Cedar Grove Composting
Compost Quality Assurance Program 2013

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 (10/29/2013)
Organic Matter		>40%	**51.1%**
Carbon to Nitrogen Ratio			**16**
Conductivity		$\leq$4 mmhos/cm	**2.9 mmhos/cm**
Seedling Emergence		>80% of purified water	**100%**
Seedling Vigor		>80% of purified water	**100%**
Weed Seeds			**No weed germination**
Compost Stability		<7 mg CO_2/gr. OM/day	**2.8 "Stable"**
Dry weight			**23 lbs / cu. ft.**
Major Nutrients	Total Nitrogen		**1.5%**
	Phosphorous (P_2O_5)		**.57%**
	Potassium (K_2O)		**1.1%**
	Sulfate		**130 mg/kg**
	Calcium		**1.5%**
	Magnesium		**0.37%**

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

	WAC 173-350-220 Standard	Cedar Grove Compost (10/29/2013)
Metals	*Parts per million (mg/kg), dry wt.*	
Arsenic	<=20	**6.9**
Cadmium	<=10	**<1.0**
Copper	<=750	**46**
Lead	<=150	**34**
Mercury	<=8	**<1.0**
Molybdenum	<=9	**1.8**
Nickel	<=210	**17**
Selenium	<=18	**<1**
Zinc	<=1400	**160**
pH	5-10 (range)	**7.68**
Salmonella (Pathogen indicator)	< 3 MPN / 4 grams of total solids	**Pass**
Sharps	0 percent	**None Detected**
Manufactured Inerts	< 0.5 percent	**< 0.5 percent**

Chart 3. WDOT Particle Size Specifications by Compost Grade

Sieve size	WDOT "Fine" Compost	Cedar Grove (10/29//2013)
1"	95-100%	**100%**
5/8"	90-100%	**100%**
¼"	75-100%	**94.7%**

US Composting Council
Seal of Testing Assurance

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