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
- REX® Regulations Expert Document Search Portal
- 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 Software

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
- Label Creation
- Regulatory Compliance

Upcoming Webinars

Stay Tuned for more webinar topics

Webinar Recording Recap:

August 24, 2022|Integrating Genesis R&D to Improve Your Innovation Workflow

This webinar provided an overview of Genesis R&D Foods and the Genesis R&D API. Guest speakers from FoodChain ID and Chick-Fil-A further presented integration information and use case examples.
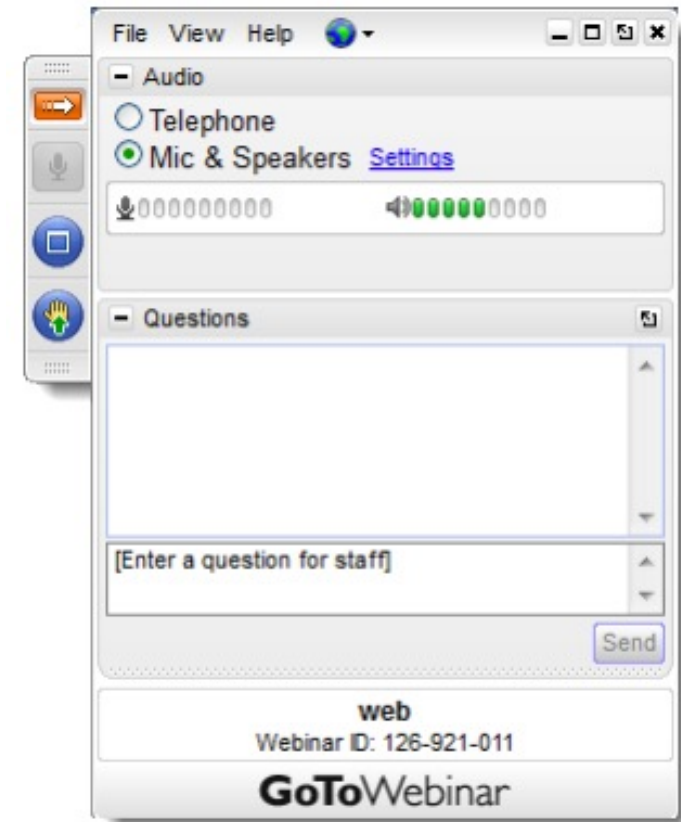
View the recording at: www.esha.com/news-events/webinars

Please Note!

✓The webinar is being recorded

✓All webinars available on our website

✓Submit your questions in the GoToWebinar control panel

✓We'll email a copy of the recording and the slides following the webinar
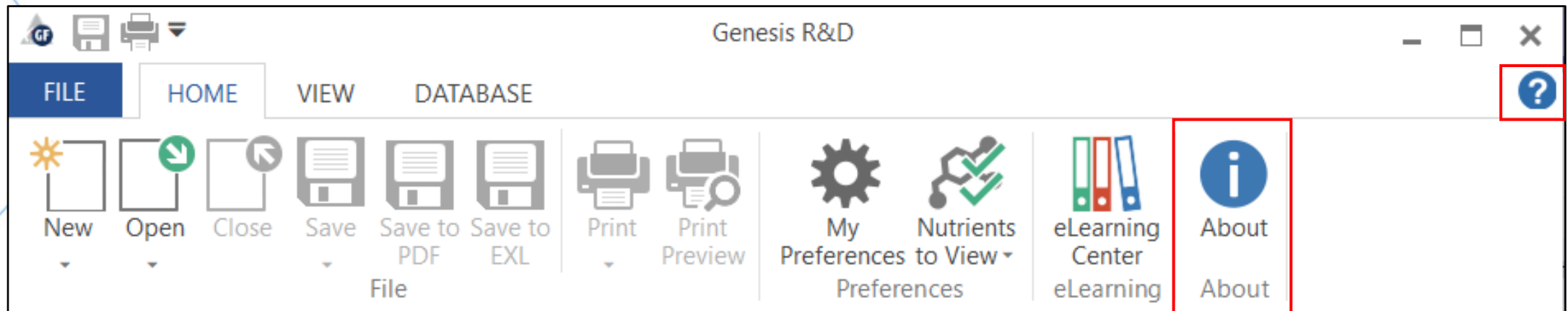
What We'll Cover Today

- Linear Label for Small Packages

- Allergen Display

- Dietary Fiber U.S. 2016 Field

- Net Carbs Calculation

- Canada Labels – Bilingual

- Q&A

Checking Your Version Number

- About button – shows details about your license and the version you're running

- Help icon – access the online user's manual

Linear Label for Small Packages

- Packages with less than 12 sq. in. of total surface area for labeling are exempt from displaying a Nutrition Facts panel (unless claims are made or other nutrition information is provided on the product label or in other labeling and advertising)
- Manufacturers may choose to voluntarily display Nutrition Facts panels on small packages
- The regulations allow for use of text type size no smaller than 6 point on labels for small packages
- Genesis R&D 11.12 includes a small package option for the linear label.
- For additional adjustments, see more Edit Label options

Default – 6-point type for all text:

Nutrition Facts Serving per container: 12, **Serving size: 1 mint (3.5g),** Amount per serving: **Calories 15, Total Fat** 0g (0% DV), Saturated Fat 0g (0% DV), Trans Fat 0g, **Cholesterol** 0mg (0% DV), **Sodium** 0mg (0% DV), **Total Carbohydrate** 3g (1% DV), Dietary Fiber 0g (0% DV), Total Sugars 3g (Includes 3g Added Sugars, 6% DV), **Protein** 0g, Vitamin D 0mcg (0% DV), Calcium 0mg (0% DV), Iron 0mg (0% DV), Potassium 0mg (0% DV). 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.
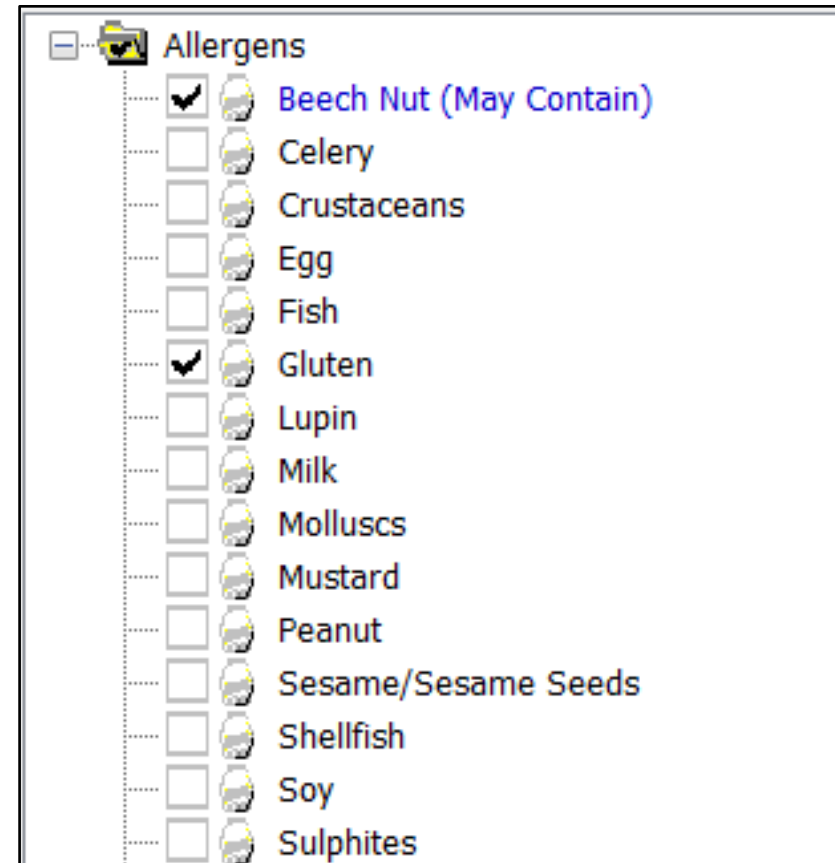
With abbreviations and further edits:

Nutrition Facts Servings: 12, **Serv. size: 1 mint (3.5g),** Amount per serving: **Calories 15, Total Fat** 0g (0% DV), Sat. Fat 0g (0% DV), Trans Fat 0g, **Cholest.** 0mg (0% DV), **Sodium** 0mg (0% DV), **Total Carb.** 3g (1% DV), Fiber 0g (0% DV), Total Sugars 3g (Incl. 3g Added Sugars, 6% DV), **Protein** 0g, Vit. D 0mcg (0% DV), Calcium 0mg (0% DV), Iron 0mg (0% DV), Potas. 0mg (0% DV).

Allergen Display Updated

- Any user-added Allergens entered with the "May Contain" designation will clearly display as such in the list of Allergens, the Allergen screen for Ingredients, and in the Allergen statement dialog.

- On the Allergen Statement screen, any allergens checked "May Contain" will automatically appear in the Additional Allergen Statement.

U.S. Dietary Fiber Field Renamed

Nutrient field name: **"Dietary Fiber (2016)"**

➢ has been updated to: **"Dietary Fiber (US 2016)"** for clarity

See our recent webinar for more details on Dietary Fiber

Nutrients
Total Dietary Fiber (g)
Total Soluble Fiber (g)
Total Insoluble Fiber (g)
Dietary Fiber (US 2016) (g)
Soluble Fiber (US 2016) (g)
Insoluble Fiber (US 2016) (g)
Non-digestible Carbohydrate (g)
Soluble Non-digestible Carbohydrate (g)
Insoluble Non-digestible Carbohydrate (g)

Net Carbs Calculation Updated

Net Carbs are calculated as follows:

If Dietary Fiber (US 2016) *is* populated, then:

> Net Carbs = Total Carbohydrates – (Dietary Fiber (US 2016) + Sugar Alcohols)

If Dietary Fiber (US 2016) *is not* populated, then:

> Net Carbs = Total Carbohydrates – (Total Dietary Fiber + Sugar Alcohols)

Nutrients
Net Carbs (g)

Note:

The FDA has not established a definition for net carbs. Net Carbs is not a U.S. label nutrient. ESHA uses the above calculation based on common discussions about net carbs and provides the field as reference information.

Canadian Label Improvements

- Canadian Nutrition Facts tables default to Bilingual, for easier, quicker label creation

- There are a few exceptions, like the narrow labels

- You can choose to create unilingual labels in the Edit Label settings

Nutrition Facts
Valeur nutritive
Per 1/8 of cake (80 g)
pour 1/8 de gâteau (80 g)

	% Daily Value* % valeur quotidienne*
Calories 90	
Fat / Lipides 1 g	1 %
Saturated / saturés 0.3 g + Trans / trans 0 g	2 %
Carbohydrate / Glucides 18 g	
Fibre / Fibres 1 g	4 %
Sugars / Sucres 9 g	9 %
Protein / Protéines 3 g	
Cholesterol / Cholestérol 30 mg	
Sodium 150 mg	7 %
Potassium 40 mg	1 %
Calcium 30 mg	2 %
Iron / Fer 0.75 mg	4 %

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

Genesis R&D Training

Location Options:

- ESHA Training Center (Oak Brook, IL)
- Online

Session Options:

- Professional (12 CPE Credits)
- Advanced* (6 CPE Credits)
- Combined Professional and Advanced

*(**Prerequisite**: Professional Training)*

Location	Dates	Course
Online	Sept 12-15, 2022 Sept 20-21, 2022	4-Day Genesis R&D Foods Professional 2-Day Genesis R&D Foods Advanced
ESHA Training Center	Oct 18-19, 2022 Oct 20, 2022	2-Day Genesis R&D Foods Professional 1-Day Genesis R&D Foods Advanced
Online	Nov 7-10, 2022 Nov 15-16, 2022	4-Day Genesis R&D Foods Professional 2-Day Genesis R&D Foods Advanced

Course Overview

Genesis R&D Foods Professional - This 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 regulatory review.

Genesis R&D Foods Advanced Training - The 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.

Learn More:

- Visit www.esha.com for the full list of upcoming classes.

- Does your organization need group training? Contact training@esha.com

QUESTIONS?

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