

**COMPOST / AMENDMENT EVALUATION**

Send To : Greenwaste-Zanker Landscape Materials 675 Los Esteros Road San Jose CA 95134	Project : Black Mulch	Report Number : <b>26-044-0011</b> Customer Number : 01002 Date printed : 02/18/2026 Date received : 02/13/2026 Page : 1 of 2 Lab Number : 80757
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Sample Id : **Black Mulch**

Nutrient	Total - Dry Weight	Extractable - Dry Weight	Saturation Extract	Sufficiency Factor
Nitrogen (N)	0.47 %	2 ppm		0
NH <sub>4</sub> -N		0 ppm		
NO <sub>3</sub> -N		2 ppm		
Phosphorus (P )		56 ppm		0.2
Phosphorus (P <sub>2</sub> O <sub>5</sub> )		128 ppm		
Potassium (K)		263 ppm	1.3 meq/L	0.4
Potassium (K <sub>2</sub> O )		318 ppm		
Calcium (Ca)		1722 ppm	3.7 meq/L	0.8
Magnesium (Mg)		238 ppm	1.0 meq/L	0.6
Sodium (Na)			2.2 meq/L	
Sulfur (S)				
Sulfate (SO <sub>4</sub> )			6.0 meq/L	2.0
Chloride (Cl)				
Copper (Cu)		3.8 ppm		3.2
Zinc (Zn)		5 ppm		1.1
Manganese (Mn)		6 ppm		0.6
Iron (Fe)		8 ppm		0.2
Dilute Acid Fe		0.01 %		
Boron (B)			1.97 ppm	6.6

Test	Result
pH (sat paste)	5.1 s.u.
% Half Sat.	225
TEC	87 meq/kg
Qualitative Lime	None
Salinity (EC of sat ext.)	0.8 dS/m
SAR (Sodium adsorption ratio)	1.46
Sodium as % of ECe	27 %
Bulk Density - Dry	244 lbs/yd <sup>3</sup>
Bulk Density - As Received	405 lbs/yd <sup>3</sup>
Moisture - As Received	39.6 %
Organic	83.7 %
Weight of organic / yd <sup>3</sup>	205 lbs/yd <sup>3</sup>
Weight of mineral / yd <sup>3</sup>	40 lbs/yd <sup>3</sup>
C/N Ratio	106.6

Gradation	
Wt Percent Retained 1"	0.0 %
Wt Percent Retained 1/2"	30.8 %
<b>Fraction Passing 1/2 inch Screen - Dry Weight Basis</b>	
<b>Screen Opening</b>	<b>% Passing</b>
Passing 9.5mm	55.2 %
Passing 6.4mm ( 1/4")	22.6 %
Passing 4.75mm	8.0 %
Passing 2.36mm	1.3 %
Passing 1.00mm	0.5 %
Passing 0.50mm	0.5 %

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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.	38 %								
NH <sub>4</sub> -N									
Available Nitrogen									
PO <sub>4</sub> 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 38 %	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%).