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 Food

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
Upcoming Webinars

2016 Nutrition Labeling Guidelines Review | July 17, 2019
The January 1, 2020, deadline to comply with the FDA’s Final Rule on Food Labeling is quickly approaching. Join us on July 17, 2019, for a review of the key regulatory changes and a detailed discussion on how Genesis R&D can assist with compliance.

Working with Proprietary Blends in Genesis R&D Supplements | July 31, 2019
Genesis R&D Supplements offers supplement formulators the ability to create proprietary blends, and then incorporate them into final formulations. During this webinar, we will demonstrate how to create a proprietary blend, add it to a final formula and review a variety of display options on the supplement facts label.

To register or view archived webinars please visit: 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
What we’ll cover today

• User Interface (UI) Changes
• Bioengineered Brief Summary
• Attributes
• Q&A
UI Changes

• My Preferences
• Advanced Search
• Ingredient Statement field names
• Nutrients to View sets renamed and new sets added
• Canadian Labels use Compendium dimensions
• Additional minor changes
My Preferences

Determine and save the settings that you need
• Each login for the Cloud
• Each individual person for on premise

Tutorial: https://www.esha.com/tutorials/understanding-using-preferences/
Advanced Search

Version 11.7
Advanced Search (formerly called the More Search)

Version 11.6
Previously looked like this

Tutorial: https://www.esha.com/tutorials/advanced-search-finding-ingredients-within-recipes/
Edit Recipe Button

Version 11.7
Use the Edit Recipe button on the ribbon

Version 11.6
Previously looked like this:
Ingredient Statement Fields

• “Ingredient Statement Name” was “Alternate Name”
• “Sub Ingredients” was “Ingredient Statement”
Nutrients to View

• Friendlier nutrient set names
• Reorganized by type
  • Basics
  • Food Groups
  • Label Sets
• EU Energy set added
• Mexico label sets added
• Your user added sets will appear at the top in alphabetical order

Tutorial: https://www.esha.com/tutorials/using-nutrients-to-view-effectively/
Canadian Label Dimensions

- **Compendium of Templates: Nutrition Facts Tables and List of Ingredients** – Health Canada

- Default settings begin with dimensions outlined by the Compendium

- As you edit the information in the label, dimensions may change to fit nutrient names, values, etc.

- Edit Label: Object Properties shows label dimensions for your label
Canadian Label – Dimensions View

- View Label
- Click on the label to see dimensions at the bottom of window
DRI Updates for Sodium and Potassium

- National Academies of Sciences, Engineering, and Medicine
- Adequate Intakes (AI) revised for some age groups
- AI = recommended nutrient level that covers the needs of healthy individuals in an age group
- In Genesis, DRIs are used to compare specific age group profiles on reports other than the Nutrition Facts labels
  - Multi-Column
  - Bar Graph
- Use “Compare to” in Recipe settings to select specific DRI sets
Bioengineered Foods Brief

• National Bioengineered Food Disclosure Standard (NBFDS)
• “Bioengineered Foods” proper term to use
• Definition: bioengineered foods are “those that contain detectable genetic material that has been modified through certain lab techniques and cannot be created through conventional breeding or found in nature.”
• Implementation date: January 1, 2020 (voluntary compliance)
  • Extended implementation date: January 1, 2021 for small food manufacturers ($2.5M to <$10M)
• Mandatory compliance date: January 1, 2022
  • Exempt:
    • Very small food manufacturers – annual receipts of <$2.5M
    • Restaurants and similar retail food establishments (cafeterias, food trucks, airplanes, etc.)
    • Highly refined foods with undetectable modified genetic material and some meats
• Disclosure
  • Text on package
  • USDA approved symbol
  • Electronic or digital disclosure, e.g. QR code
  • Text message disclosure
Attributes

• Categorize and document properties or characteristics of foods
• Assign to Ingredients and Recipes
• Ingredient Attributes can carry forward to Recipes
• Set a rule for each Attribute
• Attach documentation
• Can migrate existing Groups to Attributes
Attributes Indicators

- = yes, attribute applies
- = no, attribute does not apply
?? = unknown
Attributes Rules

• “All items in the food must have attribute”
  or
• “At least one item in the food must have the attribute”
• Example: Bioengineered – if one ingredient meets the determination of bioengineered, then the Recipe could be considered bioengineered.
Genesis R&D Training

Genesis R&D Training | July 10-12, 2019 | Oak Brook, IL
Professional and/or Advanced training session. The first two days cover the fundamentals of the Genesis R&D Food program: creating ingredients, building recipes/formulas, nutrition analysis and reporting, labeling, and best practices. In addition, you can attend a third day of Advanced instruction, or just attend the Advanced session as a single day. Advanced training presents more complex scenarios and more comprehensive regulatory issues.

Genesis R&D Training | August 20-22, 2019 | Oak Brook, IL
Professional and/or Advanced training session. See description above.

Genesis R&D Training | October 8-10, 2019 | Oak Brook, IL
Professional, and/or Advanced training session. See description above.

Genesis R&D Training | November 5-7, 2019 | Oak Brook, IL
Professional, and/or Advanced training session. See description above.

See the Full Schedule: https://www.esha.com/news-events/training-schedule/
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