



WEBINAR



Genesis R&D Foods Version 11.11 Update Overview

Presented by **ESHA Research**

Wednesday, Nov 17, 2021

11:00 AM PT | 1:00 PM CT | 2:00 PM ET



ESHA Research

ESHA Research was established in 1981 as one of the very first nutrition software solutions. 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 Solutions

- Genesis R&D[®] Food Formulation
- Genesis R&D[®] Supplement Formulation
- Food Processor[®] Nutrition & Diet Analysis
- Consulting Services

Our mission is to help remove the complexity of product development and regulatory compliance for the food, beverage, and supplement industries through software, services, and nutritional databases.



Genesis R&D Foods

Genesis R&D Foods, first released in 1991, is designed to help users manage processes, overcome industry challenges, and meet federal requirements. Industry professionals use Genesis R&D for quick and accurate nutrient evaluation, virtual product development, nutrition labeling, and regulatory compliance.

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





Stay Tuned for the 2022 Schedule!

Recorded Webinars on Allergens

- Genesis R&D Foods 101 Part 4: Allergens
- How to Comply with the FASTER Act

101 Webinar Series

- Genesis R&D 101 Part 1: **Ingredients**
- Genesis R&D 101 Part 2: **Recipes**
- Genesis R&D 101 Part 3: **Ingredient Statement**

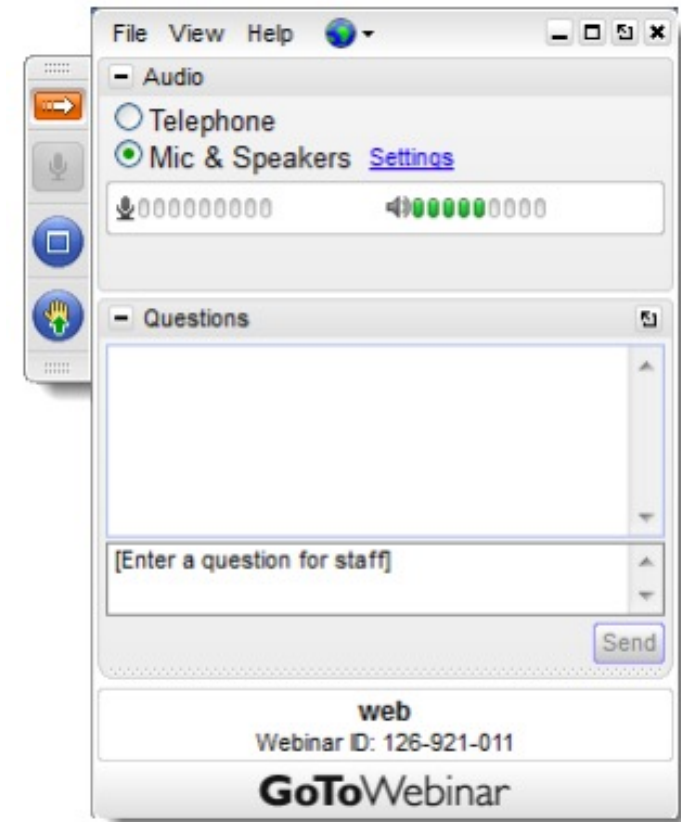
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- ✓ All webinars available on our website
- ✓ Submit your questions in the GoToWebinar control panel
- ✓ We'll email a copy of the recording and the slides following the webinar

WEBINAR



What We'll Cover Today

- Feature Enhancements
- Sesame – U.S. Allergen
- Nutrient Content Claims
- Menu Label Updates
- Q&A





What Version Am I Running?

- **Cloud-hosted Subscribers** - Always have access to the most current version of the software
- **Desktop Installed** - See the About button in your Genesis R&D for version and licensing information:



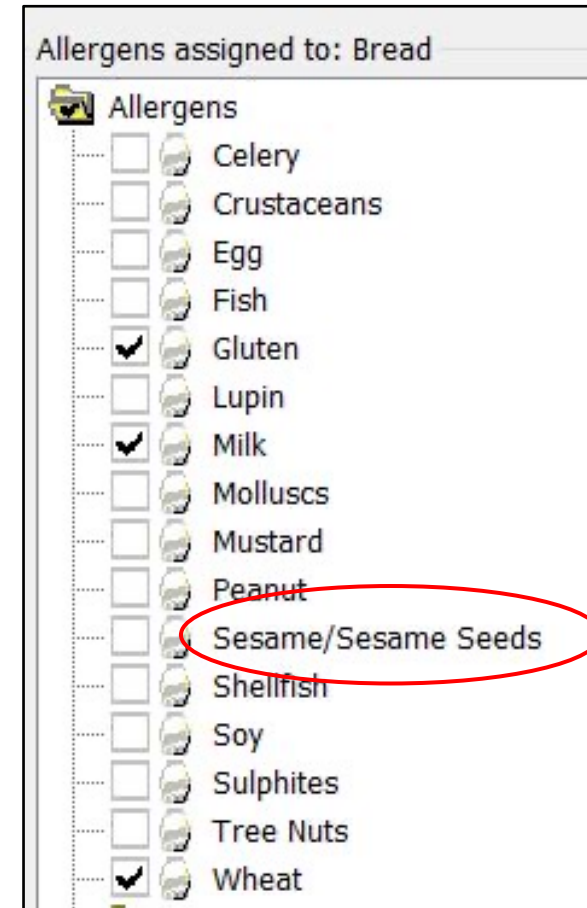
For information on converting to a Cloud license, contact sales@esha.com



Allergens - Sesame

“Sesame/Sesame Seeds”

- “Sesame Seeds” has existed as an allergen in Genesis R&D for some time
- Sesame added to the list of Allergens to be tracked and reported for U.S. labeling
 - Per FASTER Act requirements
- U.S. uses “Sesame” as the allergen term
 - Appropriate allergen term is used based on the Country/Authority that you select
- Review your Ingredient records and your Allergen statements





Nutrient Content Claims – U.S.

- Some display revisions
- “Reference Amount” column header
- Updated footnotes on Claims screen
- Disclosure Statement included with Claims when appropriate

**Excellent Source of
Dietary Fiber**

Low in Sodium

Good Source of Vitamin D



Nutrient Content Claims – U.S. Changes

- “Reference Amount” in the column header
- Footnotes
 - Regulation
 - Disclaimers
 - “RACC”
 - View Label direct

Show	Description	Selected Claim	Claims are Available?	Reference Amount
<input checked="" type="checkbox"/>	Calories		<input type="checkbox"/>	90kcal
<input checked="" type="checkbox"/>	Total Fat	Low Fat	<input checked="" type="checkbox"/>	1g
<input checked="" type="checkbox"/>	Saturated Fat	Low Saturated Fat	<input checked="" type="checkbox"/>	0.5g
<input checked="" type="checkbox"/>	Cholesterol	Low Cholesterol	<input checked="" type="checkbox"/>	0mg
<input checked="" type="checkbox"/>	Sodium		<input type="checkbox"/>	220mg
<input checked="" type="checkbox"/>	Total Sugar		<input type="checkbox"/>	2g
<input checked="" type="checkbox"/>	Protein	No PDCAA Set	<input type="checkbox"/>	--%DV
<input checked="" type="checkbox"/>	Dietary Fiber		<input type="checkbox"/>	4%DV
<input checked="" type="checkbox"/>	Potassium		<input type="checkbox"/>	0%DV
<input checked="" type="checkbox"/>	Vitamin A		<input type="checkbox"/>	2%DV

Claims Based On: United States
Genesis R&D can make an initial claim assessment, additional claim verification may be required.
See the CFR for guidance for Meal Products or Main Dishes as defined in 21 CFR 101.13I and 101.13m.

RACC = Reference Amount Customarily Consumed
See View Label for final claims information.

OK Cancel

Nutrient Content Claims – U.S. Disclosure Statement



- If a claim is made
- Based on thresholds, the disclosure statement will appear
 - Fat 13 g
 - Saturated Fat 4 g
 - Cholesterol 60 mg
 - Sodium 480 mg
- Disclosure statement lists the nutrient or nutrient that exceeds the threshold(s)

High Fiber
Excellent source of Iron
See nutrition information for fat, cholesterol and sodium content.



Nutrient Content Claims - Canada

- Revisions per comments from Health Canada on sections of the regulations that needed to be clarified
 - Unrounded nutrient amounts for both Reference Amount and Per Serving
- Nutrient content amounts listed in two columns for easier identification
 - Per Reference Amount
 - Per Serving

Show	Description	Selected Claim	Claims are Available?	Reference Amount	Per Serving
<input type="checkbox"/>	Energy and Calories	Contains Calories	✓	256.19kcal	256.19kcal
<input type="checkbox"/>	Protein		⊘	10.83g	10.83g
<input type="checkbox"/>	Fat	Extra lean	✓	4.52g	4.52g
<input type="checkbox"/>	Saturated fatty acids	Low saturated fatty acids	✓	0.89g	0.89g
<input type="checkbox"/>	Trans fatty acids	Free of trans fatty acids	✓	0.04g	0.04g
<input type="checkbox"/>	Omega-3 polyunsaturated fatty acid		⊘	0.22g	0.22g
<input type="checkbox"/>	Omega-6 polyunsaturated fatty acid		⊘	1.72g	1.72g
<input type="checkbox"/>	Cholesterol	Low cholesterol	✓	2.17mg	2.17mg
<input type="checkbox"/>	Sodium (Salt)	Words to the effect that the food is "for special dietary use" with respect to the sodium (salt) content	✓	3.23mg	3.23mg
<input type="checkbox"/>	Potassium	Contains potassium	✓	347.74mg	347.74mg
<input type="checkbox"/>	Carbohydrate and sugars		⊘	10.34g	10.34g

Claims Based On: Canada

OK Cancel

Comparative Nutrient Content Claims – Canada



- Comparative Claims
 - Reduced
 - Lower
 - More
 - Light – energy or fat
- Reference Recipe needed to establish the comparison
- Genesis R&D displays the three columns
 - Compares Reference Amount to Reference Recipe - Reference Amount

Recipe Information

Recipe

Nutrients

Measures

Brix Calculation

Cost

Groups

Attributes

Compare To

Preparation Method

Reference Amount

Nutrient Content Claims

Notes

Reference Recipe

Webinar Marinade

Show	Description	Selected Claim	Claims are Available?	Reference Amount	Per Serving	Reference Recipe
<input checked="" type="checkbox"/>	Sodium (Salt)	Lower sodium	✓	85.64mg	85.64mg	195.34mg
		Claims		Qualifies? Regulation		
<input type="radio"/>	Lightly salted	Lightly salted	✓	Table following B.01.513, item 36		
		Qualifying Conditions				
<input type="radio"/>	No added sodium or salt	Unsalted	?	Table following B.01.513, item 35		
		Claim Qualifies (User verification required)				
		Qualifying Conditions				
<input checked="" type="radio"/>	Lower in sodium or salt	Lower sodium	✓	Table following B.01.513, item 34		
		Qualifying Conditions				
<input type="radio"/>	Reduced in sodium or salt	Reduced sodium	✓	Table following B.01.513, item 33		
		Qualifying Conditions				



Canada Label Punctuation

- Canadian periods vs commas
- If English only, label shows periods
- If French only, label shows commas
- If bilingual, the order of primary language selected determines the punctuation

Nutrition Facts	
Per 2 cookies (30 g)	
Calories 140	% Daily Value*
Fat 6 g	8 %
Saturated 3.5 g + Trans 0.2 g	19 %
Carbohydrate 19 g	
Fibre 0 g	0 %

Valeur nutritive	
pour 2 biscuits (30 g)	
Calories 140	% valeur quotidienne*
Lipides 6 g	8 %
saturés 3,5 g + trans 0,2 g	19 %
Glucides 19 g	
Fibres 0 g	0 %

Canada	
Display 'Serving Size' as	per / pour
Display 'Servings Per Container' as	Per Contain
Language Order	
Primary	English
Secondary	French

Nutrition Facts		Valeur nutritive	
Per 2 cookies (30 g)		pour 2 biscuits (30 g)	
Calories 140	% Daily Value*	Calories 140	% valeur quotidienne*
Fat / Lipides 6 g	8 %	Saturés / saturés 3.5 g	19 %
Saturated / saturés 3.5 g + Trans / trans 0.2 g			
Carbohydrate / Glucides 19 g			
Fibre / Fibres 0 g	0 %		



Menu Label - Revisions

- On-screen revisions
- Menu Label Report
- Nutrients to View set for U.S. Menu Labeling 2016
 - Note: Menu Labeling regulations were established prior to FDA 2016 Nutrition Facts changes. Regulations default to the 1990 set of nutrients, however per the regulations, the 2016 set of label nutrients can be used for menu labeling purposes.

Menu Label Webinar Menu Lab... x

Menu Label Webinar Menu Label 20

Search

Advanced Search...

Item Name	Quantity	Measure	ESHA Code	Total Weight (g)	Product
<input checked="" type="checkbox"/> Sandwiches					
Grilled Chicken Sandwich	1	Each		230	USDA: Fast Food
Tuna Salad Sandwich	1	Each	86607	165	UK Database
Turkey Sub	1	Each	93651	184	USDA: Fast Food
<input checked="" type="checkbox"/> Side Dishes					
Potato Salad	1/3	Cup		95	USDA: Fast Food
BBQ Potato Chips	1	Ounce-weight	15690	28	Kettle Foods
Coleslaw	1	Cup	5461	191	USDA: Fast Food
<input checked="" type="checkbox"/> Beverages (0 - 160 Cals)					
Water	1	Cup	90073	237	Research
Chocolate Milk	1	Cup	19	250	USDA
Coca-Cola	12	Fluid ounce	20148	355	Coca-Cola
<input checked="" type="checkbox"/> Combo Meals (380 - 560 Cals)					
Chicken Sandwich with Potato Salad	1	Serving		325	
Chicken Sandwich with BBQ Potato Chips	1	Serving		258	
Tuna Salad Sandwich with Potato Salad	1	Serving		260	
Tuna Salad Sandwich with BBQ Potato Chips	1	Serving		193	



Menu Label Report - Columns

- “Additional Columns” drop-down menu
 - %DV shows for the nutrients that have DRVs/RDIs (except protein)
- Shows menu label (1990) nutrients by default; uncheck to show selected Nutrients to View
- Shows which set of Nutrients to View is selected
- Nutrients to View button in screen

Item Name	Quantity	Measure	Cals (kcal)	FatCals (kcal)	Fat (g)	SatFat (g)	TransFat (g)	Chol (mg)
Coffees								
coffee, brewed, with tap water	1	Cup	0	0	0	0	0	0
latte plain	1	Regular	190	45	5	3.5	0	20
Baked Goods								
english muffin, brown rice, gluten free	0.5	Each	110	10	1	0	0	0
doughnut, cake, long twist	1	Each	230	120	13	6	--	5
muffin, blueberry, large, 2 3/4" x 3 1/4"	1	Each	520	200	22	4	0	40
Fresh Options								
apple, fresh, peeled, large, 3 1/4"	1	Each	100	5	0	0	0	0

Additional Columns

Check All Uncheck All

- User Code
- Gram Weight
- % Daily Value
- Ingredient Statement Name
- Ingredient Statement
- Allergens
- Allergen Statement
- Additional Allergen Statement
- Item Comments
- Attributes
- Price
- Product Code
- Supplier
- Modified Date
- Create Date



Export

- UI Revisions
- Export button with drop-down menu removed
- Export options moved to end of Menu Ribbon
 - Recipe Analysis
 - Recipe File - .exl
 - As Ingredient
 - Label Report – when View Label is open
 - Recipe Sections- select from list





Genesis R&D Training

Genesis R&D Foods Professional + FDA Regulations

This 2-day training session covers the fundamentals of the Genesis R&D Food program with a primary focus on FDA regulations: creating ingredients and composite ingredients, building recipes/formulas, nutrition analysis, moisture loss, reporting, labeling, best practices, and much more. In addition, this session covers a comprehensive FDA regulatory review.

Genesis R&D Foods Advanced Training

The 1-day Advanced session builds upon the skills learned in the Professional training and offers deeper learning on topics including PDCAAS, International Food Labeling, Advanced Label Settings, and more.

Title	Date	Location
Genesis R&D Foods Professional + FDA Regulations Genesis R&D Foods Advanced	Nov. 30 – Dec. 1, 2021 Dec. 2, 2021	Online only
Look for 2022 schedule soon		

Session Options:

- 3-day Combined Professional + Advanced Training
- 2-day Professional Training
- 1-day Advanced Training (Prerequisite: Professional Training)

Contact: training@esha.com or **Visit:** <https://esha.com/news-events/training-schedule/>

QUESTIONS?



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