Compost Marketing: Strategies for Success

Northeast Recycling Council, Inc.
Athena Lee Bradley
Getting Started
Market Beginnings

- Are you committed to manufacturing a marketable compost product?
- Do you have a business & marketing plan?
- Do you know what compost is? The composting regulations?
- Is your compost site appropriate?
Compost is...

- Value-added product
  - Converts waste material to easy-to-handle, useful product
- Soil-like material, rich in organic matter & organisms
- It is not: mulch, fertilizer, manure, peat moss, topsoil
- It is not just one product!
- A manufacturing process
Benefits of Compost on Soil

Improves Physical Properties: Increases water retention; improves soil aeration and structural stability; resistance to water and wind erosion; root penetration; soil temperature stabilization.

Enhances Chemical Properties: Increases macro- and micronutrient content; availability of beneficial minerals; pH stability; converts nutrients to a more stable form, reducing fertilizer requirements.

Improves Biological Properties: Increases the activity of beneficial micro-organisms; promotes root development; can increase agricultural crop yields; suppresses certain plant diseases; acts as biofilter, bonding heavy metals.
Quality Counts
Best Management Practices

- Produce desired quality compost in shortest time possible with...
  - Minimum odors
  - Minimum environmental impacts
  - Minimum process-related problems
- Efficient Materials Movement
  - Nothing should move more than twice in its same physical condition
  - Move in as linear a fashion as site constraints allow
  - Timing production

Your Bottom Line…
Start with the Feedstocks

- Control is key! Is it difficult to handle?
- Does it fit your recipe? End product goal?
  - Is the particle size right? Does it need grinding?
- Is it relatively free of contaminants?
- Generated regularly in volumes your site can handle?
- Will generators pay a “tip fee” or purchase material?

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### Matching Feedstocks and Compost Products

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Good</th>
<th>Not So Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mulch/Erosion control</td>
<td>Bark, wood, lumber, green organics, brush</td>
<td>Manure, biosolids mushroom</td>
</tr>
<tr>
<td>Soil amendment– field, turf soil, sod, landscape beds</td>
<td>Green organics, manure, biosolids, food, mushroom</td>
<td>Wood</td>
</tr>
<tr>
<td>Topdress – turf and field soils</td>
<td>Manure, grass, leaves, food, screened biosolids &amp; green organics</td>
<td>Wood, unscreened green organics,</td>
</tr>
<tr>
<td>Soil amendment – organic agriculture</td>
<td>Manure, green organics w/o pesticides</td>
<td>Biosolids, grass w/ pesticides</td>
</tr>
<tr>
<td>Land reclamation/landfill</td>
<td>Contaminated green organics, MSW</td>
<td>Clean, nutrient &amp; OM rich</td>
</tr>
</tbody>
</table>

Source: Rynk, SUNY Cobleskill
The Operation

- **Site layout**
  - Show customers your end product...not your feedstock unloading/mixing area
  - Move your oldest product first!

- **Neat site appearance!**
  - Product image reflects your operation
  - No weeds!
  - Deal effectively with leachate/ponding
  - View from road?
The Operation, cont.

- **Good Neighbor Strategy**
  - Know your neighbors & keep them happy
  - Give them compost!
  - Respond appropriately to complaints

- **Grinding, screening, bagging?**
  - Does your end product goal require it?
  - Can you afford it?
Distribution & Your Bottom Line

- Onsite sales
  - Be prepared to load
  - Creative packaging: buckets

- Outside haulers
  - Know the DOT rules!
  - Delivery fees, surcharges, & hidden costs

- Inside hauler
  - Know the DOT rules!

  *Economics will be an increasing factor as gas prices rise.*
Bagging vs. Bulk

- Customer convenience: retail markets—home owners, garden centers, farmers markets
- Added cost and labor may not offset revenues
- Capital investment can be high & demand large volume sales
- Truckers & outlets must handle pallets
- Bagged market is seasonal & competitive
- Bags require labeling; may require registration
Quality…

Defined in relation to its use

A compost product that is good for one use, may not be appropriate for another.

- Educate yourself and know the specifications/customer’s needs.
- One poor batch of compost sold is difficult to overcome.
Quality Assurance

- Know & meet the quality requirements for your end market
- Observe, monitor, sample, analyze, test
- *Keep accurate compost records*
  - Track feedstock sources, materials, problems
  - Track lot numbers, problems
  - Track turning frequency, temperature
  - Odor issues
- Train your staff
Product Quality Certification

- Seal of Testing Assurance ("STA"/USCC)
- Woods End R.L./Rodale Quality Seal
- Soil Foodweb
- Organics/"Approved" for use

- University Test
- Other
Why Test? Why Certification?

- Determines conformance with application specifications.
- Standardization of products, practices, & applications.
- Helps to improve customer confidence in the compost product and its utilization.
- Helps compost users purchase the product they need for a particular project.
- Gets customers to learn the characteristics of compost products they purchase.
Compost Markets
Factors Affecting Compost Demand & Sales

- Product quality
- Performance consistency
- Product availability (meeting demand)
- Economics of transportation & distance to markets
- Economics & challenges associated with compost application
- Industry standards and specifications
Market Options

- Erosion Control & Reclamation
- Agricultural applications
- Topsoil
- Nurseries/Silviculture
- Sod production
- Turf grass
- Public Works
- Construction sites
- Landfill cover
- Marginal soils

- Biofiltering
- Direct marketing
- Retail sales
- Landscapers and Lawn Care Companies
- Golf Courses
- Greenhouses
- Rainwater filters
- Roof top gardens
- Compost socks

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Retail Markets
Garden Centers

Sports Turf
Landscapers Grounds Crews

Wholesale Nurseries*
Organic Agriculture*
Floriculture & Greenhouses*

Topsoil Blenders
Erosion Control
Residential & Commercial Turf
Road Construction & Maintenance

Sod Farms
Land Reclamation
Agriculture
Silviculture
Landfill Cover

Source: Rynk, SUNY Cobleskill
Value Markets
Retail and Landscapers
Vineyards
Organic Agriculture
Volume Markets

Photo: Fulford, City Soil & Greenhouse Co.
Top Soil Producers
Agriculture
Erosion Control
Niche Markets
Seeded Compost Blanket
Compost Socks
Vermiculture
# General Character of Compost Products

<table>
<thead>
<tr>
<th>CHARACTERISTIC PRODUCT</th>
<th>Nutrients (N)</th>
<th>Particle Size</th>
<th>Maturity</th>
<th>Salts</th>
<th>Contamination</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mulch/Erosion control</td>
<td>Low</td>
<td>Large</td>
<td>Mod.</td>
<td>Mod.</td>
<td>None</td>
<td>Mod.</td>
</tr>
<tr>
<td>Soil amendment–field, turf soil, sod, landscape beds</td>
<td>Mod.- high</td>
<td>Mod.</td>
<td>Low-mod.</td>
<td>Mod.</td>
<td>Low</td>
<td>Mod. - high</td>
</tr>
<tr>
<td>Top dress – turf &amp; field soils</td>
<td>Mod.- high</td>
<td>Small</td>
<td>Mod.</td>
<td>Mod.</td>
<td>Mod.- high</td>
<td>Mod.</td>
</tr>
<tr>
<td>Soil amendment – organic agriculture</td>
<td>High</td>
<td>Mod.</td>
<td>Mod.- high</td>
<td>Low-Mod.</td>
<td>Mod.- high</td>
<td>Mod.</td>
</tr>
</tbody>
</table>

Source: Rynk, SUNY Cobleskill
### Character of Products, Cont.

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>Nutrients (N)</th>
<th>Particle Size</th>
<th>Maturity</th>
<th>Salts</th>
<th>Contamination</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potting soil</td>
<td>Low</td>
<td>Small-mod.</td>
<td>High</td>
<td>Very low</td>
<td>None</td>
<td>High</td>
</tr>
<tr>
<td>Topsoil, manufactured soil</td>
<td>Low-mod.</td>
<td>Small-mod.</td>
<td>Low</td>
<td>Mod.-high</td>
<td>Low</td>
<td>Low-mod.</td>
</tr>
<tr>
<td>Land reclamation</td>
<td>Low-mod.</td>
<td>Small-large</td>
<td>Low</td>
<td>Low-mod.</td>
<td>Mod.- high</td>
<td>Low</td>
</tr>
<tr>
<td>Landfill cover</td>
<td>Low-mod.</td>
<td>Small-large</td>
<td>Low</td>
<td>Mod.- high</td>
<td>Low</td>
<td>Low</td>
</tr>
</tbody>
</table>

Source: Rynk, SUNY Cobleskill
Factors To Consider In Marketing

- **Nutrient Value**: NPK, Consistency
  - Ingredients promoted?
- **Particle Size**: Appropriate for the targeted end market? Finer or coarser?
- **Weight**: Consider applications—blower or spreading equipment?
- **Test Results**: Are these provided?
Factors, Cont.

- **Biological Features**: Beneficial fungal and bacterial activity? Stable?
- **Packaging**: Bulk or packaged?
- **Alternative Markets**: Blending?
- **Availability**: Production timeline to meet the needs of users?
- **Transportation & Complimentary Services**: Pick-up or delivery services? Spreading, equipment rental?
Other Marketing Considerations

- Compost production is continuous & in all seasons
  - ...is not based on market demands
- What you make must move, regardless of market demand
- Your product will change over time, so may impact product consistency and quality
- Tip fees may help
Marketing Basics
What is Marketing?

- Price, promotion, & distribution to satisfy customer needs & wants
- Analyze market outlets
- Identify problems, issues, & solutions
- Niche products or markets to better compete
- Build/retain a growing base of consumers
  - Repeat customers are essential!

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Marketing Plan

Marketing:

- Essential component of business & business plan
- Financial lenders want accurate information

Clear understanding of:

- Production
- Capital requirements
- Costs
- Market segments
- Alternative markets
- Sales potential
- Customer needs & purchasing habits
- The competition
Market Goal

Number of Potential Users in Your Core Market Area
\times \text{Average Use per Customer}
\times \text{Your Market Share Goal}

= Volume of potential Market Sector
Why Market/Product Research?

- Determine quality expectations/specifications
- Estimate the quantity of compost product purchased for target markets
- Identify competing/substitute products
- Evaluate marketing, packaging, & distribution options
- Identify customer preferences
- Determine compost use & purchasing cycles
Conducting Market Research

- Investigative research
- Targeted wholesale market or retail survey
  - Greenhouses, nurseries, landscaping contractors, landscape architects, retail garden centers
- Targeted market survey of agricultural users
- Research state DOT
- In-person interviews of users & potential direct market customers
- Rate & rank customer prospects
Conducting Research, cont.

- Specifications: DOT, USCC, Agresource
- Observation
- Test market your product
  - Small bulk quantities to potential customers for growth trials and demonstration purposes
  - Set up a demonstration garden
  - Try to make the test situation resemble how you plan to market your product
Results of Market Research

- Type of compost product your operation can produce
- Applications for which your product is suited
- Anticipated characteristics: nutrient content, consistency, texture, & contaminant levels
- Complementary services you can offer
- Types & locations of feedstocks
Market Research, cont.

- Potential target and niche markets
  - Products required for different markets
- Processing system & right equipment
  - Grind or screen? Bag?
- Production schedules to meet demand
- The Competition

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Target Marketing

- Dividing customers into “market segments”
- Product, price, place (distribution), promotion
- Modifying product positioning & mix for today’s economy
  - DOT/development: road projects
  - Home food production and landscaping
  - Sell a new service: turf top dressing, erosion control, storm water management
- Become a partner to your customer

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Market Segmentation

- Geographical segmentation
  - Needs of customers in your geographical area?
  - What geographic area will the business serve?
  - How far will customers drive to purchase compost?

- Customer segmentation
  - Know your clientele: Who is most likely to buy your compost product?
  - Expectations of target group: quality, service, product mix, convenience, & price?
Marketing Mix: “Four P’s”

- **Product.** Right product for your customers
  - Quality, benefits, features, brand, packaging, etc.

- **Price.** Right product offered at the right price

- **Place.** Right product at the right price available in the right place to be purchased by users

- **Promotion.** Making potential customers aware of the product, its price, and availability
Sales Pitch
What is Value?

Something associated with your product that is not an ingredient and that customers want and trust.

“Value-added Product”

Greater value, thus customers will pay more
Starting Out…

- Get your product in front of as many potential customers as possible – even if it’s at a small profit margin
  - Work on increasing customer base, sales volume, product value
- There are times of the year when no one needs compost
  - Storage and planning for spring
  - Developing potential fall-winter markets
  - Revenue from tip fees
Sell More Product

- Sell your brand name (not “compost”)
  - Labels, signage, branded apparel
  - Product use sheets
- Local and environmental benefits
- Benefits & delivered features: factual statements & favorable attributes
  - Compost Gold contains 10% organic matter. Organic matter helps improve soil water holding capacity...
  - Sell results – “great tomatoes with just one handful...”

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Sell Out of the Box

- Look for free advertising
  - Demonstration gardens
  - Educational seminars
  - Social Media

- Customer tailored
  - “Specialty homeowner blend”
  - Potting soil sold small bags or buckets
  - Local

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Out of the Box, cont.

- Unconventional & unexpected
  - Nurture product placement
  - Strategic partnering – “your compost with a plant”
  - Complimentary products: mulch & compost
  - Complimentary services: equipment rental
  - Back-haul opportunities

- Mix of products
Sell Your Product’s Value

- Enhance the perceived value of the product
  - Product guarantee
  - List all product’s attributes
  - Let your packaging/labels/signage work for you
  - Demonstrate product value
    - Looks good, sturdy
    - Convenient size, volumes
- Use the “Seal”
  - USCC, Organic, others
- Testimonials, high profile customers

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Take Advantage over Competing Products

- Product mixes: soil blends
- Screen compost “overs” as mulch replacement or bark diluting agent (to extend the supply of raw bark)
- Increasing use of compost in Ag markets as fertilizer prices rise
- Lime replacement
  - Calcium Carbonate Equivalency (CCE) test
Attributes of a Successful Compost Supplier

- Product appearance, features, quality, packaging, presentation
- Function & benefits for the consumer
  - “What’s in it for me?”
  - Customers are “buying a solution”
- Customer support
- Shameless Promotion!!
Attributes...

- Name recognition: customers know it and trust it
- Consistency in brand promotion
- Produce a product that is “fit for a purpose”
  - Meets technical requirements for specific application
  - Good general qualities
  - Specialty Compost Products
Meeting the Customer’s Needs

- How will the compost be used?
- Are there project goals to be met?
  - Increasing soil organic matter by x%
- What are the competing products?
  - Can you outperform them?
- How will the product be delivered and applied? Other services to be provided?
- When is the product needed?
Bundle of Goods and Services

- Complimentary Tools & Services
  - Delivery
  - Landscaping
  - Turf management
  - IPM
  - Planting
  - Top dressing
  - Equipment rental: spreaders

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Pricing Strategy

- Price to make a fair profit and be competitive
  - High quality, higher price
  - Larger volume, lower quality, lower price
  - Provide quality product for lower price or perceived better value

- Some pricing strategies
  - **Cost-plus**: Affix a percentage product above the determined cost of compost production
  - **Value-based**: Determined by the purchaser’s perception of the value of the product
  - **Competitive**: Pricing is determined by the price of competing products
  - **Skimming**: Pricing the product at a higher price to appeal to a more specialized market
Pricing Strategy, Cont.

- Provide a buying incentive or discount for additional product purchases
  - Avoid straight discounts (such as 10% off)
  - *Use “Buy one, get one free,” or*
  - “Buy one, and get a second one at half off”
How to Determine Your Price

- The competition
- Costs of production
- The quality of the product offered
- Services/convenience provided with your sales
- Types of buyers targeted
How to Determine Price, cont.

- Level at which a product will sell, and...
  - Is comparable to other competing brands.
  - Is higher than the average cost of production.
Selling Considerations

- Selling direct to end users (retail sales) maximizes revenues
- Price reflects...
  - Supply and Demand
  - Value and Service
What Goes on a Label/Promotion

- NPK
- pH
- Organic matter
- Salts
- Feedstocks/Ingredients
- How to use/Applications
What’s on the Label?

*Good things from the earth and sea!*

The ultimate Organic Potting Soil, Ocean Forest is a powerful blend of premium earthworm casts.... Perfect for containers and ready to use right out of the bag. Start your seedlings with Ocean Forest and watch your plants come alive!

**Unique Features:**
- Super medium for seeds & seedlings
- pH adjusted for optimum nutrient intake
- No fertilizers needed for up to 30 days
- Light texture for aeration & drainage
- Ideal for container gardens & houseplants
- Environmentally friendly
Black Gold® Garden Compost is an all-purpose, naturally-rich mulch used as a top dressing for outdoor gardens or as a seed cover for new lawns. Can also be used to break up heavy clay soils or improve water holding capacity in sandy soils. Give it a try! Your plants will become the envy of the neighborhood. Listed by the Organic Materials Review Institute (OMRI) for organic production.

**Ingredients:**
This product is regionally formulated and is a blend of 35-45% well-aged decomposed organic matter, processed softwood bark, Canadian Sphagnum peat moss, (and one or more of the following: processed rice hulls, composted peanut hulls, or processed forest products.) Contains NO sludge or bio-solids.
What’s in a Name?!

Superior Products - Seacoast Farms Organic Compost - New Hampshire's Own

Introducing Our Newest Product, 'PayDirt'

Seacoast Farm's compost is accepted by the State Department of Agriculture for use on certified organic farms and in organic planting applications. Our compost is compliant with NOP Section 205.203(c)(2).

Our manufactured topsoils include two basic products:

Natural organic compost and our specially blended Superloam, a blend of our compost and finely graded loam to create a supercharged lawn foundation. Both products have significant benefits over standard loam.
What to Advertise

- Information about your product
  - Ingredients
  - Test results
  - Certifications

- Educational Information
  - “How to use”
  - Applications

- Specifications

- Customer testimonials

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Tools

- Website
- Internet listings
- Social Media
- Print material
  - Business cards
  - Postcards, magnets
  - Mailing list
  - Labels
  - Brochure
- Farmer’s Markets
- Demonstration gardens
- Seminars/Workshops
- Traditional advertising
- “Local Shopper”
- PR/News media
Website

- Gives the business a professional touch
- Helps people to find you
  - No one uses a telephone book...
- Easy opportunity to educate your customers, answer their questions
  - Has it been tested? What’s in it? How to use it?
- Clear, concise, easy to read, fun!
  - Operation photos
Social Media = Free Advertising

- Facebook
- Twitter
- Blogs
- YouTube
- Flickr
Today’s “social media” Customer: The process is now about Creating Conversation.

- One-way provide-and-receive information relationships have given way to conversations.
- This is not a “good” or a “bad” thing but it is a profound change with many implications.

Source: Joe Shoenfeld
Good Practice Examples

- HelpMeCompost.com
  - www.helpmecompost.com
- Non-profit: The Food Project
  - www.thefoodproject.org
- Non-profit: Nature Conservancy
  - www.nature.org
- Government: USDA
  - www.usda.gov
Public Relations

- Create a public relations plan.
  - Let your neighbors know how you will address potential problems at your facility
  - Be ready to respond if problems occur and identify possible changes
  - Engage in open dialogue
  - Be ready to engage the press
Public Relations, cont.

- Know your records, process, problems
- Be able to address odor issues quickly and effectively
- Be aware of other potential complaints: vectors, birds, dust, traffic, noise, water contamination
- Effectively address visual aesthetics
### How Much Compost to Use

- Estimate the planting area (Math Hint: Square feet = length x width)
- Decide upon the appropriate application depth of the compost (page 4)
- Use the charts below to estimate your compost needs. (Abbreviations: ft = foot; yd = yard; sq = square; cu = cubic.)
- Conversions: 9 square feet = 1 square yard; 27 cubic feet = 1 cubic yard.

#### Question: I have a plot about this big, how much compost do I buy?

<table>
<thead>
<tr>
<th>Plot Size</th>
<th># of Sq Feet</th>
<th>1/2” Deep - Mulching or Top-dressing</th>
<th>2” Deep - Amending new lawns or gardens</th>
</tr>
</thead>
<tbody>
<tr>
<td>5’ x 10’ plot</td>
<td>50 sq ft</td>
<td>2.08 cu ft of compost</td>
<td>8.33 cu ft of compost (0.31 cu yd)</td>
</tr>
<tr>
<td>10’ x 10’ plot</td>
<td>100 sq ft</td>
<td>4.17 cu ft of compost</td>
<td>16.66 cu ft of compost (0.62 cu yd)</td>
</tr>
<tr>
<td>20 x 50’ plot</td>
<td>1000 sq ft</td>
<td>41.7 cu ft of compost</td>
<td>166.7 cu ft of compost (6.2 cu yd)</td>
</tr>
<tr>
<td>1 acre</td>
<td>43,600 sq ft</td>
<td>1,815 cu ft of compost (67 cu yd)</td>
<td>7,257 cu ft of compost (268 cu yd)</td>
</tr>
</tbody>
</table>
More Customer Education

(Your product name) Compost

General Landscaping Information

(Your product name) Compost is rich in organic matter and microbial populations, both of which are essential components to healthy and productive soils. (Your product name) Compost is excellent for amending depleted soils, enriching planting mixes, and enhancing the growth of turf and ornamental plant species. Further, the composting process, essentially “pasteurizes” the product, allowing (Your product name) Compost to boast that it is free of viable weed seeds and plant pathogens.

(Your product name) Compost Use Benefits

1. Physical Conditioning - (Your product name) Compost adds organic matter (and humus) and water holding capacity to sandy soils. It breaks up heavy, compacted soils, allowing water, air and nutrients to reach plant roots.

2. Increases Organic Matter Content - Organic matter (OM) is the ‘workhorse’ of the soil. Most soils are deficient in OM. (Your product name) Compost, is rich in OM and can convert ordinary soil into an organically rich growing media.

3. Adds Nutrients - (Your product name) Premium Compost is rich in both macro and secondary nutrients. These nutrients are available in slow release form, minimizing the potential to burn new plants and reducing supplemental Nitrogen additions the first 2 years following application.

4. Reduced Material Needs - Use only ¼ to 1/3 the quantity of (Your product name) Compost, compared to using topsoil by transforming existing site soil into high, quality topsoil – instructions below.
Website Sample

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AGRESOURCE
Quality Compost, Soil, & Mulch

QUALITY COMPOST PRODUCTS

Agresource markets compost from a network of composting facilities throughout New England and New York. Compost products available from Agresource are the highest quality compost products in the industry. For a list of printable compost specifications for particular Agresource compost products, click here. For additional information go to the Agresource Applications and Specifications Manual.
Our most famous and recognizable product, MOO DOO is one product customers ask for by name! Why? MOO DOO is composted cow manure and compost blend.

MOO DOO is available in 34 qt and 16 qt bags.
Bar Harbor Blend Premium Potting Soil

Bar Harbor Blend is our organically approved, all-purpose potting soil. It is a rich, dark brown and full bodied, designed for re-potting house plants, planting hanging baskets, window boxes and all containers.

Bar Harbor Blend is made with lobster and aspen bark compost, long staple horticultural grade sphagnum peat moss and perlite. Like all compost-based soils, this too requires less watering.

We’ve named this blend for the town of Bar Harbor, located on Mount Desert Island overlooking Frenchman Bay. Bar Harbor is the gateway to Acadia National Park and one of the jewels of the Maine coast.

It is available in one and two cubic foot bags and 8 and 16 quart bags at selected retailers in the Northeast.
Microbial FilterMitt™ & Sediment FilterMitt™

Groundscapes uses Phase II Stormwater Products. Microbial FilterMitt™ and Sediment FilterMitt™ structures securely contain our compost blend within a biodegradable fabric enclosure. They can be used for detaining or directing surface water flows, retaining sediment, and protecting wetlands and other water resources. Absent of any synthetic materials, Microbial FilterMitts™ and Sediment FilterMitt™ can be left in place indefinitely, saving the cost of removal. The natural fabric eventually biodegrades and is used as a food source for the micro-organisms.

Microbial FilterMitts™ and Sediment FilterMitt™ can be used alone or in conjunction within other storm water management techniques. They can also be grouped together to form FilterMitt Berm™

Composition and function:
Phase II Stormwater Products Inc.’s FilterMitts™ are burlap fabric Mits filled with the appropriate compost blends, used for sediment and erosion control. These Mits are sized accordingly for each job, unless specified.

Usage:
- Flat areas or slopes.
- For short and long term solutions;

- Appropriate uses include shoreline stabilization, on slopes and flat areas, check dams, vegetation establishment, retaining
Contact Information

Athena Lee Bradley, Project Manager
Northeast Recycling Council, Inc.
athena@nerc.org
Tel:  802-254-3636

www.nerc.org
NERC on Facebook