RECYC-QUEBEC FLW Survey - Horticultural Producer

Introduction

RECYC-QUÉBEC and the City of Montreal have commissioned Value Chain Management International to estimate the volume of food loss and waste (FLW) occurring in the province of Quebec from a whole of chain perspective, then extrapolate the findings in terms of greenhouse gas (CO2E) emissions.

As an expert industry stakeholder, we would greatly appreciate your completing a survey that we have designed to enable us to estimate loss factors in specific sectors and food types. The information that you provide is completely confidential. Only aggregated results at an industry level will be reported. No individuals or organizations will be identified at any stage of the analysis and reporting.

In completing the survey, please respond in terms of a typical year; therefore, prior to the onset of the COVID-19 crisis that began in March 2020.

Please complete the survey by Monday, March 1.

If you have any questions about the survey and overall study, please contact Dr. Martin Gooch (martin@vcm-international.com) or Mariane Maltais Guilbault m.maltais@recyc-quebec.gouv.qc.ca.

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entifiers	
	ion systems listed below, please identify the crop type and production system that
	jest volume of production. (Choose one only)
Fruit	
Field grown veg	etables
Greenhouse veg	getables
Mushrooms	
What is your organ	ization's primary location?
ostcode	
osest city/town	
How many facilities	s do you operate in Quebec?

ally grow though is	not harvested. Plea	se enter numbers	only.

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Production and Pos	st-production Losses
Each type of loss is	described below.
	es occur during the growing of the crop prior to harvest. Production losses include n though not harvested.
B. Post-production	losses occur in your operation during harvest, grading, storage, and handling.
	what quantity of production and post-production losses do your organization typically ? Please enter numbers only.
Production loss	
Post-production loss	
6. Indicate whether th	e quantities that you provided above were measured or are estimated.
	Measured / Estimated
Production loss	
Post-production loss	
7. Identify if your orga	unization is actively working to reduce its production or post-production losses.
	Yes / No
Production loss	
Post-production loss	

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Loss Management	
•	ntage (%) of production and post-production loss that would be edible, either in its processing into foods or nutritional supplements. (Please enter numbers only.)
Production loss	
Post-production loss	
	below the top three destinations of the post-production losses that you identified in Q8, entage that is directed to each of the three destinations.
	Percentage of post-production loss
Rescue/redistribution for human consumption	
Upcycling into foods, nutritional supplements, etc.	
Animal feed	
Biomaterial processing/rendering	
Biomethanisation (anaerobic digestion)	
Compost	
Land application	
Incineration or controlled combustion	
Landfill/burial	
Other (e.g. sewer)	
Yes	anization monitor the CO2 emissions associated with food loss and waste?
○ No	

ss Management (Continued)		
If yes to the above, what is the quantity of CO ₂ ?		
12. Is the figure above a measurement or an estimat	e?	
Measured		
Estimated		

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Causes of Losses

13. On a scale of 1 to 5, please rate the impact of each factor listed below on the production losses that you
experience? (1 = minor impact; 3 = moderate impact; 5 = significant impact). Please ignore any causal factor
that is irrelevant.

	1	2	3	4	5
Inaccurate forecasts					
Changes to customer orders		\bigcirc			\bigcirc
Customer (over) specifications		\circ			
Weather					
Diseases					
Equipment malfunction/failure, mechanical damage	\bigcirc	\bigcirc		\bigcirc	\bigcirc
Prices insufficient to warrant crops being harvested		\circ			
Human factors					
Other - please specify in comment box below		\circ			
Comment					

	1	2	3	4	5
naccurate forecasts					
Changes to customer orders			\bigcirc	\bigcirc	\bigcirc
Customer (over) specifications				\circ	\bigcirc
Poor quality inputs					
Date code (products each "best before" / use by" dates)	\circ	0	0	\circ	0
Equipment nalfunction/failure, nechanical damage	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Storage/inventory losses					
Human factors					
Other - please specify in comment box below		\circ	\circ	\circ	

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Conclusion	
the topic of food loss and wa	ng in this important study. Is there anything further that you would like to add on aste in Quebec, and its prevention? to participate in a short follow-up interview?
Yes	
No	
17. If yes, please provide yo	ur contact details:
Name	
Company (optional)	
Email Address	

Phone Number