



**US COMPOSTING COUNCIL**

*Seal of Testing Assurance*

**City of Richland**

John Bykonen  
PO Box 190  
Richland, WA 99352  
509-942-7485

Product Name: **FC ROW 4TH QTR BS 10/10/16**

Sample Date: 5/2/2017

# COMPOST TECHNICAL DATA SHEET

LABORATORY: Midwest Laboratories, Inc. 13611 B St. Omaha, NE 68144 (402)334-7770 ph (402)334-9121 fax

<i>Compost Parameters</i>	<i>Reported as (units of measure)</i>	<i>Test Results</i>	<i>Test Results</i>
Plant Nutrients:	%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	Total N	1.76	2.63
Phosphorus	P <sub>2</sub> O <sub>5</sub>	1.14	1.70
Potassium	K <sub>2</sub> O	1.28	1.91
Calcium	Ca	1.58	2.36
Magnesium	Mg	0.45	0.67
Moisture Content	%, wet weight basis	33.12	
Organic Matter Content	%, dry weight basis		41.57
pH	pH units	7.5	
Soluble Salts <i>(electrical conductivity EC<sub>5</sub>)</i>	mS/cm	6.25	
Particle Size	% < 9.5 mm (¾ in.), dw basis	100	
Stability Indicator ( <i>respirometry</i> )	mgCO <sub>2</sub> -C/gOM/day	0.68	
Maturity Indicator (bioassay)			
Percent Emergence	average % of control	70	
Relative Seedling Vigor	average % of control	100	
Select Pathogens	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS	
Trace Metals	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	PASS	

*Participants in the US Composting Council's Seal of Testing Assurance Program have shown the commitment to test their compost products on a prescribed basis and provide this data, along with compost end use instructions, as a means to better serve the needs of their compost customers.*

*Directions for Product Use:*

1. **Landscape Mulch:** Evenly apply compost at a rate of no greater than 2 inches of depth. Compost can be spread from a wheel barrow. Apply compost around the base of trees, shrubs, and other plants, avoiding placing mulch against the plant's trunk or stem. Smooth and further distribute compost with a rake or by hand to create a solid mulch layer.
2. **Backfill Mix:** Apply compost at an inclusion rate (ratio) of 25% to 33% when blending with native soil when planting trees and shrubs. Dig a hole slightly shallower than the root ball and two to four times its width. Apply the fully blended compost and native soil around the root ball, tamping and watering around the root ball to firm up the plant.
3. **Turf Establishment:** Evenly apply compost at a rate of 1 to 2 inches. Incorporate the compost to a depth of 5 to 7 inches using a rototiller or disc until the compost is evenly mixed with an inclusion rate of 20 to 30% by volume. Rake or drag to smooth the soil surface. A starter fertilizer application may be necessary. Apply seed and water.
4. **Upgrading marginal soils:** Evenly apply compost at a rate of 1 to 3 inches. Incorporate the compost to a depth of approximately 6 inches using a rototiller, plow, or disc until the compost is evenly mixed with an inclusion rate of 20 to 50% volume. Rake or drag to smooth the soil surface. A starter fertilizer application may be necessary. Apply seed, or plant trees or shrubs based on the intended use of the soil. Water as necessary to assure proper crop establishment.
5. **Soil Mulch for Erosion Control:** Apply a 3 to 4 inch layer of compost over the sloped soil surface including over the top of the slope. The varied size of the compost material will produce a stable mat with good water holding capacity for the sloped areas. Slightly wet, and tamp or roll the compost to increase the holding capacity of the compost on the slope to the existing native soil. If a more stable slope is desired, cover the slope with seed, and water as necessary to establish vegetation. If not actively vegetated, natural re-vegetation will also occur over time.

NOTE: The USCC does not assess whether or not, or to what extent, these directions are sound, sufficient or otherwise appropriate. It is the participant's responsibility alone to ensure that they are.

*Compost Ingredients:*

This compost product has been sampled and tested as required by the Seal of Testing Assurance Program of the United States Composting Council (USCC), using certain methods from the "Test Methods for the Examination of Compost and Composting" manual. Test results are available upon request by calling City of Richland at 509-942-7485 referencing MWL report 17-135-4164. The USCC makes no warranties regarding this product or its contents, quality, or suitability for any particular use.

*For additional information pertaining to compost use, the specific compost parameters tested for within the Seal of Testing Assurance Program, or the program in general, log on to the US Composting Council's TMECC web-site at <http://www.tmecc.org/sta/>.*



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John Bykonen  
PO Box 190  
Richland, WA 99352  
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Product Name: **FC ROW 11-28-16**

Sample Date: \_\_\_\_\_ 5/3/2017

# COMPOST TECHNICAL DATA SHEET

LABORATORY: Midwest Laboratories, Inc. 13611 B St. Omaha, NE 68144 (402)334-7770 ph (402)334-9121 fax

<i>Compost Parameters</i>	<i>Reported as (units of measure)</i>	<i>Test Results</i>	<i>Test Results</i>
Plant Nutrients:	%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	Total N	1.61	2.72
Phosphorus	P <sub>2</sub> O <sub>5</sub>	1.24	2.10
Potassium	K <sub>2</sub> O	0.96	1.62
Calcium	Ca	1.91	3.23
Magnesium	Mg	0.45	0.76
Moisture Content	%, wet weight basis	40.82	
Organic Matter Content	%, dry weight basis		43.09
pH	pH units	7.4	
Soluble Salts <i>(electrical conductivity EC<sub>5</sub>)</i>	mS/cm	5.89	
Particle Size	% < 9.5 mm (¾ in.), dw basis	100	
Stability Indicator ( <i>respirometry</i> )	mgCO <sub>2</sub> -C/gOM/day	0.59	
Maturity Indicator (bioassay)			
Percent Emergence	average % of control	100	
Relative Seedling Vigor	average % of control	100	
Select Pathogens	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS	
Trace Metals	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	PASS	

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*Directions for Product Use:*

1. **Landscape Mulch:** Evenly apply compost at a rate of no greater than 2 inches of depth. Compost can be spread from a wheel barrow. Apply compost around the base of trees, shrubs, and other plants, avoiding placing mulch against the plant's trunk or stem. Smooth and further distribute compost with a rake or by hand to create a solid mulch layer.
2. **Backfill Mix:** Apply compost at an inclusion rate (ratio) of 25% to 33% when blending with native soil when planting trees and shrubs. Dig a hole slightly shallower than the root ball and two to four times its width. Apply the fully blended compost and native soil around the root ball, tamping and watering around the root ball to firm up the plant.
3. **Turf Establishment:** Evenly apply compost at a rate of 1 to 2 inches. Incorporate the compost to a depth of 5 to 7 inches using a rototiller or disc until the compost is evenly mixed with an inclusion rate of 20 to 30% by volume. Rake or drag to smooth the soil surface. A starter fertilizer application may be necessary. Apply seed and water.
4. **Upgrading marginal soils:** Evenly apply compost at a rate of 1 to 3 inches. Incorporate the compost to a depth of approximately 6 inches using a rototiller, plow, or disc until the compost is evenly mixed with an inclusion rate of 20 to 50% volume. Rake or drag to smooth the soil surface. A starter fertilizer application may be necessary. Apply seed, or plant trees or shrubs based on the intended use of the soil. Water as necessary to assure proper crop establishment.
5. **Soil Mulch for Erosion Control:** Apply a 3 to 4 inch layer of compost over the sloped soil surface including over the top of the slope. The varied size of the compost material will produce a stable mat with good water holding capacity for the sloped areas. Slightly wet, and tamp or roll the compost to increase the holding capacity of the compost on the slope to the existing native soil. If a more stable slope is desired, cover the slope with seed, and water as necessary to establish vegetation. If not actively vegetated, natural re-vegetation will also occur over time.

NOTE: The USCC does not assess whether or not, or to what extent, these directions are sound, sufficient or otherwise appropriate. It is the participant's responsibility alone to ensure that they are.

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John Bykonen  
PO Box 190  
Richland, WA 99352  
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Product Name: **FC ROW 12-19-16**

Sample Date: \_\_\_\_\_ 5/16/2017

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LABORATORY: Midwest Laboratories, Inc. 13611 B St. Omaha, NE 68144 (402)334-7770 ph (402)334-9121 fax

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Plant Nutrients:	%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	Total N	1.39	2.69
Phosphorus	P <sub>2</sub> O <sub>5</sub>	0.89	1.72
Potassium	K <sub>2</sub> O	0.73	1.41
Calcium	Ca	1.72	3.32
Magnesium	Mg	0.37	0.71
Moisture Content	%, wet weight basis	48.25	
Organic Matter Content	%, dry weight basis		47.15
pH	pH units	7.6	
Soluble Salts <i>(electrical conductivity EC<sub>5</sub>)</i>	mS/cm	4.51	
Particle Size	% < 9.5 mm (¾ in.), dw basis	100	
Stability Indicator ( <i>respirometry</i> )	mgCO <sub>2</sub> -C/gOM/day	0.43	
Maturity Indicator (bioassay)			
Percent Emergence	average % of control	100	
Relative Seedling Vigor	average % of control	100	
Select Pathogens	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS	
Trace Metals	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	PASS	

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3. **Turf Establishment:** Evenly apply compost at a rate of 1 to 2 inches. Incorporate the compost to a depth of 5 to 7 inches using a rototiller or disc until the compost is evenly mixed with an inclusion rate of 20 to 30% by volume. Rake or drag to smooth the soil surface. A starter fertilizer application may be necessary. Apply seed and water.
4. **Upgrading marginal soils:** Evenly apply compost at a rate of 1 to 3 inches. Incorporate the compost to a depth of approximately 6 inches using a rototiller, plow, or disc until the compost is evenly mixed with an inclusion rate of 20 to 50% volume. Rake or drag to smooth the soil surface. A starter fertilizer application may be necessary. Apply seed, or plant trees or shrubs based on the intended use of the soil. Water as necessary to assure proper crop establishment.
5. **Soil Mulch for Erosion Control:** Apply a 3 to 4 inch layer of compost over the sloped soil surface including over the top of the slope. The varied size of the compost material will produce a stable mat with good water holding capacity for the sloped areas. Slightly wet, and tamp or roll the compost to increase the holding capacity of the compost on the slope to the existing native soil. If a more stable slope is desired, cover the slope with seed, and water as necessary to establish vegetation. If not actively vegetated, natural re-vegetation will also occur over time.

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