

2020 Nutrition Details and Conversion Procedure

This document provides details regarding the new 2020 Nutrition requirement. This includes a step by step procedure to convert the existing nutrition data to the new format. The conversion is done during a firmware update and utilizes ScaleLink Pro 5 version 2.40t or newer. It is not possible to convert nutrition data from the old format to the new 2020 format by USB backup and restore.

Sample Labels

Uni-9 and IP-Ai-P

PRETZELS

SELL BY DEC.25.19 11:10AM PACK NOV.25.19 AM11:10 NET WT. 01b 2oz 57g

1@1/ \$4.99
TOTAL PRICE
\$4.99

2 01055 80499 9

Nutrition Facts

About 2 servings per container
Serving size 30 pretzels (30g)

Amount per serving **Calories** 120

	% Daily Value*
Total Fat 1g	1%
Saturated Fat 0g	0%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 330mg	14%
Total Carbohydrate 24g	9%
Dietary Fiber 1g	4%
Total Sugars 1g	
includes 0g Added Sugars	0%
Protein 3g	
Vitamin D 0mcg	0%
Calcium 9mg	0%
Iron 2mg	10%
Potassium 42mg	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.

ISHIDA Uni SERIES SCALES
RICE LAKE, WI 54868

PRETZELS

SELL BY DEC.25.19 11:11AM PACK NOV.25.19 AM11:11 NET WT. 01b 2oz 57g

1@1/ \$4.99
TOTAL PRICE
\$4.99

2 01055 80499 9

Nutrition Facts

About 2 servings per container
Serving size 30 pretzels (30g)

	Per serving	Per container
Calories	120	230
Total Fat 1g	1%	1.5g 2%
Saturated Fat 0g	0%	0g 0%
Trans Fat 0g		0g 0%
Cholesterol 0mg	0%	0mg 0%
Sodium 330mg	14%	620mg 27%
Total Carb. 24g	9%	46g 17%
Dietary Fiber 1g	4%	2g 7%
Total Sugars 1g		2g 0%
Incl. Added Sugars 0g	0%	0g 0%
Protein 3g		5g 0%
Vitamin D 0mcg	0%	0mcg 0%
Calcium 9mg	0%	17mg 2%
Iron 2mg	10%	3mg 15%
Potassium 42mg	0%	5g 2%

* 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.

ISHIDA Uni SERIES SCALES
RICE LAKE, WI 54868

2020 Nutrition Standard

2020 Nutrition Dual-Column

2020 Nutrition Details and Conversion Procedure

WM-Ai

**GROUND BEEF
EXTRA LEAN**

Product Of: USA

Nutrition Facts		Amount/serving	% DV*	Amount/serving	% DV*
varies		Total Fat 9g	13%	Total Carb. 0g	0%
Serving size		Sat. Fat 3.4g	17%	Dietary Fiber 0g	0%
3 oz (85g)		Trans Fat 0.5g		Total Sugars 0g	
		Cholest. 55mg	18%	Incl. 0g Added Sugars	0%
		Sodium 56mg	2%	Protein 17g	
Calories 149		Vit. D 0mcg	0%	Calcium 0g	0%
per serving		Iron 3mg	10%	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.

SAFE HANDLING INSTRUCTIONS
THIS PRODUCT WAS PREPARED FROM INSPECTED AND PASSED MEAT AND/OR POULTRY. SOME FOOD PRODUCTS MAY CONTAIN BACTERIA THAT COULD CAUSE ILLNESS IF THE PRODUCT IS MISHANDLED OR COOKED IMPROPERLY. FOR YOUR PROTECTION FOLLOW THESE SAFE HANDLING INSTRUCTIONS:

KEEP REFRIGERATED OR FROZEN.

KEEP RAW MEAT AND POULTRY SEPARATE FROM OTHER FOODS. WASH WORKING SURFACES (INCLUDING CUTTING BOARDS), UTENSILS, AND HANDS AFTER TOUCHING RAW MEAT OR POULTRY.

COOK THOROUGHLY

KEEP HOT FOODS HOT. REFRIGERATE LEFTOVERS IMMEDIATELY OR DISCARD.

Sell By	Packed On	Price (\$/lb)	Weight (lb)
JAN.19.20	JAN.17.20	3.99	0.645
6:52PM	2:52PM		0.020

TOTAL PRICE

\$2.57



2 00308 30257 2

RICE LAKE RETAIL SOLUTIONS

<http://www.ricelake.com>

Uni-3, Uni-5, and Uni-7

**CHICKEN
WHOLE WINGS**

SAFE HANDLING INSTRUCTIONS
THIS PRODUCT WAS PREPARED FROM INSPECTED AND PASSED MEAT AND/OR POULTRY. SOME FOOD PRODUCTS MAY CONTAIN BACTERIA THAT COULD CAUSE ILLNESS IF THE PRODUCT IS MISHANDLED OR COOKED IMPROPERLY. FOR YOUR PROTECTION, FOLLOW THESE SAFE HANDLING INSTRUCTIONS.

KEEP REFRIGERATED OR FROZEN. THAW IN REFRIGERATOR OR MICROWAVE. KEEP RAW MEAT AND POULTRY SEPARATE FROM OTHER FOODS. WASH WORKING SURFACES (INCLUDING CUTTING BOARDS), UTENSILS, AND HANDS AFTER TOUCHING RAW MEAT OR POULTRY.

COOK THOROUGHLY. KEEP HOT FOODS HOT. REFRIGERATE LEFTOVERS IMMEDIATELY OR DISCARD.

Nutrition Facts		Amount/serving	% DV	Amount/serving	% DV
varies servings		Total Fat 5g	6%	Total Carb 6g	2%
Serving size		Sat Fat 1.5g	8%	Dietary Fiber 0g	0%
4 oz (112g)		Trans Fat 0g		Total Sugars 0g	
		Cholest 120mg	40%	Incl 0g Added Sugars	0%
		Sodium 110mg	5%	Protein 20g	
Calories 150		Vitamin D 0mcg	0%	Calcium 24mg	2%
per serving		Iron 2mg	10%	Potassium 240mg	6%

*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.

Sell By	Packed On	Price (\$/lb)	Weight (lb)
NOV.10.19	NOV.08.19	3.58	0.640
	1:13PM		

TOTAL PRICE

\$2.29



2 000005 002298

Uni-3 2020 NUTRITION
RICE LAKE RETAIL SOLUTIONS, UI

Firmware

The following firmware versions or later are required to support the 2020 Nutrition data format.

- Uni-3 **C2271M**
- Uni-5 **C1929C**
- Uni-7 PK-260A CPU **C1991M**
PK-260A CPU **C2032K**
- Uni-9 **C2249M**
- IP-Ai-P **C2194E**
- WM-Nano PK-260A CPU **B0684Y**
PK-260A CPU **B0760E**
- WM-Ai / IP-Ai **C2150R**

SLP-5 2020 Nutrition Configuration

From version 2.40t, SLP-5 can support both the original nutrition data and also the new 2020 Nutrition format – but not at the same time. Both sets of data are be saved in the database. There is, however, no conversion available within SLP-5.

Note: SLP-5 version 2.50a is required to fully support the WM-Nano for 2020 Nutrition.

2020 Nutrition Details and Conversion Procedure

These are the steps to change between the old and new 2020 Nutrition format:

1. Open SLP-5 Setup Utility
2. General
3. General #2 tab
4. Enable or disable "Nutrition: USA format (2020)"?

Nutrition Data Entry Screens

Nutrition editing screens have changed to two forms listing the new nutrition data fields plus a "free" table that can be used for miscellaneous additional values.

- Form 1 tab – for single column format
- Form 2 tab – for dual column format (Uni-9 and WM/IP-Ai only)
- Free tab – for miscellaneous fields

The screenshot displays the SLP-5 Nutrition Data Entry interface. At the top, there is a toolbar with icons for saving, navigating, and editing. Below the toolbar, the 'Product' section shows 'PLU No. 11' and 'Description BOSTON CREAM PUFFS'. The 'Nutrition Facts' section includes input fields for 'Serving Size', 'Serving Size #2', and 'Servings/Container'. Below this, there are three tabs: 'Form #1', 'Form #2', and 'Free'. The 'Form #1' tab is currently selected, showing a table with columns for 'Title', 'Content', and '%'. The table lists various nutrition facts such as Calories, Total Fat, Saturated Fat, Trans Fat, Cholesterol, Sodium, Total Carbohydrate, Dietary Fiber, Total Sugar, Added Sugar, Protein, Vitamin D, Calcium, Iron, and Potassium, each with corresponding input fields for content and percentage.

Title	Content	%
Calories		
Total Fat		
Saturated Fat		
Trans Fat		
Cholesterol		
Sodium		
Total Carbohydrate		
Dietary Fiber		
Total Sugar		
Added Sugar		
Protein		
Vitamin D		
Calcium		
Iron		
Potassium		

SLP-5 Form 1 and Form 2

2020 Nutrition Details and Conversion Procedure

Product

PLU No. 11
Description BOSTON CREAM PUFFS

Nutrition Facts

Serving Size
Serving Size #2
Servings/Container

Form #1
Form #2
Free

	Content	%
Free1		
Free2		
Free3		
Free4		
Free5		

SLP-5 Free

NUTRITION DATA / DETAIL (FORM #1)
NOV.25.2019 (MON) 13:12

NUTRITION No.	100	SERVING SIZE		
SERVING PER CONT		SERVING SIZE	2	

CALORIES		FORM #1	
TOTAL FAT		TOTAL SUGAR	
SATURATED FAT		ADDED SUGAR	
TRANS FAT		PROTEIN	
CHOLESTEROL		VITAMIN D	
SODIUM		CALCIUM	
TOTAL CARBOHYDRATE		IRON	
DIETARY FIBER		POTASSIUM	

FORM #1
FORM #2
FREE

DELETE

Uni-9 and WM/IP-Ai Form 1 and Form 2

2020 Nutrition Details and Conversion Procedure

NUTRITION DATA / DETAIL (FREE)				NOV.25.2019 (MON) 13:12																
NUTRITION No.	100	SERVING SIZE																		
SERVING PER CONT		SERVING SIZE	2																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #92d050;">NUTR.FREE1</td><td></td><td></td></tr> <tr><td style="background-color: #92d050;">NUTR.FREE2</td><td></td><td></td></tr> <tr><td style="background-color: #92d050;">NUTR.FREE3</td><td></td><td></td></tr> <tr><td style="background-color: #92d050;">NUTR.FREE4</td><td></td><td></td></tr> <tr><td style="background-color: #92d050;">NUTR.FREE5</td><td></td><td></td></tr> </table>						NUTR.FREE1			NUTR.FREE2			NUTR.FREE3			NUTR.FREE4			NUTR.FREE5		
NUTR.FREE1																				
NUTR.FREE2																				
NUTR.FREE3																				
NUTR.FREE4																				
NUTR.FREE5																				
FORM #1		FORM #2		FREE																
					DELETE															

Uni-9 and WM/IP-Ai Free

NUTRITION DATA / DETAIL (FORM)				NOV.22.2019 (FRI) 14:08	
NUTRITION No.	1	SERVING SIZE			
SERV. PER CONT		SERVING SIZE	2		
TOTAL FAT			TOTAL SUGAR		
SATURATED FAT			ADDED SUGAR		
TRANS FAT			PROTEIN		
CHOLESTEROL			VITAMIN D		
SODIUM			CALCIUM		
TOTAL CARBOHY.			IRON		
DIETARY FIBER			POTASSIUM		
FORM		FREE		DELETE	

Uni-5 and Uni-7 Form 1

2020 Nutrition Details and Conversion Procedure

The screenshot shows a software interface titled "NUTRITION DATA / DETAIL (FREE)" with a timestamp "NOV.22.2019 (FRI) 14:08". The interface includes several input fields: "NUTRITION No." with the value "1", "SERVING SIZE", "SERV. PER CONT", and "SERVING SIZE 2". Below these are five rows of green buttons labeled "CALORIES", "NUTR.FREE1", "NUTR.FREE2", "NUTR.FREE3", "NUTR.FREE4", and "NUTR.FREE5", each followed by two empty input boxes. At the bottom, there are three buttons: "FORM", "FREE", and a red "DELETE" button. A back arrow button is located in the top right corner.

Uni-5 and Uni-7 Free

Data Format

All 2020 Nutrition data values are saved as text to support decimals, percent symbols, etc.

Data Conversion

When nutrition data are sent from SLP-5 in the old numeric format to scales and wrappers with 2020 Nutrition firmware, they are converted and stored in the 2020 text format. The appropriate unit is automatically added: g, mg, or %.

The following nutrition data from the old format that are no longer required in the new 2020 Nutrition format are saved as listed below. This allows the option to print both the original and 2020 Nutrition data and formats during a transition period.

- Calorie From Fat → Nutr.Free1
- Protein (%) → Nutr.Free2 (%)
- Sugars (%) → Nutr.Free3 (%)
- Vitamin A (%) → Nutr.Free4 (%)
- Vitamin C (%) → Nutr.Free5 (%)
- Sugar Alcohol → Nutr.Free1 (%)

Important Considerations

- SLP-5 must be used to receive the old nutrition data **before** the update. And then send the nutrition data from SLP-5 after the update.
- It is not possible to transfer old nutrition data by USB backup to a scale or wrapper after an update to firmware that support 2020 Nutrition.
- After installing firmware that support 2020 Nutrition it is not possible to receive nutrition data in the old numeric format in to SLP-5.

2020 Nutrition Details and Conversion Procedure

Conversion Procedure

This is the step by step procedure to convert a scale or wrapper and nutrition data from the old format to the new 2020 Nutrition format.

- a. Configure SLP-5 for the original nutrition format. See section **SLP-5 2020 Nutrition Configuration** above.
- b. Create a full USB backup.
- c. Receive all data into SLP-5.
- d. Install the appropriate 2020 Nutrition firmware.
- e. Clear the machine's memory: Adjust menu > Memory Clear.
- f. Reconfigure the machine for USA, etc. as needed.
- g. Load the full USB backup. The old format nutrition data will fail to load.
- h. Send nutrition data from SLP-5 to the scale or wrapper.
- i. Reconfigure SLP-5 for the 2020 Nutrition format. See section **SLP-5 2020 Nutrition Configuration** above.
- j. Receive the converted nutrition data from the scale or wrapper.
- k. Download updated label formats as needed to print the 2020 Nutrition format.

Label Formats

- All nutrition fields in the 2020 Nutrition firmware, old and new, are variable text. If existing label formats will be used to print the old style nutrition data during a transition period, they must be updated with the nutrition fields converted from numeric format to variable text.
 - An **Ext. Format** field has been added to the Uni-9 and WM/IP-Ai models to support dual-column 2020 Nutrition label formats. This field refers to separate label format that overlays the primary label format when more than the maximum 63 fields are required. There are two methods of overlaying a second "external" format on to the original format.
 - Two methods are available to use the **Ext. Format** field.
 - a. Create an overlay label format that is just large enough for the required data - such as a nutrition panel. Then place the Ext. Format field where needed on the main label format. This is the method Rice Lake plans to use in the updated label library files.
 - b. Create an overlay label format that is the same size as the original format. Then place the Ext. Format field at the top left corner of the main label format. That is, set the X Position as 0.0 and the Y Position as the label format height.
- Notes:**
- i. An Ext. Format button has been added to the Unit Type buttons on the left side of the SLP-5 Maintenance Utility label format editing screen. This is only available when using the default setup file provided with SLP-5 2.40t or later. If the previous setup file is selected when updating SLP-5 the Ext. Format field, as well as the 2020 Nutrition fields, will not be supported.
 - ii. The Ext. Format field can be made any size. Only the X and Y coordinates are used to align the overlay label format. It is possible to set the X and Y coordinates as zero to avoid confusion or unintentionally moving the field. In that case, the Ext. Format field can be edited by double clicking it in the List Units table. The List Units icon is at the top of the Maintenance Utility screen.

2020 Nutrition Details and Conversion Procedure

Standard UPC + New Nutri.

Product Name

Sell By Text: RR/ee/ff

Pack Date Text: RR/ee/ff

Title: Title - Weighed

Weigh NET WT. lb/oz: 9

PCS/@: 99999999g

TOTAL PRICE: 99<99999999

Barcode: 1 234567 880128

Label #2:

Ext. Format

Uni-9 and WM/IP-Ai External Format Field

Edit Label Unit Properties

Unit Type: Print ID

Ext. Format: None

Seq. No. in Label: 28

Display in Sub-Label

☒ Sub-Label 1

☐ Sub-Label 2

☐ Sub-Label 3

☐ Sub-Label 4

☐ Sub-Label 5

☐ Sub-Label 6

☐ Sub-Label 7

☐ Sub-Label 8

Properties

X Position: 0.0

Y Position: 93.0

Width: 9.4

Height: 2.6

Format No.: 2: New Nutrition (only)

OK

X

External Format Field – Linked to an Overlay Label Format

2020 Nutrition Details and Conversion Procedure

Miscellaneous

- If nutrition data in the incorrect format is loaded into a scale or wrapper by USB, an error occurs and no data are loaded.
- If the nutrition data format does not match between a scale or wrapper and SLP-5, the following results will occur.

SLP-5 Config.	Transmission	Scale / Wrapper	Result
Old nutrition	Send to	2020 nutrition	Received, converted, no error
Old nutrition	Receive from	2020 nutrition	No data, no error
2020 nutrition	Send to	Old nutrition	No data, error
2020 nutrition	Receive from	Old nutrition	No data, error

- The "FreeX" descriptions in SLP-5 can be edited in the Setup Utility > General > Nutrition.

The screenshot shows the 'General Settings' dialog box with the 'Nutrition' tab selected. The 'Serving Size' section has three input fields. Below them are tabs for 'Form #1', 'Form #2', and 'Free'. The 'Free' tab is active, showing a table with five rows labeled 'Free1' through 'Free5'. Each row has two columns: 'Content' and '%'. The 'Free1' through 'Free5' labels are highlighted with a red box. At the bottom of the dialog are 'OK' and 'X' buttons.

	Content	%
Free1		
Free2		
Free3		
Free4		
Free5		