



COMPOST SAMPLE SUBMISSION FORM

See enclosed sheet for sampling information and instructions

Name: _____ Address: _____ _____ State: _____ Zip: _____ Telephone: _____ Fax: _____ Email: _____ Sample Identification: _____	<i>Send copy of analysis to:</i> Name: _____ Address: _____ _____ State: _____ Zip: _____
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ANALYSIS REQUEST

Please check test(s) requested and submit payment with your sample. Make checks payable to: *Penn State University*.
 See back of this form for sample size required.

Compost Test Package*

- 1A \$ 30.00
- 1B \$ 46.00
- 1C \$ 60.00
- 2A \$ 260.00
- 2B \$ 340.00
- 3A \$ 350.00
- 3B \$ 180.00

**See back for description of test packages*

Optional Tests

- Bulk Density \$ 10.00
- Particle Size \$ 20.00
- CO₂ Respirometry Test \$ 85.00
- Bioassay Test \$ 70.00
- Nitrate-Nitrogen \$ 15.00
- Faxing Reports (cost per page) \$ 1.00

Total Cost: \$ _____

Report Units: Compost analysis results are reported on a weight basis. Results will also be reported on a volume basis (lb/yd³) if a bulk density analysis is requested (see above listing under optional tests) or if you provide us with the bulk density for the compost submitted. If you would like results reported on a volume basis and are not requesting a laboratory bulk density test, please provide the bulk density of your sample here:

(Note: procedure for determining bulk density on-site is provided on the back of this form.)

Producer-determined bulk density (lb/yd³): _____

SAMPLE INFORMATION

Sample submitted is	If sample is compost:	Intended use of this compost is
<input type="checkbox"/> Feedstock (<i>list type in next column</i>) <input type="checkbox"/> Unfinished compost: <i>age in weeks:</i> _____ <input type="checkbox"/> Finished compost <input type="checkbox"/> Other: _____	Check composting method used. Add any relevant information regarding composting method. <input type="checkbox"/> Windrow, <i>Turning frequency:</i> _____ <input type="checkbox"/> Static Pile <input type="checkbox"/> Forced aeration <input type="checkbox"/> Passive aeration <input type="checkbox"/> In vessel <input type="checkbox"/> Vermicomposting <input type="checkbox"/> Backyard bin <input type="checkbox"/> Other _____ Additional Information: _____ _____ _____	Intended use of this compost is <i>(Check all that may apply)</i> <input type="checkbox"/> Landscape mulch <input type="checkbox"/> Potting media <input type="checkbox"/> Nursery bed amendment <input type="checkbox"/> Home garden amendment <input type="checkbox"/> Turf topdressing/establishment <input type="checkbox"/> Agricultural soil amendment <input type="checkbox"/> Other _____ <input type="checkbox"/> Unknown

COMPOST TEST PACKAGES

Basic Compost Tests:

Compost Test 1A:	% Solids, % organic matter, pH, soluble salts, total nitrogen, carbon, C:N ratio...	\$30.00
Compost Test 1B:	Compost Test 1A plus ammonium nitrogen, phosphorus and potassium	\$46.00
Compost Test 1C:	Compost Test 1A plus ammonium nitrogen, phosphorus, potassium, calcium, magnesium, aluminum, copper, iron, manganese, sodium, sulfur, and zinc.....	\$60.00

Sample size required for Compost Tests 1A, 1B, or 1C: approximately 1 quart

Basic Compost Test Plus Pollutants

<u>Compost Test 2A:</u>	% Solids, % organic matter, pH, soluble salts, total nitrogen, carbon, C:N ratio, ammonium nitrogen, phosphorus, potassium, calcium, magnesium, aluminum, iron, manganese, sodium, sulfur, arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, and zinc.....	\$260.00
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<u>Compost Test 2B:</u>	Compost Test 2A plus PCBs	\$340.00
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(Note: if compost contains sewage sludge and is for land application to meet EPA 503 regulations, Compost Test 2B is recommended.)

Sample size required for Compost Tests 2A or 2B: approximately 1 quart

Compost Tests for U.S. Compost Council's Seal of Testing Approval Program

<u>Compost Test 3A:</u>	% solids, % organic matter, pH, soluble salts, total nitrogen, total carbon, carbon:nitrogen ratio, ammonium nitrogen, phosphorus, potassium, calcium, magnesium, arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, particle size (< 9.5 mm), respirometry test, bioassay, fecal coliform.....	\$350.00
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Note: for fecal coliform test, sample must be received at laboratory within 24 hours of shipping.

<u>Compost Test 3B:</u>	Compost Test 3A <u>without</u> EPA 503 pollutants (arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium and zinc) and <u>without</u> fecal coliform.	\$180.00
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Sample size required for Compost Test 3A or 3B: approximately 2 quarts

Optional Tests

Bulk Density:	\$10.00
<i>(2- quart sample size required)</i>	
Particle Size: (2 in, 1 in., 5/8 in., 3/8 in., 1/8 in. sieves)	\$20.00
<i>(1- quart sample size required)</i>	
Respirometry: (CO ₂ Evolution)	\$85.00
<i>(1- pint sample size required)</i>	
Biological Assay (Seedling Emergence and Relative Growth)	\$70.00
<i>(1- quart sample size required)</i>	
Nitrate Nitrogen	\$15.00

Bulk Density Procedure for On-Site Determination

Materials:

Sampling Shovel, 5-gallon bucket, scale (common bathroom scale is acceptable).

Procedure:

1. Fill 5-gallon bucket one-half full, taking samples from various depths within pile.
2. Drop bucket 10 times from height of 6 inches.
3. Fill remaining portion of bucket approximately one-half full and repeat dropping process.
4. Fill bucket to brim and repeat dropping process.
5. Fill bucket to brim one more time. Do not drop.

Calculations:

1. Weigh bucket and compost and record weight: _____ lb
2. Subtract 2 lbs from weight of bucket and compost to obtain net sample weight: _____ lb
3. Multiply net sample weight by 40 to convert to pounds/cubic yard: _____ lb/yd³
4. Record this number on the front of this form.