

The US Composting Council's Seal of Testing Assurance Program: (How to Tell What Compost "is")

**Matthew Cotton
US Composting Council**





**Many feedstocks,
production methods,
technologies,
test methods,
units of measure,
lab result forms....**

The ‘industry’ and end users need continuity !





**US COMPOSTING
COUNCIL**

*Seal of Testing
Assurance*

If it isn't STA Compost..... What is it?

WHAT IS IT?

- **Compost testing and information disclosure program (logo program)**

PURPOSE...

- **To improve customer confidence in compost selection**
- **To enhance compost's position as a mainstream horticultural, agricultural and retail product**
- **To distinguish “compost” from other organics products**

STA PROGRAM GOALS:

- **To improve customer confidence in compost selection (and utilization)**
- **To improve overall customer satisfaction, as well as 'field' results**
- **To improve compost purchasing decisions**
- **To promote customer-oriented composters**
- **Move industry towards standardized test methods**

Promoting.....



...the appropriate product for a particular project, allowing for optimal 'field' results

**Promoting
the proper use
of compost products,
reduces failures
in the ‘field’ –**

**Which hurts
end users and
composters !**



BASICS - *Participating Composters will:*

- **Complete on-going product testing**
 - operate on-going sampling/testing regime
 - using uniform sampling and analytical testing methods (from the TMECC)
 - using only STA Program certified labs (list on website)
- **Disclose test data results (lab analyses) and provide appropriate end use instructions to end users**

** Treat compost like any other retail, horticultural, agricultural product marketed in the U.S.*

KEY PROGRAM ELEMENTS:

- **Specific compost information will be disclosed to customers (and the USCC) using a standardized form (*Compost Technical Data Sheet*)**
 - **Compost test analysis results**
 - **List of compost ingredients**
 - **End use instructions**



US COMPOSTING COUNCIL

Seal of Testing Assurance

Barnes – Regional Composting
3511 West Cleveland Ave.
Huron, OH 44839
Telephone: 800-421-8722
Fax: 419-433-3555

Sample Date: 8/14/02

COMPOST TECHNICAL DATA SHEET

Compost Parameters	Reported as (units of measure)	Test Results	Test Results
<i>Plant Nutrients:</i>	%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	Total N (TN or TKN+NO ₃ -N)	.72	1.12
Phosphorus	P ₂ O ₅	.13	.21
Potassium	K ₂ O	.32	.50
Calcium	Ca	2.34	3.64
Magnesium	Mg	.57	.89
Moisture Content	%, wet weight basis	42	
Organic Matter Content	%, dry weight basis	31.31	
pH	unitless	7.4	
Soluble Salts <i>(electrical conductivity)</i>	dS/m (mmhos/cm)	3.49	
Particle Size	screen size passing through	1/2"	
Stability Indicator <i>(respirometry)</i> CO ₂ Evolution	mg CO ₂ -C/g TS/day, AND	.14	
	mg CO ₂ -C/g OM/day	.5	
Maturity Indicator <i>(bioassay)</i> Percent Emergence, AND Relative Seedling Vigor	average % of control, AND	92	
	average % of control	86	
Select Pathogens	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.12(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:

New Lawns: Apply a 1-2" layer to soil and incorporate to a depth of 5-7", apply seed, then rake and water.

Flower Beds: Apply a 1-2" layer to soil and incorporate to a 6-8" depth. Condition soil this way every year to 2 years. Plant flowers and water.

Trees & Shrubs: Dig a hole 2/3 the depth of the root ball and at least twice as wide. Mix 1 part compost with 2 parts soil obtained from the planting hole. Place the tree or shrub in the planting hole and apply amended soil around the root ball. Firm soil occasionally and water.

Topsoil Manufacturing/Upgrading: Mix 1 part compost with 2 parts existing or purchased soil and blend uniformly.

Growing Mixes: Planter box or raised bed mixes can be produced by mixing 1 part compost to 1 part pine bark and 1 part soil, sand or expanded shale. Potting mixes should contain 1 part compost, 1 part peat moss or pine bark, and 1 part perlite, vermiculite, styrofoam, or other aggregate.

Mulching: Spread a 2-3" layer around trees, shrubs, and flowers. Always avoid placing mulches against plant trunks and stems.

Garden Beds (food crops): Apply a 1-2" layer to soil and till to a 6-8" depth. Reapply each year, or as per soil test recommendations.

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:

Yard trimming, food by-products

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 Barnes Nursery at 800-421-8722. 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>.



US COMPOSTING COUNCIL

Seal of Testing Assurance

Date Sampled/Received: 04 Nov. 02 / 05 Nov. 02

Composter Sample Report Address Texarkana TX 75504-2008
Product Identification: Compost Distribution Pile D-22

COMPOST TECHNICAL DATA SHEET for Texas DOT

LABORATORY: Soil Control Lab; 42 Hangar Way; Watsonville, CA 95076 tel: 831.724.5422 fax: 831.724.3188			
Compost Parameters	Test Results	Reported as (units of measure)	TMECC Test Method
Organic Matter Content	45.8	% dry weight basis	05.07-A Loss-on-Ignition Organic Matter Method (LOI)
pH	6.28	Unitless	04.11-A 1:5 Slurry pH
Soluble Salts (electrical conductivity)	2.98	dS/m (mmhos/cm)	04.10-A 1:5 Slurry Method Mass Basis
Particle Size	97.0 94.9	% dry weight passing through 5/8th inch screen and 3/8th inch screen	02.02-B Sample Sieving for Aggregate Size Classification
Stability Indicator (respirometry) CO2 Evolution	0.43	mg CO2-C/g OM/day	05.08-B Carbon Dioxide Evolution Rate
Maturity Indicator (bioassay) Percent Emergence	100	average % of control	05.05-A Germination and vigor Evolution rate
Relative Seedling Vigor	100	average % of control	05.05-A Germination and vigor
Select Pathogens (Fecal Cliform)	Pass	PASS/FAIL: Per US EPA Class A standard, 40 CFR 503.32(a)	07.01-B Fecal coliforms
Trace Metals	Pass	PASS/FAIL: Per US EPA Class A 40 CFR 503.13, tables 1 and 3.	04.06-Heavy Metals standard, and Hazardous Elements
Laboratory Batch Number: Nov.-3-02 Laboratory Number: 167917112934 Analyst: Frank Shields			



US COMPOSTING COUNCIL

Seal of Testing Assurance

Composter Name:



Washington State Department of Transportation

Sample Identification: _____
Date sampled/received: _____

COMPOST TECHNICAL DATA SHEET for Washington State DOT Projects

Compost Parameters	Specification Requirements			Test Results
	% dry weight passing through			
Size Classification	Sieve Size	Fine	Coarse	Sieve Size
TMECC 02.02-B	3"		100	3"
	2"	100		2"
	1"	99 - 100	90 - 100	1"
	3/4"		70 - 100	3/4"
	5/8"	90 - 100		5/8"
	1/4"	75 - 100	40 - 60	1/4"
	Maximum Particle Length 6"			Maximum Particle Length
pH TMECC 04.11-A "1:5 slurry pH"	6.0 min. and 8.5 max.			
Manufactured Inert Material TMECC 03.08-A "% Dry weight basis"	Less than 1.0%			
Organic Matter Content TMECC 05.07 A "Loss-on-ignition Organic Matter Method"	40% min.			
Soluble Salt TMECC 04.10-A "Slurry Method, Mass Basis"	Less than 4.0 mmhos/cm*			
Maturity Indicator TMECC 05.05 A "Germination and Vigor"	Germination: 80% or greater Vigor: 80% or greater			Germination: _____ Vigor: _____
Stability Indicator TMECC 05.08-B "Carbon Dioxide Evolution Rate"	7 or below			
Laboratory Batch Number:	Analyst:			
Laboratory Number:				

Customized for DOT inspectors, project managers

KEY PROGRAM ELEMENTS:

- **Participants will regularly sample and test their product using standardized protocols**
 - **Testing frequency is based on the volume of compost produced**
 - **1-6,250 tons** **1 per quarter**
 - **6,251-17,500 tons** **1 per 2 months**
 - **17,501 tons and above** **1 per month**

KEY PROGRAM ELEMENTS:

- **Participants will test for various parameters**
 - **pH, soluble salts, nutrients (N,P,K,Ca,Mg), moisture, organic matter, maturity (bioassay), stability (respirometry), particle size, pathogens & trace metals**
 - **All products will be required to meet 503 pathogen and trace metal requirements, as well as any state requirements**

KEY PROGRAM ELEMENTS:

- **Compost testing will be performed at STA Program approved labs**
- **Approved labs are required to use test method protocols from the TMECC manual and participate in the Compost Analysis Proficiency Program**
 - **Administered by Utah State University and managed by Bob Miller of Colorado State University**

STA Approved Labs

- Ag Analytical Services Lab – State College, PA
- A&L Canada Labs – London, Ontario
- A&L Great Lakes Labs, Inc. – Ft. Wayne, IN
- Colorado Analytical Lab – Brighton, CO
- Energy Laboratories, Casper, WY
- **Soil Control Laboratory – Watsonville, CA**
- Tarleton State University, Stephenville, TX
- Woods End Research Lab – Mt. Vernon, ME

Use proper sampling procedures, chain of custody form

Chain of Custody

STA Lab Contact Address City, St, Zip						Tel fax E-Mail http								Lab Use Only Cold Room
CLIENT Please fill out or staple business card						c.c. sent to								Shell #
Company						Company								Group #
Contact						Contact								Account #
Address 1						Address 1								Client #
Address 2						Address 2								
City, St, Zip						City, St, Zip								
Tel ()						Tel ()								
E-Mail						E-Mail								
www						www								
fax ()						fax ()								
SAMPLE Identification		Date Sampled	*STA *Program	Compost *Package	Soil *Package	PottingMix *Package	tests required	Other-1	Other-2	Other-3	Other-4	Other-5	Sample Condition	
1			x											
2														
3														
4														
5														
* call for information; * copies of report sent into STA program manager; check boxes above that apply													Notes:	
RELEASING			Date	Time	RECEIVING			Date	Time					
Releasing Signature 1					Receiving Signature 1									
Releasing Signature 2					Receiving Signature 2									
Releasing Signature 3					Receiving Signature 3									
Releasing Signature 4					Receiving Signature 4									
Special Instructions:														
1														
2														
3														
4														
5														

TMECC History

- **1st Draft of TMECC: 1995**
 - Developed during MN-CUP Project, 1993
- **TMECC Enhancement**
 - Added methods and parameters
- **Peer-Review of TMECC: 1998-2000**
 - Recruited 9 experts as team leaders
 - 71 experts participated in review
- **USDA's Working Draft: August 2001**
 - USGPO editorial review completion: 2002

KEY PROGRAM ELEMENTS:



- Participants can use the program logo in their in-house promotional activities
- Participants will be included in program sponsored educational activities



Work with Specifying Organizations and Companies

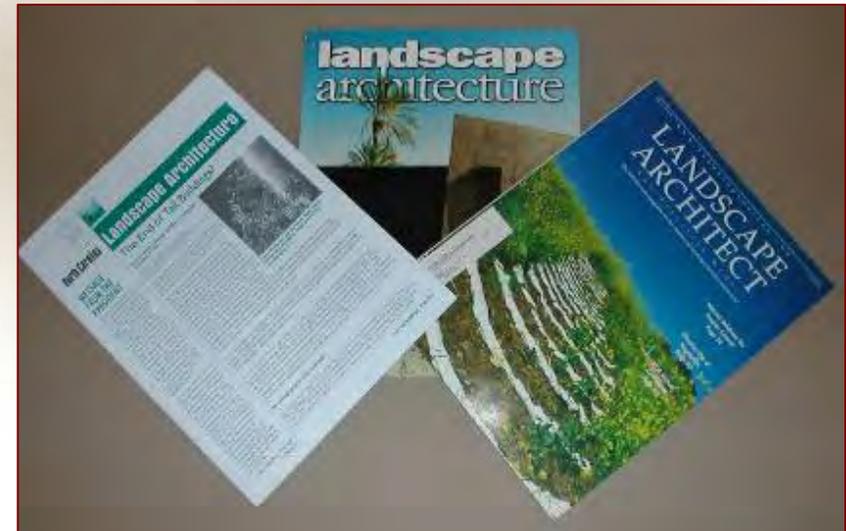


**RMRC /
AASHTO**

EPA

DOTs

Articles



**US COMPOSTING
COUNCIL**

Other Benefits

- **Acts as a framework to allow the implementation of established numerical product specifications**
- **Assists in the implementation of an inspection or quality verification program**
- **Can serve a quality control function (and provide promotional benefits) for composters**
- **Standardizes a set of test parameters (and methods) for use in evaluating compost product quality**

Seal of Testing Assurance Program Program 'Stats' – 8/06

- **Companies in the STA Program = 103**
- **Compost Products in the STA Program = 137**
- **Compost volume in the STA Program =
Approx. 2,429,290 tons, or
Approx. 4,858,580 cubic yards**
- **States with STA participants = 29**
- **Labs in STA Program = 8**

California Participants

- **BFI of Northern California – Milpitas**
- **CCL Organics LLC – Benicia**
- **Engel & Gray, Inc. – Santa Maria**
- **Grover Environmental – Modesto**
- **Norcal Waste Systems – Marysville, Vacaville,
Gilroy**
- **San Joaquin Composting Inc. - Lost Hills**
- **Sun-Land Garden Products - Watsonville**
- **Synagro – Corona**
- **Z-Best Products - Gilroy**

State DOTs Requiring STA Certification

- **California**
- **Georgia**
- **Iowa – pending**
- **New York State – pending**
- **Pennsylvania**
- **Texas**
- **Washington State**

***US Composting Council
Seal of Testing Assurance Program***

If it isn't STA Compost...what is it?

Contact: Al Rattie, 215-258-5259

Ron Alexander, 919-367-8350

Program Managers



You're Not Alone !

- **Compost use by DOTs in landscaping and erosion control applications has become widespread**
 - **Have been excellent field results**
- **STA requirement is becoming more popular with 'specifying' agencies**

EXAMPLES



DOT ‘Soil Amendment’ Compost Use Data

- **31 states with compost, or related, specs**
- **26 spec for soil amending and topsoil manufacturing, 11 for planting backfill**
- **Specify by name (compost) or through “special provisions”**
- **Allow various feedstocks (some restrict)**

(2001 data)



Many Applications



US COMPOSTING
COUNCIL

DOT 'Erosion Control' Compost Use Data

- **10 states allow compost, and related products, for erosion control**
 - CA, CT, ID, ME, MI, MT, OR, TX, VA, WA
 - **Allow various feedstocks**
 - Yard trimmings (7), biosolids (5)
 - Food, manure, agricultural residuals (3)
 - Wood, forestry residuals, unspecified (on list) (2)
 - MSW (1)
- (2001 data)**

California Erosion Control Research

- **1993 – Evaluation of Compost on Landscaped Freeway Roads (Caltrans)**
- **2000-2005 – Various Roadside Vegetation and Management Studies (Cal Poly State University)**
- **2002 Use of Compost and Co-Compost as a Primary Erosion Control Material (Univ. of California, Davis)**

Lots of research to justify/back-up the use of compost in erosion control (and many other roadside) applications



PROGRESSION...

Successful Compost Erosion Control States

- **California**
- **Iowa**
- **Maine**
- **Minnesota**
- **Oregon**
- **Texas**
- **Virginia**
- **Washington**



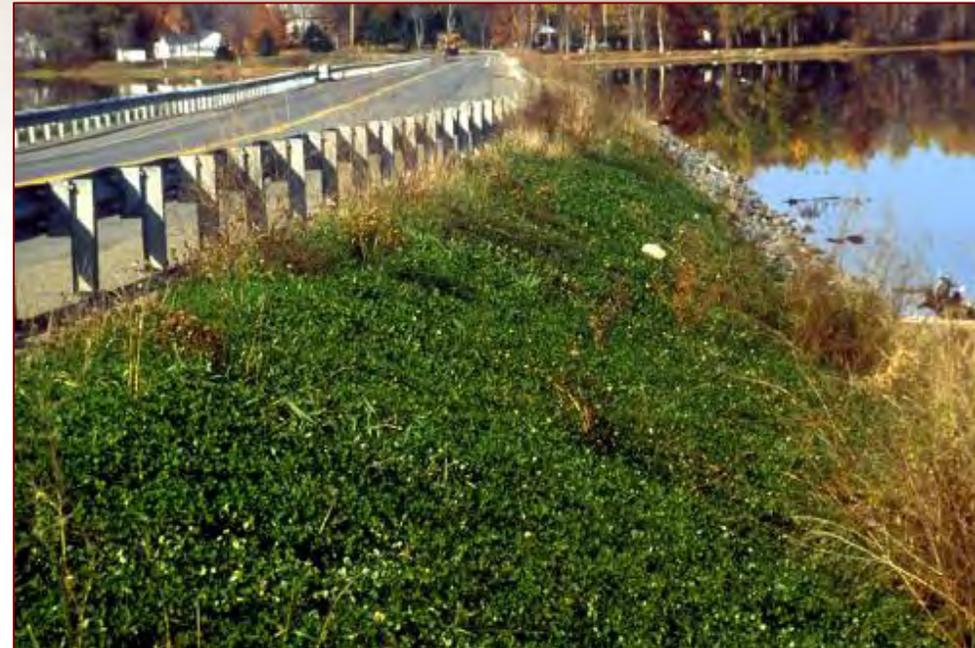
Compost Usage of Compost in Erosion and Sediment Control



Clyde Walton

Maine DOT – Maintenance & Construction responsibilities

Started with Compost Blanket Applications





Compost Filter Berms, then Socks

Standard Specifications for Compost for Erosion/Sediment Control

• **Compost Blankets** **MP-10**

• **Filter Berms** **MP-9**



**American Association of State Highway and Transportation Officials
444 North Capitol Street N.W., Suite 249
Washington, D.C. 20001**

Landmark Dates

- **Maine DOT – usage dates back to 1989 (RCS)**
- **Portland Metro research and report (W&H Pacific) – 1993/4**
- **University of CT berm research – 1998-2001**
- **AASHTO blanket and berm specifications (RMRC report) – 2003**
- **USEPA endorse specifications – 2006**
- **AASHTO filter sock specification - 2006**

The Texas Experience



Barrie Cogburn
Landscape Architect
TxDOT Design
Division



Scott McCoy
Program
Specialist
TNRCC

Item 1027: “Furnishing & Placing Compost”

- Erosion Control Compost
- General Use Compost
- Compost for Manufactured Topsoil

Item 1034: “Mulch/Compost Filter Berm for Erosion & Sedimentation Control”



Special Specification Item 1027: “Furnishing & Placing Compost”

- **Erosion Control Compost**
- **General Use Compost**
- **Compost for Manufactured Topsoil**

*Having great success,
and wanted to protect it*



Dallas/Spur 408 Demonstration August 1999 / May 2000



Changes to the TxDOT Specification

- **No more Solvita field test**
- **TMECC test methods**
- **All compost must be Seal of Testing Assurance certified**



Item 1058 Compost 2. Materials.

Provide compost meeting all applicable United States Code of Federal Regulations (CFR), Title 40, Part 503 standards for Class A biosolids and Texas Commission on Environmental Quality (TCEQ) health and safety regulations as defined in the Texas Administrative Code (TAC), Chapter 332, including the time and temperature standards in Subchapter B, Part 23. Meet the requirements of the USCC Seal of Testing Assurance (STA) program.



Before delivery of the compost, provide QC documentation that includes the following:

- the feedstock by percentage in the final compost product,
- a statement that the compost meets federal and state health and safety regulations,
- a statement that the composting process has met time and temperature requirements,
- a copy of the producer's STA certification, and
- a copy of the lab analysis, performed by an STA-certified lab, verifying that the compost meets the requirements of Table 1.

ABC Compost Specialist
 123 Compost Way
 Anyplace Texas 12345

Dear Sirs/Madam,

In accordance with the Texas Department of Transportation (TxDOT) Special Specification Item 1027, "Furnishing and Placing Compost", I affirm the following under (3) Documentation.

- (A) The compost contains a minimum of 65% by volume of recycled materials.
- (B) A list of feedstock by percentage in the final compost product:
 - 1.
 - 2.
 - 3.
 - 4.
- (C) The compost meets federal and state health and safety regulations.
- (D) The compost meets time and temperature requirements.
- (E) A copy of the lab analysis less than 3 months old and that the compost meets the physical requirements described in Table 1 in Special Specification Item 1027.

 Scott Compost, President ABC Compost Specialist
 Signature Before a Notary Public

Date:

 Notary Public Signature and Seal

Date:



US COMPOSTING COUNCIL
Seal of Testing Assurance

Composter	
Sample Report	
Address	
Texarkana	
TX 75504-2008	
Product Identification:	Compost
Distribution Pile D-22	

Date Sampled/Received: 04 Nov. 02 / 05 Nov. 02

COMPOST TECHNICAL DATA SHEET for Texas DOT

LABORATORY: Soil Control Lab; 42 Hangar Way; Watsonville, CA 95076 tel: 831.724.5422 fax: 831.724.3188			
Compost Parameters	Test Results	Reported as (units of measure)	TMECC Test Method
Organic Matter Content	45.8	% dry weight basis	05.07-A Loss-on-Ignition Organic Matter Method (LOI)
pH	6.28	Unitless	04.11-A 1:5 Slurry pH
Soluble Salts (electrical conductivity)	2.98	dS/m (mmhos/cm)	04.10-A 1:5 Slurry Method Mass Basis
Particle Size	97.0 94.9	% dry weight passing through 5/8th inch screen and 3/8th inch screen	02.02-B Sample Sieving for Aggregate Size Classification
Stability Indicator (respirometry) CO2 Evolution	0.43	mg CO2-C/g OM/day	05.08-B Carbon Dioxide Evolution Rate
Maturity Indicator (bioassay) Percent Emergence	100	average % of control	05.05-A Germination and vigor Evolution rate
Relative Seedling Vigor	100	average % of control	05.05-A Germination and vigor
Select Pathogens (Fecal Cliform)	Pass	PASS/FAIL: Per US EPA Class A standard, 40 CFR 503.32(a)	07.01-B Fecal coliforms
Trace Metals	Pass	PASS/FAIL: Per US EPA Class A 40 CFR 503.13, tables 1 and 3.	04.06-Heavy Metals standard, and Hazardous Elements
Laboratory Batch Number: Nov.-3-02		Laboratory Number: 167917112934	
Analyst: Frank Shields			



STA Certified Compost Suppliers in Texas

Angelina & Neches River Authority

Back to Nature, Inc.

Black Gold Compost

City of Denton

City of Plano

Garden Success, Inc.

Garden-Ville

Geosource, Inc.

Living Earth Technologies

Natural Fertilizer Company

New Earth LLC

O'Neal's Compost

Organic Residuals Reclamation, LLC

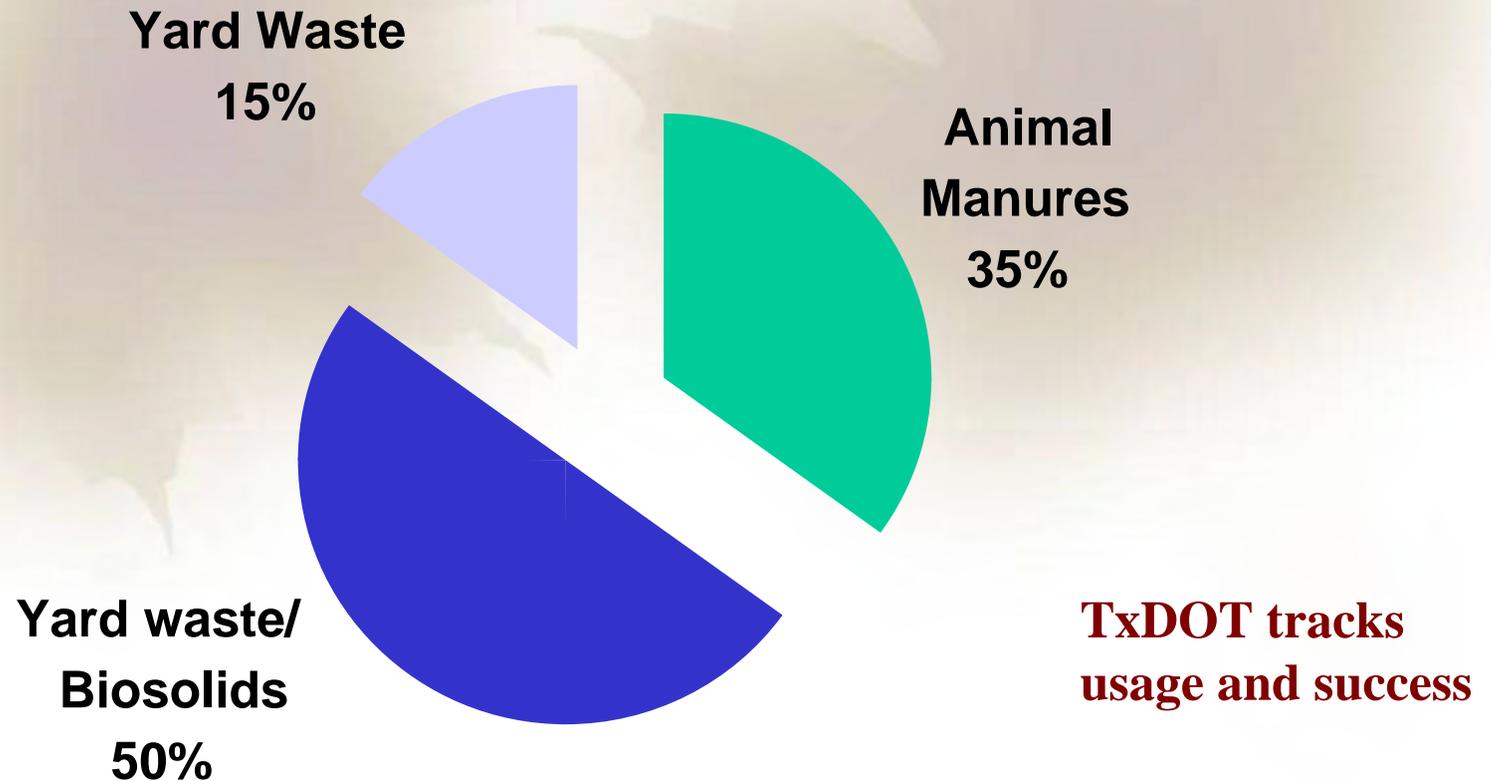
R.J. Smelley Company

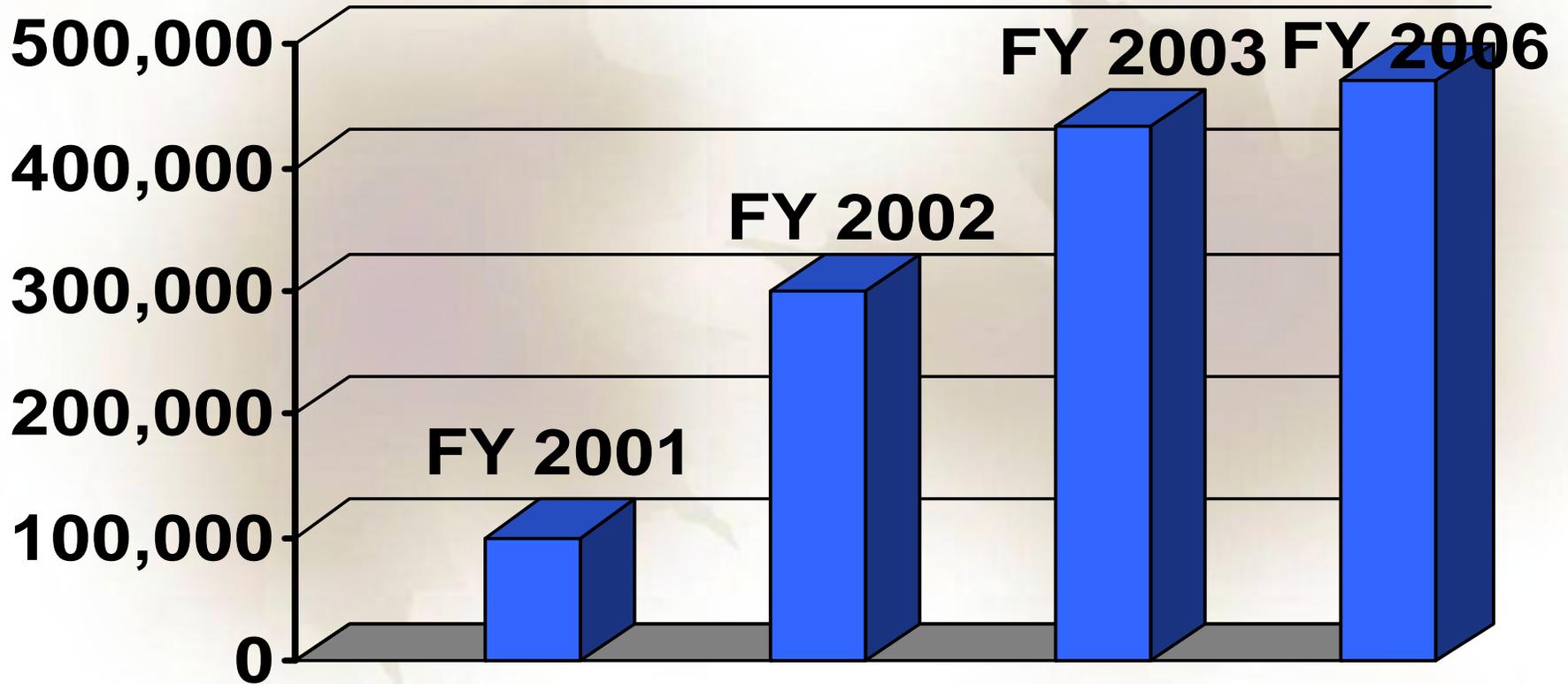
Texarkana Water Utilities

**Composter Certification is Tracked by TxDOT on USCC/STA websites*



Types of Composts Being Utilized by TxDOT





Cubic Yards of Compost Specified (FY)

Seal of Testing Assurance Program

TEXAS GROWTH

2000 – 2002

- 4 composters

2003

19 new
23 total

2004

- 8 new
- 31 total

2006

8 new
39 total



2002 AASHTO
President's
Transportation Award

Build it and they come (join)



Taking similar steps in CA..

- **BFI of Northern California – Milpitas**
- **CCL Organics LLC – Benicia**
- **Engel & Gray, Inc. – Santa Maria**
- **Grover Environmental – Modesto**
- **Norcal Waste Systems – Marysville, Vacaville, Gilroy**
- **Rossi Transport Service – Templeton**
- **San Joaquin Composting Inc. - Lost Hills**
- **Sun-Land Garden Products - Watsonville**
- **Synagro - Corona**

 US COMPOSTING COUNCIL <i>Seal of Testing Assurance</i>		#REF! #REF! #REF! #REF!	
		#REF!	
Product Identification:		#REF!	
Date Sampled/Received:		#REF!	
COMPOST TECHNICAL DATA SHEET for Caltrans			
LABORATORY:			
Compost Parameters	Test Results	Reported as (units of measure)	TMECC Test Method
pH	0.00	Unitless	01.11-A 1.5 Slurry pH
Soluble Salts (electrical conductivity)	#DIV/0!	dS/m (mmhos/cm)	04.10-A 1.5 Slurry Method Mass Basis
Moisture content		%, dry weight basis	03.09-A - Total Solids and Moisture (at 70 ± 5C)
Organic Matter Content	0.0	%, dry weight basis	05.07-A Loss-on-Ignition Organic Matter Method (LOR)
Maturity Indicator (bioassay) Percent Emergence Relative Seedling Vigor		average % of control average % of control	05.05-A Germination and vigor
Stability Indicator	NA	mg CO ₂ -C/g OM/day	05.08-B Carbon Dioxide Evolution Rate
Particle Size		%, dry weight passing through	02.02-B Sample Sieving for Aggregate Size Classification
Pathogens		PASS/FAIL - Per US EPA Class A standard, 40 CFR 503.31(a)	07.01-B fecal coliforms
Pathogens		PASS/FAIL - Per US EPA Class A standard, 40 CFR 503.32(a)	07.02 Salmonella
Physical Contaminants		%, dry weight basis	02.02-C - Man-Made Inerts Total content
Physical Contaminants		%, dry weight basis	02.02-C - Man-Made Inerts - Shards content
Heavy Metals Content	#DIV/0!	PASS/FAIL - Per US EPA Class A, 40 CFR 503.13, tables 1 and 2.	04.06-Heavy Metals standard and Hazardous Elements
<p><i>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.</i></p>			
<p><i>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.</i></p>			
<p><small>This compost product has been sampled and tested as required by the Seal of Testing Assurance Program on 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 contacting the compost producer (address at top of page). The USCC makes no warranties regarding this product or its content, quality, or suitability for any particular use.</small></p>			
Laboratory Batch Number:	May-1Misc-06	Laboratory Number:	
Analyst:			



US COMPOSTING
COUNCIL

Costs for Participation

- **Annual participation fee of \$650/non USCC member, \$500/member + testing costs (\$300 - \$400/sample)**
 - Participation fee covers program management and promotional activities
- **Cost estimates**
 - 10,000 yd³ composting facility - \$.12 - .20/yd³
 - 50,000 yd³ composting facility - \$.05 - .10/yd³

MAKE PLANS NOW TO ATTEND THE 15TH ANNUAL CONFERENCE IN ORLANDO, FLORIDA! JANUARY 2007!

The Largest Composting Conference and Exhibition Targeted for the Composting, Wood Waste, and Organics Recycling Industry in North America

The Only Composting Conference and Exhibition Run by and for Composting and Wood Waste Professionals

Exhibitor Information, Equipment Demonstration Opportunities, Sponsorship Opportunities & Registration Forms are available at www.compostingcouncil.org or call the USCC at 631-737-4931

CURRENT CONFERENCE SPONSORS

Cortec Corporation

Waste Handling & Equipment News

Specialized Environmental Technologies

Resource Recycling Magazine

MSW Management Magazine

Heritage Bag Company

BioCycle

Continental Biomass Industries

Green Roofs for Healthy Cities

Forest Products Equipment

Composting News

BASF

Cedar Grove Composting

Scarab Manufacturing

Filtrexx International

Amadas Industries

Scotia Machinery

EKO Compost

A-1 Organics

ALLU Group

Synagro

Garick Paygro Division

Barnes Nursery, Inc

ROTO-MIX



US Composting Council

Voice of the US Composting Industry