



**WEBINAR**



# Genesis R&D Foods 11.6 Update Overview

**Presented by ESHA Research**

Tuesday, August 7, 2018

11:00 AM PDT | 1:00 PM CDT | 2:00 PM EDT



# ESHA Research

ESHA Research was established in 1981 as the first comprehensive nutrition analysis software solution. Today, ESHA's suite of nutritional software products, services, and databases are recognized as the industry's top choice for food and supplement formulation, recipe development, labeling, nutritional analysis, and regulatory compliance.

## **ESHA Services and Software Solutions**

- Genesis R&D<sup>®</sup> Food Formulation
- Genesis R&D<sup>®</sup> Supplement Formulation
- Food Processor<sup>®</sup> Nutrition & Diet Analysis
- Consulting Services



# Genesis R&D Foods

Genesis R&D<sup>®</sup> was released in 1991 and is designed to help users manage processes and industry challenges, and meet federal requirements.

- Product Development
- Formulation Analysis
- Menu Analysis
- Reporting
- Regulatory Compliance



# Upcoming Webinars



## **Creating Health Canada Dual Format Nutrition Facts Tables with Genesis R&D | September 19, 2018**

During this webinar, we will discuss the Health Canada regulations and requirements for packages that require Dual Format Labels. Additionally, we will demonstrate how to create a Dual Format Label for Different Amounts of Food from a single recipe in the Genesis R&D Food Labeling software.

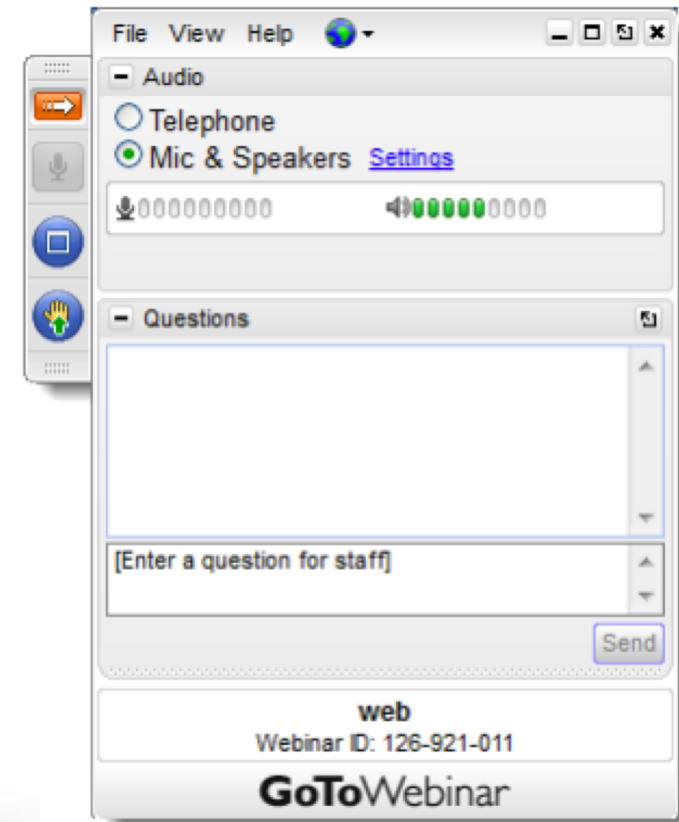
## **Best Practices for Creating and Managing Nutrition Labels for Multiple Countries | October 17, 2018**

There are many aspects to consider when creating products that will be sold and distributed in multiple regions or countries. During this webinar, we will cover considerations and best practices for creating and managing recipes and nutrition labels for multiple countries.

To register or view archived webinars please visit: [www.esharesearch.com/news-events/webinars](http://www.esharesearch.com/news-events/webinars)

# Please Note!

- ✓ The webinar is being recorded
- ✓ All webinars available on our website
- ✓ Submit your questions in the GoToWebinar control panel





# Agenda

- Added Sugars Symbol
- Nutrient Fields
  - Non Digestible Carbohydrates renamed
  - Sort alphabetically
- Canadian Dual Format Label
- Q&A

# FDA Draft Nonbinding Recommendations



Nutrition Facts	
8 servings per container	
<b>Serving size 1 cup (240ml)</b>	
<b>Amount per serving</b>	
<b>Calories</b>	<b>110</b>
<b>% Daily Value*</b>	
<b>Total Fat</b> 0g	<b>0%</b>
Saturated Fat 0g	<b>0%</b>
Trans Fat 0g	
<b>Cholesterol</b> 0mg	<b>0%</b>
<b>Sodium</b> 5mg	<b>0%</b>
<b>Total Carbohydrate</b> 27g	<b>9%</b>
Dietary Fiber 0g	<b>0%</b>
Total Sugars 25g	
Includes 23g Added Sugars	<b>54%†</b>
<b>Protein</b> 0g	
Vitamin D 0mcg	0%
Calcium 0mg	0%
Iron 0mg	0%
Potassium 45mg	1%

\* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.



Consumer Nonbinding Recommendations Draft-Not for Implementation	
<b>The Declaration of Added Sugars on Honey, Maple Syrup, and Certain Cranberry Products: Guidance for Industry</b>	
<b>Draft Guidance</b>	
<i>This guidance is being distributed for comment purposes only.</i>	
<p>Although you can comment on any guidance at any time (see 21 CFR 10.115(g)(5)), to ensure that FDA considers your comment on this draft guidance before we begin work on the final version of the guidance, submit either electronic or written comments on the draft guidance within 60 days of publication in the Federal Register of the notice announcing the availability of the draft guidance. Submit electronic comments to <a href="http://www.regulations.gov">http://www.regulations.gov</a>. Submit written comments to the Docket Management Staff (2FF-A-302), Food and Drug Administration, 5630 Fishers Lane, rm. 3B61, Rockville, MD 20852. All comments should be identified with the docket number FDA-2018-D-0075 listed in the notice of availability that publishes in the Federal Register.</p> <p>For questions regarding this draft document contact the Center for Food Safety and Applied Nutrition (CFSAN) at 240-403-1450.</p>	
<p>U.S. Department of Health and Human Services Food and Drug Administration Center for Food Safety and Applied Nutrition February 2018</p>	

“Given the concerns outlined earlier regarding the added sugars declaration on **pure honey, pure maple syrup**, and certain **cranberry products** described here (dried cranberries and cranberry juice sweetened with added sugars that provide an amount of total sugars in a serving that does not exceed the level of total sugars in a serving of a comparable product with no added sugars), we intend to exercise enforcement discretion for such products to use a “†” symbol immediately following the added sugars percent Daily Value”

† Sugars added to improve the palatability of naturally tart cranberries. The 2015-2020 Dietary Guidelines for Americans state that there is room for limited amounts of Added Sugars in the diet, especially from nutrient dense food like naturally tart cranberries.

Nutrition Facts	
16 servings per container	
<b>Serving size 1 Tbsp. (21g)</b>	
<b>Amount per serving</b>	
<b>Calories</b>	<b>60</b>
<b>% Daily Value*</b>	
<b>Total Fat</b> 0g	<b>0%</b>
Saturated Fat 0g	<b>0%</b>
Trans Fat 0g	
<b>Cholesterol</b> 0mg	<b>0%</b>
<b>Sodium</b> 0mg	<b>0%</b>
<b>Total Carbohydrate</b> 17g	<b>6%</b>
Dietary Fiber 0g	<b>0%</b>
Total Sugars 17g	
Includes 17g Added Sugars	<b>34%†</b>
<b>Protein</b> 0g	
Vitamin D 0mcg	0%
Calcium 0mg	0%
Iron 0mg	0%
Potassium 0mg	0%

\* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.



† All these sugars are naturally occurring in honey.



# Factual Statement

- Factual statement about the pure honey, pure maple or cranberry products
- Considerations: clear, concise, consumer-friendly, compliant

† All of these sugars are naturally occurring in honey.

† Sugars added to improve the palatability of naturally tart cranberries. The 2015-2020 Dietary Guidelines for Americans state that there is room for limited amounts of Added Sugars in the diet, especially from nutrient dense food like naturally tart cranberries.



# Non-Digestible Carbohydrate - Field Names



- Formerly known as the “Other Fibers”
- Renamed “Non-Digestible Carbohydrates” to agree with FDA terminology

Ingredient: goat milk, with vitamin D

\*%DV based on US Label 2016 standards.  
Nutrient values based on 100.00 grams

Nutrients	Value	% DV*
Total Dietary Fiber (g)	0	
Total Soluble Fiber (g)	0	
Total Insoluble Fiber (g)	0	
Dietary Fiber (2016) (g)	0	0
Soluble Fiber (2016) (g)	0	
Insoluble Fiber (2016) (g)	0	
Other Dietary Fiber (2016) (g)		
Other Soluble Fiber (2016) (g)		
Other Insoluble Fiber (2016) (g)		
Non-digestible Carbohydrate (g)	0	
Soluble Non-digestible Carbohydrate (g)	0	
Insoluble Non-digestible Carbohydrate (g)	0	

Show All Nutrients    Alphabetize Nutrients    Auto Calculations

Decimal Places: 2



# B Vitamins

- Vitamin B1 – Thiamin
- Vitamin B2 – Riboflavin
- Vitamin B3 - Niacin

Nutrients
Vitamin B1 - Thiamin (mg)
Vitamin B2 - Riboflavin (mg)
Vitamin B3 - Niacin (mg)
Vitamin B3 - Niacin Equiv (mg)





# Alphabetize Nutrients by Name

- Ingredient – nutrient entry/view window
- Recipe – nutrient view window
- Sorted within
  - View all Nutrients
  - Nutrients to View set you have selected

Recipe Information

Nutrient values based on 75.08 grams

Nutrients	Value
Arginine (g)	0.10
Artificial Sweetener (mg)	0
Ash (g)	0.27
Aspartame (mg)	0
Aspartic Acid (g)	0.14
Beta-Carotene (mcg)	29.77
Beta-Carotene Equiv (mcg)	34.47
Biotin (mcg)	1.08
Boron (mcg)	119.63
Caffeine (mg)	0
Calcium (mg)	7.79
Calories (kcal)	98.21
Calories from Fat (kcal)	35.94
Calories from SatFat (kcal)	13.94
Calories from TransFat (kcal)	0
Carbohydrate (Available) (g)	18.28
Carbohydrates (a)	19.41

Show All Nutrients    Alphabetize Nutrients    Show Analysis Override    Auto Calc

Decimal Places: 2



# Canadian Dual Format Label – Different Amounts of Food

**1st Level Options**

Nutrition Facts		
Per HM1 (MM1)		
	HM1 (MM1)	HM2 (MM2)
<b>Calories</b>	####	####
	% Daily Value*	
<b>Fat ## g†</b>	## %	## %
Saturated ## g	## %	## %
+ Trans ## g		
<b>Carbohydrate ## g</b>		
Fibre ## g	## %	## %
Sugars ## g	## %	## %
<b>Protein ## g</b>		
<b>Cholesterol ### mg</b>		
<b>Sodium #### mg</b>	## %	## %
<b>Potassium #### mg</b>	## %	## %
<b>Calcium #### mg</b>	## %	## %
<b>Iron ## mg</b>	## %	## %

† Amount in HM1

\* 5% or less is a little, 15% or more is a lot

Dual Format –  
Different Amounts of Food  
figures 12.1–12.6


or

Nutrition Facts / Valeur nutritive			
Per HM1 (MM1) / pour MD1 (MM1)			
	HM1 (MM1) MD1 (MM1)	HM2 (MM2) MD2 (MM2)	
<b>Calories</b>	####	####	
	% Daily Value* / % valeur quotidienne*		
<b>Fat / Lipides ## g†</b>		## %	## %
Saturated / saturés ## g		## %	## %
+ Trans / trans ## g			
<b>Carbohydrate / Glucides ## g</b>			
Fibre / Fibres ## g		## %	## %
Sugars / Sucres ## g		## %	## %
<b>Protein / Protéines ## g</b>			
<b>Cholesterol / Cholestérol ### mg</b>			
<b>Sodium #### mg</b>		## %	## %
<b>Potassium #### mg</b>		## %	## %
<b>Calcium #### mg</b>		## %	## %
<b>Iron / Fer ## mg</b>		## %	## %

† Amount in HM1 / Teneur pour MD1

\* 5% or less is a little, 15% or more is a lot  
\* 5% ou moins c'est peu, 15% ou plus c'est beaucoup

Bilingual Dual Format –  
Different Amounts of Food  
figures 13.1–13.4



**Steps:**

1. Manufacturers may choose format 12 or 13.
2. Within the desired format, choose the largest version of the format that will fit on 15% ADS and one continuous surface of the package.
3. All 1st level options must be exhausted before proceeding to next level

Different Amounts of Food may be used whenever it is suitable to provide nutrition information for a food in more than one amount.

For instance, foods may have different uses and be consumed in different amounts, or be shown in different units of measurement.

# Canadian Dual Format Label in Genesis R&D



- For Different Amounts of Foods
  - Report two amounts of the same food
  - HM = Household Measure
  - MM = Metric Measure
- Create in Recipe or in Advanced Labels
- First column relates to the serving size
  - Dagger symbol within the label next to quantitative amounts refers to a footnote at the bottom of label

<b>Nutrition Facts</b>		
Per 2 slices (30 g)		
	2 slices (30 g)	1 slice (15 g)
<b>Calories</b>	<b>80</b>	<b>40</b>
	% Daily Value*	
<b>Fat</b> 1.5 g <sup>†</sup>	2 %	1 %
Saturated 0.2 g	1 %	1 %
+ Trans 0 g		
<b>Carbohydrate</b> 15 g		
Fibre 2 g	7 %	4 %
Sugars 1 g	1 %	1 %
<b>Protein</b> 3 g		
<b>Cholesterol</b> 0 mg		
<b>Sodium</b> 105 mg	5 %	2 %
Potassium 100 mg	2 %	1 %
Calcium 10 mg	1 %	0 %
Iron 1 mg	6 %	3 %
<sup>†</sup> Amount in 2 slices		
* 5% or less is a <b>little</b> , 15% or more is a <b>lot</b>		



# Genesis R&D Training

## **Genesis Advanced Training | August 15-16, 2018 | Oak Brook, IL**

This workshop session covers advanced topics in detail such as new FDA labeling regulations, due diligence and documentation for transitioning to the new labels, new program features, PDCAAS (protein digestibility score), range formulas, advanced labels, and more.

## **Genesis Professional + Menu Label Training | September 12-13, 2018 | Oak Brook, IL**

This training session covers ingredient creation and recipe/menu building, best practices, and analysis reporting specific to restaurants, grocery stores, and those who have to comply with the FDA's Menu Labeling regulations. Additionally, we will discuss how Genesis R&D helps you comply with the Menu Labeling regulations.

## **Genesis Professional Training | October 10-11, 2018 | Oak Brook, IL**

This training session covers the fundamentals of the Genesis R&D Food program: creating ingredients, building recipes/formulas, obtaining nutrition analysis, analysis reporting, best practices, and basic labeling features.

**Learn more:** <https://www.esha.com/news-events/training-schedule/>

QUESTIONS?



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