

United States Department of Agriculture

Food and Nutrition Service

3101 Park Center Drive Alexandria, VA 22302-1500

# Child Nutrition Labeling for Meat and Poultry Products

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## Introduction

This publication has been prepared for food manufacturers. It contains instructions on how to apply for and obtain approval of a label with a Child Nutrition (CN) statement. It also contains instructions for calculating the contribution that a meat or poultry product makes toward the Meal Pattern Requirements for the Child Nutrition Programs.

A CN labeled meat/poultry product:

- must contain a minimum of 0.50 ounce of equivalent meat or a minimum of 0.50 ounce of equivalent meat and meat alternate per serving,
- contains meat and/or poultry and may contain any combination of these: cheese/cheese substitutes, cooked dry beans or peas, eggs, nut/seed butters, alternate protein product, protein fortified macaroni, and
- must be produced under Federal inspection, equal-to-federal state inspection, or Canadian inspection.

Products contributing only to the bread/bread alternate and/or vegetable components are not eligible for the CN label.

These procedures supersede all other instructions, written or oral, that the Food and Nutrition Service (FNS) of the U.S. Department of Agriculture (USDA) may have provided.

## **CN Label Application Materials**

## What to Submit

Submit the following information collated and stapled in the order listed below

- FSIS Form 7234-1 (10/03/2002) Application for Approval of Labels, Marking or Device - <u>4 copies</u>
- Product Label <u>4 Copies</u>
- Labels for purchased prepared Ingredients (e.g., cooked pizza topping) that contribute to the meat/meat alternate component (source product label) - <u>4</u> <u>copies</u> (if applicable)
- Alternate Protein Product (APP) documentation <u>4 copies</u> (if applicable)
- Enriched Macaroni with Fortified Protein approval letter from FNS <u>4 copies</u> (if applicable)

**FSIS Form 7234-1** When filling out the application form (also called a transmittal form), please do the following:

• Complete all portions of this application form. Submit <u>4 copies</u>

NOTE: The address written in block 10 should be the address of the plant location for the establishment number written in block 4.

- In block 8 list all ingredients in descending order of predominance. For multicomponent products, e.g., breaded beef patties, provide separate formulas for each component, e.g., a formula for the raw beef patty mix and a separate formula for the batter/breading component. If the ingredient statement on the label is listed as a composite of all ingredients you will also need to submit a composite formula. Composite formulas must reflect the component formulas in the same ratios given for the fill specifications.
- All items used for crediting must be described so that they match a food item in the <u>Food Buying Guide for Child Nutrition Programs<sup>1</sup></u> (FBG), Program Aid Number 1331, November 2001, e.g., "beef (fresh), chuck roast (without bone, practically free of fat)." Be sure to specify the maximum fat content of each meat used when it is part of the FBG description, e.g., "ground beef (no more than 26 percent fat)"
- Indicate the <u>raw</u> weight of the individual portion where applicable
- If a product is precooked, indicate the cooked weight of the product portion and, if applicable, the maximum cooking yield (for bulk items). If a maximum cooking yield is indicated, state that the maximum cooking yield will be monitored in the Quality Control program
- Include fill specifications when a product consists of two or more major components. The fill specifications should be given per serving and if applicable per each bulk unit. For example:

Pizza with Cooked Pizza Topping	Fill Specifications			
<u>Component</u>	<u>1 Serving</u>	<u>One 16" Pizza</u>		
Crust, baked	1.90 oz	15.20 oz		
Mozzarella Cheese	1.22 oz	9.76 oz		
Cooked Pizza Topping (CN # 000000 no substitutions)	1.20 oz	9.60 oz		
Tomato Sauce	<u>1.18 oz</u>	<u>9.44 oz</u>		
	5.50 oz	44.00 oz		

<sup>&</sup>lt;sup>1</sup> The 2001 <u>Food Buying Guide</u> and <u>Pen and Ink Changes</u> (for the 2001 FBG) are available online at <u>http://schoolmeals.nal.usda.gov/FBG/buyingguide.html</u>.

- Submit manufacturer's documentation with the following information when claiming bread/bread alternate credit for batter and/or breaded products:
  - Manufacturer's documentation showing the percent breakdown of the wholegrain, enriched flour or meal, bran and/or germ contained in the dry batter/breader;
  - b) Percentage breakdown of added water and any other liquid used in the batter/breader; and
  - c) Ratio of prepared (wet) batter to dry breader.
- **Product Label** All CN labeled products must be both approved in Final by FNS and approved by FSIS<sup>2</sup> prior to production. FNS sketch approved labels must be resubmitted to obtain FNS final approval.
  - For sketch approval: submit a legible draft of the label as it will appear on the package. Submit <u>4 copies</u>
  - For final approval (without prior sketch approval): submit the label that will appear on the package or a clear representation (printer's proof) with the colors indicated and no corrections to be made. Submit <u>4 copies</u>
  - For final approval <u>with</u> prior sketch approval (same CN number): submit the label in final form (printer's proof acceptable) with the colors indicated. Also, provide a copy of the prior sketch stamped by both FNS and the Labeling and Nutrition Protection Staff of FSIS showing the label approval number assigned by FSIS. Submit <u>2 copies</u>

All of the following information must be printed on the label:

- Product name;
- Inspection legend (Federal, State, or Canadian according to inspection.) The establishment number must also be a permanent part of the label;
- Name and address of manufacturer or distributor, or a space designated for it to be filled in at time of packing product;
- Ingredient statement. Ingredients listed on the product label should match the ingredients listed on the application form. For example: If ground beef (no more than 30 percent fat) is printed on the label then this must also be listed in the formula shown on the application form; and

<sup>&</sup>lt;sup>2</sup> The FSIS Labeling and Nutrition Protection Staff conducts only sketch approval. That office no longer conducts final label approval. Sketch labeling is defined in 9 CFR 317.4(d).

- CN label statement. This statement must be an integral part of the product label. It can not be a separate label or stamp. The statement must include:
  - CN logo (see pages 20 through 23 for logo format)
  - o Product identification number (CN number) assigned by FNS
  - Statement of credit (see below)
  - Authorization statement
  - Approval date (representing the month/year label is to be approved in final form by FNS.)

The statement of credit identifies the contribution of a specific portion of a meat/meat alternate product toward this component of the meal pattern requirements. If appropriate, the statement may also include the contribution toward the bread/bread alternate and vegetable/fruit component of the Meal Pattern Requirements. The following criteria apply:

- Always round down the answers to crediting calculations. Never round up.
- A product serving must provide a minimum of 0.50 oz equivalent meat/meat alternate. Ounce equivalents should be expressed as a decimal in increments of 0.25 ounce, such as, 0.50, 0.75, 1.00, etc., oz equivalent meat/meat alternate. Ounce should be abbreviated as "oz." Exception to the increment rule is provided for Bulk products only. See page 21 for the sample CN label statement for "Cooked Beef Patty Crumbles".
- In order to receive a bread/bread alternate credit, a product must provide a minimum of 1/4 serving. Larger servings must be expressed in increments of 1/4 servings, e.g., 1/4, 1/2, 3/4, etc., servings of bread/bread alternate.
- In order to receive a vegetable/fruit credit, a product must provide a minimum of 1/8-cup serving. Larger servings must be expressed in increments of 1/8-cup servings, e.g., 1/8, 1/4, 3/8, etc., servings of vegetable/fruit.

The CN statement must accurately reflect the product. For example:

- A product that contains <u>only meat and/or poultry</u> should state "provides\_\_\_\_\_ oz equivalent meat."
- b) A product that contains <u>meat and/or poultry and meat alternate</u> (such as eggs, dry beans, APP, or cheese) should state "provides \_\_\_\_ oz equivalent meat/meat alternate."

Labels for Prepared Ingredients/ Components Prepared ingredients containing meat/poultry or meat alternate (e.g. cooked pizza topping) that are purchased and used for credit in a CN labeled product are called source products. Source products must be CN labeled and be approved in final by FNS before they may be used. Attach a legible photo copy of each source product label to each copy of the application form. Write the CN identification number(s) and "no substitutions" next to the corresponding purchased ingredient listed on the

Alternate Protein Products (APP)	application form. Alternate Protein Products (APP) may be used to meet all or part of the meat alternate component when it is used as an integral part of the entrée. Only products meeting the requirements in 7 CFR 210, 220, 225, 226 (Appendix A) may be used as APPs to contribute to the meal pattern requirements. For each APP used, attach documentation (see page 10) to each copy of the application form. Write the manufacturer's name and product code number, and indicate "no substitutions" for the sources of APP used.
Enriched Macaroni Products with Fortified Protein	Enriched macaroni products with fortified protein may be used to meet part of the meat alternate component. Attach one copy of the FNS approval letter for each enriched macaroni with fortified protein product that will be credited toward the meal pattern requirements to each copy of the application form. Write the manufacturers name, product name, and identification number on all four copies of the application form.
	Additional information about FNS-approved enriched macaroni products with fortified protein is available form the Child Nutrition Division, FNS.
Quality Control (QC) Program	All CN labeled products must be produced under an acceptable plant quality control (QC) program that can be effectively monitored by plant personnel. The QC program must meet minimum requirements provided by FNS. The QC program must be available to the FSIS inspector-in-charge upon request. The guideline for preparation of the QC program (previously FSIS PQCP #550) is
	available from FNS.
Samples (Upon Request Only)	FNS may request a sample of the product as part of the review process. If a sample is requested, FNS may delay final label approval until it receives and reviews the sample. Label applications must pertain to products that have been made and tested in a pilot plant or on an assembly line.
	Procedures for Submitting CN Labels (See pages 36 and 37 for State Inspected and Canadian plants)
Where to Submit	Submit all label applications to:
	U.S. Department of Agriculture Food and Nutrition Service Child Nutrition Division, Room 632 3101 Park Center Drive Alexandria, VA 22302 Attn: Label Reviewer

Further information and answers to inquiries can be obtained by calling the FNS

How to Submit

Technical Assistance Section CN label reviewers at (703) 305-2609. Processor may submit label applications to FNS by any of the following methods:

- Mail delivery (do not send CN labels to FSIS, they must go to FNS first)
- Personal delivery by a manufacturer's representative
- Personal delivery by a label expediting firm

FNS will review labels on site on Wednesdays with scheduled appointments only. If a manufacturer wants to send a representative to discuss a label application, he or she should call in advance for an appointment and bring the label application at the appointment time.

## **Procedures for Reviewing CN Labels**

Queuing System (Mailed labels only)	When FNS receives a label in the mail, FNS dates the label and places it in a queuing system. Each label is reviewed in turn based on the date received. FNS will not grant exceptions to the queuing system except in extreme emergencies. The review time at FNS generally will be no longer than 3 weeks but this time may vary depending on the total volume of labels. In addition, label approval for products that are exceptionally complex may take longer.
	Once a label has been reviewed and approved by FNS, it is forwarded to the FSIS Labeling and Consumer Protection staff for review (see page 8 for routing charts).
Identification Numbering System	FNS will assign a six-digit identification number to each label. This system will help FNS keep track of label approvals and will provide this information to regional, State, and local Child Nutrition Program staff as required. FNS will also use identification numbers to notify the appropriate manufacturers when circumstances require them to resubmit labels. When a label is submitted in sketch, FNS assigns an identification number to it. When a label is submitted in final without prior sketch approval, the manufacturer must call FNS for an identification number before printing the label. A new identification number will be assigned for each unique product label application which is received.
Obtaining a CN Identification Number	To obtain a CN identification number prior to submitting labels for FNS review, call or fax the technical assistance staff. Phone: 703-305-2609 or Fax: 703-305-2549.
Label Applications	Label applications that are incorrect, illegible, or lacking appropriate information will be returned to the applicant with notations of the errors. FNS will keep one copy
Returned	of every label application submitted for review. Labels that are resubmitted for review will be placed in the queuing system based on the date of resubmittal.

#### Label Applications Resubmitted

#### Labels should be <u>resubmitted</u> through FNS and <u>receive a new identification</u> <u>number</u> when the:

- Establishment number is changed
- Plant location where product is produced is changed
- Listing of ingredients is changed
- Quality or nutritional claim is added
- Product formula is changed
- Product name is changed
- Portion size is changed

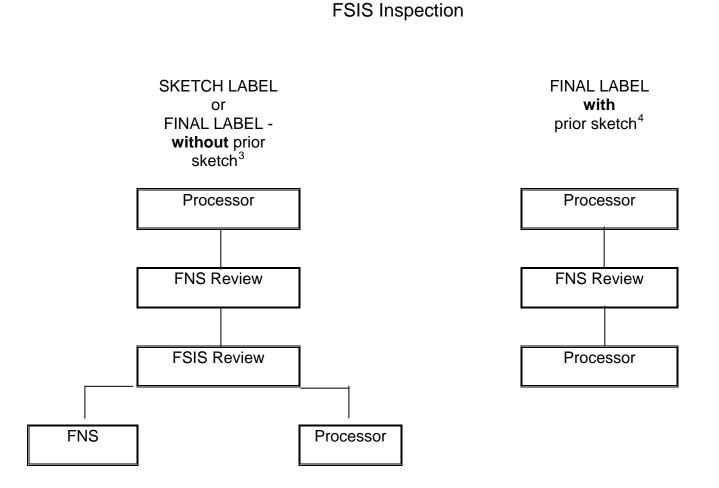
In-Plant Changes If a CN label has FNS final approval and FSIS approval, certain in-plant changes (generic approvals) may be made at the plant level and maintain the same CN number. Approve label changes at the plant level only when:

- All features are proportionally enlarged or reduced
- Abbreviations are substituted for words, e.g., lbs for pounds
- Wrappers are changed for holidays
- Directions for opening the container or package are changed
- Coupons are added/deleted
- Net weights are changed
- Recipes are added/deleted
- Punctuation changes are made
- Package open date is added/deleted
- Packaging materials are changed
- Colors are changed
- Illustrations or vignette changes are made
- Code numbers are changed
- Company name and address is added to approved master label
- Signature line is changed
- Brand name is changed
- The word "new" is deleted
- Special handling instructions are added/deleted
- Safe Handling Instructions are added
- Certain changes are made to the Nutrition Facts panel
- Translations of the English language are added/deleted

For all approvals made at the plant level, send a copy of the new label to FNS noting the changes that were made. This label will be attached to the original label approval in our files.

## **Label Routing Process**

Prior to producing any CN labeled product, the CN label must obtain <u>both</u>: FNS **final** approval <u>and</u> FSIS sketch approval.



<sup>&</sup>lt;sup>3</sup> To obtain a final FNS approval the first time through, the label must be printer proof quality with no edits. Call 703-305-2609 to request a CN identification number and include this number in the CN logo. Be sure to include the current date at the end of the CN statement. If a CN number is assigned during review, at most, the label can receive FNS sketch approval and will have to be resubmitted to FNS prior to production to obtain FNS final approval.

<sup>&</sup>lt;sup>4</sup> Attach a copy of the prior sketch approval showing both the FNS sketch approval and the FSIS sketch approval. Since FSIS only approves labels in sketch form, CN labels are only sent to FSIS once. The approval number assigned by FSIS to the sketch approval will be used as the approval number for the FNS final approval.

## **Procedures for Determining Equivalent Meat/Meat Alternates**

The unit of measure for the meat/meat alternate component is "oz equivalents." To be CN labeled, a serving of a product must provide a minimum of 0.50 oz equivalent meat/meat alternate and credit must be expressed in 0.25-oz increments. Any of the following can contribute to the meat/meat alternate component of the Child Nutrition meal pattern requirements: lean meat, poultry, fish, cheese, cheese substitutes, eggs, cooked dry beans and peas, alternate protein product, peanut butter, or any combination of these. Enriched macaroni with fortified protein when made and used according to USDA regulations can also be used to meet part of the meat/meat alternate component. Additional information on use of enriched macaroni with fortified protein products is available from the Child Nutrition Division, FNS, USDA, 3101 Park Center Drive, Room 632, Alexandria, VA 22302.

There are four general steps used in determining the total ounces of equivalent meat/meat alternate in a serving of a product:

- <u>Step 1</u>: Determine which allowable meat/meat alternates are used in the product being labeled
- <u>Step 2</u>: Calculate the oz equivalent meat/meat alternate in each category. (Procedures for determining this are on the following pages.)
- Step 3: Total the oz equivalent meat/meat alternate calculated under each category
- Step 4: Round down to the nearest 0.25 oz equivalent meat/meat alternate.

#### **Calculating the Contribution of Meat**

1. Multiply the raw serving size (in ounces) by the percent of meat in the raw formula:

oz raw serving size X % raw meat = oz raw meat/serving

2. Multiply the ounce raw meat/serving by the cooking yield<sup>5</sup> as stated in the <u>Food</u><u>Buying Guide</u>:

oz raw meat/serving X FBG cooking yield<sup>5</sup> = oz equivalent meat/serving

<sup>&</sup>lt;sup>5</sup> See Pages 24 through 27 for FBG cooking yields of selected meat products.

## Calculating the Contribution of Alternate Protein Product (APP)

Before starting the calculation, check to make sure that the APP documentation attached with your application shows that the APP you are using meets ALL of the following criteria:

- a) A statement that the APP meets the requirements found in Appendix A of 7 CFR Parts 210, 220, 225, and 226.
- b) Show that the product has been processed so that some portion of the nonprotein constituents has been removed.
- c) Provide the Protein Digestibility Corrected Amino Acid Score (PDCAAS). The PDCAAS is required to be greater than 80 percent of casein. You may be required to show how the PDCAAS was determined.
- d) Show that the protein level of the APP is at least 18 percent by weight when fully hydrated or formulated. (Show the ratio of dry APP to water to provide a product hydrated to 18 percent protein.)
- e) Provide the protein level of the APP on an "as-is" basis for the as-purchased product. Protein is often provided on a moisture free basis "mfb" which is not the information FNS requires.

#### Calculate the contribution of alternate protein products as follows:

1. Multiply the raw serving size (in ounces) by the percent of dry alternate protein product to obtain the ounces of dry alternate protein product per portion:

oz raw serving X % dry APP = oz dry APP/serving

2. Divide the percent protein on an as-is basis (from documentation) by 18 to determine the hydration factor to fully hydrate the APP to 18 percent protein:

<u>% as-is protein<sup>6</sup> of dry alternate protein product</u> = hydration factor 18% minimum protein<sup>7</sup>

3. Multiply the ounces of dry alternate protein product per serving by the hydration factor to obtain the unrounded ounces equivalent meat alternate per serving:

oz dry APP/serving X hydration factor = oz unrounded equivalent meat alternate/serving

<sup>&</sup>lt;sup>6</sup> As-is/as-purchased; including added flavors, colors, or other added substances.

<sup>&</sup>lt;sup>7</sup> The regulations provided for appropriate hydration of alternate protein products by setting quantity requirements for a product when hydrated at 18 percent by weight.

 Round down to the nearest 0.25 oz equivalent meat alternate per serving. <u>NOTE</u>: You can determine the <u>ratio of dry APP to liquid</u> (allowed for full hydration) by using the following formula:

a.	% as-is protein in dry alternate protein product	=	total parts hydrated
	18% minimum protein		product

b. total parts hydrated product *MINUS* 1 part APP = parts liquid allowed for full hydration

c. The ratio allowed for full hydration is:

"1 part dry APP" : "total parts hydrated product – 1"

To obtain the percent of water allowed for full hydration, multiply the percent of dry APP in the formula by the parts liquid for full hydration:

% APP X parts liquid for full hydration =  $x^8$  (total percentage of liquid allowed for full hydration)

## Calculating the Contribution of Dry Beans or Peas

1. Multiply the raw serving size<sup>9</sup> (in ounces) by the percent of dry beans or peas in the raw formula:

oz raw serving x % dry beans = oz dry beans/serving

2. Convert the ounce dry beans per serving to pound dry beans/serving by dividing by 16 ounces/pound:

oz dry beans/serving ÷ 16 oz/lb = lb dry beans/serving

Multiply the pound dry beans per serving by the number of 1/4-cup servings per purchase unit. (e.g., 1 pound as purchased = 21.0 1/4-cup servings cooked dried pinto beans = FBG yield). 1/4 cup cooked dry beans = 1.00 oz equivalent meat alternate:

lb dry pinto beans/	x 21.0 1/4-cup	=	No. 1/4-cup servings cooked dry pinto
serving	servings/lb		beans <b>or</b> oz equivalent meat

<sup>&</sup>lt;sup>8</sup> The percentage of liquid in the formula in excess of "x" will not be given credit toward the meal pattern requirement.

<sup>&</sup>lt;sup>9</sup> For cooked products, determine the ounce raw serving by dividing the following: oz cooked serving ÷ manufacturer's maximum cooking yield. The manufacturer's maximum yield is based on cooking tests performed in the manufacturer's plant and reflects the cooking yield for the total product including beans, spices, water, etc.

#### alternate/serving

- 4. Round down to the nearest 1/8 cup or 0.25 oz.
- <u>NOTE</u>: Cooked dried beans or peas may count as a meat alternate <u>or</u> a vegetable, but <u>not</u> as both components in the same product.

### Calculating the Contribution of Dry Beans or Peas, Canned

1. Multiply the raw serving size (in ounces) by the percent canned dry beans or peas in the raw formula:

oz raw serving size X % canned beans = oz canned beans/serving

2. Divide the ounce canned beans/serving by the numbers of ounces in the size can you are using (e.g., a No. 10 can of pinto beans = 108 oz):

oz canned beans/serving ÷ 108 oz/can = the portion (%) of pinto beans/ No. 10 can used

3. Multiply the portion (%) of beans per can used by the number of 1/4-cup servings per purchase unit (e.g., No. 10 can pinto beans provides 37.2 1/4-cup servings heated, drained pinto beans - FBG yield):

% beans/	Х	37.2 1/4-cup	=	No. 1/4 cup servings cooked dry pinto beans
can used		servings/		or oz equivalent meat alternate/serving
		108 oz can		

## Calculating the Contribution of Cheese/Cheese Substitutes

"Cheese Substitute" must meet the FDA standard for substitute foods. The standard requires that a cheese substitute is not nutritionally inferior to the cheese for which it is substituting. Any item labeled as imitation cheese or cheese product is <u>not</u> in the above category, and is **not** credited in the Meal Pattern Requirements.

1. Multiply the raw serving size (in ounces) by the percent of each cheese or cheese substitute to determine the ounce of meat alternate per serving:

```
oz raw serving x % cheese/ = oz cheese/cheese substitute per serving
cheese
substitute or oz equivalent meat alternate/serving
```

<u>NOTE</u>: Cheese and Cheese Substitutes are calculated based on a 100-percent yield. The credit for cottage cheese, ricotta cheese, cheese food, cheese spread, and their substitutes are calculated based on a 50-percent yield.

## **Calculating the Contribution of Dried Whole Eggs**

1. Multiply the raw serving size (in ounces) by the percent of dried whole eggs in the formula to obtain the ounces of available dried whole eggs:

oz raw serving X % dried whole eggs = oz dried whole eggs/serving

2. Convert ounce dried whole eggs per serving to pound dried whole eggs/serving by dividing by 16 ounces per pound:

oz dried whole eggs/serving  $\div$  16 oz/lb = lb dried whole eggs/serving

 Multiply the pound dried whole eggs per serving by the servings per pound as found in the FBG (one pound dried whole eggs = 32 large eggs or 64 ounces equivalent meat alternate):

1lb dried whole eggs/serving X 64 = oz equivalent meat alternate/serving

#### **Calculating the Contribution of Frozen Whole Eggs**

1. Multiply the raw serving size (in ounces) by the percent of frozen whole eggs in the formula to obtain the ounce available frozen whole eggs per serving:

oz raw serving X % frozen whole eggs = oz frozen whole eggs/serving

2. Convert ounce frozen whole eggs per serving to pound frozen whole eggs per serving by dividing by 16 ounces per pound:

oz frozen whole eggs/serving  $\div$  16 oz/lb = lb frozen whole eggs/serving

 Multiply the pound frozen whole eggs per serving by the servings per pound as found in the FBG (one pound frozen whole eggs = 9.00 large eggs or 18 ounces equivalent meat alternate):

Ib frozen whole eggs/serving X 18 = oz equivalent meat alternate/serving

## Calculating the Contribution of Cooked Toppings, Fillings, and other Bulk Products<sup>10</sup>

1. Determine the ounce raw topping by dividing the ounces of cooked portion (for bulk products, this will generally be one pound/ 16 oz) by the manufacturer's maximum cooking yield<sup>11</sup>:

16 oz cooked topping ÷ manufacturer's maximum = oz <u>raw</u> topping cooking yield

2. Calculate the ounces equivalent meat contributed by the meat portion of the topping formula (see page 9 for detailed meat calculations):

oz raw topping X % raw meat X FBG cooking yield = oz equivalent meat for raw meat used

3. If applicable, calculate the ounces equivalent meat alternate contributed by the APP portion of the topping formula (see page 10 for detailed APP calculations):

oz raw topping X % dry APP X  $\frac{\% \text{ protein as-is for APP}}{18 \%}$  = oz meat alternate

4. Add together the ounces of equivalent meat and equivalent meat alternate :

oz equivalent meat + oz equivalent meat alternate = oz equivalent meat/ (from meat portion) (from APP portion) meat alternate

<u>NOTE</u>: The credit for bulk products may be expressed to two decimal places without rounding down. The credit may not be rounded up.

# Calculating the Contribution of Purchased CN Products <sup>12</sup> (For Use by a Second Manufacturer)

1. Check to make sure the purchased product is CN labeled and has Final approval from FNS and, if applicable, approval from FSIS.

<sup>&</sup>lt;sup>10</sup> Topping, filling and bulk product are terms generally used to describe a finished meat mixture that is processed in volume and often used as an ingredient in/on another product.

<sup>&</sup>lt;sup>11</sup> Manufacturer's maximum cooking yield is based on cooking tests performed in the manufacturer's plant and reflects the cooking yield for the total product including meat, spices, water, etc. Calculate as follows: lbs of cooked mixture ÷ lbs of raw mixture = % maximum cooking yield (in decimal form.)

<sup>&</sup>lt;sup>12</sup> When processed products are purchased from a manufacturer and are incorporated into your product as a creditable source of equivalent meat/meat alternate, a copy of the CN approved label for the purchased processed product (source product label) must accompany the application form when submitted for approval.

 For the purchased product, determine the percent of equivalent meat/meat alternate provided by dividing the oz equivalent meat/meat alternate (as stated on the CN label of the purchased product) by the oz portion size (as stated on the CN label of the purchased product.) For bulk products, this will generally be 16 ounces.

oz equivalent meat/meat alternate from purchased (**or** oz serving provided by the purchased product's CN statement size) product

3. Determine the ounces per serving of purchased product in the second product. Multiply the ounce serving size of second product by the percent of purchased product used in the formula for the second product:

oz/serving of X % purchased product in = oz purchased product/serving of  $2^{nd}$  product formula of  $2^{nd}$  product  $2^{nd}$  product

4. Multiply the percent equivalent meat/meat alternate provided from the purchased product (step 2) by the ounce of purchased product per serving of the second product (step 3):

% equivalent meat/meat X oz purchased product/ = oz equivalent meat/ alternate provided by the serving of 2<sup>nd</sup> product meat alternate per purchased product serving of 2<sup>nd</sup> product

## **Procedures for Determining Servings of Bread/Bread Alternate**

The unit of measure for bread/bread alternate under the Grains/Breads component is "serving." In order to state bread credit on a CN label, the product must provide a minimum of 1/4 serving and credit must be expressed in 1/4-serving increments.

In order for a product to be used as a bread/bread alternate in the Child Nutrition Labeling Program, the following two criteria must be met:

- 1) Product must be an integral part of the item being CN labeled.
- 2) The product must be made with whole grain, enriched flour or meal, bran, and/or germ.

#### FCS INSTRUCTION 783-1; REV. 2; EXHIBIT A

## GRAINS/BREADS FOR THE FOOD-BASED MENU PLANNING ALTERNATIVES IN THE CHILD NUTRITION PROGRAMS <sup>a</sup>

GROUP A	MINIMUM SERVING SIZE FOR
	GROUP A
Bread type coating	1 serving $= 20$ gm or 0.7 oz
Bread sticks (hard)	
Chow mein noodles	
Crackers (saltines and snack crackers)	
Croutons	
Pretzels (hard)	
Stuffing (dry) Note: weights apply to bread in	
stuffing∙	
GROUP B	MINIMUM SERVING SIZE FOR
	<b>GROUP B</b>
Bagels	1 serving $= 25$ gm or 0.9 oz
Batter type coating	
Biscuits	
Breads (white, wheat, whole wheat, French, Italian)	
Buns (hamburger and hotdog)	
Crackers (graham crackers - all shapes, animal	
crackers)	
Egg roll skins	
English muffins	
Pita bread (white, wheat, whole wheat)	
Pizza crust	
Pretzels (soft)	
Rolls (white, wheat, whole wheat, potato)	
Tortillas (wheat or corn)	
Tortilla chips (wheat or corn)	
Taco shells	
GROUP C	MINIMUM SERVING SIZE FOR GROUP C
Cookies <sup>b</sup> (plain)	1  serving = 31  gm or  1.1  oz
Cornbread	
Corn muffins	
Croissants	
Pancakes	
Pie crust (dessert pies <sup>b</sup> , fruit turnovers <sup>c</sup> , and	
meat/meat alternate pies)	
Waffles	

<sup>a</sup> Some of the following foods, or their accompaniments may contain more sugar, salt, and/or fat than others. This should be a consideration when deciding how often to serve them.

<sup>&</sup>lt;sup>b</sup> Allowed only for desserts under the enhanced food-based menu planning alternative specified in §210.10 and supplements (snacks) served under the NSLP, SFSP, and CACFP.

<sup>&</sup>lt;sup>c</sup> Allowed for desserts under the enhanced food-based menu planning alternative specified in §210.10 and supplements (snacks) served under the NSLP, SFSP, and CACFP, and for breakfasts served under the SBP, SFSP and CACFP.

GROUP D	MINIMUM SERVING SIZE FOR GROUP D
Doughnuts <sup>c</sup> (cake and yeast raised,	1  serving = 50  gm or  1.8  oz
unfrosted)	
Granola bars <sup>c</sup> (plain)	
Muffins (all, except corn)	
Sweet roll <sup>c</sup> (unfrosted)	
Toaster pastry <sup>c</sup> (unfrosted)	
GROUP E	MINIMUM SERVING SIZE FOR GROUP E
Cookies <sup>b</sup> (with nuts, raisins, chocolate pieces and/or fruit purees)	1  serving  = 63  gm or  2.2  oz
Doughnuts <sup>c</sup> (cake and yeast raised, frosted	
or glazed)	
French toast	
Grain fruit bars <sup>c</sup>	
Granola bars <sup>c</sup> (with nuts, raisins, chocolate	
pieces and/or fruit)	
Sweet rolls <sup>c</sup> (frosted)	
Toaster pastry <sup>c</sup> (frosted)	
GROUP F	MINIMUM SERVING SIZE FOR GROUP F
Cake <sup>b</sup> (plain, unfrosted)	1  serving = 75  gm or  2.7  oz
Coffee cake <sup>c</sup>	
GROUP G	MINIMUM SERVING SIZE FOR GROUP G
Brownies <sup>b</sup> (plain)	1  serving  = 115  gm or  4  oz
Cake <sup>b</sup> (all varieties, frosted)	
GROUP H	MINIMUM SERVING SIZE FOR GROUP H
Barley	1 serving = $\frac{1}{2}$ cup cooked (or 25 gm dry)
Breakfast cereals (cooked) d	
Bulgur or cracked wheat	
Macaroni (all shapes)	
Noodles (all varieties)	
Pasta (all shapes)	
Ravioli (noodle only) Rice (enriched white or brown)	
GROUP I	MINIMUM SERVING SIZE FOR GROUP I
	1 serving = $\frac{3}{4}$ cup or 1 oz, whichever is less
Ready to eat breakfast cereal (cold dry) d	1  set ving = 74  cup of  1  02, which even is less

<sup>&</sup>lt;sup>d</sup> Refer to program regulations for the appropriate serving size for supplements served to children aged 1 through 5 in the NSLP; breakfasts served under the SBP; and meals served to children ages 1 through 5 and adult participants in the CACFP. Breakfast cereals are traditionally served as a breakfast menu item but may be served in meals other than breakfast.

## Calculating Bread/Bread Alternate Using Exhibit A

- 1. Determine the group that applies to your product by locating the name of the bread product being used in the left column of Exhibit A (pages 16 and 17).
- 2. Determine the ounces required for one serving of the bread product being used by reading the minimum serving size required located in the right column of Exhibit A for the group as determined above.
- 3. Divide the serving size (in ounces) of bread product being used by the ounces required for one serving to obtain the unrounded servings of bread/bread alternate:

```
oz bread product used ÷ oz/serving from Exhibit A = unrounded bread/bread alternate servings
```

4. Round <u>down</u> to the nearest 1/4 serving.

## Calculating Bread/Bread Alternate Using Grams of Creditable Grains

Creditable grains are whole grain, enriched flour or meal, bran and/or germ. <u>1 serving bread/bread alternate = 14.75 grams of creditable grains</u>

1. Multiply the serving size (in ounces) by the percent of creditable grains to get the ounces of creditable grains per serving:

oz/serving X % creditable grains = oz creditable grains/serving

2. Multiply the ounces of creditable grains per serving by 28.35 grams per ounce to convert to grams of creditable grains per serving:

oz creditable grains/serving X 28.35 gm/oz = gm creditable grains/serving

3. Divide grams of creditable grains per serving by 14.75 grams per bread/bread alternate serving to get the unrounded servings bread/bread alternate:

gm creditable grains/serving ÷ 14.75 gm = unrounded servings bread/ bread alternate

4. Round down to the nearest 1/4 serving.

## **Procedures for Determining Vegetable/Fruit Credit**

The vegetable/fruit component is credited on a volume measure. The unit of measure used is "cup." In order to state vegetable/fruit credit on a CN label, the product must provide a minimum of 1/8 of a cup and credit must be expressed in 1/8-cup increments.

The four steps used to determine the cup(s) of vegetable/fruit are:

- <u>Step1</u>: Identify the food items that can be credited toward the vegetable/fruit requirement. Describe each item so that it matches a food item in the <u>Food</u> <u>Buying Guide</u>, e.g., cabbage, fresh, shredded. (This information can be found in columns 1 and 4 of the FBG.)
- <u>Step2</u>: Calculate the contribution of each food item that can be counted. (see below.)
- <u>Step3</u>: Add the contribution of each food item to get the total.
- <u>Step4</u>: Round down to the nearest 1/8 of a cup.

#### Shown below are the calculations for Step 2:

1. Multiply the serving size (in ounces) by the percent of the product that is creditable vegetable/fruit:

oz/serving X % of creditable = oz creditable vegetable/fruit per serving vegetable/fruit

2. Divide the amount of creditable vegetable/fruit per serving by 16 (16 oz/lb):

oz creditable vegetable/  $\div$  16 = No. lb creditable vegetable/fruit per serving fruit per serving

 Multiply the lb of creditable vegetable/fruit per serving by the number of servings per pound unit from the <u>Food Buying Guide<sup>13</sup></u>:

lb of vegetable/	Х	No. of servings	=	No. of 1/4 cup servings
fruit per serving		per lb unit		vegetable/fruit

<sup>&</sup>lt;sup>13</sup> See pages 30 through 35 for FBG yield information for commonly used vegetables.

## Sample CN Label Statements

#### Fully Cooked Char-Broiled Hamburger Steaks (Chopped and Shaped) (discrete portions)

	CN
CN	Each 2.40 oz Fully Cooked Char-Broiled Hamburger Steak provides 2.00 oz         equivalent meat for the Child Nutrition Meal Pattern Requirements. (Use of this         logo and statement authorized by the Food and Nutrition Service, USDA 03/03**).         CN
Cubed Beef	Patties with Soy Protein Isolate (Raw)
CN	CN
	CN
Breaded Ve	al Patty (not claiming bread alternate credit)
CN	CN
School Pac	k Breaded Chicken Patty (claiming bread alternate credit)
CN	CN Each 4.00 oz Fully Cooked Breaded Chicken Patty provides 2.00 oz equivalent meat and 1-1/4 servings of bread alternate for Child Nutrition Meal Pattern Requirements. (Use of this logo and statement authorized by the Food and

<sup>\*</sup> The 6-digit CN identification number is assigned by USDA, FNS CN labeling staff.

<sup>\*\*</sup> Date is written using numbers to represent the month/year of final FNS label approval.

	CN
	000000*
I	Six 0.50 oz fully cooked Meat Balls provide 2.00 oz equivalent meat/meat
CN	alternate for Child Nutrition Meal Pattern Requirements. (Use of this logo and CN
1	Statement authorized by the Food and Nutrition Service, USDA 07/04**).
	CN
Cooked Be	ef Patty Crumbles (A bulk product, contains APP)
	CN
	000000*
	One pound (16 oz) of cooked Beef Patty Crumbles provides 11.84 <sup>14</sup> oz equivalent
CN	meat/meat alternate for Child Nutrition Meal Pattern Requirements. (Use of this CN
	logo and statement authorized by the Food and Nutrition Service, USDA 01/03**).
<u> </u>	CN
Barbecue S	Sauce with Chopped Beef and Textured Soy Protein Flour (5 lb tub)
	CN
	000000*
	This 80.0 oz container provides 20 four-oz servings. Each 4.00 oz serving (by
I	weight) of Barbecue Sauce with Chopped Beef and Textured Soy Protein Flour
CN	provides 2.00 oz equivalent meat/meat alternate for Child Nutrition Meal Pattern CN
	Requirements. (Use of this logo and statement authorized by the Food and
	Nutrition Service, USDA 02/03**).
	CN
Pepperoni	Pizza (whole pizza, claiming bread alternate and vegetable/fruit)
••	
Г	CN

Cut this 40.0 oz pizza into 8 equal 5.0 oz portions. Each 5.0 oz portion of CN Pepperoni Pizza provides 2.00 oz equivalent meat/meat alternate, 1.0 serving CN of bread alternate, and 1/8 cup serving of vegetable for Child Nutrition Meal Pattern Requirements. (Use of this logo and statement authorized by the Food and Nutrition Service, USDA 12/04\*\*). CN

<sup>\*</sup> The 6-digit CN identification number is assigned by USDA, FNS CN labeling staff.

<sup>\*\*</sup> Date is written using numbers to represent the month/year of final FNS label approval.

<sup>&</sup>lt;sup>14</sup> The credit for bulk products when expressed as "One Pound (16 oz)" may be truncated or cut off to two decimal places instead of being rounded down. Do not round up.
2

Beef Ravioli (Canned) [containing enriched wheat macaroni product with fortified protein]

CN 00000\* Contents of this can (108 oz) provides 13.50 servings (8.00 oz by weight). Each S.00 oz serving (containing 8 pies and sauce) of Beef Ravioli made with Enriched CN Macaroni Product with Fortified Protein provides 2.00 oz equivalent meat/meat alternate for Child Nutrition Meal Pattern Requirements. (Use of this logo and statement authorized by the Food and Nutrition Service, USDA 09/04\*\*). CN

Pizza with Pork Patty Crumbles (individually wrapped and labeled, claiming bread alternate and vegetable/fruit)

CN 000000\* This 5.00 oz Pizza with Pork Patty Crumbles provides 2.00 oz equivalent meat/ CN meat alternate, 1-1/2 servings of bread alternate, and 1/8 cup serving of CN vegetable for Child Nutrition Meal Pattern Requirements. (Use of this logo and logo and statement authorized by the Food and Nutrition Service, USDA 12/04\*\*). CN

#### Beef, Bean, and Cheese Burritos

CN 000000\* Each 5.50 oz Beef, Bean, and Cheese Burrito provides 2.00 oz equivalent CN CN meat/meat alternate and 1-3/4 servings of bread alternate for Child Nutrition Meal Pattern Requirements. (Use of this logo and Statement authorized by the Food and Nutrition Service, USDA 08/03\*\*). CN Franks CN 000000\* CN Each 1.60 oz Frank provides 1.50 oz equivalent meat for the Child Nutrition ĊΝ Meal Pattern Requirements. (Use of this logo and statement authorized by the Food and Nutrition Service, USDA 03/04\*\*). \_\_\_\_\_ CN -

\* The 6-digit CN identification number is assigned by USDA, FNS CN labeling staff.

\*\* Date is written using numbers to represent the month/year of final FNS label approval.

Breaded Chicken Patty Nuggets with Green Beans (Pre-plated Meal)

CN 00000\* Each 5.50 oz meal (consisting of Six 0.50 oz Breaded Chicken Patty Nuggets CN and 2.50 oz Green Beans) provides 2.00 oz equivalent meat/meat alternate, CN 3/4 serving of bread alternate, and 3/8 cup serving of vegetable for the Child Nutrition Meal Pattern Requirements. (Use of this logo and statement authorized by the Food And Nutrition Service, USDA 01/05\*\*). CN

#### Beef Chili with Beans and Textured Soy Protein Isolate (indiscrete portion size)

CN 00000\* Each 5.25 oz (by weight)<sup>15</sup> portion of Beef Chili with Beans and Textured Soy CN Protein Isolate provides 2.00 oz equivalent meat/meat alternate and 1/4 cup CN serving of vegetable for the Child Nutrition Meal Pattern Requirements. (Use of this logo and Statement authorized by the Food and Nutrition Service, USDA 02/05\*\*) CN

<sup>\*</sup> The 6-digit CN identification number is assigned by USDA, FNS CN labeling staff.

<sup>\*\*</sup> Date is written using numbers to represent the month/year of final FNS label approval.

<sup>&</sup>lt;sup>15</sup> For products having indiscrete portion sizes (chili, stew, soup, etc.), more than 15 pieces per portion (teeny tiny meatballs, mini nuggets or bits, etc.), or multiple unequally sized pieces (nuggets, bits, or strips, etc. that cannot be portioned to be the same weight) – the portion size should be given <u>by</u> <u>weight</u> instead of by the piece. Since volume is not an accurate measurement for weight, volume measurements are not acceptable in the CN statement.

## Selected Yield Data for Commonly Used Meats<sup>16</sup>

MEAT	<u>YIELD</u>
BEEF, FRESH OR FROZEN	
Brisket Without bone, practically free of fat Without bone, ¼" trim	
<b>Chuck Steak</b> Eye roll, without bone, practically free of fat	.74%
Flank Steak Practically free of fat	.73%
Ground Beef <sup>17</sup> No more than 30% fat No more than 26% fat No more than 24% fat No more than 20% fat No more than 15% fat No more than 10% fat	.72% .73% .74% .75%
Heart Trimmed	.56%
Loin Steak Bottom sirloin butt, tri-tip, defatted, without bone, practically free of fat Tenderloin, side muscle on, defatted, ¼" trim	
Skirt Steak (Beef Plate) Inside Outside, skinned, practically free of fat	
<b>Special Trim<sup>18</sup></b> Composite of trimmed retail cuts, without bone, practically free of fat	.57%
Stew Meat Practically free of fat, without bone	.61%

<sup>16</sup> Data derived from the <u>Food Buying Guide for Child Nutrition Programs</u>, Program Aid Number 1331, November 2001 and the <u>Pen and Ink Changes</u> (for the 2001 FBG).

<sup>&</sup>lt;sup>17</sup> Ground Beef is based on USDA, FSIS Standard as published in the Code of Federal Regulations, Title 9, Part 319.15(a) chopped beef, ground beef, but with maximum fat content as listed here.

<sup>&</sup>lt;sup>18</sup> Beef Special Trim is beef trimmings where each piece has a surface area on one side not less than 8 square inches and no less than 1/2 inch thick at any point.
25

## <u>MEAT</u>

#### <u>YIELD</u>

#### CHICKEN

Boneless Chicken Skin & fat in natural proportions709	%
Boned Chicken Canned, USDA Commodity929	%
Back Pieces, with skin	%
Breast Half With back, with skin	
Breast Portion With back, with skin	
Drumstick With skin, with bone	
Ground	%
Leg Quarter With skin, with bone	
Mechanically Separated	%
Tenderloin Boneless chicken breast pieces without skin739	%
ThighWith skin, without back, with boneWith skin, with back, with bone429Without skin, without back, with bone539	%
Wing Whole, with skin, with bone	%

#### MEAT

#### YIELD

FRANKFURTERS <sup>1</sup>	9	100%
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#### PORK, FRESH OR FROZEN

#### Ground Pork<sup>20</sup>

No more than 30% fat	70%
No more than 26% fat	72%
No more than 24% fat	73%
No more than 20% fat	74%
No more than 15% fat	75%
No more than 10% fat	76%

#### Heart

Trimmed	57%
Untrimmed	51%

#### Shoulder

Boston Butt, without bone,1/4-inch trim	60%
Boston Butt, with bone, 1/4-inch trim	52%
Picnic, without bone, 1/4-inch trim	57%
Picnic, with bone, 1/4-inch trim	43%
Picnic, Cushion, without bone, practically	
free of fat	65%

#### Sausage

Fresh, Bulk, Link, or Patty <sup>21</sup>	
Italian <sup>22</sup>	62%

#### PORK, CANNED

#### Pork with Natural Juices

USDA Commodity ......51%

<sup>19</sup> Yields for frankfurters, bologna, Knockwurst, and Vienna sausage are based on products that do not contain meat or poultry byproducts, cereals, binders, or extenders, except to include those products containing Alternate Protein Products (APP) within the limits specified in 9 CFR 319.180(e) and meeting the requirements of Appendix A of 7 CFR 210, 220, 225, and 226. No other binders and extenders may be used in conjunction with APP to receive the ounce per ounce crediting.

<sup>20</sup> Ground Pork is based on USDA Standard as referenced in FSIS Policy Book. Must comply with Code of Federal Regulations, Title 9, Part 319.15(a), but with maximum fat content as is listed here.

<sup>&</sup>lt;sup>21</sup> Pork sausage (no more than 50 percent trimmable fat and 3% maximum water) is based on USDA, FSIS Standard as published in the Code of Federal Regulations, Title 9, Part 319.141 Fresh Pork.

<sup>&</sup>lt;sup>22</sup> Sausage, Italian, products (total fat content not more than 35 percent and 3% maximum water). May be made with Pork, Beef and/or Veal, based on USDA, FSIS Standard as published in the Code of Federal Regulations, Title 9, Part 319.145.

#### <u>MEAT</u>

#### <u>YIELD</u>

#### TURKEY

Boneless Skin and fat in natural proportions	70%
Ground	70%
Turkey Ham <sup>23</sup> Cooked	70%
Whole, Ready to Cook, Without Neck and Giblets With skin Without skin	

#### VEAL, FRESH OR FROZEN

Ground	
No more than 16% fat79	%

## Selected Yield Data for Commonly Used Meat Alternates <sup>24</sup>

## MEAT ALTERNATES

#### SERVINGS PER POUND

Beans, dry <sup>25</sup>	
Black (Turtle)	18.3 ¼-cup cooked beans
Black-eyed beans (or peas)	28.3 ¼-cup cooked beans
Garbanzo (chickpeas)	24.6 ¼-cup cooked beans
Great Northern	25.5 ¼-cup cooked beans
Kidney	24.8 ¼-cup cooked beans
	29.6 ¼-cup cooked lentils
Lima	
Baby	23.4 ¼-cup cooked beans
Ford hook	27.0 ¼-cup cooked beans
Mung	28.1 ¼-cup cooked beans
	23.9 ¼-cup cooked beans
Pink	19.3 ¼-cup cooked beans
	21.0 ¼-cup cooked beans

<sup>&</sup>lt;sup>23</sup> Turkey Ham is based on USDA, FSIS Standard as published in the Code of Federal Regulations, Title 9, Subpart P, Part 381.171.

<sup>&</sup>lt;sup>24</sup> Data derived from the <u>Food Buying Guide for Child Nutrition Programs</u>, Program Aid Number 1331, November 2001 & <u>Pen & Ink Changes</u> (for the 2001 FBG), May 2003.

<sup>&</sup>lt;sup>25</sup> 1/4 cup cooked beans = 1 oz <u>equivalent</u> meat alternate.

Red, small	20.4 ¼-cup cooked beans
Soybeans	25.9 ¼-cup cooked beans

## MEAT ALTERNATES

## SERVINGS PER POUND

#### Dry Beans, Canned

Baked or in Sauce, Vegetarian 6.94 ¼-cup beans & sauce
Baked or in Sauce, w/Pork
Beans with Bacon in Sauce 4.70 ¼-cup beans & sauce
Beans, Refried 7.08 ¼-cup cooked beans
Black (Turtle)
drained
undrained 4.04 ¼-cup cooked, drained beans
Black-eyed beans/peas
drained 9.28 ¼-cup cooked beans
undrained 5.58 ¼-cup cooked, drained beans
Garbanzo/Chickpeas
drained
undrained 6.31 ¼-cup cooked, drained beans
Great Northern
drained 7.56 ¼-cup cooked beans
undrained 4.71 ¼-cup cooked, drained beans
Kidney
drained 8.76 1/4-cup cooked beans
undrained 5.76 1/4-cup cooked, drained beans
Lima
drained 9.56 1/4-cup cooked beans
undrained 6.46 1/4-cup cooked, drained beans
Pink
drained
undrained 4.94 ¼-cup cooked drained beans
Pinto
drained 8.83 ¼-cup cooked beans
undrained 5.51 ¼-cup cooked, drained beans
Red
drained 7.16 ¼-cup cooked beans
undrained 4.59 ¼-cup cooked drained beans
Soy (drained)

## **Dehydrated Beans**

Pinto	. 21.7	′ <b>¼-cu</b> p	reconstituted	cooked
Refried	. 20.5	¼-cup	reconstituted	cooked

#### Cheese

8.0 1-oz servings
8.0 1-oz servings
8.0 1-oz servings
16.0 1-oz servings
16.0 1-oz servings

Feta	16.0 1-oz servings
Cheddar	16.0 1-oz servings
Camembert	16.0 1-oz servings

#### **MEAT ALTERNATES**

#### SERVINGS PER POUND

#### **Cheese, Continued**

Mozzarella	. 16.0 1-oz servings
Parmesan (grated)	. 16.0 1-oz servings
Pasteurized Process American	. 16.0 1-oz servings
Provolone	. 16.0 1-oz servings
Romano (grated)	
Swiss	. 16.0 1-oz servings

#### **Cheese Substitute**

Cheese Food/Cheese Spread	
Substitute	8.0 1-oz servings
Cheddar Cheese Substitute	16.0 1-oz servings
Mozzarella Cheese Substitute	16.0 1-oz servings

#### Eggs <sup>26</sup>

Dried Whole Eggs	. 32 large eggs or 64-oz eq. mt. alternate
Frozen Whole Eggs	. 9 large eggs or 18-oz eq. mt. alternate

#### Nut & Seed Butters

Canned (almond, cashew, peanut, reduced fat peanut butter, Sesame seed, soy nut, sunflower seed)...... 14.4 oz equivalent meat alternate

#### Seeds (shelled)

Pumpkin, Sesame, Squash, Sunflower ...... 16.0 oz equivalent meat alternate

#### Tree Nuts & Other Nuts

#### Yogurt

Plain or Flavored or Sweetened

or Unsweetened ...... 4.0 oz equivalent meat alternate

<sup>&</sup>lt;sup>26</sup> One large egg = 2 oz <u>equivalent</u> meat alternate

#### Selected Yield Data for Commonly Used Vegetables

#### **VEGETABLES**

#### SERVINGS PER POUND

#### Beans, Black-eyed Beans or Peas

Fresh (shelled)	10.30 ¼-cup cooked drained
Canned (drained)	9.28 ¼-cup cooked

#### Beans, Green

Fresh (ready-to-cook)	. 11.2 ¼-cup cooked drained
Canned (cut, drained)	. 12.08 ¼-cup cooked
Canned (French style, drained)	. 9.89 ¼-cup cooked
Canned (whole, drained)	. 10.89 ¼-cup cooked
Frozen (cut)	. 11.6 ¼-cup cooked drained
Frozen (French style)	. 12.0 ¼-cup cooked drained
Frozen (whole)	. 10.7 ¼-cup cooked drained

#### Beans, Kidney

Canned (drained		cup cooke	ed
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#### Beans, Lima

Fresh (shelled)	10.8	¼-cup	cooked drained
Canned (green, drained)	9.56	¼-cup	cooked
Frozen (baby)	10.9	¼-cup	cooked drained
Frozen (Ford hook)	11.1	¼-cup	cooked drained

#### Beans, Pinto

#### Beans, Soy

Fresh, Edamame (shelled)	10.7 ¼-cup cooked draine	эd
Fresh, Edamame (in pod)	6.90 ¼-cup cooked draine	эd

#### Beans, Sprouts

Canned (drained)......7.89 ¼-cup cooked

#### Beans, Wax

Fresh (tri	mmed, ı	ready-to-cook)	 11.05	i ¼-cup	o cooked	drained
Canned (	(drained)	)	 9.25	¼-cup	cooked d	Irained

#### Beets

Canned (diced, drained)	9.06	¼-cup	cooked
Canned (sliced, drained)	8.97	¼-cup	cooked
Canned (whole baby beets, drained)	9.17	¼-cup	cooked

#### Broccoli

Fresh (ready-to-cook spears)	. 13.0 ¼-cup cooked drained
Fresh (ready-to-cook cuts)	. 12.59 ¼-cup cooked drained
Frozen (spears)	. 10.9 ¼-cup cooked drained

Frozen (cut or chopped) ...... 9.60 ¼-cup cooked drained

### **VEGETABLES**

## SERVINGS PER POUND

#### **Brussels Sprouts**

Fresh (trimmed, ready-to-cook)	13.4 ¼-cup	cooked drained
Frozen	10.4 ¼-cup	cooked drained

#### Cabbage, Chinese or Celery

Fresh (ready-to-cook, strips) ..... 11.39 ¼-cup cooked drained

#### Cabbage, Green

Fresh (ready-to-cook, shredded)	. 15.86 ¼-cup cooked drained
Fresh (ready-to-serve, shredded)	. 27.0 ¼-cup raw

#### Cabbage, Red

Fresh (	(ready-to-cook, shredded)	
Fresh (	(ready-to-serve, shredded)	22.8 ¼-cup raw

#### Carrots

Fresh (ready-to-cook, slices)	
Fresh (ready-to-cook, shredded)	
Fresh (ready-to-serve, shredded)	19.9 ¼-cup raw
Canned (diced, drained)	
Canned (sliced, drained)	
Frozen (sliced)	

#### Cauliflower

Fresh (trimmed, ready-to-cook, florets)	14.1	¼-cup	cooked drained
Frozen (florets)	9.20	¼-cup	cooked drained

#### Celery

Fresh (trimmed, ready-to-cook, diced)	10.48 ¼-cup cooked drained
Fresh (ready-to-serve, diced)	12.9 ¼ cup raw
Canned (diced, drained)	8.30 ¼-cup cooked

#### Collards

Fresh (ready-to-cook, trimmed leaves)	10.87 ¼-cup cooked drained
Fresh (ready-to-cook, trimmed leaves	
and stems)	14.18 ¼-cup cooked drained
Canned (drained)	6.55 ¼-cup cooked drained
Frozen (chopped or whole leaf)	9.20 ¼-cup cooked drained

#### Corn

Canned (whole kernel, vacuum-pack,	
drained)	8.66 ¼-cup cooked
Canned (whole kernel, liquid pack,	
drained)	8.64 ¼-cup cooked
Frozen (whole kernel)	11.00 ¼-cup cooked drained

## **VEGETABLES**

## **SERVINGS PER POUND**

#### Kale

Fresh (ready-to-cook, trimmed,	
without stem)	
Canned (drained)	
Frozen (chopped)	
Frozen (whole leaf)	9.50 ¼-cup cooked drained

#### Lettuce

Fresh (	read	y-to-serve,	shredded	)
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#### **Mushrooms**

Fresh (ready-to-cook, sliced)	8.46 ¼-cup cooked drained
Canned (drained)	11.60 ¼-cup cooked

#### **Mustard Greens**

Fresh (ready-to-cook, trimmed,	
without stems)	14.1 ¼-cup cooked drained
Canned (drained)	8.09 ¼-cup cooked
Frozen (chopped)	11.6 ¼-cup cooked drained
Frozen (leaf)	12.3 ¼-cup cooked drained

#### Okra

Fresh (ready-to-cook, sliced)	10.34 ¼-cup cooked drained
Canned (cut, drained)	10.34 ¼-cup cooked
Frozen (cut)	9.10 ¼-cup cooked drained

#### **Onions**, Mature

Fresh (ready-to-cook, pieces)	8.97	¼-cup cooked drained
Canned (drained)	7.62	¼-cup cooked
Frozen (ready-to-cook, chopped)	5.94	¼-cup cooked drained
Dehydrated (chopped)	49.9	1/4-cup reconstituted, cooked

#### Peas, Green

Fresh (shelled)	10.6	¼-cup	cooked drained
Canned (drained)	8.63	¼-cup	cooked
Frozen (shelled)	9.59	¼-cup	cooked drained

### **Peas and Carrots**

Canned (drained)	10.01 ¼-cup cooked
Frozen	10.9 ¼-cup cooked drained

#### Peppers, Bell, Green or Red

Fresh (ready-to-cook, strips)	12.25 ¼-cup cooked drained
Frozen (ready-to-cook, diced)	

#### Peppers, Green Chilies

Canned (chopped)......7.98 ¼-cup cooked

### **VEGETABLES**

## **SERVINGS PER POUND**

#### Pimentos

Canned	(chopped or	diced	1
	I)		

drained)	8.80 ¼-cup cooked
Canned (whole, drained)	•

#### Potatoes, White

Fresh (ready-to-cook, pared, diced)	. 10.98 ¼-cup cooked, drained
Fresh (ready-to-cook, pared, sliced)	. 12.22 ¼-cup cooked, drained
Canned (diced, drained)	. 8.66 ¼-cup cooked
Canned (small, whole, drained)	. 9.44 ¼-cup cooked
Frozen (diced)	. 8.97 ¼-cup cooked, drained
Frozen (French fries, crinkle cut)	. 12.6 ¼-cup cooked
Frozen (mashed)	. 7.37 ¼-cup cooked
Frozen (rounds, regular size)	. 12.7 ¼-cup cooked (4 pieces, .32 oz ea)
Frozen (rounds, mini size)	. 12.2 ¼-cup cooked (8 pieces, .16 oz ea)
Frozen (circles)	. 12.6 ¼-cup cooked (5 pieces, .25 oz ea)
Frozen (wedges)	. 11.9 ¼-cup cooked

#### Potatoes, Dehydrated (low moisture)

Diced	45.1 ¼-cup reconstituted cooked
Flakes	50.5 ¼-cup reconstituted cooked
Granules	
Hash Browns	•
Slices	•

#### Salsa, 100% Vegetable

Canned7	7.40 ¼-cup
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#### Sauerkraut

Canned (drained)..... 10.43 ¼-cup cooked

#### Spinach

Fresh (ready-to-cook)	8.63 ¼-cup cooked drained
Fresh (ready-to-serve, chopped)	25.6 ¼-cup raw
Fresh (ready-to-serve, chopped)	23.18 ¼-cup raw with dressing
Canned (drained)	7.33 ¼-cup cooked
Frozen (chopped)	5.60 ¼-cup cooked, drained

#### Squash, Summer

Fresh, Yellow (ready-to-cook, cubed) 7.68 1/4-cup cooked drained
Fresh, Yellow (ready-to-cook, sliced) 8.86 1/4-cup cooked drained
Fresh, Zucchini (ready-to-cook, cubed) 8.00 1/4-cup cooked drained
Fresh, Zucchini (ready-to-cook, sliced) 10.62 1/4-cup cooked drained
Canned (sliced, drained) 6.95 1/4-cup cooked
Frozen, Yellow (sliced) 7.90 1/4-cup cooked drained

## VEGETABLES

## **SERVINGS PER POUND**

#### Succotash (Corn & Green Beans)

Canned (drained)	
Frozen	

#### Succotash (Corn & Lima Beans)

Canned (drained)	8.47 ¼-cup cooked
Frozen	9.25 ¼-cup cooked drained

#### **Sweet Potatoes**

Fresh (pared, whole)	6.87 ¼-cup cooked, mashed
Fresh (pared, sliced)	11.37 ¼-cup cooked, drained
Fresh (whole)	6.60 ¼-cup baked
Canned (mashed)	7.20 ¼-cup cooked
Canned-syrup pack (cut, drained)	8.88 ¼-cup cooked
Canned-syrup pack (whole, drained)	7.95 ¼-cup cooked
Frozen (mashed)	7.55 ¼-cup cooked
Dehydrated (flakes)	18.5 ¼-cup reconstituted cooked

#### Tomatoes

Fresh (ready-to-serve, diced)	8.74	¼-cup raw
Fresh (ready-to-serve, diced)	6.67	¼-cup cooked
Fresh (ready-to-serve, sliced)	9.80	1/4-cup raw
Canned (crushed)	7.30	1/4-cup cooked
Canned (diced, with juice)	7.71	1/4-cup cooked
Canned (whole, with juice)	7.13	1/4-cup cooked

#### **Tomato Paste**

Canned, Extra Heavy
39.3% or more Natural Tomato
Soluble Solids (NTSS) 45.1 ¼-cup vegetable
Canned, Heavy
32% or more, but
less than 39.3% NTSS 36.8 ¼-cup vegetable
Canned, Medium
28% or more, but
less than 32% NTSS 32.2 ¼-cup vegetable
Canned, Regular
24% or more, but
less than 28% NTSS 27.6 ¼-cup vegetable

#### Tomato Puree

Canned	14.4 ¼-cup cooked
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#### Tomato Sauce

## VEGETABLES

## SERVINGS PER POUND

Vegetables, Mixed (Broccoli & Cauliflow Frozen	-
Vegetables, Mixed (Broccoli, Cauliflower Frozen	
Vegetables, Mixed (Carrot, Corn, & Gree	n Bean blend)
Frozen	
Vegetables, Mixed (Peppers & Onions) Frozen	7.71 ¼-cup cooked, drained
Vegetables, Mixed (Seven Vegetables)	
Canned (drained)	8.68 ¼-cup cooked
Frozen	•
Water Chestnuts Canned (drained)	6.70 ¼-cup cooked

### APPLICATION PROCEDURE FOR <u>STATE</u> INSPECTED PLANTS (Equal-to-Federal inspection)

The procedure involves two steps:

<u>Step 1</u> Labels are submitted to the State Director for approval

- \* Label instructions are found in this manual
- \* Number of copies of label and transmittal: include one copy for Food and Nutrition Service (FNS) include usual number of copies provided for the State Director include one copy to be returned to the plant
- \* Send all copies to the State Director. The State Director will review the label application(s) for State requirements and forward the copies to FNS.
- \* FNS will review the CN related portions of the label and return it to the State Director
  - \* All labels must be <u>approved in final by FNS</u> before use.

Step 2 Partial Quality Control (PQC) Program is submitted for approval

\* Instructions are found in the handout:

#### Guideline for Preparation of Partial Quality Control Program # 550

- \* Attach a copy of the final approval of the label to the Partial Quality Control Program and mail to the State Director.
- \* CN labeled product cannot be produced or labeled until the PQC program has been approved and the label has been approved in final by FNS and by the State

## **APPLICATION PROCEDURE FOR CANADIAN PLANTS**

The procedure involves two steps:

<u>Step 1</u> Labels containing Meat and/or Poultry are submitted to the Food and Nutrition Service (FNS) for approval

- \* Labels must be submitted for final approval
- \* Label instructions are found in the *Child Nutrition Labeling for Meat and Poultry Products* manual, available from FNS
- \* Number of copies varies: include two copies for Food and Nutrition Service (FNS) include twp copies for the Food Labeling and Review Branch (FLRB) of the Food Safety and Inspection Service (FSIS) include one copy to be returned to the plant
- \* FNS will review the label and forward it directly to FLRB, FSIS who will also review the label and return a copy to the plant and to FNS.
- Step 2 Partial Quality Control Program is submitted for approval
  - \* Instructions are found in the handout:

#### Guideline for Preparation of Partial Quality Control Program # 550

\* PQC programs are submitted through:

Chief, National Programs Agriculture Canada 2255 Carling Avenue Ottawa, Ontario, K1A OY9

\* The Chief, National Programs will review the PQC program for Canadian requirements. The program must meet the PQC #550 requirements.

\* CN labeled product cannot be produced or labeled until the PQC program has been approved through Agriculture Canada, the label has been approved in final by FNS, and the label has obtained label approval including an approval number from FSIS.

## Italiano's Fine Frozen Pizza

## PIZZA WITH GROUND PORK and SOY PROTEIN CONCENTRATE

000000 Italiano's 5.00 oz Pizza with Ground Pork and Soy Protein Concentrate Provides 2.00 oz equivalent meat/meat alternate, 1/4 cup serving of CN vegetable, and 1-1/2 servings of bread alternate for the Child Nutrition Meal CN Pattern Requirements. (Use of this logo and statement authorized By the Food and Nutrition Service, USDA current month/year).

CN -

CN -

**INGREDIENTS:** CRUST: Enriched wheat flour (wheat flour, niacin, iron, thiamine mononitrate, riboflavin, folic acid), water oil yeast, dextrose. Salt, leavening. GROUND PORK AND SOY PROTEIN CONCENTRATE: Ground pork (not more than 24% fat), water, soy protein concentrate, spices. SAUCE: Tomato paste (not less than 31% Natural Tomato Soluble Solids), water, seasoning (salt, sugar, spices). CHEESE: Cheddar Cheese (milk, enzymes, salt).

Contains 10% cooked ground pork and soy protein concentrate topping

DISTRIBUTED BY: Italiano's Fine Frozen Pizza, Mt. Vernon, New York 12345

U.S. INSPECTED AND PASSED BY DEPARTMENT OF AGRICULTURE EST 38

NET WT. 32 LBS

KEEP FROZEN

Prepared by Food and Nutrition Service Child Nutrition Division Nutrition Promotion and Training Branch Technical Assistance Section

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