight of organic / yd ³	229 lbs/yd ³
Weight of mineral / yd ³	13 lbs/yd ³
C/N Ratio	210.0

Gradation	
Wt Percent Retained 1"	0.0 %
Wt Percent Retained 1/2"	32.9 %
Fraction Passing 1/2 inch Screen - Dry Weight Basis	
Screen Opening	% Passing
Passing 9.5mm	53.7 %
Passing 6.4mm (1/4")	23.5 %
Passing 4.75mm	10.9 %
Passing 2.36mm	2.4 %
Passing 1.00mm	0.5 %
Passing 0.50mm	0.0 %

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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.									
Boron sol.	86 %								
NH ₄ -N									
Available Nitrogen									
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 42 %	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%).