# Crediting Breakfast Cereals for Preschoolers in the National School Lunch Program, School Breakfast Program, and Afterschool Snack Program

This guidance applies through September 30, 2021, to the meal patterns for preschoolers (ages 1-4) in the U.S. Department of Agriculture's (USDA) School Breakfast Program (SBP), National School Lunch Program (NSLP), Seamless Summer Option (SSO) of the NSLP, and Afterschool Snack Program (ASP) of the NSLP. Effective October 1, 2021, the required amount for the grains component changes to ounce equivalents. For detailed guidance on the grains component, see the Connecticut State Department of Education's (CSDE) guide, *Menu Planning Guide for Preschoolers in the NSLP, SBP, and ASP*.



"Breakfast cereals" are defined by the Food and Drug Administration (FDA) (21 CFR 170.3(n)(4)) and include ready-to-eat (RTE) cereals (such as puffed rice cereals, round or flaked cereal, and granola) and instant and regular hot cereals (such as oatmeal, cream of wheat, and farina). RTE cereals can be eaten as sold and are typically fortified with vitamins and minerals.

The preschool meal patterns are the same as the meal patterns for the Child and Adult Care Food Program (CACFP). Therefore, the crediting and whole grain-rich (WGR) requirements for the grains component are different for preschoolers and grades K-12. For a comparison of these requirements, see the CSDE's handout, *Comparison of Meal Pattern Requirements for the Grains Component in School Nutrition Programs*.

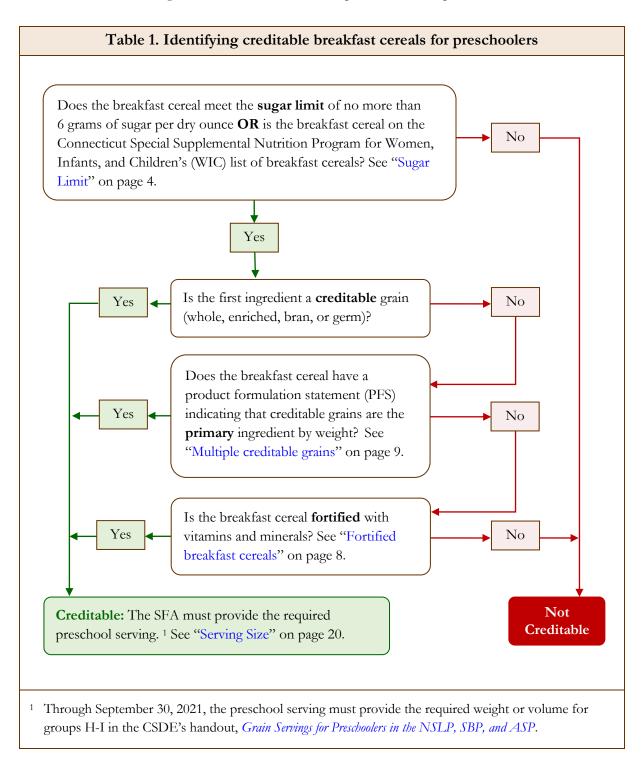
#### **Creditable Breakfast Cereals**

To credit in the preschool meal patterns, breakfast cereals must:

- contain a creditable grain (whole, enriched, bran, or germ) as the first ingredient or be fortified;
- contain no more than 6 grams of sugars per dry ounce; and
- provide the minimum preschool serving (required volume or weight).



Table 1 summarizes the steps for determining if breakfast cereals credit as the grains component in the preschool meal patterns. The CSDE recommends that school food authorities (SFAs) check the cereal's sugar content **first**, before determining if the cereal contains creditable grains. Breakfast cereals that exceed the sugar limit do not credit in the preschool meal patterns.



#### Serving the same breakfast cereals to preschoolers and grades K-12

The crediting and whole grain-rich (WGR) criteria for the NSLP and SBP are meal patterns are different for preschoolers and grades K-12. Breakfast cereals that meet the NSLP and SBP WGR criteria for grades K-12 will meet the preschool WGR criteria. However, they cannot credit as the grains component in the preschool meal patterns unless they also meet the preschool sugar limit.

If SFAs serve the **same** breakfast cereals to grades K-12 and preschoolers, these foods must meet the WGR criteria for grades K-12 and the preschool sugar limit. The two exceptions to this requirement are when SFAs choose to follow:

- the K-5 meal pattern for preschoolers and grades K-5 who eat in the same service area at the same time; or
- the ASP K-12 meal pattern for preschoolers and grades K-12 who eat in the same service area at the same time.



For more information on the meal pattern requirements for preschoolers and grade K-12 eating together, see section 1 of CSDE's guide, *Menu Planning Guide for Preschoolers in the NSLP, SBP, and ASP,* and USDA Memo SP 37-2017: *Flexibility for Co-Mingled Preschool Meals: Questions and Answers.* 

**Note:** Breakfast cereals that meet the preschool WGR criteria may or may not meet the WGR criteria for grades K-12. For information on the WGR requirements for grades K-12, see the CSDE's handout, *Whole Grain-rich Criteria for Grades K-12 in the NSLP and SBP*. For information on the differences between the grains component for preschoolers and grades K-12, see the CSDE's handout, *Comparison of Meal Pattern Requirements for the Grains Component in School Nutrition Programs*.



### **Sugar Limit**

RTE and cooked breakfast cereals cannot contain more than 6 grams of sugars per dry ounce (no more than 21.2 grams of sucrose and other sugars per 100 grams of dry cereal). The sugar limit applies only to breakfast cereals as purchased. SFAs may choose to add toppings to breakfast cereals to increase their appeal. However, the USDA strongly encourages SFAs to offer healthy toppings for breakfast cereals, such as fruit instead of sugar. Minimizing sweet toppings will help reduce consumption of added sugars, which contribute calories without essential nutrients.

The USDA allows three methods for determining if breakfast cereals meet the preschool sugar limit. A breakfast cereal meets the sugar limit if it complies with at least one of these methods. The USDA's webinar, *Choose Breakfast Cereals that are Lower in Added Sugars*, provides guidance on these methods. It is available in English and Spanish on the USDA's CACFP Halftime: Thirty on Thursdays Training Webinars website.

SFAs must maintain crediting documentation for breakfast cereals on file for the Administrative Review of school nutrition programs. This must include information on how the SFA determined that the cereal meets the sugar limit, and if the cereal meets the preschool WGR criteria.



#### Method 1: WIC breakfast cereals list

A breakfast cereal meets the sugar limit if it is listed on the Connecticut WIC Program's approved breakfast cereals list. WIC-approved whole-grain foods must comply with the same WGR criteria as the CACFP, which also apply to the preschool meal patterns. Connecticut WIC food guides are available on the Connecticut State Department of Public Health's Approved Food Guide webpage.

#### Method 2: USDA's sugar limit chart

A breakfast cereal meets the sugar limit if the sugars per serving on the product's Nutrition Facts panel do not exceed the maximum amount in the sugar limit chart listed in the USDA's worksheet, *Choose Breakfast Cereals that are Lower in Added Sugars.* This chart includes common breakfast cereal serving sizes with the maximum amount of sugars per serving. Method 2 eliminates the need for SFAs to perform calculations for the sugar limit. The USDA's worksheet is available in English and Spanish on the USDA's CACFP Training Tools webpage.

### Method 3: Calculation of grams of sugars per serving (standard and rounding options)

A breakfast cereal meets the sugar limit if the SFA's calculations document that the product does not contain more than 0.212 grams of sugars per dry gram of cereal weight. This is the gram equivalent of no more than 6 grams of sugars per dry ounce (28.35 grams). Method 3 includes two options for calculating compliance with the sugar limit. Both options use the sugars per serving from the product's Nutrition Facts panel.

- 1. The **standard method** calculates the grams of sugars per dry gram of cereal weight.
- 2. The **rounding method** calculates the sugar limit (grams) based on the serving weight (grams) of the cereal. It uses the standard rules for rounding, which are:
  - round up to the next whole number if the number after the decimal point is 0.5 or greater (e.g., 4.52 rounds up to 5); and
  - round down to the next whole number if the number after the decimal point is less than 0.5 (e.g., 6.148 rounds down to 6).

The rounding method is the calculation method used in the USDA's worksheet, *Choose Breakfast Cereals that are Lower in Added Sugars* (see "Method 2: USDA's sugar limit chart" above).

Tables 2 and 3 show sample calculations for the standard and rounding options of method 3, using the Nutrition Facts panel for the RTE breakfast cereal on the right. Each method shows that this breakfast cereal meets the preschool sugar limit. To credit in the preschool meal patterns, this cereal must also meet the requirements for creditable grains (see "Creditable grains" on page 7) and provide the required preschool serving (see "Serving Size" on page 19).

**Note:** The standard and rounding calculation methods are both valid ways of demonstrating that a breakfast cereal meets the preschool sugar limit. There may be times when a breakfast cereal meets the sugar limit using one of these methods, but not the other. If a breakfast cereal meets the sugar limit using at least one of these calculation methods, it complies with the sugar limit.

Nutrition Fa	cts
Serving Size 3/4 cup (2	<mark>29 g)</mark>
Amount Per Serving	
Calories	110
%	Daily Value*
Total Fat 0 g	8%
Saturated Fat 0g	
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 150 mg	1%
Potassium 35 mg	1%
Total Carbohydrates 26g	1%
Dietary Fiber 1g	20%
Sugars 4g	
Including 0g Added Sugar	rs
Protein 3 g	

	Table 2. Calculation of preschool sugar limit compliance using standard method						
1.	List the grams (g) of sugars per serving from the cereal's Nutrition Facts label.	A	4	grams of sugars per serving of cereal			
2.	List the serving size in grams from the cereal's Nutrition Facts label.	В	29	serving size (grams)			
3.	Calculate the grams of sugars per gram of serving weight (Divide A by B).	С	0.1379	sugars per gram			
4.	Is C equal to or less than 0.212? ☑ Yes ☐ No If "yes," the breakfast cereal meets the preschool		ır limit.				

	Table 3. Calculation of preschool sugar limit compliance using rounding method						
1.	List the serving size in grams (g) from the cereal's Nutrition Facts label.	A	29	grams			
2.	Calculate the sugar limit for the product's serving size: Multiply A by 0.212.	В	6.148	grams of sugars per serving (required limit)			
3.	Calculate the rounded sugar limit: If the number in B ends in 0.5 or more, round up to the next whole number. If the number in B ends in 0.49 or less, round down to the next whole number.	С	6	allowable grams of sugars per serving (rounded limit)			
4.	List the grams (g) of sugars per serving from the cereal's Nutrition Facts label	D	4	grams of sugars per serving of cereal			
5.	Is D equal to or less than C? ☑ Yes ☐ No If "yes," the breakfast cereal meets the prescho	ool suga	ır limit.				

#### **Creditable Grains**

Creditable grains for the preschool meal patterns include whole grains, enriched grains, bran, and germ. **Note:** Bran and germ credit in the preschool meal patterns for the NSLP, SBP and ASP; and the ASP meal pattern for grades K-12. However, they do not credit in the NSLP and SBP meal patterns for grades K-12.

To credit as the grains component, breakfast cereals must contain a creditable grain as the first ingredient, or be fortified. SFAs must check the ingredients statement to determine if breakfast cereals meet at least one of these crediting criteria.

#### Whole grains

Whole grains consist of the entire cereal grain seed or kernel (starchy endosperm, fiber-rich bran, and nutrient-rich germ) after removing the inedible outer husk or hull. A 100 percent whole-grain cereal lists a whole grain as the first ingredient and contains only whole grains. The ingredients statement below shows an example of a 100 percent whole-grain breakfast cereal.

Ingredients: Whole-grain rolled oats, sugar, natural flavors, salt.

For more information on identifying whole grains, see CSDE's handout, *Crediting Whole Grains in the NSLP and SBP*.

#### Enriched grains

Enriched breakfast cereals have five vitamins and minerals added in amounts required by the FDA to replace some of the nutrients lost during processing. The enrichment nutrients include thiamin (vitamin B<sub>1</sub>, thiamin mononitrate, or thiamin hydrochloride); riboflavin (vitamin B<sub>2</sub>); niacin (vitamin B<sub>3</sub> or niacinamide); folic acid (folate); and iron (reduced iron, ferrous sulfate, or ferric orthophosphate). A breakfast cereal is enriched if the food is labeled as "enriched" or an enriched grain is the first ingredient. The ingredients statement below shows an example of an enriched puffed rice cereal.

Ingredients: Puffed rice, ferrous sulfate (a source of iron), niacinamide, citric acid, thiamin mononitrate, riboflavin, folic acid.

For more information on identifying enriched grains, see the CSDE's handout, *Crediting Enriched Grains in the NSLP and SBP*.

#### Fortified breakfast cereals

Fortified breakfast cereals have nutrients added by the manufacturer that were not originally present in the food, or that are at higher levels than originally present. Manufacturers may choose which additional nutrients to use for fortification. Fortified breakfast cereals typically contain the five enrichment nutrients plus other vitamins and minerals. Different cereal brands may list different fortification nutrients. The USDA does not specify a minimum number of nutrients or a minimum percentage for the level of fortification for breakfast cereals in Child Nutrition Programs. If a breakfast cereal is fortified, it does not need to be enriched.

A breakfast cereal is fortified if it is labeled as "fortified" or the ingredients statement lists the vitamins and minerals added to the product. The ingredients statement below shows an example of a RTE breakfast cereal fortified with 11 vitamins and minerals, listed after "Vitamins and Minerals."

Ingredients: Whole-grain wheat, raisins, wheat bran, sugar, brown sugar syrup, contains 2% or less of salt, malt flavor. **Vitamins and Minerals:** Potassium chloride, niacinamide, reduced iron, vitamin  $B_6$  (pyridoxine hydrochloride), zinc oxide, vitamin  $B_2$  (riboflavin), vitamin  $B_1$  (thiamin hydrochloride), vitamin A palmitate, folic acid, vitamin D, vitamin  $B_{12}$ .

This cereal is WGR because it contains a whole grain (whole-grain wheat) as the first ingredient and is fortified.

If the ingredients statement does not list any added vitamins and minerals, the breakfast cereal is not fortified. To credit as the grains component in the preschool meal patterns, nonfortified breakfast cereals must contain a creditable grain (whole, enriched, bran, or germ) as the first ingredient.

#### Bran and germ

Bran (such as oat bran, wheat bran, corn bran, rice bran, and rye bran) is the seed husk or outer coating of cereal grains such as wheat, rye, and oats. Germ (such as wheat germ) is the vitamin-rich embryo of the grain kernel. The ingredients statement below shows an example of a creditable RTE breakfast cereal that contains wheat bran as the first ingredient.

Ingredients: Wheat bran, sugar, malt flavor, contains 2% or less of salt. **Vitamins and Minerals:** Calcium carbonate, vitamin C (sodium ascorbate and ascorbic acid), reduced iron, niacinamide, vitamin  $B_6$  (pyridoxine hydrochloride), vitamin  $B_2$  (riboflavin), folic acid, vitamin  $B_1$  (thiamin hydrochloride), vitamin A palmitate, vitamin  $B_{12}$ , vitamin D.



**Note:** Bran and germ credit in the preschool meal patterns for the NSLP, SBP and ASP; and the ASP meal pattern for grades K-12. However, they do not credit in the NSLP and SBP meal patterns for grades K-12.

#### Multiple creditable grains

If a breakfast cereal is not fortified, and a creditable grain is not the first ingredient but the breakfast cereal contains more than one creditable grain, the SFA must obtain a product formulation statement (PFS) from the manufacturer that states the weight of all creditable grains. To credit in the preschool meal patterns, the PFS must document that the combined weight of all creditable grains is the greatest ingredient by weight in the breakfast cereal. For information on PFS forms, see the CSDE's handouts, *Product Formulation Statements* and *Accepting Processed Product Documentation*, and the USDA's handouts, *Product Formulation Statement for Grains: Servings* (through September 30, 2021), *Sample Completed Product Formulation Statement for Grains: Servings* (through September 30, 2021), *Product Formulation Statement for Grains:* Ounce Equivalents (effective October 1, 2021), *Sample Completed Product Formulation Statement for Grains:* Ounce Equivalents (effective October 1, 2021), and *Tips for Evaluating a Manufacturer's Product Formulation Statement.* 

#### Whole-Grain Rich (WGR) Requirement

The preschool meal patterns require at least one serving of WGR grains per day, between all meals and ASP snacks served to preschoolers. The USDA's *CACFP Best Practices* recommends at least two servings of WGR grains per day. All WGR foods credit in the preschool meal patterns, but not all creditable foods are WGR.

The USDA has different WGR criteria for RTE breakfast cereals in group I (such as puffed cereals, flaked or round cereals, and granola) and cooked breakfast cereals in group H (such as oatmeal, cream of wheat, and farina) of the USDA's grain servings chart. This chart is listed in the CSDE's handout, *Grain Servings for Preschoolers in the NSLP, SBP, and ASP*.

- Preschool WGR criteria for RTE breakfast cereals (group I): Table 4 on page 11 summarizes the steps for determining if RTE breakfast cereals meet the preschool WGR criteria. To be WGR, RTE breakfast cereals must list a whole grain as the first ingredient; be fortified; and meet the sugar limit. For more information, see "Sugar Limit" on page 4 and "Fortified breakfast cereals" on page 8.
- Preschool WGR criteria for cooked breakfast cereals (group H): Table 5 on page 12 summarizes the steps for determining if cooked breakfast cereals meet the preschool WGR criteria. To be WGR, cooked breakfast cereals must meet the sugar limit and comply with the USDA's "rule of three" preschool WGR criteria. The "rule of three" states that the first ingredient must be a whole grain, and the next two grain ingredients (if any) must be whole, enriched, bran, or germ. A noncreditable grain cannot be one of the first three grain ingredients. For guidance on the USDA's "rule of three" WGR criteria for preschool meals, see the CSDE's handout, Whole Grain-rich Criteria for Preschoolers in the NSLP, SBP, and ASP. For information on the sugar limit, see "Sugar Limit" on page 4.

**Note:** Breakfast cereals that meet the WGR criteria of the NSLP and SBP meal patterns for grades K-12 also meet the preschool WGR criteria. To credit as WGR foods in preschool meals and ASP snacks, they must also meet the preschool sugar limit.

#### Multiple whole grains

If a whole grain is not the first ingredient, but the breakfast cereal contains more than one whole grain, the SFA must obtain a PFS from the manufacturer that states the weight of all whole grains and the weight of all other creditable grains. To meet the preschool WGR criteria, the manufacturer's PFS must document that the **combined** weight of all whole grains is the greatest ingredient by weight in the breakfast cereal. For information on PFS forms, see the CSDE's handouts, *Product Formulation Statements* and *Accepting Processed Product Documentation*, and the USDA's handouts, *Product Formulation Statement for Grains: Servings* (through September 30, 2021), *Sample Completed Product Formulation Statement for Grains: Servings* (through September 30, 2021), *Product Formulation Statement for Grains:* Ounce Equivalents (effective October 1, 2021), *Sample Completed Product Formulation Statement for Grains:* Ounce Equivalents (effective October 1, 2021), and *Tips for Evaluating a Manufacturer's Product Formulation Statement.* 

#### Noncreditable grains

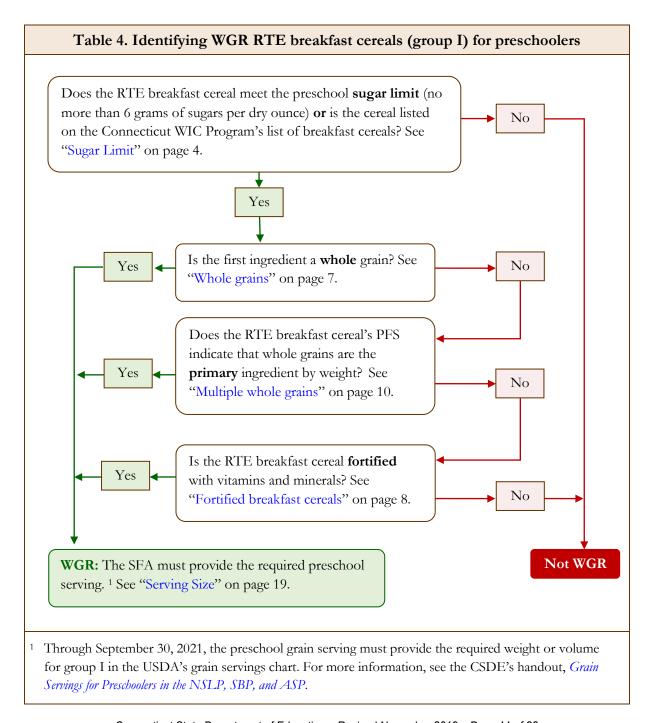
Grain ingredients that are not whole, enriched, bran, or germ do not credit as the grains component in the preschool meal patterns. The preschool WGR criteria for cooked and RTE breakfast cereals have different requirements for noncreditable grains.

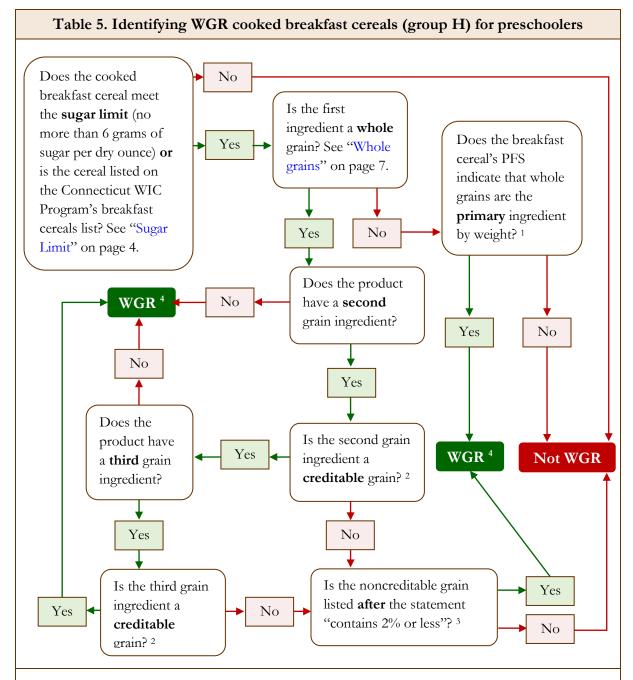
• Cooked breakfast cereals (group H): SFAs must include noncreditable grains when determining if the first three grain ingredients in a cooked breakfast cereal meet the preschool "rule of three" WGR criteria. Examples of noncreditable grains for the preschool meal patterns include legume flours, corn flour, corn grits, farina, malted barley flour, milled corn, nut or seed flours, oat fiber, potato flour, potato starch, rice, soy fiber, soy flakes, wheat flour, and yellow corn flour. Noncreditable grains listed after the statement "contains 2% or less" are insignificant, and are not considered for the "rule of three." For example, if the ingredients list states "contains less than 2% of wheat flour and corn flour," SFAs can ignore the wheat flour and corn flour (noncreditable grains) when reviewing the cereal's ingredients. SFAs can also ignore noncreditable grains in the sublisting for a nongrain ingredient.

SFAs can also ignore grain derivatives when determining if cooked breakfast cereals meet the preschool WGR criteria. Examples of grain derivatives for the preschool meal patterns include corn dextrin, corn starch, cultured wheat starch, malt powder, maltodextrin, modified food starch, modified corn starch, modified rice starch, potato starch, tapioca starch, vital wheat gluten, wheat dextrin, wheat gluten, and wheat starch. For additional examples and more information on noncreditable grains and grain derivatives, see the

CSDE's handout, Whole Grain-rich Criteria for Preschoolers in the NSLP, SBP, and ASP.

• RTE breakfast cereals (group I): SFAs can ignore noncreditable grains in the ingredients statement if a whole grain is the first ingredient and the RTE breakfast cereal is fortified. SFAs can also ignore grain derivatives when determining if RTE breakfast cereals meet the preschool WGR criteria.





- <sup>1</sup> The SFA must obtain a PFS from the manufacturer. For more information, see the CSDE's handout, *Product Formulation Statements*.
- <sup>2</sup> Creditable grains for the preschool meal patterns are whole grains, enriched grains, bran, and germ. **Note:** Bran and germ do not credit in the NSLP and SBP meal patterns for grades K-12.
- Ignore noncreditable grains listed after "contains 2% or less" or in the sublisting for a nongrain ingredient (see "Noncreditable grains" on page 10).
- <sup>4</sup> The SFA must provide the required preschool serving. Through September 30, 2021, the preschool serving must provide the required weight or volume for group H in the USDA's grain servings chart. For more information, see the CSDE's handouts, *Grain Servings for Preschoolers in the NSLP, SBP, and ASP*.

### **Determining if Commercial Breakfast Cereals are WGR**

The examples on pages 14-18 show how to evaluate commercial RTE and cooked breakfast cereals for compliance with the USDA's preschool WGR criteria for breakfast cereals. The following guidance applies to the ingredients for these products.

- Creditable grains (whole, enriched, bran, and germ) in the product's ingredients statement
  are listed in **bold** text and whole grains are in bold **UPPERCASE** text. For examples of
  whole and enriched grains, see the CSDE's handouts, *Crediting Whole Grains in the NSLP and SBP* and *Crediting Enriched Grains in the NSLP and SBP*.
- Noncreditable grains (such as wheat flour and yellow corn flour) are listed in listed in bold
  italicized text.
  - o For **cooked breakfast cereals**, SFAs must include noncreditable grains when reviewing a product's ingredients statement for compliance with the preschool "rule of three" WGR criteria, unless the noncreditable grains are listed after the statement "contains 2% or less" or in the sublisting for a nongrain ingredient. For more information on noncreditable grains, see "Noncreditable grains" on page 10.
  - For fortified RTE breakfast cereals that contain a whole grain as the first ingredient,
     SFAs can ignore any noncreditable grains in the product's ingredients statement.

#### Crediting worksheets for breakfast cereals

The CSDE's CACFP crediting worksheets for breakfast cereals help CACFP facilities evaluate products for compliance with the CACFP crediting, WGR, and serving requirements; and the CACFP sugar limit. Since the preschool and CACFP meal pattern requirements are the same, SFAs may use the CSDE's Excel worksheets, *Child Care Worksheet 2: Crediting Ready-to-eat (RTE) Breakfast Cereals in the CACFP* and *Child Care Worksheet 3: Crediting Cooked Breakfast Cereals in the CACFP*, to determine if breakfast cereals comply with the preschool meal patterns. These worksheets are available in the "Documents/Forms" section of the CSDE's Crediting Foods in CACFP Child Care Programs webpage.



#### Product 1: Spiced instant oatmeal (commercial cooked breakfast cereal)

Ingredients: WHOLE-GRAIN ROLLED OATS, sugar, salt, cinnamon and other spices, calcium carbonate, guar gum, caramel color, niacinamide, reduced iron, vitamin A palmitate, pyridoxine hydrochloride, riboflavin, thiamin mononitrate, folic acid.

Part 1: Grain ingredients 1,2					
Α.	First ingredient: Whole-grain rolled oats				
В.	Second grain ingredient: None				
C.	Third grain ingredient: None				
D.	<b>Fortification nutrients:</b> Calcium carbonate, niacinamide, reduced iron, pyridoxine hydrochloride, riboflavin, thiamin mononitrate, folic acid.	vitamin	A palmitate,		
Part	2: Preschool crediting criteria for group H (cooked breakfast cereals	s)			
Cred	litable: The first ingredient must be a creditable grain or the cereal must be fortified.				
1.	Is the first ingredient a creditable grain <sup>1</sup> (see Part 1A above)?	<b>☑</b> Yes	□No		
2.	Is the cereal fortified (see Part 1D above)?	<b>☑</b> Yes	□No		
3.	Is the answer "Yes" for <i>either</i> question 1 <b>or</b> 2 <b>OR</b> is the answer "Yes" for    ✓ Yes: Cereal is creditable if it meets the preschool sugar limit <sup>3,4</sup> ✓ No: Does the cereal contain more than one creditable grain?  ✓ Yes: Need PFS <sup>5</sup> ✓ No: Cereal is not creditable	•			
Part .	3: Preschool "rule of three" WGR criteria for group H (cooked break	kfast ce	reals)		
WGF	<b>R:</b> The first ingredient must be a whole grain <b>and</b> the next two grain ingredients (if an	y) must be	e creditable.		
1.	Is the first ingredient a whole grain (see Part 1A above)?  ☑ Yes ☐ No				
2.	Is the second grain ingredient (if any) a creditable grain ¹ (see Part 1B ab  ☐ Yes ☐ No ☑ Not applicable (no second grain ingredient)	-	an be ignored) <sup>2</sup>		
3.	8 8 ( )/ 8 (	,			
	☐ Yes ☐ No ☑ Not applicable (no third grain ingredien				
4.	Is the answer "Yes" for question 1 <b>AND</b> either "Yes" or "Not applicable   ✓ Yes: Cereal is WGR if it meets the preschool sugar limit <sup>3,4</sup>	le" for q	uestions 2 and 3?		
	☐ No: Does the cereal contain more than one whole grain?				
☐ Yes: Need PFS <sup>5</sup> ☐ No: Cereal is not WGR					
<ul> <li>Creditable grains for the preschool meal patterns are whole grains, enriched grains, bran, and germ.</li> <li>Ignore noncreditable grains in cooked breakfast cereals listed after the statement "contains 2% or less, and ignore grain derivatives (such as wheat gluten and modified food starch) (see "Noncreditable grains" on page 10).</li> <li>Breakfast cereals cannot contain more than 6 grams of sugars per dry ounce (see "Sugar Limit" on page 3).</li> <li>The SFA must provide the required preschool serving (see "Serving Size" on page 19).</li> <li>To credit as the grains component, the PFS must document that the combined weight of all creditable grains is the greatest ingredient by weight (see "Multiple creditable grains" on page 9). To be WGR, the PFS must document that the combined weight of all whole grains is the greatest ingredient by weight (see "Multiple whole grains" on page 10).</li> </ul>					

#### Product 2: Farina hot cereal (commercial cooked breakfast cereal)

Ingredients: *Wheat farina*, calcium carbonate, ferric orthophosphate (source of iron), niacinamide (vitamin B3), pyridoxine hydrochloride (vitamin B6), folic acid, thiamin mononitrate (vitamin B1) riboflavin (vitamin B2).

Part	Part 1: grain ingredients 1,2				
Α.	First ingredient: Wheat farina (noncreditable grain)				
В.	Second grain ingredient: None				
C.	Third grain ingredient: None				
D.	Fortification nutrients: Calcium carbonate, ferric orthophosphate (source of iron), niacinamide (vitamin B3), pyridoxine hydrochloride (vitamin B6), folic acid, thiamin mononitrate (vitamin B1) riboflavin (vitamin B2)				
Part	2: Preschool crediting criteria for group H (cooked breakfast cereals)				
Cred	itable: The first ingredient must be a creditable grain <b>or</b> the cereal must be fortified.				
1.	Is the first ingredient a creditable grain ¹ (see Part 1A above)? ☐ Yes ☑ No				
2.	Is the cereal fortified (see Part 1D above)?  ☑ Yes □ No				
3.	Is the answer "Yes" for <i>either</i> question 1 <b>or</b> 2 <b>OR</b> is the answer "Yes" for <i>both</i> questions 1 <b>and</b> 2?  ☑ Yes: Cereal is creditable if it meets the preschool sugar limit <sup>3, 4</sup> ☐ No: Does the cereal contain more than one creditable grain?  ☐ Yes: Need PFS <sup>5</sup> ☐ No: Cereal is not creditable				
Part	3: Preschool "rule of three" WGR criteria for group H (cooked breakfast cereals)				
WGF	R: The first ingredient must be a whole grain and the next two grain ingredients (if any) must be creditable.				
1.	Is the first ingredient a whole grain (see Part 1A above)?  ☐ Yes ☑ No				
2.	2. Is the second grain ingredient (if any) a creditable grain ¹ (see Part 1B above)?  ☐ Yes ☐ No ☑ Not applicable (no second grain ingredient or can be ignored) ²				
3.	Is the third grain ingredient (if any) a creditable grain ¹ (see Part 1C above)?  ☐ Yes ☐ No ☑ Not applicable (no third grain ingredient or can be ignored) ²				
<ul> <li>4. Is the answer "Yes" for question 1 AND either "Yes" or "Not applicable" for questions 2 and 3?</li> <li>□ Yes: Cereal is WGR if it meets the preschool sugar limit <sup>3,4</sup></li> <li>□ No: Does the cereal contain more than one whole grain?</li> <li>□ Yes: Need PFS <sup>5</sup></li> <li>☑ No: Cereal is not WGR</li> </ul>					
<ul> <li>2 Ign</li> <li>der</li> <li>3 Bre</li> <li>4 The</li> <li>5 To</li> </ul>	editable grains for the preschool meal patterns are whole grains, enriched grains, bran, and germ.  sore noncreditable grains in cooked breakfast cereals listed after the statement "contains 2% or less, and ignore grain  ivatives (such as wheat gluten and modified food starch) (see "Noncreditable grains" on page 10).  eakfast cereals cannot contain more than 6 grams of sugars per dry ounce (see "Sugar Limit" on page 3).  e SFA must provide the required preschool serving (see "Serving Size" on page 19).  credit as the grains component, the PFS must document that the combined weight of all creditable grains is the greatest redient by weight (see "Multiple creditable grains" on page 9). To be WGR, the PFS must document that the combined				

weight of all whole grains is the greatest ingredient by weight (see "Multiple whole grains" on page 10).

#### Product 3: Whole-grain oat cereal (commercial RTE breakfast cereal)

Ingredients: WHOLE-GRAIN OAT FLOUR, sugar, *corn flour*, WHOLE-WHEAT FLOUR, *rice flour*, salt, calcium carbonate, disodium phosphate, reduced iron, niacinamide, zinc oxide, BHT (a preservative), yellow 5, yellow 6, thiamin mononitrate, pyridoxine hydrochloride, riboflavin, folic acid.

Part 1: Grain ingredients 1,2				
<ul> <li>A. First ingredient: Whole-grain oat flour</li> <li>B. Fortification nutrients: Calcium carbonate, reduced iron, niacinamide, zinc oxide, thiamin mononitrate, pyridoxine hydrochloride, riboflavin, folic acid</li> </ul>				
Part 2: Preschool crediting criteria for group I (RTE breakfast ceres	als)			
<b>Creditable:</b> The first ingredient must be a creditable grain <b>or</b> the cereal must be for	tified.			
<ol> <li>Is the first ingredient a creditable grain <sup>1</sup> (see Part 1A above)?</li> <li>Is the cereal fortified (see Part 1B above)?</li> </ol>	✓ Yes ✓ Yes	□ No □ No		
3. Is the answer "Yes" for <i>either</i> question 1 <b>or</b> 2 <b>OR</b> is the answer "Yes" for <i>both</i> questions 1 <b>and</b> 2?  ☑ Yes: Cereal is creditable if it meets the preschool sugar limit <sup>3, 4</sup> ☐ No: Does the cereal contain more than one creditable grain?  ☐ Yes: Need PFS <sup>5</sup> ☐ No: Cereal is not creditable				
Part 3: Preschool WGR criteria for group I (RTE breakfast cereals)				
<b>WGR:</b> The first ingredient must be a whole grain <b>and</b> the cereal must be fortified.				
1. Is the first ingredient a whole grain (see Part 1A above)?	<b>☑</b> Yes	□No		
2. Is the cereal fortified (see Part 1B above)?	☑ Yes	□ No		
3. Is the answer "Yes" for questions 1 and 2?  ☑ Yes: Cereal is WGR if it meets the preschool sugar limit <sup>3,4</sup> □ No: Does the cereal contain more than one whole grain? □ Yes: Need PFS <sup>5</sup> □ No: Cereal is not WGR				
<ul> <li>Creditable grains for the preschool meal patterns are whole grains, enriched grains, bran, and germ.</li> <li>Ignore noncreditable grains in cooked breakfast cereals listed after the statement "contains 2% or less, and ignore grain derivatives (such as wheat gluten and modified food starch) (see "Noncreditable grains" on page 10).</li> <li>Breakfast cereals cannot contain more than 6 grams of sugars per dry ounce (see "Sugar Limit" on page 3).</li> <li>The SFA must provide the required preschool serving (see "Serving Size" on page 19).</li> <li>To credit as the grains component, the PFS must document that the combined weight of all creditable grains is the greatest ingredient by weight (see "Multiple creditable grains" on page 9). To be WGR, the PFS must document that the combined weight of all whole grains is the greatest ingredient by weight (see "Multiple whole grains" on page 10).</li> </ul>				

#### Product 4: Crispy rice cereal (commercial RTE breakfast cereal)

Ingredients: *Rice*, sugar, contains 2% or less of salt, malt flavor. BHT added to packaging for freshness. Vitamins and Minerals: Iron, vitamin C (ascorbic acid), vitamin E (alpha tocopherol acetate), niacinamide, vitamin A palmitate, vitamin B6 (pyridoxine hydrochloride), vitamin B2 (riboflavin), vitamin B1 (thiamin hydrochloride), folic acid, vitamin B12, vitamin D

Part 1: Grain ingredients 1,2							
A. First ingredient: Rice (noncreditable grain)  B. Fortification nutrients: Iron, vitamin C (ascorbic acid), vitamin E (alpha tocopherol acetate), niacinamide, vitamin A palmitate, vitamin B6 (pyridoxine hydrochloride), vitamin B2 (riboflavin), vitamin B1 (thiamin hydrochloride), folic acid, vitamin B12, vitamin D							
Part 2: Preschool crediting criteria for group I (RTE breakfast cere	als)						
Creditable: The first ingredient must be a creditable grain or the cereal must be for	rtified.						
1. Is the first ingredient a creditable grain <sup>1</sup> (see Part 1A above)?	☐ Yes	☑ No					
2. Is the cereal fortified (see Part 1B above)?	<b>☑</b> Yes	□ No					
1	3. Is the answer "Yes" for <i>either</i> question 1 <b>or</b> 2 <b>OR</b> is the answer "Yes" for <i>both</i> questions 1 <b>and</b> 2?  ☑ Yes: Cereal is creditable if it meets the preschool sugar limit <sup>3, 4</sup> ☐ No: Does the cereal contain more than one creditable grain?  ☐ Yes: Need PFS <sup>5</sup> ☐ No: Cereal is not creditable						
Part 3: Preschool WGR criteria for group I (RTE breakfast cereals)							
<b>WGR:</b> The first ingredient must be a whole grain <b>and</b> the cereal must be fortified.							
1. Is the first ingredient a whole grain (see Part 1A above)?	☐ Yes	☑ No					
2. Is the cereal fortified (see Part 1B above)?	<b>☑</b> Yes	□ No					
3. Is the answer "Yes" for questions 1 and 2?  ☐ Yes: Cereal is WGR if it meets the preschool sugar limit <sup>3, 4</sup> ☐ No: Does the cereal contain more than one whole grain?  ☐ Yes: Need PFS <sup>5</sup> ☐ No: Cereal is not WGR							
<ul> <li>Creditable grains for the preschool meal patterns are whole grains, enriched grains, br</li> <li>Ignore noncreditable grains in cooked breakfast cereals listed after the statement "congrains" on page 10). Ignore grain derivatives (such as wheat gluten and modified food</li> <li>Breakfast cereals cannot contain more than 6 grams of sugars per dry ounce (see "Sugar The SFA must provide the required preschool serving (see "Serving Size" on page 19)</li> <li>To credit as the grains component, the PFS must document that the combined weight ingredient by weight (see "Multiple creditable grains" on page 9). To be WGR, the PF weight of all whole grains is the greatest ingredient by weight (see "Multiple whole grains")</li> </ul>	ntains 2% or led starch) in coordinate the starch in coordinate the starch in coordinate the starch in the starch	oked breakfast cereals.  Doage 3).  Doage 3).  Dole grains is the greatest ment that the combined					

#### Product 5: Crunchy wheat cereal (commercial RTE breakfast cereal)

Ingredients: WHOLE-GRAIN WHEAT, sugar, *rice flour*, *oat fiber*, sunflower oil, dextrose, molasses, baking soda, sea salt.

Part	1: Grain Ingredients 1,2				
	First ingredient: Whole-grain wheat Fortification nutrients: None				
Part	3: Preschool WGR criteria for group I (RTE breakfast cereals)				
Cred	litable: The first ingredient must be a creditable grain or the cereal must be fortified.				
1.	Is the first ingredient a creditable grain 1 (see Part 1A above)?	<b>☑</b> Yes	□ No		
2.	Is the cereal fortified (see Part 1B above)?	☐ Yes	☑ No		
3.	Is the answer "Yes" for <i>either</i> question 1 <b>or</b> 2 <b>OR</b> is the answer "Yes" for   ☑ Yes: Cereal is creditable if it meets the preschool sugar limit <sup>3, 4</sup> ☐ No: Does the cereal contain more than one creditable grain?  ☐ Yes: Need PFS <sup>5</sup> ☐ No: Cereal is not creditable	r <i>both</i> ques	tions 1 <b>and</b> 2?		
Part	3: Preschool WGR criteria for group I (RTE breakfast cereals)				
WGI	R: The first ingredient must be a whole grain and the cereal must be fortified.				
1.	Is the first ingredient a whole grain (see Part 1A above)?	<b>☑</b> Yes	□ No		
2.	Is the cereal fortified (see Part 1B above)?	☐ Yes	☑ No		
3.	Is the answer "Yes" for questions 1 and 2?  ☐ Yes: Cereal is WGR if it meets the preschool sugar limit <sup>3, 4</sup> ☑ No: Does the cereal contain more than one whole grain?  ☐ Yes: Need PFS <sup>5</sup> ☑ No: Cereal is not WGR				
<ul> <li>Creditable grains for the preschool meal patterns are whole grains, enriched grains, bran, and germ.</li> <li>Ignore noncreditable grains in cooked breakfast cereals listed after the statement "contains 2% or less" (see "Noncreditable grains" on page 10). Ignore grain derivatives (such as wheat gluten and modified food starch) in cooked breakfast cereals.</li> <li>Breakfast cereals cannot contain more than 6 grams of sugars per dry ounce (see "Sugar Limit" on page 3).</li> <li>The SFA must provide the required preschool serving (see "Serving Size" on page 19).</li> <li>To credit as the grains component, the PFS must document that the combined weight of all creditable grains is the greatest ingredient by weight (see "Multiple creditable grains" on page 9). To be WGR, the PFS must document that the combined weight of all whole grains is the greatest ingredient by weight (see "Multiple whole grains" on page 10).</li> </ul>					

### **Serving Size**

The minimum preschool serving for the grains component is ½ serving through September 30, 2021, and ½ ounce equivalent effective October 1, 2021. Table 7 shows the required preschool amounts for RTE and cooked breakfast cereals. Breakfast cereals must provide the required weight or volume, whichever is less.

Table 7. Serving size for breakfast cereals in the preschool meal patterns						
Type of breakfast cereal		Through September 30, 2021  1/2 serving 1		Effective October 1, 2021  1/2 ounce equivalent 2		
		Ages 1-2	Ages 3-4	Ages 1-2	Ages 3-4	
Group H	Cooked hot	1/4 cup cooked or 13 grams (1/2 ounce) dry	1/4 cup cooked or 13 grams (1/2 ounce) dry	1/4 cup cooked or 14 grams (1/2 ounce) dry	1/4 cup cooked or 14 grams (1/2 ounce) dry	
Group I	RTE flakes or rounds	½ cup or 3 ounce	<b>1⁄3</b> cup or <sup>1</sup> ∕2 ounce <sup>3</sup>	¹⁄₂ cup	¹⁄₂ cup	
	RTE puffed	¹/₄ cup or ¹/₃ ounce ³	<b>1</b> / <sub>3</sub> cup or <sup>1</sup> / <sub>2</sub> ounce <sup>3</sup>	³/4 cup	³/4 cup	
	RTE granola	¹/₄ cup or ¹/₃ ounce ³	<b>1/3</b> cup or 1/2 ounce <sup>3</sup>	¹∕8 cup	½ cup	

<sup>&</sup>lt;sup>1</sup> Through September 30, 2021, the required amount for the grains component is in servings. The preschool amount must provide the required weight or volume for groups H-I in *Grain Servings for Preschoolers in the NSLP, SBP, and ASP*.

#### Resources

Accepting Processed Product Documentation in the NSLP and SBP (CSDE): https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Crediting/AcceptDoc.pdf

Adding Whole Grains to Your CACFP Menu (USDA):

 $https://www.fns.usda.gov/sites/default/files/tn/FNS\_USDA\_CACFP\_11\_AddingWholeGrains\_04-508c.pdf$ 

<sup>&</sup>lt;sup>2</sup> Effective October 1, 2021, the required amount for the grains component is in ounce equivalents. The preschool amount must provide the required weight or volume for groups H-I in the *Grain Ounce Equivalents for Preschoolers in the NSLP, SBP, and ASP*.

<sup>&</sup>lt;sup>3</sup> The serving size is based on weight or volume, whichever is less.

```
Approved Food Guide for Connecticut WIC (Connecticut Department of Public Health):
   https://portal.ct.gov/DPH/WIC/Approved-Food-Guide
CACFP Best Practices (USDA):
   https://fns-prod.azureedge.net/sites/default/files/cacfp/CACFP_bestpractices.pdf
CACFP Halftime: Thirty on Thursdays Training Webinars (USDA website).
   https://www.fns.usda.gov/tn/halftime-cacfp-thirty-thursdays-training-webinar-series
CACFP Training Tools (USDA):
   https://www.fns.usda.gov/cacfp-training-tools
Calculating Sugar Limits for Breakfast Cereals in the CACFP (USDA):
   https://fns-prod.azureedge.net/sites/default/files/tn/CACFPCalcCereal.pdf
Calculation Methods for Grain Servings for Preschoolers in the NSLP, SBP, and ASP (CSDE):
   https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Crediting/GrainCalcPreschool.pdf
Child Care Worksheet 2: Crediting Ready-to-eat Breakfast Cereals in the CACFP (CSDE):
   https://portal.ct.gov/-/media/SDE/Nutrition/CACFP/Crediting/CACFPCredit2.xlsx
Child Care Worksheet 3: Crediting Cooked Breakfast Cereals in the CACFP (CSDE):
   https://portal.ct.gov/-/media/SDE/Nutrition/CACFP/Crediting/CACFPCredit3.xlsx
Choose Breakfast Cereals that are Lower in Added Sugar (English) (USDA):
   https://fns-prod.azureedge.net/sites/default/files/tn/FNSCACFPCereal12.pdf
Choose Breakfast Cereals that are Lower in Added Sugar (Spanish) (USDA):
   https://fns-prod.azureedge.net/sites/default/files/tn/cacfp-cereal-sp.pdf
Choose Breakfast Cereals that are Lower in Added Sugars Webinar (English) (USDA):
   https://www.fns.usda.gov/cacfp-halftime-thirty-thursdays-%E2%80%9Cchoose-breakfast-
   cereals-are-lower-added-sugars%E2%80%9D
Choose Breakfast Cereals that are Lower in Added Sugars Webinar (Spanish) (USDA):
   https://www.fns.usda.gov/cacfp-halftime-thirty-thursdays-choose-breakfast-cereals-are-
   lower-added-sugars-spanish
Comparison of Meal Pattern Requirements for the Grains Component in the School Nutrition
   Programs (CSDE):
   https://portal.ct.gov/-
   /media/SDE/Nutrition/NSLP/Crediting/ComparisonGrainCrediting.pdf
Crediting Whole Grains in the NSLP and SBP (CSDE):
   https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Crediting/CreditWholeGrains.pdf
Grain Ounce Equivalents for Preschoolers in the NSLP, SBP, and ASP (effective October 1, 2021)
   (CSDE):
   https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Preschool/Preschoolozeq.pdf
Grain Servings for Preschoolers in the NSLP, SBP, and ASP (through September 30, 2021) (CSDE):
```

https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Preschool/PreschoolGrains.pdf

How to Identify Creditable Grains for Preschoolers in the NSLP, SBP, and ASP (CSDE): https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Crediting/IdentifyCreditableGrainsPreschool.pdf Meal Patterns for Preschoolers in School Nutrition Programs (CSDE webpage) https://portal.ct.gov/SDE/Nutrition/Meal-Patterns-Preschoolers-in-School-Nutrition-Programs/Documents Menu Planning Guide for Preschoolers in the NSLP, SBP, and ASP (CSDE): https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Preschool/MPGpreschool.pdf Product Formulation Statement for Grains: Ounce Equivalents (effective October 1, 2021) (USDA): https://fns-prod.azureedge.net/sites/default/files/resourcefiles/PFS\_Documenting\_Grains\_oz\_eq.pdf Product Formulation Statement for Grains: Servings (through September 30, 2021) (USDA): https://fns-prod.azureedge.net/sites/default/files/resourcefiles/PFS\_Documenting\_Grains\_Breads\_Servings.pdf Sample Completed Product Formulation Statement for Grains: Ounce Equivalents (effective October 1, 2021) (USDA): https://fns-prod.azureedge.net/sites/default/files/resource-files/PFS\_Sample\_oz\_eq.pdf Sample Completed Product Formulation Statement for Grains: Servings (through September 30, 2021) (USDA): http://https//fns-prod.azureedge.net/sites/default/files/resourcefiles/PFS\_Samples\_Grains\_Breads\_Servings.pdf USDA Final Rule (81 FR 24348): Child and Adult Care Food Program: Meal Pattern Revisions Related to the Healthy, Hunger-Free Kids Act of 2010: https://www.fns.usda.gov/cacfp/fr-042516 USDA Final Rule Corrections (81 FR 75671): Child and Adult Care Food Program: Meal Pattern Revisions Related to the Healthy, Hunger-Free Kids Act of 2010: https://www.federalregister.gov/documents/2016/11/01/2016-26339/child-and-adult-carefood-program-meal-pattern-revisions-related-to-the-healthy-hunger-free-kids-act USDA Final Rule (84 FR 50287): Delayed Implementation of Grains Ounce Equivalents in the Child and Adult Care Food Program: https://www.federalregister.gov/documents/2019/09/25/2019-20808/delayedimplementation-of-grains-ounce-equivalents-in-the-child-and-adult-care-food-program USDA Memo CACFP 09-2018: Grain Requirements in the Child and Adult Care Food Program; Questions and Answers: https://www.fns.usda.gov/cacfp/grain-requirements-cacfp-questions-and-answers Whole Grain-rich Criteria for Preschoolers in the NSLP and SBP (CSDE): https://portal.ct.gov/-

/media/SDE/Nutrition/NSLP/Crediting/WGRCriteriapreschool.pdf



For more information, review the CSDE's guide, *Menu Planning Guide for Preschoolers in the NSLP, SBP, and ASP*, and visit the CSDE's Meal Patterns for Preschoolers in School Nutrition Programs webpages, or contact the school nutrition programs staff in the CSDE's Bureau of Health/Nutrition, Family Services and Adult Education, 450 Columbus Boulevard, Suite 504, Hartford, CT 06103-1841.

This document is available at https://portal.ct.gov/-/media/SDE/Nutrition/NSLP/Crediting/CreditCerealsPreschool.pdf.

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, sex, disability, age, or reprisal or retaliation for prior civil rights activity in any program or activity conducted or funded by USDA.

Persons with disabilities who require alternative means of communication for program information (e.g. Braille, large print, audiotape, American Sign Language, etc.), should contact the Agency (State or local) where they applied for benefits. Individuals who are deaf, hard of hearing or have speech disabilities may contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, (AD-3027) found online at: How to File a Complaint, and at any USDA office, or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by:

- mail: U.S. Department of Agriculture Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW Washington, D.C. 20250-9410;
- (2) fax: (202) 690-7442; or
- (3) email: program.intake@usda.gov.

This institution is an equal opportunity provider.

The Connecticut State Department of Education is committed to a policy of equal opportunity/affirmative action for all qualified persons. The Connecticut Department of Education does not discriminate in any employment practice, education program, or educational activity on the basis of age, ancestry, color, criminal record (in state employment and licensing), gender identity or expression, genetic information, intellectual disability, learning disability, marital status, mental disability (past or present), national origin, physical disability (including blindness), race, religious creed, retaliation for previously opposed discrimination or coercion, sex (pregnancy or sexual harassment), sexual orientation, veteran status or workplace hazards to reproductive systems, unless there is a bona fide occupational qualification excluding persons in any of the aforementioned protected classes.

Inquiries regarding the Connecticut State Department of Education's nondiscrimination policies should be directed to: Levy Gillespie, Equal Employment Opportunity Director/Americans with Disabilities Coordinator (ADA), Connecticut State Department of Education, 450 Columbus Boulevard, Suite 607, Hartford, CT 06103, 860-807-2071, levy.gillespie@ct.gov.