



Cedar Grove Composting Compost Quality Assurance Program 2016

Cedar Grove Fine Grade Compost

Cedar Grove Compost is made from 100% locally recycled landscape and food trimmings, and clean wood waste. Cedar Grove Compost facilities are in compliance with Washington Department of Ecology (WDOE) requirements for compost process and product quality (WAC 173-350-220). Cedar Grove also voluntarily meets the US Composting Council's Seal of Testing Assurance (STA) and Washington Department of Transportation (WDOT) standards. Results of tests for horticultural values and applicable WDOT standards are shown in Chart 1. WDOE compost quality requirements and Cedar Grove Compost results are in Chart 2.

Chart 1. Cedar Grove Fine Grade Compost Horticultural Values

	WDOT Standard	Cedar Grove (2/5/2016)
Organic Matter	>40%	59.3%
Carbon to Nitrogen Ratio	<25	19
Conductivity	≤4 mmhos/cm	3.4 mmhos/cm
Seedling Emergence	>80% of purified water	100%
Seedling Vigor	>80% of purified water	106% "Healthy"
pH	6.0-8.5	8.25
Compost Stability	<7 mg CO ₂ /gr. OM/day	3.5 mg CO₂/gr. OM/day "Stable"
Dry weight		19 lbs / cu. ft.
Major Nutrients		
Total Nitrogen		1.9%
Phosphorous (P ₂ O ₅)		.74%
Potassium (K ₂ O)		.79%
Sulfate		16 mg/kg
Calcium		2.0%
Magnesium		0.31%

Chart 2. Compost Quality Requirements - Washington Administrative Code 173-350 Sect. 220

	WAC 173-350-220 Standard	Cedar Grove Compost (2/5/2016)
Metals	<i>Parts per million (mg/kg), dry wt.</i>	
Arsenic	≤20	7.9
Cadmium	≤10	<1.0
Copper	≤750	61
Lead	≤150	29
Mercury	≤8	<1.0
Molybdenum	≤9	1.4
Nickel	≤210	15
Selenium	≤18	<1.0
Zinc	≤1400	160
pH	5-10 (range)	8.25
Salmonella (Pathogen indicator)	< 3 MPN / 4 grams of total solids	Pass
Sharps	0 percent	None Detected
Manufactured Inerts	< 0.5 percent	<0.1 percent

Chart 3. WDOT Particle Size Specifications by Compost Grade

Sieve size	WDOT "Fine" Compost	Cedar Grove (2/5/2016)
1"	95-100%	100%
5/8"	90-100%	100%
1/4"	75-100%	75%



US Composting Council
Seal of Testing Assurance

All tests performed by Soil Control Lab, Watsonville, CA; using TMECC/STA specified methods.