Genesis R&D® Food Version 11.4
Overview Webinar

Presented by ESHA Research
Wednesday, September 6, 2017
11:00 AM PDT | 1:00 PM CDT | 2:00 PM EDT
About ESHA Research

ESHA Research was established in 1981 with the goal of providing a comprehensive nutrition database with few missing values.

Our Solutions Include
• Food Formulation & Labeling Software
• Restaurant Menu Analysis & Labeling Software
• Supplement Formulation & Labeling Software
• Nutrition & Diet Analysis Software
• Consulting Services
Genesis R&D

Food Analysis & Labeling Software

• Released in 1991
• Pre & Post 2016 Label formats
• Product Development
• Menu Analysis
• Nutrient Analysis
• Nutrient Search
• Reporting Features
• Audit Trails

• US, Canada, Mexico, & EU Label Formats
• Labeling & Compliance
  – Allergen Statements
  – Ingredient Statements
  – Nutrient Content Claims
3 Ways to Share Genesis R&D Data Internally & Externally | September 19, 2017

ESHA Workflow tools enable you to share your data with clients, consumers, and 3rd party ERP systems without ever having to re-enter information. During this 30-minute webinar, we will cover the various options for importing and exporting your ingredients, recipes, reports, and labels, as well as the benefits of each option.

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
Today’s Agenda

During this 45 minute webinar we will cover:

• Attachments
• Enhanced Label Options
  – Shortened Labels
  – Options for Small Packages
  – Rounding Rules Option
• Nutrient Content Claims
• Online Help
• DataLink & TraceGains
• Q&A
Attachments

**What**: Ability to attach documents

**Why**: You requested it!

**Where**: Ingredients, Recipes, Adv. Labels, Food Menu

**How**: Drag and drop or upload from your computer
Shortened Label

**What:** Adjust location of insignificant nutrients

**Why:** Part of the CFR

**Where:** Edit Label / Format & Nutrient Options

**How:** Show insignificant footnote, then decide which nutrients to include
Small Package Options

**What:** Remove quantitative data & hide % DV footnote in tabular or linear label

**Why:** User requests, supported by FDA

**Where:** Edit Label / Format Options

**How:** Can be used to save space on small packages
**Rounding Rules Draft Guidance**

**What:** Apply FDA Draft Guidance Rounding Rules

**Why:** User requests, supported by FDA

**Where:** Edit Label/Format Options

**How:** Click “Use FDA Guidance for nutrient rounding”

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Unit of Measure</th>
<th>RDI for Adults and Children ≥ 4 years</th>
<th>Recommended increment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin A</td>
<td>Micrograms RAE</td>
<td>900</td>
<td>Nearest 10 mcg</td>
</tr>
<tr>
<td></td>
<td>(mcg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vitamin C</td>
<td>Milligrams (mg)</td>
<td>90</td>
<td>Nearest mg</td>
</tr>
<tr>
<td>Calcium</td>
<td>Milligrams (mg)</td>
<td>1,300</td>
<td>Nearest 10 mg</td>
</tr>
<tr>
<td>Iron</td>
<td>Milligrams (mg)</td>
<td>18</td>
<td>Nearest .1 mg</td>
</tr>
<tr>
<td>Vitamin D</td>
<td>Micrograms (mcg)</td>
<td>20</td>
<td>Nearest .1 mcg</td>
</tr>
<tr>
<td>Vitamin E</td>
<td>Milligrams (mg)</td>
<td>15</td>
<td>Nearest .1 mg</td>
</tr>
<tr>
<td>Vitamin K</td>
<td>Micrograms (mcg)</td>
<td>120</td>
<td>Nearest mcg</td>
</tr>
<tr>
<td>Thiamin</td>
<td>Milligrams (mg)</td>
<td>1.2</td>
<td>Nearest .1 mg</td>
</tr>
<tr>
<td>Riboflavin</td>
<td>Milligrams (mg)</td>
<td>1.3</td>
<td>Nearest .1 mg</td>
</tr>
<tr>
<td>Niacin</td>
<td>Milligrams NE (mg)</td>
<td>16</td>
<td>Nearest .1 mg</td>
</tr>
<tr>
<td>Vitamin B₆</td>
<td>Milligrams (mg)</td>
<td>1.7</td>
<td>Nearest .1 mg</td>
</tr>
</tbody>
</table>
Changes in Daily Values

Increases:
- Dietary Fiber: 28 gm (up from 25 gm)
- Potassium: 4700 mg (up from 3500 mg)
- Calcium: 1300 mg (up from 1000 mg)
- Vitamin C: 90 mg (up from 60 mg)
- Total Fat: 78 gm (up from 65 gm)
- Phosphorus: 1250 mg (up from 1000 mg)
- Vitamin K: 120 mcg (up from 80 mcg)
- Magnesium: 420 mg (up from 400 mg)
- Manganese: 2.3 mg (up from 2 mg)

Decreases:
- Sodium: 2300 mg (down from 2400 mg)
- Vitamin B6: 1.7 mg (down from 2 mg)
- Thiamin: 1.2 mg (down from 1.5 mg)
- Chromium: 35 mcg (down from 120 mcg)
- Copper: 0.9 mg (down from 2 mg)
- Zinc: 11 mg (down from 15 mg)
- Thiamin: 1.2 mg (down from 1.5 mg)
- Niacin: 16 mg NE (down from 20 mg)
- Chloride: 2300 mg (down from 3400 mg)
- Biotin: 30 mcg (down from 300 mcg)
- Molybdenum: 45 mcg (down from 75 mcg)
- Pantothenic Acid: 5 mg (down from 10 mg)

Total Carbs: 275 gm (down from 300 gm)
Riboflavin: 1.3 mg (down from 1.7 mg)
Vitamin B12: 2.4 mcg (down from 6 mcg)
Selenium: 55 mcg (down from 70 mcg)

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Nutrient Content Claims (NCC)

**What:** NCC based on 2016 label DVs

**Why:** Changes in daily values

**Where:** Recipe toolbar

**How:** Label type (edit label) will drive claims

**Example:** 8 mg Vitamin C

1990 – 60 mg  13% good source
2016 – 90 mg   8%  ----
DataLink Integration

**What:** DataLink is an add-on integration module that connects TraceGains items to items in Genesis R&D

**Why:** Streamline supplier ingredient updates, eliminate redundancy and data entry

**Where:** Database menu in Genesis R&D. (If the icon is grayed out, your license does not include this program.)

**How:** Review all TraceGains ingredients and link items to items in the Genesis R&D database OR create new.
ESHA & TraceGains® Partnership

- TraceGains® requests new or updated data from the supplier
- The supplier uploads requested data to TraceGains®
- Genesis R&D® pulls the supplier data from TraceGains®
- Data is reviewed and imported into Genesis R&D®
Guest Speaker

Gary Nowacki
CEO
TraceGains, Inc.
REVOLUTIONIZE INFORMATION EXCHANGE ACROSS THE SUPPLY CHAIN
POWERING THE WORLD’S LEADING FOOD & CPG COMPANIES
WHY TRACEGAINS®?

- Network for suppliers and manufacturers to seamlessly provide and share non-confidential documentation
- Collect, manage and extract data from thousands of documents required to satisfy GFSI/FSMA without hiring additional personnel

REVOLUTIONIZE INFORMATION EXCHANGE ACROSS THE SUPPLY CHAIN
“SUPPLIER X” BEFORE TRACEGAINS® NETWORK
“SUPPLIER X” BEFORE TRACEGAINS® NETWORK
TRACEGAINS® NETWORK MAKES SUPPLIERS HAPPY
TraceGains® & ESHA Partnership

1. **TraceGains® requests new or updated data from the supplier**
2. **The supplier uploads requested data to TraceGains®**
3. **Genesis R&D® pulls the supplier data from TraceGains®**
4. **Data is reviewed and imported into Genesis R&D®**

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TRACEGAINS® PRODUCTS

Supplier Management
Automatically manage supplier qualification, documents, and relationships.

Supplier Compliance
Automate lot-by-lot compliance across purchasing, COAs, receiving, testing, and plant floor.

Specification Publishing
Create, maintain, and publish your company’s unique specifications to ensure compliance on incoming ingredients.

Quality Management
Automate HACCP / HARPC and comply with GFSI, FSMA, safety, and quality.
Genesis R&D Training

Advanced Genesis Workshop | Sept 19-20, 2017 | Lombard, IL
This workshop 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.

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.

Advanced Genesis Workshop | Oct 12-13, 2017 | Portland, OR
This workshop 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 Training | Dec 7-8, 2017 | Anaheim, CA
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.
Questions?

Contact Us!
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Sales: sales@esha.com
Support: support@esha.com
Consulting Services: CS@esha.com

Helpful Resources
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