

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 later. 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



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

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

RICE LAKE RETAIL SOLUTIONS
<http://www.ricelake.com>

Uni-3, Uni-5, Uni-7, and WM-Nano

**CHICKEN
WHOLE WINGS**

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

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-260B CPU **C2032K**
- Uni-9 **C2249M**
- IP-Ai-P **C2194E**
- WM-Nano PK-260A CPU **B0684Y***
PK-260B 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.

* SLP-5 version 2.50a or later is required to fully support the WM-Nano for 2020 Nutrition if Scale Type is set as "WM-Nano" in SLP-5.

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

Product

PLU No. 11
Description BOSTON CREAM PUFFS

Nutrition Facts

Serving Size
Serving Size #2
Servings/Container

Form #1 Form #2 Free

Title	Content	%
Calories	<input type="text"/>	
Total Fat	<input type="text"/>	<input type="text"/>
Saturated Fat	<input type="text"/>	<input type="text"/>
Trans Fat	<input type="text"/>	
Cholesterol	<input type="text"/>	<input type="text"/>
Sodium	<input type="text"/>	<input type="text"/>
Total Carbohydrate	<input type="text"/>	<input type="text"/>
Dietary Fiber	<input type="text"/>	<input type="text"/>
Total Sugar	<input type="text"/>	
Added Sugar	<input type="text"/>	<input type="text"/>
Protein	<input type="text"/>	
Vitamin D	<input type="text"/>	<input type="text"/>
Calcium	<input type="text"/>	<input type="text"/>
Iron	<input type="text"/>	<input type="text"/>
Potassium	<input type="text"/>	<input type="text"/>

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	<input type="text"/>	<input type="text"/>
Free2	<input type="text"/>	<input type="text"/>
Free3	<input type="text"/>	<input type="text"/>
Free4	<input type="text"/>	<input type="text"/>
Free5	<input type="text"/>	<input type="text"/>

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

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

NUTRITION DATA / DETAIL (FREE)		NOV.22.2019 (FRI) 14:08	
NUTRITION No.	1	SERVING SIZE	
SERV. PER CONT		SERVING SIZE 2	
CALORIES			
NUTR.FREE1			
NUTR.FREE2			
NUTR.FREE3			
NUTR.FREE4			
NUTR.FREE5			

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.

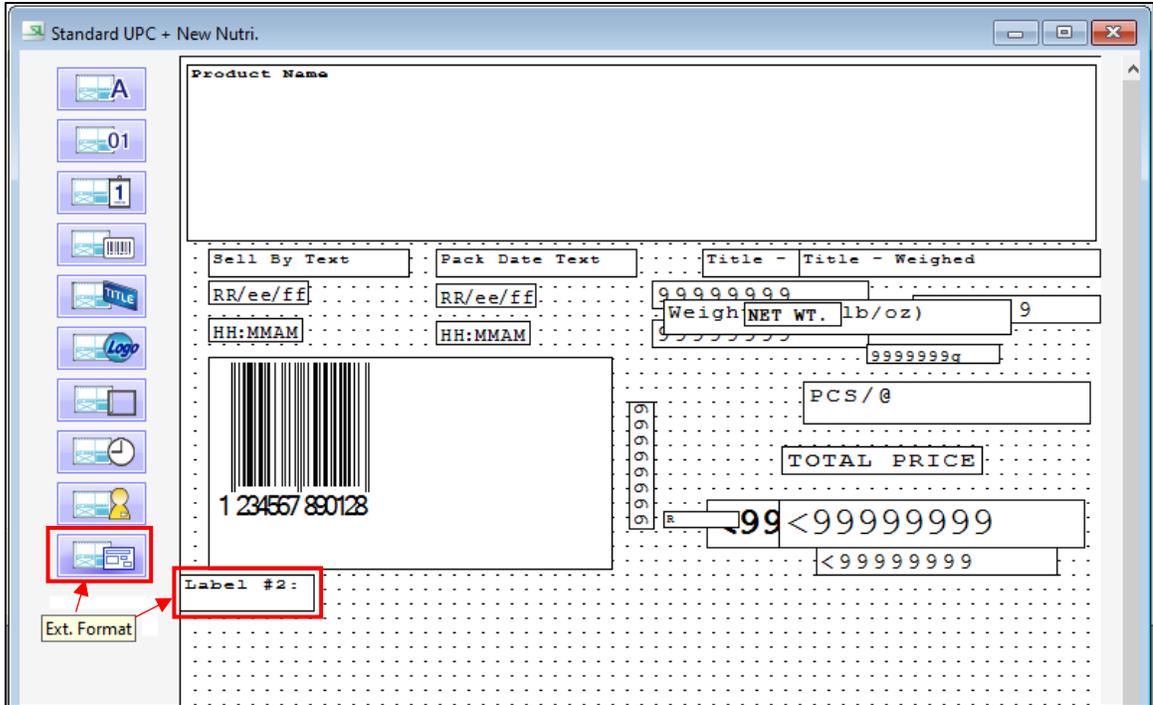
Label Formats

- 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.

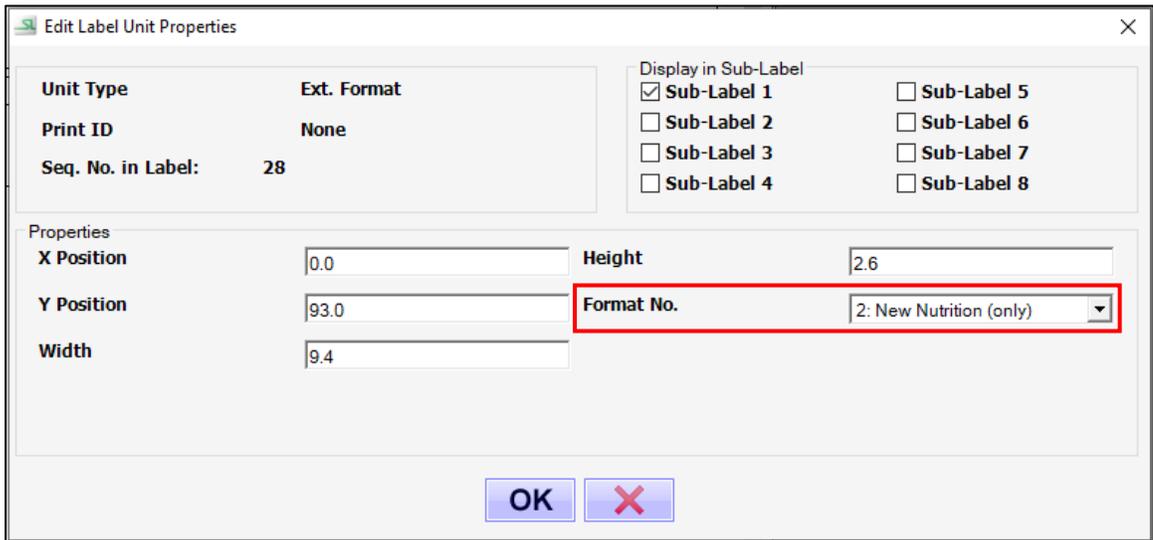
Notes:

 - 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 X coordinates are used to align the overlay label format. It is possible to set the X and X 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



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



External Format Field – Linked to an Overlay Label Format

2020 Nutrition Details and Conversion Procedure

Miscellaneous

- a. If nutrition data in the incorrect format is loaded into a scale or wrapper by USB, an error occurs and no data are loaded.
- b. 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

- c. 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. Under the 'Free' sub-tab, there is a table for editing nutrition content. The table has two columns: 'Content' and '%'. There are five rows labeled 'Free1' through 'Free5'. The 'Free1' row is highlighted with a red border. Below the table are 'OK' and 'Cancel' buttons.

	Content	%
Free1		
Free2		
Free3		
Free4		
Free5		