



# Cedar Grove Composting Compost Quality Assurance Program 2018

## Cedar Grove Certified Organic Compost

Cedar Grove Certified Organic Compost is made from 100% locally recycled landscape trimmings. 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 (10/15/2018)
<b>Organic Matter</b>	>40%	55.9%
<b>Carbon to Nitrogen Ratio</b>	<25	13
<b>Conductivity</b>	≤4 mmhos/cm	3.8 mmhos/cm
<b>Seedling Emergence</b>	>80% of purified water	100%
<b>Seedling Vigor</b>	>80% of purified water	109% “Healthy”
<b>Weed Germination</b>		No weeds
<b>pH</b>	6.0-8.5	7.41
<b>Compost Stability</b>	<7 mg CO <sub>2</sub> /gr. OM/day	2.7 mg CO <sub>2</sub> /gr. OM/day “Stable”
<b>Dry weight</b>		26 lbs / cu. ft.
<b>Major Nutrients</b>		
Total Nitrogen		2.2%
Phosphorous (P <sub>2</sub> O <sub>5</sub> )		1.0%
Potassium (K <sub>2</sub> O)		1.0%
Sulfate		220 mg/kg
Calcium		1.9%
Magnesium		0.34%

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

	WAC 173-350-220 Standard	Cedar Grove Compost (10/15/2018)
<b>Metals</b>	<i>Parts per million (mg/kg), dry wt.</i>	
Arsenic	≤20	8
Cadmium	≤10	<1.0
Copper	≤750	65
Lead	≤150	28
Mercury	≤8	<1.0
Molybdenum	≤9	1.6
Nickel	≤210	16
Selenium	≤18	<1.0
Zinc	≤1400	180
pH	5-10 (range)	7.41
Salmonella (Pathogen indicator)	< 3 MPN / 4 grams of total solids	Pass
Sharps	0 percent	None Detected
Manufactured Inerts	< 0.50 percent	0.27 percent

**Chart 3. WDOT Particle Size Specifications by Compost Grade**

Sieve size	WDOT “Fine” Compost	Cedar Grove (10/15/2018)
1”	95-100%	100%
5/8”	90-100%	99.6%
¼”	75-100%	90.2%



**US Composting  
Council**  
Seal of Testing  
Assurance

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