

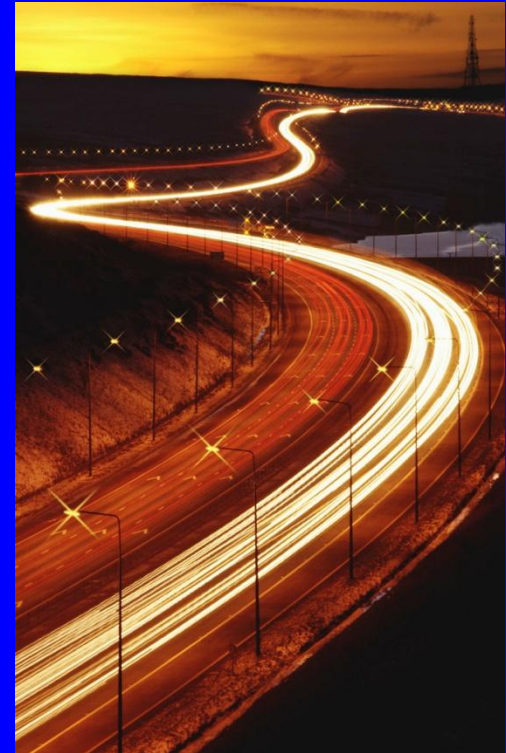
# **SSO Foodscrap Diversion Utilizing Certified Compostable Bags**



Steve Mojo-BPI Exec. Director  
RCBC Conference, June 2011

# Agenda

- What are certified compostable bags?
- More than bags
- More than products



# What are certified compostable bags?

- All meet ASTM D6400
  - Designed to disintegrate and fully biodegrade in large scale facilities at same rate as food scraps and yard waste
  - Comparable to European and BNQ specs
- All are tested in approved 3<sup>rd</sup> party labs
- All data is verified by independent experts.



# Requirements for Compostable Bags

- **ASTM D6400**
  - “Specification for Compostable Plastics”
  - For films and solid plastic products
  
- **ASTM D6868**
  - “Specification for Biodegradable Plastic used on Paper and other Compostable Substrates”
  - For packaging and food service items, made of plastic coated paper, board & other fibers

**Similar to BNQ, EN & ISO Norms**

# Key Properties for Compostable Bags

## **ASTM & CEN criteria**

1. Mineralization/Biodegradation
  - At rates comparable to yard trimmings & foodscraps
2. Disintegration
3. Plant Growth Trials
4. Heavy Metals Limits
  - In line with Canadian regulations



# Compostable Bag Applications

Certified Compostable Bags Used Successfully In:



**Kitchen Bin Liners**



**Green Bin Liners**



**Leaf & Yard Waste**



# Benefits of Certified Compostable Bags

## To Citizens

- **Compostable bags reduce the “Yuck Factor” by containing liquids, odours & reducing insects, pests, clumping of organics:**
  - Contributes to the success and convenience of SSO programs
  - Increases collection rate and tonnages
- **Easily identifiable by their certified compost “Mark of Certification” and appearance**
- Puncture and tear resistant
- Secure and convenient to use
- Fits and conforms to regular organic collection containers



# Benefits of Certified Compostable Bags

## To Waste Collectors

- Easily recognized at curb or in the bin from regular bags – labeled with **BPI & CAN/BNQ “Mark of Certification”**
- Translucent to view contents
- Bag breathes to reduce moisture content up to 25% in five days - to mitigate odorous anaerobic conditions
- Weather resistant



# Benefits of Certified Compostable Bags

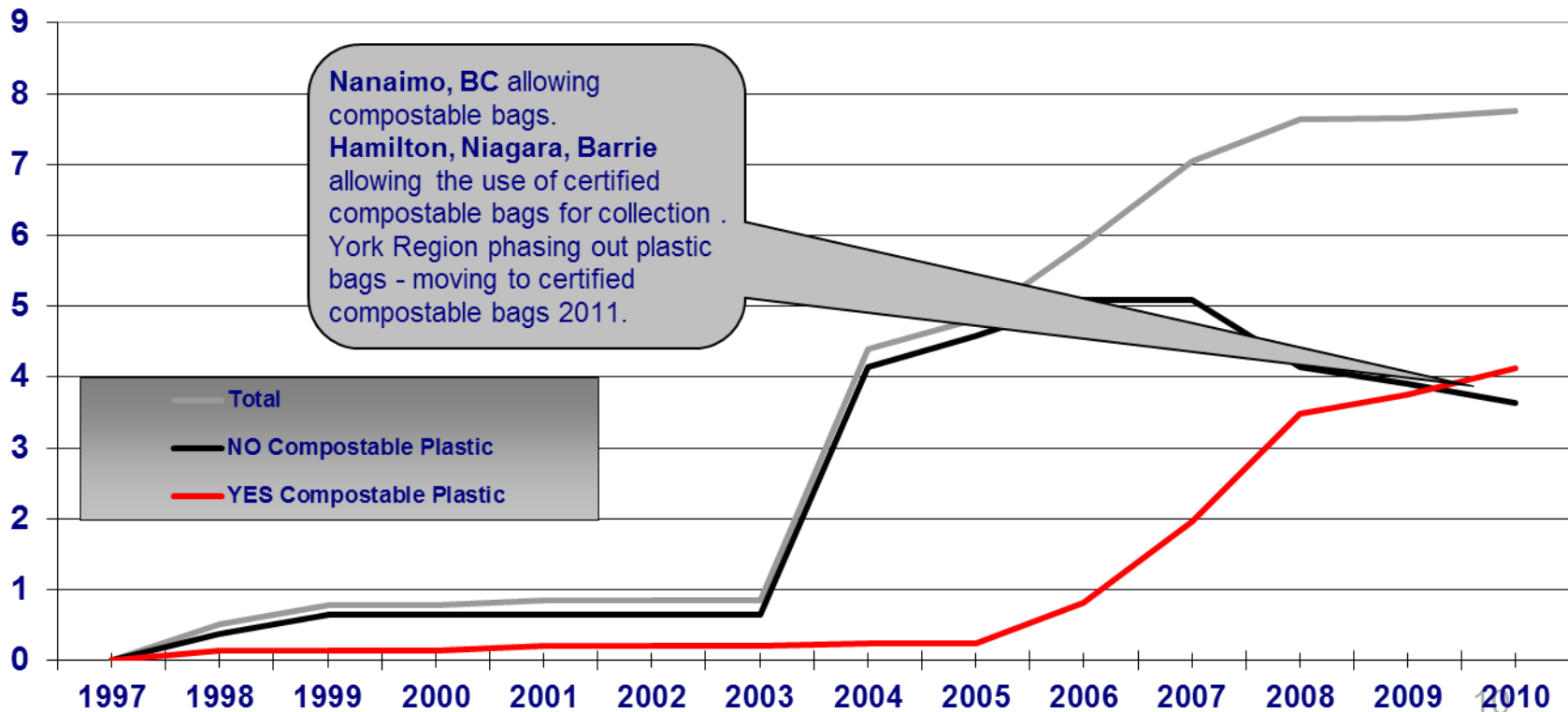
## To Commercial Compost Facility Operators

- No debugging required
- Treated the same as the organic contents
- Becomes part of the compost produced
- Halton Region Report PPW82-05 on All Treat Farms – *“with the introduction of the compostable plastic bags, there has been no increase in contamination levels and they are breaking down effectively in their system.”*

# 4.3 Million Canadian Households Using Certified Compostable Bags

Population  
(Millions)

## History of SSO Kitchen Organic Collection Programs



Source: W Ralston (Canada) Inc.

# Easy to Identify

- Typically green or translucent white
- Carry "Compostable" & BPI or BNQ certification marks



# Easy to Identify




# Easy to Find

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Compostable Bags on Sale in Minnesota


Directory of Certified Compostable Products

- Certified Compostable Foodservice Items
- Certified Compostable Resins
- Certified Compostable Packaging Materials
- Certified Compostable Bags
- Compostable Consumer Products and Packaging

## Certified Compostable Bags

Compostable bags are designed to disintegrate and biodegrade quickly and safely when composted in a professionally managed composting facility.

All BPI-approved products meet stringent, scientifically based specifications: **ASTM D6400** or **ASTM D6868**. These products are ideal for organics diversion programs.



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Company Products

[www.bpiworld.org/BPI-Public/Approved.html](http://www.bpiworld.org/BPI-Public/Approved.html)

# Certified Compostable

## More than Bags



# Range of Compostable Products

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**Compostable Bags on Sale in Minnesota**

**Directory of Certified Compostable Products**

- Certified Compostable Foodservice Items
- Certified Compostable Resins
- Certified Compostable Packaging Materials
- Certified Compostable Bags
- Compostable Consumer Products and Packaging

## Directory of Certified Compostable Products

This directory lists products that have been tested and certified to be biodegradable in a managed composting facility. To be listed on this site, a company must submit its products for testing at a certified laboratory.

	<b>Certified Compostable Bags</b>		<b>Certified Compostable Foodservice Items</b>
	<b>Certified Compostable Resins</b>		<b>Certified Compostable Packaging Materials</b>


# Growing list of Foodservice Vendors

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Compostable Bags on Sale in Minnesota


Directory of Certified Compostable Products

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## Certified Compostable Foodservice Items

This category includes manufacturers of foodservice items, such as plates, cups, bowls, fruit bowls and other items used to serve meals. All are designed to disintegrate and biodegrade quickly and safely, when composted in a professionally managed facility.

All BPI-approved products meet stringent, scientifically based specifications: **ASTM D6400** or **ASTM D6868**.



**Advanced search...**

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# Benefits

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- Useful in foodservice operations
  - In US, 50% of foodscraps come from foodservice operations
- Compostable liners keep bins cleaner
- Eliminate need to separate foodservice items from foodscraps

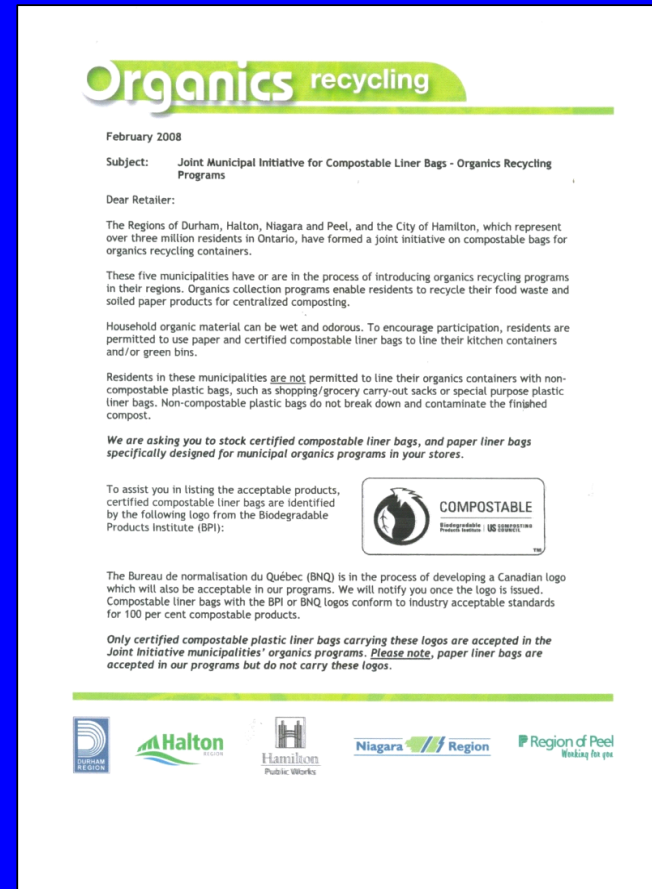


# Certified Compostable More Than Products



# More than Products

- The BPI and approved suppliers work to develop successful diversion programs
- Suppliers have wealth of experience
  - Many involved for 10+ years
  - Provide start-up expertise for communities & businesses



# For More Information

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- Contact BPI
  - PH: 888 274-5646
  - Email: [info@bpiworld.org](mailto:info@bpiworld.org)
  - Website: [www.bpiworld.org](http://www.bpiworld.org)



- Approved Products:
  - **Bags:** [www.bpiworld.org/BPI-Public/Approved.html](http://www.bpiworld.org/BPI-Public/Approved.html)
  - **Foodservice:** [www.bpiworld.org/Certified-Bioedgradable-Foodservice-Items-Plates-Cups-Utinsels](http://www.bpiworld.org/Certified-Bioedgradable-Foodservice-Items-Plates-Cups-Utinsels)
- Canadian Bag Presentation:
  - [www.bpiworld.org/Resources/Documents/Canadian%20N%20TL%20Compostable%20Bag%20Final%20MAR%202011.pdf](http://www.bpiworld.org/Resources/Documents/Canadian%20N%20TL%20Compostable%20Bag%20Final%20MAR%202011.pdf)



The Proof is in the Label