

**COMPANIES PRODUCING FORMULATED GRAIN-FRUIT PRODUCTS THAT
MEET FNS SPECIFICATIONS FOR FORMULATED GRAIN-FRUIT PRODUCTS
(7 CFR PART 220 APPENDIX A)**

Revised November 19, 1999

**Bake Crafters Associated Bakeries
21927 Martin Circle
Hagerstown, MD 21742**

**Apple Spice Muffin
(2.5 oz. Net Wt.)**

Labels bearing the above product name will have the following ingredient statement:

Enriched flour, sugar, apples, soy oil, whole eggs, water, non fat dry milk, isolated soy protein, baking powder, baking soda, salt, spices, dicalcium phosphate, magnesium oxide, coated ascorbic acid, vitamin E acetate, vitamin A palmitate, reduced iron, niacinamide, pyridoxine hydrochloride, thiamine mononitrate, riboflavin, cyanocobalamin 1 percent with DCP, folic acid.

**DCA Bakery Division
DCA Food Industries, Inc.
8106 Stayton Drive
Jessup Maryland 20794-9976**

**Dynamic Donuts
(2.5 oz. net wt.)**

**Capt'n Gregory's Donuts
(2.5 oz. net wt.)**

Labels bearing either of the above product names will have the following ingredient statement:

Enriched bleached flour, water, vegetable shortening, sugar, crystalline fructose, milk protein, soy flour, leavening (baking soda, sodium acid pyrophosphate, monocalcium phosphate), egg whites, salt, sodium stearoyl lactylate, vitamin and mineral enrichment (calcium [calcium sulfate and dicalcium phosphate], phosphorus [dicalcium phosphate and magnesium phosphate], magnesium [magnesium phosphate], iron [ferrous sulfate], niacinamide, vitamin B12, vitamin B6, vitamin B1, vitamin B2, folic acid, vitamin E acetate, vitamin A palmitate, natural flavors.

**Kerry-DCA
Bakery Division
101 East Bacon Street
Hillsdale, Michigan 49242**

**Capt'n Gregory's
Fortified Honey Bun
(2.5 oz. net wt.)**

Labels bearing the above product name will have the following ingredient statement:

Enriched wheat flour (contains wheat flour, niacin, ferrous sulfate, riboflavin (vitamin B2), thiamin mononitrate, (vitamin B1), folic acid), partially hydrogenated vegetable shortening (soybean and/or cottonseed oils), sugar, water, yeast, contains 2% or less of the following ingredients: honey, salt, whey, soy flour, leavening (baking soda, sodium acid pyrophosphate, monocalcium phosphate), calcium carbonate, mono and diglycerides, agar, soya lecithin, sorbitan monostearate, dextrose, nonfat milk, vital wheat gluten, dough conditioners (calcium sulfate, corn starch, ammonium sulfate, ascorbic acid, azodicarbonamide), yellow corn flour, sodium stearyl lactylate, artificial flavors, colored with annatto and turmeric extracts and artificial color, lactalbumin, magnesium phosphate, dicalcium phosphate, calcium sulfate, vitamin E, vitamin A, vitamin B6, vitamin B12, ascorbic acid, enzymes.

**Morning Harvest Baking Company
350 Whitfield Road
Brandon, Mississippi 39042**

**Morning Harvest
Banana-Coconut Muffin
(2 oz. net wt.)**

Labels bearing the above product name will have the following ingredient statement:

Grain (rolled oats, wheat flour, soy flour), fruit (coconut, banana solids), brown sugar, vegetable shortening, peanuts, corn syrup solids, whey protein concentrate, soy protein isolates, molasses, salt, lecithin, natural flavors, L-lysine monohydrochloride, vitamin and mineral enrichment (calcium phosphate, ascorbic acid, vitamin E acetate, vitamin A palmitate, iron (electrolytically reduced), cyanocobalamin, pyridoxine hydrochloride, thiamine mononitrate, folic acid).

**Morning Harvest Baking Company
350 Whitfield Road
Brandon, Mississippi 39042**

**Morning Harvest
Oatmeal-Raisin Muffin
(2 oz. net wt.)**

Labels bearing the above product name will have the following ingredient statement:

Grain (rolled oats, wheat flour, soy flour), fruit (raisins, pear solids), brown sugar, vegetable shortening, peanuts, corn syrup solids, whey protein concentrate, soy protein isolates, molasses, salt, lecithin, natural flavors, L-lysine monohydrochloride, vitamin and mineral enrichment [calcium phosphate, ascorbic acid, vitamin E acetate, vitamin A palmitate, iron (electrolytically reduced), cyanocobalamin, pyridoxine hydrochloride, thiamine mononitrate, folic acid].

Morning Harvest Baking Company
350 Whitfield Road
Brandon, Mississippi 39042

Morning Harvest
Oatmeal-Raisin Carob
Chip Muffin
(2.25 oz. net wt.)

Labels bearing the above product name will have the following ingredient statement:

Grain (rolled oats, wheat flour, soy flour), Fruit (raisins, pear solids), brown sugar, vegetable shortening, peanuts, corn syrup solids, whey protein concentrate, carob chip, soy protein isolates, molasses, salt, lecithin, natural flavors, L-lysine monohydrochloride, vitamin and mineral enrichment [calcium phosphate, ascorbic acid, vitamin E acetate, vitamin A palmitate, iron (electrolytically reduced), cyanocobalamin, pyridoxine hydrochloride, thiamine mononitrate, folic acid].

Morning Harvest Baking Company
350 Whitfield Road
Brandon, Mississippi 39042

Morning Harvest
Banana-Coconut Carob
Chip Muffin
(2.25 oz. net wt.)

Labels bearing the above product name will have the following ingredient statement:

Grain (rolled oats, wheat flour, soy flour), Fruit (coconut, banana solids), brown sugar, vegetable shortening, peanuts, corn syrup solids, whey protein concentrate, carob chip, soy protein isolates, molasses, salt, lecithin, natural flavors, L-lysine monohydrochloride, vitamin and mineral enrichment [calcium phosphate, ascorbic acid, vitamin E acetate, vitamin A palmitate, iron (electrolytically reduced), cyanocobalamin, pyridoxine hydrochloride, thiamine mononitrate, folic acid].

Morning Harvest Baking Company
350 Whitfield Road
Brandon, Mississippi 39042

Morning Harvest
Blueberry Muffin
(2 oz. net wt.)

Labels bearing the above product name will have the following ingredient statement:

Grain (rolled oats, wheat flour, soy flour), Fruit (blueberries, figs, pear solids), brown sugar, vegetable shortening, peanuts, corn syrup solids, whey protein concentrate, soy protein isolates, molasses, salt, lecithin, apple fiber powder, modified food starch, dextrose, apple juice concentrate, sorbitol, natural and artificial flavors, artificial colors, citric acid, L-lysine monohydrochloride, vitamin and mineral enrichment [calcium phosphate, ascorbic acid, vitamin E acetate, vitamin A palmitate, iron (electrolytically reduced), cyanocobalamin, pyridoxine hydrochloride, thiamine mononitrate, folic acid].

Super Bakery, Inc.
3698 S. 600 West
New Palestine, IN 46163

Super Bun
(2.5 oz net wt.)

Labels bearing the above product name will have the following ingredient statement:

Enriched flour, vegetable shortening, cane sugar, water, dextrose, yeast, leavening, milk protein, nonfat dry milk solids, salt, dried egg yolks, calcium carbonate, magnesium phosphate, ferrous sulphate, lecithin, corn starch, dough conditioner, ascorbic acid, vitamin A palmitate, alpha tocopherol acetate, niacinamide, pyridoxine hydrochloride, thiamine mononitrate, riboflavin, vitamin B12, folic acid, natural and imitation flavor and color, vegetable gums, sodium propionate (a preservative).

Super Bakery Inc.
3698 S. 600 West
New Palestine, IN 46163

Super Donut
(2.2 oz net wt.)

Labels bearing the above product name will have the following ingredient statement:

Enriched flour, water, vegetable shortening, sugar, milk protein, dextrose, nonfat dry milk, soy flour, leavening, salt, dried egg yolk, calcium carbonate, magnesium phosphate, ferrous sulphate, lecithin, mono and diglycerides, starch, ascorbic acid, vitamin A palmitate, alpha tocopherol acetate, niacinamide, pyridoxine hydrochloride, thiamine mononitrate, riboflavin, vitamin B12, folic acid, natural flavors and colors.

DEPARTMENT OF AGRICULTURE

FOOD AND NUTRITION SERVICE

7 CFR, Part 220 -- SCHOOL BREAKFAST PROGRAM

Appendix A -- Alternate Foods for Meals

Formulated Grain-Fruit Products

1. Schools may utilize the formulated grain-fruit products defined in paragraph 3 as a food component in meeting the meal requirements of this part under the following terms and conditions:

(a) Formulated grain-fruit products may be used as an alternate to meet one bread/bread alternate and the fruit/vegetable requirement in the breakfast pattern specified in §220.8.

(b) Only individually wrapped formulated grain-fruit products which bear a label conforming to the following legend shall be utilized.

''This product conforms to USDA Child nutrition program specifications. For breakfast, it meets the requirements for fruit/vegetable/juice and one bread/bread alternate.''

2. Only formulated grain-fruit products that have been accepted by the Food and Nutrition Service (FNS) for use in the USDA child nutrition programs may be labeled as provided in paragraph 1.(b) of this appendix. Manufacturers seeking acceptance of their product shall furnish FNS a chemical analysis, protein efficiency ratio analysis, and such other pertinent data as may be requested by FNS. This information shall be forwarded to: Director, Nutrition and Technical Services Staff, Food and Nutrition Service, U.S. Department of Agriculture, Alexandria, Virginia 22302. All laboratory analyses are to be performed by independent or other laboratories acceptable to FNS. (FNS prefers an independent laboratory.) All laboratories shall retain the ''raw'' laboratory data for a period of one year. Such information shall be made available to FNS upon request.

3. To be accepted by FNS, products must have the following characteristics and meet the following nutritional specifications:

(a) Types. There are two types of products: one is a grain-type product and the other a grain-fruit type product.

(b) **Ingredients.** A grain-type product shall have grain as its primary ingredient. A grain-fruit type product shall have fruit as its primary ingredient. Both types of products must have at least 25 percent of their weight derived from grain. All ingredients and/or components shall comply with pertinent requirements or standards of the USDA and the Food, Drug, and Cosmetic Act, as amended, and any regulations issued thereunder.

(c) **Nutritional specifications.** Each serving of the product shall meet the minimum compositional requirements in the following table. The requirements as specified for those nutrients not limited by maximum values will be deemed to have been met if reasonable overages of the vitamins and minerals, within the limits of good manufacturing practice, are present to insure that the required levels are maintained throughout the expected shelf life under customary conditions of distribution and storage. An exception will be made for vitamins or minerals which occur naturally in an ingredient at such concentration that the level specified will be substantially exceeded in the final product. Such excess will be permitted but no lable claim of nutritional advantage can be made for overages for any nutrients. Analytical methods employed should be according to the standard procedures defined in the Association of Official Analytical Chemists, 1970, "Official Methods of Analysis," 11th edition, Washington, D.C. or by appropriate analytical procedures FNS considers reliable.

Nutritional levels of grain-fruit products¹

Nutrient	Unit	Minimum	Maximum
Weight	Ounce	2.0	4.0
PER	Casein = 2.5	2.0	---
Moisture	Percent weight	---	40.0
Fat ²	do	---	22.0
Fiber	do	---	0.8
Protein	Gram	5.0	---
	(N×6.25)		
Energy	Kilocalorie	250	---
Vitamin A ³	International unit.	1,115	1,675
Vitamin E	do	5.0	---
Vitamin B ₁₂	Microgram	1.25	---
Thiamin	Milligram	.26	---
Riboflavin	do	.13	---
Vitamin B ₆	do	.26	---
Vitamin C	do	20	---
Niacin	do	2.65	---
Folacin	do	.04	---
Iron ⁴	do	4.4	---
Calcium	do	120	---
Phosphorus	do	120	---
Magnesium	do	30	---

¹These specifications are based on a nutrient level for acceptable products plus ½ pint of fluid milk (as defined in § 220.2 of the regulations (7 CFR Part 220)) to provide at least 25 percent of the Recommended Dietary Allowances (RDA), 1968, for 10 to 12-year-old boys and girls, for specified nutrients except magnesium and kilocalories. Magnesium and kilocalories—at least 13 percent of the RDA.

²Although the maximum fat in these specifications is 22 percent, consideration should be given to the development of formulated items containing less fat. Most medical authorities recommend keeping the dietary intake of fats at about 1/3 of the day's calories. At least five percent of the total calories shall be from linoleic acid.

³Vitamin A levels above the maximum of 1,675 I.U. will be allowed in products containing this nutrient as a natural food, and if the vitamin has not been added to the ingredients or foods.

⁴Recommended sources of iron are ferric ammonium citrate, ferrous fumarate, ferrous sulfates (FeSO₄ or FeSO₄ 7H₂O), ferrous gluconate, reduced iron, or other sources known to have a similar relative biological value.

(Secs. 804, 816, 817, and 819, Pub. L. 97 - 35, 95 Stat. 521 - 535 (42 U.S.C. 1753, 1756, 1759, 1771, 1773 and 1785))

[Amdt. 18, 39 FR 11249, Mar. 27, 1974, as amended at 40 FR 37027, Aug. 25, 1975; Amdt. 45, 48 FR 195, Jan. 4, 1983; 54 FR 18466, May 1, 1989]



APR 4 1989

Grain-Fruit Companies:

This letter is to inform you of changes made in the School Breakfast Program affecting the Formulated Grain-Fruit Product requirements.

On March 30, 1989, an improvement to the School Breakfast Program regulation was published. The changes specified that in addition to 1/2 pint of milk and fruit/vegetable/juice, two servings of bread/bread alternate, two servings of meat/meat alternate or one serving of each must be provided to the student. Because of these changes a Grain-Fruit Product served with 1/2 pint of milk will no longer fulfill the breakfast meal pattern requirements. Individually, a Grain-Fruit Product will meet the requirements for fruit/vegetable/juice and one bread/bread alternate. To meet the full breakfast requirement, the Grain-Fruit Product will need to be served with 1/2 pint of milk and another bread/bread alternate or one serving of meat/meat alternate.

The implementation period for schools is from now until the beginning of the 1989-90 school year. During this time State agencies may choose whether or not their schools will follow the new Breakfast Program regulations. After the implementation period, all schools will be required to follow the new regulations. Should a school be following the new Breakfast Program regulations prior to the 1989-90 school year, the Food and Nutrition Service (FNS) statement of acceptance on your Grain-Fruit Product label will not be valid for that school. Also, as of the 1989-90 school year this statement will no longer be valid at all. Please inform your customers of this and remind them that they may still continue to serve Grain-Fruit Product, but another bread/bread alternate or meat/meat alternate item must be offered in addition to the Grain-Fruit Product and milk in order to satisfy the new breakfast meal pattern requirements.

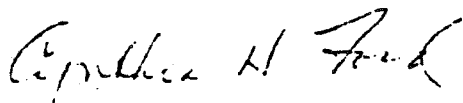
As a processor, you will have a year from the date the regulation was published to correct the FNS statement of acceptance on your Grain-Fruit Product label. Please note that even though we are giving you a year to correct the statement of acceptance, as of the 1989-90 school year the statement will no longer be valid. The statement must be modified to read, "This product conforms to USDA Child Nutrition Program specifications. For breakfast, it meets the requirements of fruit/vegetable/juice and one bread/bread alternate." Please send FNS a corrected copy of your label for our files within one year from publication of the new final rule for the School Breakfast Program. If

Grain-Fruit Companies

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we do not receive your corrected label within this time period, we will assume you are no longer providing this product to schools and will remove your product from our approved list. Our Regional Offices will also be informed of this action.

Sincerely,



CYNTHIA H. FORD
Chief
Technical Assistance Branch
Nutrition and Technical Services Division

DATE _____

COMPANY _____

PRODUCT _____

FORMULATED GRAIN FRUIT PRODUCT CHECK LIST

1. Nutrient Analysis

2. PER Analysis

3. Fatty Acid Analysis - sources and amounts of fats to determine total fat content and percent of fatty acids derived from linoleic acid ($\geq 5\%$).

4. Label or Mock-Up
 - A. FNS Statement
 - B. Individually Wrapped
 - C. Ingredient Statement
 1. grain or fruit as primary ingredient
 2. 'at least 25% of weight from grain

5. Comments

New companies should check with FDA for conformance with standard labeling requirements.

Division of Regulatory Guidance
Food and Drug Administration
5001 FB 8
200 C Street, S.W.
Washington, D.C. 20204

GRAIN FRUIT CHECK LIST

COMPANY _____

PRODUCT _____

1ST REVIEW _____ DATE _____ 2ND REVIEW _____ DATE _____

APPROVAL LETTER SENT? _____ FINAL LABEL RECEIVED? _____

MASTER LIST UPDATED? _____

NUTRIENT SPECIFICATIONS:

<u>NUTRIENTS</u>	<u>REGULATION</u>	<u>LAB DATA</u>	<u>ACCEPTABLE?</u>
<u>WEIGHT</u>	2.0-4.0 OZ.	_____	_____
<u>MOISTURE</u>	40% MAX	_____	_____
<u>*FAT</u>	22% MAX.	_____	_____
<u>FIBER</u>	0.8% MAX	_____	_____
<u>PROTEIN</u>	5.0 g MIN.	_____	_____
<u>ENERGY</u>	250KCAL.MIN.	_____	_____
<u>**VITAMIN A</u>	1115 MIN-1675 MAX IU.	_____	_____
<u>VITAMIN E</u>	5.0 IU. MIN.	_____	_____
<u>VITAMIN B12</u>	1.25 mcg. MIN	_____	_____
<u>THIAMIN</u>	0.26 mg. MIN	_____	_____
<u>RIBOFLAVIN</u>	0.13 mg. MIN	_____	_____
<u>VITAMIN B6</u>	0.26 mg. MIN	_____	_____
<u>VITAMIN C</u>	20 mg. MIN	_____	_____
<u>NIACIN</u>	2.65 mg. MIN	_____	_____
<u>FOLACIN</u>	0.04 mg. MIN	_____	_____
<u>IRON</u>	4.4 mg. MIN	_____	_____
<u>CALCIUM</u>	120 mg. MIN	_____	_____
<u>PHOSPHORUS</u>	120 mg. MIN	_____	_____
<u>MAGNESIUM</u>	30 mg. MIN	_____	_____
<u>PER</u>	2.0 MIN	_____	_____

PROPER STATEMENT: "THIS PRODUCT CONFORMS TO USDA CHILD NUTRITION PROGRAM SPECIFICATIONS. FOR BREAKFAST, IT MEETS THE REQUIREMENTS OF FRUIT/VEGETABLE/JUICE AND ONE BREAD/BREAD ALTERNATE."

COMMENTS:

* At least five percent of the total calories shall be from linoleic acid.

** Levels above the maximum will be allowed in products containing this nutrient as a natural food, and if the vitamin has not been added to the ingredients or foods.