



Cedar Grove Composting Compost Quality Assurance Program 2012

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 (11/14/2012)
Organic Matter	>40%	56.9%
Carbon to Nitrogen Ratio		18
Conductivity	<4 mmhos/cm	3.3 mmhos/cm
Seedling Emergence	>80% of purified water	100%
Seedling Vigor	>80% of purified water	100%
Compost Stability	<7 mg CO ₂ /gr. OM/day	1.2 - "Very Stable"
Viable Weed Seeds		No Viable Weed Seed Detected
Dry weight		20 lbs / cu. ft.
Major Nutrients	Total Nitrogen	1.5%
	Phosphorous (P ₂ O ₅)	.51%
	Potassium (K ₂ O)	.95%
	Sulfate	48 mg/kg
	Calcium	1.3%
	Magnesium	0.35%

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

	WAC 173-350-220 Standard	Cedar Grove Compost (11/14/2012)
Metals	<i>Parts per million (mg/kg), dry wt.</i>	
Arsenic	<=20	7.4
Cadmium	<=10	<1.0
Copper	<=750	62
Lead	<=150	45
Mercury	<=8	<1.0
Molybdenum	<=9	2.6
Nickel	<=210	19
Selenium	<=18	<1
Zinc	<=1400	170
pH	5-10 (range)	8.0
Salmonella (Pathogen indicator)	< 3 MPN / 4 grams of total solids	Pass
Sharps	0 percent	None Detected
Manufactured Inerts	< 1 percent	< 0.5 percent

Chart 3. WDOT Particle Size Specifications by Compost Grade

Sieve size	WDOT "Fine" Compost	Cedar Grove (10/5//2012)
1"	95-100%	100%
5/8"	90-100%	97.3%
1/4"	75-100%	91.1%



**US Composting
Council**
Seal of Testing
Assurance

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