



# Better Use of Municipal Compost and Biosolids in Agriculture



A vertical cross-section of dark, rich brown soil. At the top, a ring of decomposing organic matter, including leaves, stems, and small pieces of fruit, sits on the soil surface. Above this ring, a small patch of green grass and a blue sky with light clouds are visible. The soil itself shows some roots and small white particles.

# SAVE OUR SOIL SAVE OURSELVES

From and because of soil, life on Planet Earth exists.

We depend on soil and it depends on us. The food that we eat, the trees and plants that give us oxygen to breathe, the water that we use and drink as well as the actions of our climate are all connected.

Quality soil is based on a simple equation:

What you take out, you must put back in.

Adding compost restores our soil's vitality, providing the texture, structure and nutrients needed for healthy soil and plant growth.

Plus, compost stores carbon in the soil to help calm our climate.

Make compost happen --- recycle your organics.

# COMPOST!

[www.compost.org](http://www.compost.org)



# Organics Recycling across Canada

*An Information Service of  
The Compost Council of Canada*

Click on the province or territories  
for information about current organics  
recycling infrastructure, regulations  
and support in this area.



ANNOUNCEMENT • L'ANNONCE

**Organics Recycling on the Map  
across Canada**

**Le recyclage des matières organiques  
sur la carte, à travers le Canada**



# Recyclage des matières organiques à travers Canada

*Un service informatif du  
Conseil canadien du compost*

Cliquez sur une province ou sur un territoire  
pour obtenir des informations sur  
les installations actuelles de recyclage  
de matières organiques, ainsi que sur  
les règlements et les mesures  
de soutien en place dans  
cette région.

## Organics Recycling across Canada

## Recyclage des matières organiques à travers Canada

# of Facilities  
Nombre d'installations : **317**

Tonnage Processed  
Tonnes traitées : **5,310,867 Tonnes**



Recycle your o



vie à votre sol.

Current

Potential  
3 x current

1 billion km driven

>3 billion km driven

260 k tonnes CO<sub>2</sub>  
eq

780 k tonnes CO<sub>2</sub> eq

3.4 M tpa organics  
composted

10 M tpa organics  
composted





Appendix III  
Compost Agricultural Product Value  
on as is basis



Agricultural End-Use	Analysis Result	Unit	Quantity in lbs/Ton
<b>Physical Parameters</b>			
Dry Matter	70.11%	%	
pH	6.9		
Bulk Density	372	kg/m3	
C:N Ratio	12:1		
<b>Fertilizer Equivalent Minerals</b>			
Nitrogen Total	3.05%	%	61.0
Ammonium Nitrogen	2080.16	ppm	4.16
Total Phosphate (P as P2O5)	0.57%	%	11.4
Total Potash (K as K2O)	1.00%	%	20.0
Calcium	3.09%	%	61.8
Magnesium	0.39%	%	7.8
Sulfur	2213.37	ppm	4.4

The Compost Quality Assurance program goes beyond the provincial requirements to establish full value and appropriate end-use. The Compost Report and Compost End-use table in Appendix II, has 10 different compost application uses from soil remediation, through to potting soil blends. Of note are available soluble salt limits and the percent available sodium for sensitive plants. Appendix III, lists the primary agricultural use parameters and quantitative nutrient content that reflects this compost samples agricultural end-use, and application value. This value includes macro and micro nutrients, soil building properties such as the addition of organic matter, increasing moisture holding capacity, and the soils slow release nutrients. These parameters improve beneficial soil health components soil structure and stability.

The results of our testing on this sample indicates that this product is a fine textured, compost (97%+ 3/8 in.), with rich mineral properties, which would meet criteria for agricultural soil amendment, blending and topdressing end-uses purposes. The C:N ratio 12:1 from Appendix II, on the soil suitability report indicates a low C:N ratio and indicating good nitrogen availability. The low C:N ratio in conjunction with the higher total nitrogen content listed in Appendix III indicates early high available nitrogen levels, and should be considered for crop planning. The proportion of available sodium (9.53% Na), which if used in too heavy a proportion could cause some problems with sensitive species. The sodium levels of this compost sample though high, is suitable for agricultural broadcast field applications and are made to improve the organic matter level and major nutrients phosphorus, potassium and magnesium levels. The compost is also rich in available calcium, sulfur, and iron, which make it ideal for soil enriching, and amendment. We recommend blending this material at a minimum of 5-6 parts soil blended to each part of this compost to dilute the sodium concentration.

Major Nutrients - Compost is classified in Schedule II (CFIA Fertilizer Act & Regulations) as a supplement, and as such, nutrient guarantees are not mandatory. However, if any claims are made regarding nutritional value of the product, such as for composted manure, the product would then be classified as a supplement and a fertilizer, and label would have to include the guarantees for the major nutrients. The guarantees for the major nutrients include the minimum amounts of Total Nitrogen (N), Available Phosphoric Acid (P2O5) and Soluble Potash (K2O).

All analysis conducted and prepared by:  
A L Canada Laboratories  
2136 Jetstream Rd London, Ontario N5V 3P5 (519) 457-2575

# Nutrient Value of Compost via CQA Analysis

2020 = \$130.32 per tonne

2022 = \$209.18 per tonne

**+\$78.86 per tonne; +60.5%**



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# 11 COMPOST REALLY IS A WONDERFUL THING

It provides valuable habitat for  
wildlife, saves you dumping kitchen  
waste and returns nutrients to the



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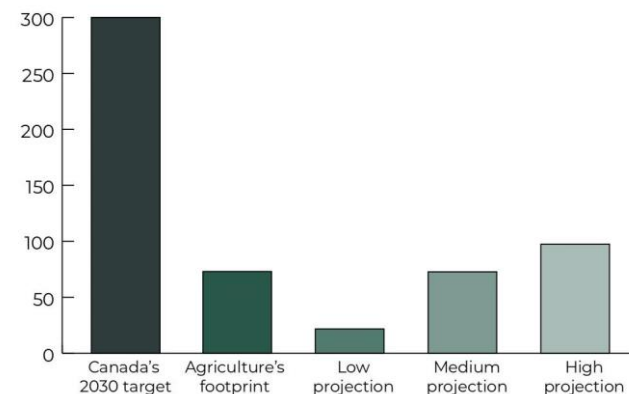
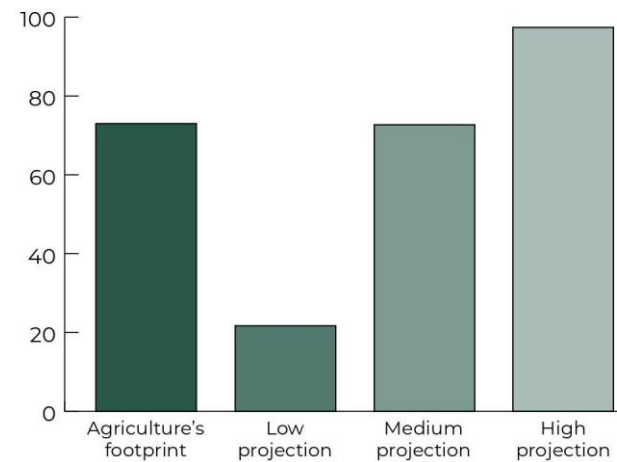
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# Recruiting Soil to Tackle Climate Change:

## A Roadmap for Canada





# This Lawn & Garden Store Carbon

and help keep our planet  
**Cool** with

# COMPOST



Redeemer Lutheran  
TORONTO, ONTARIO  
Finding Life in Community







Government of Canada  
Gouvernement du Canada

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Canadian Food Inspection Agency



Canada

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[Animals](#)
[Plants](#)

Home > Plants > Fertilizers > Trade Memoranda > T-4-120

Plants
Acts and Regulations
Fertilizers
Program Overview
Registered and Regulated Products
Registration Requirements
Sampling and Testing
Trade Memoranda

## T-4-120 - Regulation of Compost under the *Fertilizers Act* and *Regulations*

The Canadian Food Inspection Agency (CFIA) has introduced a [streamlined registration process](#) for fertilizers and supplements. Streamlined registration is reserved for products that have been deemed safe by the [CFIA](#) and have been shown to be effective based on foreign trial data or scientific literature.

### Purpose

The purpose of this document is to provide information and *Regulations*, and describe the safety, efficacy of a compost into Canada. This document is also designed to assist retailers in meeting the regulatory requirements of the Agency (CFIA).

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CCME

Canadian Council of Ministers of the Environment  
Le Conseil canadien des ministres de l'environnement

## Guidelines for Compost Quality



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## COMPOST LABEL REQUIREMENTS

For full requirements, please refer/keep these CFIA links as an ongoing reference the CFIA can update requirements without notice; The Council will be mindful to provide notice of any updates when they arise; CCC/CQA members are kindly asked to notify The Council ([info@compost.org](mailto:info@compost.org)) at any time when they also learn of any changes):

### Regulation of Compost

[T-4-120 – Regulation of compost under the Fertilizers Act and Regulations - Canadian Food Inspection Agency \(canada.ca\)](#)

### Safety Standards for Fertilizers and Supplements

[T-4-93 – Safety standards for fertilizers and supplements - Canadian Food Inspection Agency \(canada.ca\)](#)

### Labelling Requirements for Fertilizers and Supplements

[T-4-130 – Labeling requirements for fertilizers and supplements - Canadian Food Inspection Agency \(canada.ca\)](#)

### ASPECTS TO CONSIDER/REMEMBER

The CFIA labelling rules apply only to compost that is sold. A product sale is an exchange of value that is, could be an exchange of money or something of value (such as transportation – e.g. C is free but pay for the transportation – in this case, the CFIA rules would still apply). The Compost Council of Canada recommends that all compost produced adhere to the CFIA rules, regardless whether the product is sold or given-away.

1. **Must be a Bilingual Label (English & French)**
2. **Must identify Weight (can also include volume; but weight is mandatory)**
3. **For claims and labelling details, you must decide whether you will market your compost as:**
  - i. **Soil Supplement (improvement of the physical condition of soils); or**
  - ii. **Fertilizer (to aid plant growth or crop yields)**

*As identified in T-4-120:*

*Compost may be imported or sold in Canada as either a fertilizer (when represented as a source of essential plant nutrients) or as a supplement.*

*Labelling Requirements vary depending on whether a given compost product is repackaged as a Fertilizer (e.g. requires a grade) or a supplement (may only guarantee organic matter content).*

If you select "Supplement", there cannot be any "growth" or "fertilizing" claims --- neither the label or in any of your literature, including website.

### Essential Components on your Bilingual Label

Please Note: if selling in bulk, your invoice w/could be considered your label

#### 1. Brand Name of the Compost (if applicable)

IF marketed as a Fertilizer, the N-P-K value (minimum) must also be identified "the grade designation that is stated as a hyphenated numerical series (the numerals must represent guarantees expressed in percent for total nitrogen, available phosphoric acid and soluble potash listed in that order)"

#### 2. Name of Manufacturer & Complete Address

#### 3. Lot Number

*Lot number means a combination of letters, or numbers, or both, that allows a lot of a fertilizer or supplement to be traced in manufacture and distribution*

#### 4. Active Ingredients derived from (feedstock source/designation as to kind)

Compost products imported or sold in Canada must be designated as to kind. This means that the input materials must be identified by category (at a minimum). The following categories may be used, though a product proponent may choose to provide more detail about the source material.

- Post consumer source-separated organics
- Leaf & Yard residues
- Municipal Biosolids
- Fishery & Aquaculture residues
- Forestry residues
- Livestock & Agrifood residues

#### 5. Weight (volume is also permitted but weight is mandatory)

#### 6. Minimum Organic Matter (expressed in percent)

#### 7. Maximum Moisture Content (expressed in percent)

#### 8. Directions for Use

#### 9. Allergenicity Statement

A precautionary statement is required for specific materials which may be included in/as fertilizer or supplements. These specific priority allergen materials are as follows:

peanuts, tree nuts, sesame seeds, milk, eggs, fish, crustaceans and molluscs, soy, wheat and triticale, sulphites and mustard

So --- Post consumer source-separated organics, Fishery & Aquaculture residues definitely need to include an allergenicity statement and possibly the Agrifood residues.

The Compost Council of Canada recommends including a statement, regardless of feedstock, with specificity dependent on the feedstock materials.

We also recommend adding upfront the following statement to the allergenicity statement:

**Compost must be manufactured to meet stringent government standards designed to protect human health and the environment.**

The following is the statement (with the phrase "As with any soil product," being suggested as an addition by The Compost Council of Canada):

**CAUTION:** this product may contain (list all allergens; i.e. peanuts, tree nuts, sesame seeds, milk, eggs, fish, crustaceans and molluscs, soy, wheat and triticale, sulphites and/or mustard). Adverse reactions may occur in sensitive persons. If skin contact occurs, wash with soap and water. As with any soil product, wear dust mask and protective gloves. If allergic reaction occurs, seek medical attention.

If there are no allergens as identified in the CFIA list, this statement could be used:

Compost must be manufactured to meet stringent government standards designed to protect human health and the environment.

**Caution:** As with any soil product, wear dust mask and protective gloves. Adverse reactions may occur in sensitive persons. If skin contact occurs, wash with soap and water. If allergic reaction occurs, seek medical attention.

#### 10. NOTICE re: Prohibited Materials

**PLEASE NOTE: If your compost contains certain animal proteins known as prohibited material, there are specific warning statements, recall and record-keeping requirements. Please refer to the details in T-4-120.**

ALSO Please note: composted wastes that contain prohibited material, including poultry manures of animals that were fed prohibited material, are considered prohibited material (due to residual feed mixed with the bedding or wood chips) and are subject to the same regulatory requirements. Conversely, compost that contains food grade animal protein in the form of restaurant waste, grocery store waste or household organic collection waste is not subject to the warning statements, recall and record-keeping requirements.



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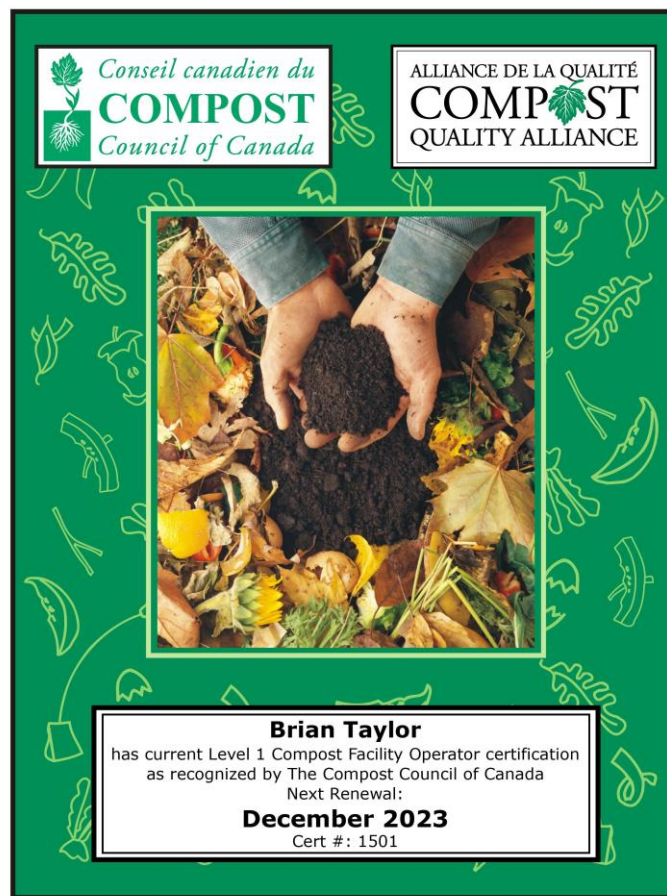
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Qualification for this certificate is authorized through the Government of Alberta's Landfill and Composting Facility Operator Certification Program, administered by the Compost Council of Canada.



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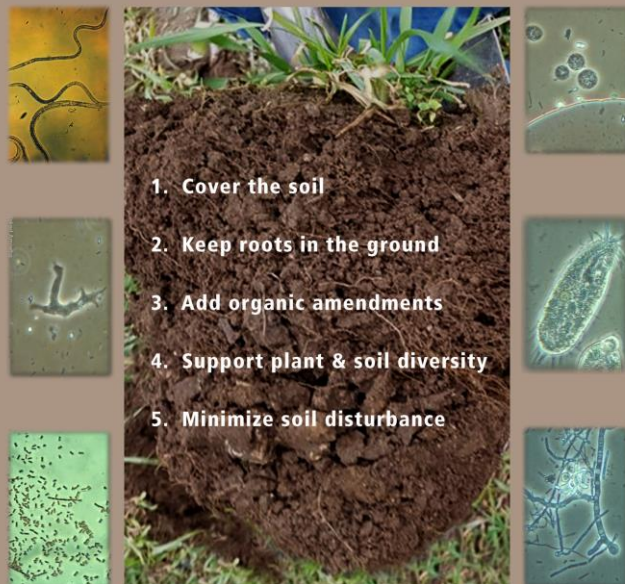


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# BE A SOIL BUILDER



1. Cover the soil
2. Keep roots in the ground
3. Add organic amendments
4. Support plant & soil diversity
5. Minimize soil disturbance



This project was funded in part through Growing Forward 2 (GF2), a federal-provincial-territorial initiative. The Agricultural Adaptation Council assists in the delivery of GF2 in Ontario.



HOST LOGO HERE

## The Biology of Soil Health

An interactive, hands-on workshop for farmers to better understand the abundant life in soil

DATE: --- ---, 2017 TIME: 10AM-3PM

LOCATION:

**ADVANCE REGISTRATION REQUIRED FOR THIS NO-FEE SESSION.  
SPACE IS EXTREMELY LIMITED. REGISTER EARLY.**

### Topics will include:

- beneficial soil functions (water infiltration and holding capacity, natural fertility, disease suppression, and carbon sequestration)
- organisms of the soil food web (who eats whom and why it matters)
- requirements of healthy soil ecosystems
- basic soil health principles
- how all of the above relate to best management practices such as conservation tillage, cover crops, and organic amendments

Hands-on Exercises will include: identifying soil organisms, using a penetrometer, conducting slake & soil infiltration tests.

### Bonus Session:

At the end of the workshop, those interested may stay (until as late as 4:30 pm) to run some of the following tests on their own soil samples:

- Bring approximately one-litre sample of your own soil to the workshop.
- Using microscopes provided, and with assistance in using them from workshop staff, you'll be able to view your own soil at 400x magnification to get a better understanding of the micro-organisms in your soil.
- Take the fencerow/woodlot challenge where you can test your soil's ability to absorb rain and keep its structure in wet conditions as compared to samples taken from fencerows and woodlots in your region (slake and infiltration tests).
- If you plan to participate in the bonus session, please note this on your registration form so that further soil sampling instructions can be provided in advance.

REGISTRATION FORM FAX BACK TO 416 536 9892 or EMAIL [info@compost.org](mailto:info@compost.org)

☐ I plan to stay for the BONUS Session

NAME: \_\_\_\_\_  
AFFILIATION: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ PROV: \_\_\_\_\_ POSTAL CODE: \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

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## Let's go on a SOIL SAFARI

A series of interactive exhibits where you'll learn about life in our soils.

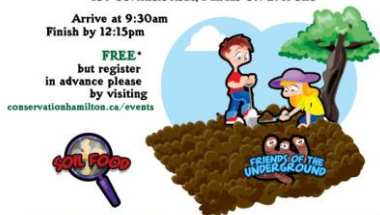
**Friday March 20th**

Dundas Valley Conservation Area

650 Governors Road, Dundas ON L9H 5E3

Arrive at 9:30am  
Finish by 12:15pm

**FREE\***  
but register  
in advance please  
by visiting  
[conservationhamilton.ca/events](http://conservationhamilton.ca/events)



Learn • Explore • Have Fun • Be Inspired

**LET'S DIG IN!**

SOUP, COOKIES & REFRESHMENTS provided post-session at no cost.

\*There is a \$10 parking charge per car.



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SHARE A ROW  
UN RANG POUR  
CEUX QUI ONT FAIM



### Spinach • Épinard

Sow seeds 13mm deep, 2.5cm apart.  
Maturity/harvest - 40-52 days.  
Semez les graines à 13mm  
de profondeur, espacées de 2,5cm.  
Maturité/récolte - 40 à 52 jours.

### Beets • Betteraves

Sow seeds 13mm deep, 2.5cm apart.  
Maturity/harvest - 60 days.  
Semez les graines à 13mm  
de profondeur, à 2,5cm de distance.  
Maturité/récolte - 60 jours.

### Carrot • Carottes

Sow seeds 6mm deep, 13mm apart.  
Maturity/harvest - 70-80 days.  
Semez les graines à 6mm  
de profondeur, à 13mm d'intervalle.  
Maturité/récolte - 70 à 80 jours.

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### Peas • Pois

Sow seeds 2.5cm deep, 2.5cm apart.  
Maturity/harvest - 55 days.  
Semez les graines à 2,5cm  
de profondeur, à 2,5cm de distance.  
Maturité/récolte - 55 jours.



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On the occasion of  
**WORLD SOIL DAY 2021**



You are invited to learn about how

# OUR SOIL INFLUENCES OUR BRAIN HEALTH

A presentation by **DR. BONNIE KAPLAN**

Professor Emerita of the University of Calgary  
and co-author of **THE BETTER BRAIN**

**Monday December 6, 2021**  
**2pm (EST)**

Connect to our Free Webinar here:

<https://us06web.zoom.us/j/83973912292?pwd=azdsVG9rN0dqL2xaVVo5dlNjUWZ5ZTQ09>



Annual Biennial Control



Annual Biennial Control



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## ABOUT BONNIE KAPLAN

Bonnie J Kaplan, PhD, is Professor Emerita in the Cumming School of Medicine at the University of Calgary. She has published widely on the biological basis of developmental disorders and mental health – particularly, the *contribution of nutrition to mental health*. Her efforts to include nutrition knowledge in the care of people with mental health challenges has earned her a variety of awards, including the **Dr. Rogers Prize** in September 2019; selection in 2017 as one of 150 Canadian **Difference Makers** in Mental Health, in honour of Canada's 150th birthday. In 2021, she was chosen as one of the **"7 Over 70"** in Calgary, partly for her book **The Better Brain**, written with Professor Julia Rucklidge and published by Houghton Mifflin Harcourt in NY, as well as her two charitable funds supporting research by junior colleagues who study nutrition and mental health (over \$1 million CAD). Her primary goal is to influence the way mental health treatment is delivered.

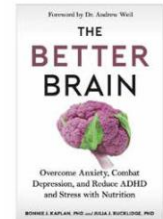


## ABOUT THE BETTER BRAIN

A paradigm-shifting approach to treating mental disorders like anxiety, depression, and ADHD with food and nutrients, by two leading scientists who share their original, groundbreaking research with readers everywhere for the first time.

"The authors of this book have been studying nutrition and brain health for years. Their research provides strong evidence for dietary adjustment and supplementation as safe and effective ways to optimize mental health and treat the most common mental and emotional disorders."

Andrew Weil, MD



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# Improving Organic Waste Diversion through a Field Test of Greenbin-Derived Compost in the Region of Peel

GMF # 12117

*Applied Research • Economics • Market Development*  
**Farmers Feed Cities – Cities Feed Farm Soils**



 **Region of Peel**  
Working for you

 **Conseil canadien du  
COMPOST**  
Council of Canada



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COMPOST**  
QUALITY ALLIANCE

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85'  
Eco tea  
@ 2.5 gal/Ac

25' Tree

85' Eco tea

140' Eco tea

140' CQT

dry seed dressing

40' Control

40' Compost 12t/Ac

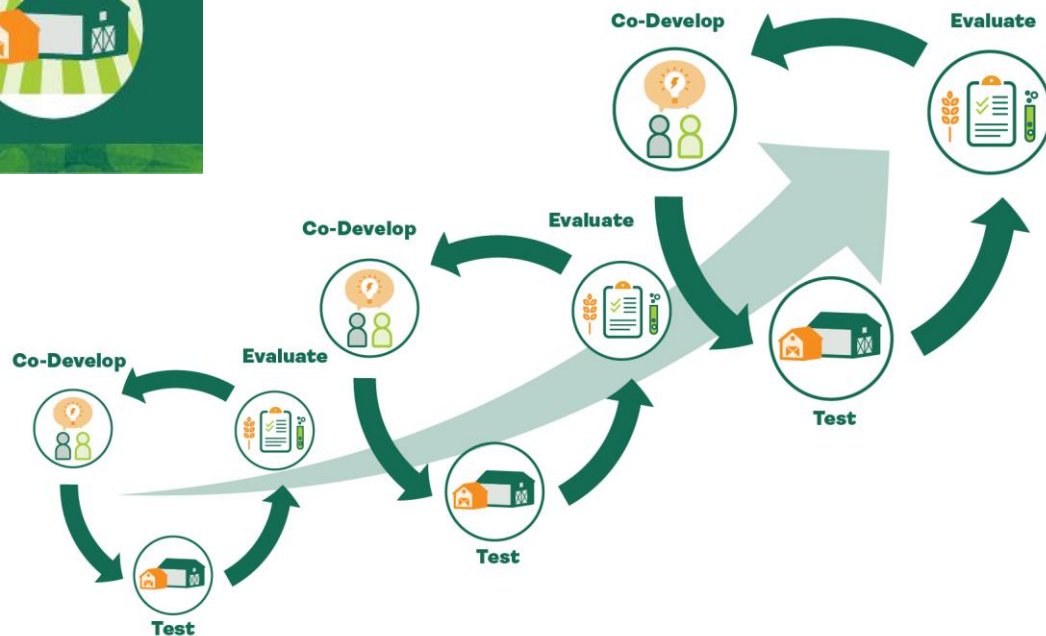
40' Compost 12t/Ac +  
Eco tea @ 2.5 gal/Ac

40' Tree + Lane





# Agriculture & AgriFood Canada's Living Labs Initiative







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SOIL

SAVE ORGANICS IN SOIL



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### Compost Quality Parameters for the CQA

USE	pH	C/N ratio	Moisture	Particle size	Soluble salts	%Na
Remediation	5.8-8.5	10-40	NA	<2 inch	<20	<3%
Soil Amendment	5.8-8.5	10-30	NA	<1/2 inch	<6	<2%
Landscaping	5.8-8.5	12-22	<50%	<1/2 inch	<5	<2%
Planting Media	5.5-7.8	12-22	<50%	<1/2 inch	<4	<2%
Turf Topdressing & establishment	5.8-7.8	12-22	<50%	<3/8 inch	<3	<1%
Potting Soil	5.5-7.2	12-22	<50%	<1/4 inch	<2	<1%



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# Appendix I

## CCME Guidelines 2005 & CFIA Fertilizer Act & Regulations:

Alberta, Manitoba, New Brunswick, Nova Scotia, Newfoundland, Prince Edward Island & Territories



### A. Maximum Concentrations for Trace Metals in Compost

Trace Elements	Test Results (ug/g)	Category A	Category B
		Maximum Concentration within Product (mg/kg dry weight)	
Arsenic (As)	BDL	13	75
Cadmium (Cd)	BDL	3	20
Chromium (Cr)	4.98	210	**
Cobalt (Co)	1.53	34	150
Copper (Cu)	16.50	400	**
Lead (Pb)	32.29	150	500
Mercury (Hg)	BDL	0.8	5
Molybdenum (Mo)	2.40	5	20
Nickel (Ni)	5.65	62	180
Selenium (Se)	BDL	2	14
Zinc (Zn)	66.05	700	1850

\*\* Upper limits are not established in the Trade Memorandum.

### B. Foreign Matter in Compost

Foreign Matter		Category A	Category B
Pieces >25mm/500mL	0	Contains no more than 1 piece of foreign matter >25mm/500ml	Contains no more than 2 pieces of foreign matter > 25mm/500mL
Sharp Foreign Matter		No sharp foreign matter >3mm per 500ml	No more than 3 pieces of sharp matter < 12.5mm/500mL Note: This compost shall not be used in pastures, parks, or residential
Pieces > 3mm/500mL	0		
Pieces > 12.5mm/500mL	0		

### C. Maturity/Stability

Method	Test Results	Required Limits
CO <sub>2</sub> Respiration Rate CO <sub>2</sub> Respiration Rate	3.50	≤ 4 mg of carbon in the form of carbon dioxide per gram of organic matter per day
O <sub>2</sub> Uptake Respiration Rate O <sub>2</sub> Uptake Respiration Rate		≤ 400 mg oxygen/kg of volatile solids (or organic matter)/hour

### D. Pathogens

Pathogen	Test Results	Required Limits
Fecal Coliform (MPN/g dry)	<3	<1000 MPN/g of total solids calculated on a dry weight basis
Salmonella (P-A/25g(ml))	NEGATIVE	<3 MPN/4g total solids calculated on a dry weight basis

(The following references are from the CCME guidelines (P11340), October 2005

\*BDL = Below Detectable Limits

### E. CFIA

Parameter	Test Results
Total Organic Matter (%)	63.54%
Moisture (%)	29.89%

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A L Canada Laboratories

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## Appendix II Finished Compost Quality



Parameter	Test Results
pH	6.9
Carbon to Nitrogen Ratio	12:1
Particle Size/Texture (inch)+	3/8 Inch
Soluble Salts (ms/cm)	4.3
Sodium Base Saturation (%Na)	9.53%
Major Nutrients	
Available Potassium (%K)	21.13%
Available Magnesium (%Mg)	18.02%
Available Calcium (%Ca)	51.33%

+ Majority of sample passes through this sieve size

### Reference Compost Quality Parameters for CQA

Use	pH	C:N	Moisture	Particle Size	Soluble Salts	%Na
Remediation	5.8-8.5	10-40	NA	<2 in	<20	<3%
Soil Amendment	5.8-8.5	10-30	NA	<1/2 in	<6	<2%
Landscaping	5.8-8.5	12-22	<50%	<1/2 in	<5	<2%
Planting Media	5.5-7.8	12-22	<50%	<1/2 in	<4	<2%
Turf Establishment & Topdressing	5.5-7.8	12-22	<50%	<3/8 in	<3	<1%
Greenhouse Seeding	6-7	12-22	<25%	<1/4 in	<2	<0.5%
Greenhouse Establishment	6-7	12-22	<30%	<1/2 in	2-3.5	<0.5%
Field Nursery	5.8-8	10-30	<50%	<1/2 in	<3.5	<1%
Agricultural Soil Amendments	6-8	10-30	<50%	<1/2 in	<20	none
Potting Soil	5.5-7.2	12-22	<50%	<1/4 in	<2	<1%

These are examples of some of the many end uses suitable for compost

Unrestricted Use: Category A - Compost that can be used in any application, such as agricultural lands, residential gardens, horticultural operations, the nursery industry, and other businesses. Category A criteria for trace elements are achievable using best source separated MSW feedstock, municipal biosolids, pulp and paper mill biosolids, or manure.

Restricted Use: Category B - Compost that has a restricted use because of the presence of sharp foreign matter or higher trace element content. Category B compost may require additional control when deemed necessary by a province or territory.

Note: For a compost to meet the unrestricted use category, it must meet the unrestricted (Category A) requirements for all trace elements and sharp foreign matter. If the compost fails one criterion of the guideline for unrestricted use but meets the criteria for restricted (Category B) use, then it is classified as a Category B product. Products that do not meet the criteria for either Category A or B must be used or disposed of appropriately.

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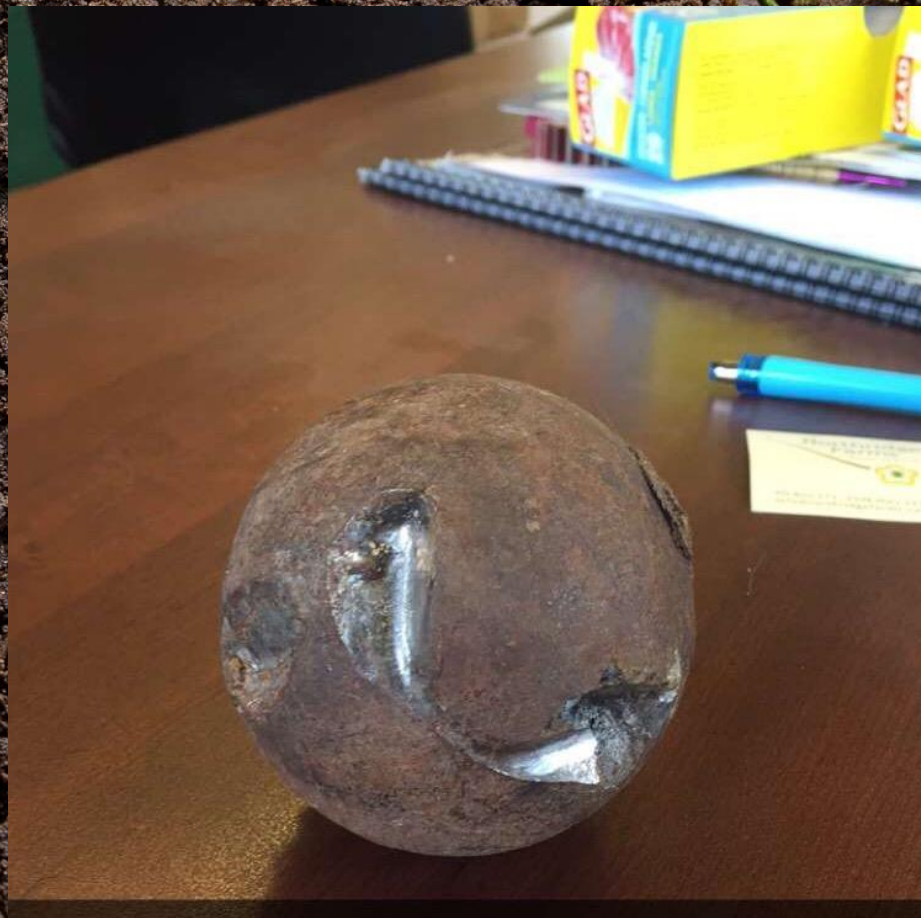






# BRANDED ORGANICS

## - Fruit Peels -







# NATIONAL ARTS CENTRE CENTRE NATIONAL DES ARTS

Canada is our stage. Le Canada en scène.

## News Release

### NATIONAL ARTS CENTRE COMPOST PROGRAM TO DIVERT 500,000 FOOD AND DRINK CONTAINERS FROM THE LANDFILL ANNUALLY

*Compost From New Plant-based Containers to be Returned to NAC Herb Gardens*

**May 9, 2019 – OT**  
Canadian Minister  
today unveiled an  
transform them into  
containers from the

NAC) and the Hon. Catherine McKenna,  
Member of Parliament for Ottawa Centre  
based food and drink containers and  
at the NAC. The move will divert 500,000

**Compostable Products/Packaging:  
Towards Common Ground**



November 2020

Exhibit 1

#### Interviewees

The following individuals, being either brand owners or organics recycling facility operators/owners, were interviewed about their opinion and experience with compostable products/packaging.

Solange Akrill & Chris McKillop, Club Coffee L.P.  
Geoff Boyd, Walker Industries  
Larry Conrad, Chair, National Board of Directors  
The Compost Council of Canada  
Peter Duck, Bow Valley Waste Commission  
Nicole Fischer, Kraft Heinz Canada  
Ian Gordon, Loblaw Companies Limited  
Paul Grenier, Clorox Canada  
Joe Hruska  
Brian King, GFL Environmental  
Mike Kopansky, Miller Compost  
Isaul Lopez, BASF Canada  
Serge Loubier, Englobe Corp.  
Donald MacQueen, Nova Scotia Environment  
Dan Martens, Novamont North America  
Marc Pollard, SC Johnson Canada  
Chris Snively, ADI PEI  
Mark Walker, Tomlinson Organics  
Glenn Watt, City of Hamilton  
Rhodes Yepsen, Biodegradable Products Institute



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Province	City/Region	Population *	Garbage	Blue Bin	Green Bin
British Columbia		4,648,055			
	Capital Regional District	85,792			
	Comox-Strathcona	66,527			
	Nanaimo	104,936			
	Vancouver (Metro)	2,463,431			
Yukon Territory		35,874			
	Whitehorse	21,732			
Northwest Territories		41,786			
	Yellowknife	18,884			
Alberta		4,067,175			
	Calgary	1,498,778			
	Edmonton	932,546			
	Lethbridge	87,572			
	Medicine Hat	62,935			
	Red Deer	99,718			

Province	City/Region	Population *	Garbage	Blue Bin	Green Bin
Saskatchewan		1,098,352			
	Regina	214,631			
	Saskatoon	245,181			
Manitoba		1,278,365			
	Brandon	48,324			
	Winnipeg	711,925			
Ontario		13,448,494			
	Durham (Region)	645,862			
	Halton (Region)	548,435			
	Hamilton	747,545			
	London	494,069			
	Niagara (Region)	447,888			
	Ottawa	934,243			
	Ottawa Valley	41,943			
	Simcoe (County)	479,650			
	Sudbury	161,531			
	Toronto	2,731,571			
	York (Region)	1,109,909			

Province	City/Region	Population *	Garbage	Blue Bin	Green Bin
Quebec		8,164,361			
	Gatineau	276,245			
	Lévis	143,414			
	Montreal**	1,704,694			
	Québec City**	531,902			
	Sherbrooke	139,565			
New Brunswick		747,101			
	Fundy (Region)	96,217			
	Moncton	108,620			
PEI		142,907			
	Island Waste Management Com	142,907			
Nova Scotia		923,598			
	Halifax Regional Municipal	403,131			
	Lunenburg	2,085			
	Town of Yarmouth	7,217			
Newfoundland		519,716			
	St. John's	205,955			
* Population numbers sourced from Statistics Canada					
** Accessed through Other Webpages					



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