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UNITED STATES DEPARTMENT OF AGRICULTURE  
Science and Education Administration  
Human Nutrition  
Consumer Nutrition Center

CONVERSION FACTORS  
for the household food consumption phase  
of the  
NATIONWIDE FOOD CONSUMPTION SURVEY 1977-78

Factors are used for converting weights of specified foods to equivalent weight for combination into food group totals.

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CONVERSION FACTORS USED WITH DATA FROM THE HOUSEHOLD PHASE  
OF THE NATIONWIDE FOOD CONSUMPTION SURVEY 1977-78

These conversion factors were developed to adjust reported quantities of food in the household phase of the Nationwide Food Consumption Survey 1977-78. The adjustment brought food items of different forms and food mixtures to some common basis for combination into food groups.

For the study, foods were grouped and reported in two ways. First, the foods were grouped as marketed to report on consumption patterns. Second, foods were grouped according to their nutrient content to interpret the dietary situation of households. Most of the conversion factors were used in computing weight totals for each food subgroup in these two categories.

The basis of conversion for subgroups within market and nutrition groups were of three types:

(1) A similar form. For example, all nuts with shell were converted to the equivalent weight of nut meats; all potato products, processed or pared, were converted to an equivalent weight of fresh potatoes with peel.

(2) An equivalent nutrient content. For example, the weight of each milk product was converted to the weight of fluid milk containing the same amount of calcium as contained in each milk product. This converted weight of milk and milk products is called "calcium (milk) equivalent."

(3) An ingredient common to a series of individual food items. An example of this basis of conversion is "flour equivalent." Included here were items such as prepared flour mixes, bakery products, and commercially prepared dishes and soups made chiefly of grain products. These grain products were converted to the weight of flour or dry grain contained in each food item within the group and added to the weight of flour, meal, cereals, and pastes.

On the page following is a summarization of food groups converted for market and nutrition groups, what the bases of conversion were for each food group, and, in a general way, the food items converted within each group.

Market Food Group: determined by first and second digit of code.

<u>Food group</u>	<u>Conversion basis</u>	<u>Items converted</u>
Milk, cream, ice cream, cheese	Calcium (as contained in equivalent amount of whole milk)	Fresh fluid milk, processed milk, cream (including cream substitutes containing milk derivatives), frozen desserts containing milk, cheese, cream soups, mixtures containing milk or milk products
Eggs	Eggs in shell	Eggs without shell; processed eggs, egg substitutes.
Juices (canned, frozen, powdered, fresh), vegetable and fruit	Single strength juice	Concentrated, powdered forms
Nuts	Nut meats	Nuts with shell

Nutrition Food Group: determined by eighth and ninth digits of code.

Milk, cream, ice cream, cheese	Calcium (as contained in equivalent amount of whole milk)	Fresh fluid milk, processed milk, cream (including cream substitutes containing milk derivatives), frozen desserts containing milk, cheese, cream soups, mixtures containing milk or milk products
Eggs	Eggs in shell	Eggs without shell; processed eggs, egg substitutes
Dry beans, peas, lentils	Dry weight	Cooked or canned beans, peas, and lentils
Nuts, peanut butter	Nut meats	Nuts with shell

Nutrition Food Group--continued

<u>Food group</u>	<u>Conversion basis</u>	<u>Items converted</u>
Potatoes	Fresh potato with peel	Pared potatoes, processed potatoes, chips, salad; soup
Citrus fruit	Single strength juice	Fresh citrus fruit, concentrated form of citrus and blended citrus juices
Grain products, enriched, whole grain, restored or fortified	Flour or dry grain content	Flour mixes, bread, cereals, pastes, and other baked goods; mixtures and soups, mostly enriched grain
Grain products, not enriched, whole grain, restored or fortified	Flour or dry grain content	Flour mixes, bread, cereals, pastes, and other baked goods; mixtures and soups, mostly unenriched
Sugars, sweets	Sugar content	Ready-to-drink, canned, and powdered ice tea, ades, punches, drinks, and nectars; soft drinks; miscellaneous sweets, including dessert mixes

All foods reported by the households in the survey were given a 15-digit numerical code that provides a unique identification of every food item. Each of the major marketing groups is expressed by the first two digits. Marketing subgroups are indicated by the third and fourth digits. Complete detail on most food items can be obtained by the first seven digits of the code. The eighth and ninth digits show nutritional groupings. The remaining groups of digits of the code are used to describe specific methods of processing or variation (commercially canned, home frozen, concentrated, ready-to-eat, etc.).

Factors in the following detailed listing are grouped by the common basis of conversion. The last two columns of the list indicate whether the factor is to be applied to marketing or nutritional groups, or both. Only the food items to be converted are in this list. All food items not shown have a conversion of 1.00. That is, they are included in totals as the weight reported.

The sources used to develop the factors for conversion were (1) Conversion Factors and Weights and Measures for Agricultural Commodities and Their Products, USDA, ERS, Statistical Bulletin No. 362, Revised May 1962; and (2) Composition of Foods, Raw, Processed, Prepared, USDA, ARS, Agriculture Handbook No. 8, Revised December 1963; (3) Procedures for Calculating Nutritive Values of Home-Prepared Foods; As Used in Agriculture Handbook No. 8, Composition of Foods--Raw, Processed, Prepared, Revised 1963, USDA, ARS, ARS 62-13, March 1966; (4) Composition of Foods: Dairy and Egg Products, Raw, Processed, Prepared, USDA, ARS, Agriculture Handbook No. 8-1, 1976.

Conversion factors were applied to food data from the 1977-78 survey as follows: The quantity of food used was multiplied by the appropriate factor to obtain the quantity on a converted basis. The converted quantity was then added to quantities of other foods in the food group for a group total.

Factors for converting weights of specified foods to equivalent  
weight for combination into food group totals

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>CALCIUM EQUIVALENT</b>			
Fresh fluid milk			
Cows' milk, low sodium	401110301 100000	0.80	0.80
Cows' milk, concentrated	401110401 100000	2.90	2.90
Goats' milk	401110501 100000	1.10	1.10
Filled milk, all kinds	401110601 100000	1.10	1.10
Lowfat and 2% milk (include 1%-2% milkfat, sweet acidopholus)	401410101 100000	1.10	1.10
Yogurt, plain (no specified flavor)	401510201 100000	1.50	1.50
Yogurt, vanilla or coffee	401510301 100000	1.40	1.40
Yogurt, fruit	401510401 100000	1.30	1.30
Yogurt, diet, artificially sweetened fruit	401510501 100000	.80	.80
Chocolate milk	401610101 100000	.90	.90
Thick shakes, chocolate, carryout	401630101 100000	1.10	1.10
Thick shakes, all flavors except chocolate, carryout	401630201 100000	1.20	1.20
Imitation milk, fluid	401710108 100000	.30	.30
Processed milk			
Evaporated milk, cows' whole, commercially canned	402110101 200000	2.20	2.20
Evaporated milk, cows' skim, commercially canned	402110201 200000	2.40	2.40
Evaporated milk, cows' skim with vegetable oil, commercially canned	402110301 200000	2.20	2.20
Evaporated goats' milk, commercially canned	402110401 200000	2.40	2.40
Condensed milk, sweetened, commercially canned	402120101 200000	2.40	2.40
Nonfat milk, dry, instant	402210101 400000	10.30	10.30

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Processed milk--continued

Lowfat milk, dry	402210201 400000	10.20	10.20
Whole milk, dry	402210301 400000	7.60	7.60
Buttermilk, dry	402210401 400000	9.90	9.90
Protein-casein powder	402210601 400000	.00	.00
Goats' milk, dry	402210701 400000	8.30	8.30
Nonfat milk, dry, regular	402210801 400000	10.60	10.60
Nonfat milk and nondairy creamer, dry	402210901 400000	8.70	8.70
Soy milk (not baby) commercially canned	402130108 200000	.20	.20
Infant formula, milk base, ready to use, commercially canned	402140108 200000	.40	.40
Infant formula, milk base, concentrated, commercially canned	402140208 200000	.90	.90
Infant formula, milk base iron, ready to use, commercially canned	402140308 200000	.40	.40
Infant formula, milk base iron, concentrated, commercially canned	402140408 200000	.90	.90
Infant formula, soy base, ready to use, commercially canned	402140508 200000	.40	.40
Infant formula, soy base, concentrated, commercially canned	402140608 200000	.80	.80
Infant formula, meat base, concentrated, commercially canned	402140708 200000	2.00	2.00
Infant formula, weaning type, ready to use, commercially canned	402140808 200000	.40	.40
Infant formula, weaning type, concentrated, commercially canned	402140908 200000	.90	.90



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Processed milk--continued

Diet beverages, liquid, lower calorie, commercially canned	402150108 250000	.70	.70
Milkshakes, chocolate, commercially canned	402160308 200000	1.10	1.10
Eggnog beads	402210508 400000	.70	.70
Soy milk, not baby, dry	402220108 400000	3.70	3.70
Infant formula, milk base, dry	402230108 400000	3.70	3.70
Infant formula, milk base with iron, dry	402230208 400000	3.70	3.70
Infant formula, with iron and protein, dry	402230308 400000	5.30	5.30
Infant formula, with protein, dry	402230408 400000	5.30	5.30
Infant formula, soy base, dry	402230508 400000	3.30	3.30
Malted milk, dry	402240108 400000	2.20	2.20
Cocoa, with nonfat dry milk, with sugar	402240208 400000	3.00	3.00
Cocoa, with nonfat dry milk, no sugar	402240308 400000	7.40	7.40
Breakfast drinks, containing milk	402240408 400000	1.20	1.20
Tiger milk	402240508 400000	18.30	18.30
Diet beverages, dry, lower calorie	402250108 400000	3.00	3.00
Diet beverages, dry, higher calorie	402250208 400000	7.40	7.40
Milkshakes, all flavors, commercially frozen	402310108 300000	1.10	1.10

Baked goods, mostly milk

Cheesecake mix	422312408 990000	1.50	1.50
Cheesecake, cheese pie, home frozen	432430508 130052	.90	.90
Cheesecake, cheese pie, commercially frozen	432430508 310052	.90	.90
Cheesecake, cheese pie, ready to eat	432430508 990052	.90	.90
Cheesecake with fruit, home frozen	432430608 130052	.70	.70

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Baked goods, mostly milk--continued

Cheesecake with fruit, commercially frozen	432430608 310052	.70	.70
Cheesecake with fruit, ready to eat	432430608 990052	.70	.70
Snack item, mostly milk	432950101 990000	8.30	8.30

Cream, cream substitutes

Light cream, sweet	403110102 100000	.80	.80
Light cream, powdered	403110202 400000	4.50	4.50
Heavy whipping cream	403210102 100000	.50	.50
Heavy whipping cream, home frozen	403210202 120000	.50	.50
Whipped cream, pressure can	403210402 200000	.80	.80
Sour cream substitute	403310202 100000	.90	.90
Half and half, sweet	403410102 100000	.90	.90
Half and half, sour	403410202 100000	.90	.90
Eggnog, fresh	403410302 100000	1.10	1.10
Eggnog, commercially canned	403410402 200000	1.10	1.10
Cream substitute, powdered	403511102 400000	.20	.20
Cream substitute, commercially frozen	403512102 300000	.10	.10
Cream substitute, liquid	403512202 100000	.10	.10
Whipped cream substitute, nondairy, powdered	403520102 400000	.10	.10
Whipped cream substitute, nondairy, powdered, dietetic	403520402 400000	.10	.10

Frozen desserts containing  
milk

Ice cream, except chocolate, bulk or prepackaged	404110202 310000	1.10	1.10
Ice cream with vegetable fat, imitation	404110302 310000	1.10	1.10
Ice cream, dietetic	404110402 310000	1.20	1.20
Fruit sundaes, ready to eat	404110502 310000	.40	.40
Ice cream cake or roll	404110602 310000	.70	.70
Ice milk, except chocolate, bulk or prepackaged	404210102 310000	1.10	1.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

**CALCIUM EQUIVALENT--continued**

**Frozen desserts containing  
milk--continued**

Ice milk combined with sherbet or ice cream	404210202 310000	.60	.60
Chocolate ice milk, bulk or prepacked	404210402 310000	1.30	1.30
Sherbet--all flavors	404310202 310000	.40	.40
Frozen desserts with milk, dietetic	404410102 310000	1.60	1.60
Frozen desserts with yogurt on a stick	404410202 300000	1.20	1.20

**Cheese**

Cheddar or American, natural	405110103 990000	6.00	6.00
Cheddar or American, processed	405210103 990000	5.20	5.20
Cheez Kisses	405210203 990000	4.70	4.70
American processed, low fat	405210303 990000	4.70	4.70
American and Swiss, processed	405210403 990000	5.20	5.20
Swiss, domestic and imported	405310103 990000	8.00	8.00
Cottage cheese, creamed, large or small curd	405410403 990000	.50	.50
Cottage cheese, creamed, large or small curd, with fruit	405410503 990000	.40	.40
Cottage cheese, uncreamed, dry curd	405410603 990000	.30	.30
Cottage cheese, lowfat (1-2%)	405410703 990000	.50	.50
Cream cheese	405510103 990000	.70	.70
Cream cheese, lowfat	405510203 990000	1.10	1.10
Cream cheese, whipped	405510303 990000	.70	.70
Cheese spreads, cheddar or American cheese base	405610103 990000	4.70	4.70
Cheese spreads, cream cheese, or Neufchatel base	405610203 990000	.70	.70
Cheese spreads, pressurized can	405610303 200000	4.70	4.70
Processed cheese food	405610403 990000	4.80	4.80
Parmesan	405710103 990000	11.50	11.50
Camembert	405810103 990000	3.20	3.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Cheese--continued

Limburger	405820103	990000	4.20	4.20
Brick	405830103	990000	5.60	5.60
Blue or Roquefort	405840103	990000	4.40	4.40
Gouda, Edam	405850103	990000	6.20	6.20
Mozzarella	405860103	990000	6.10	6.10
Cheese, cream, imitation	405910103	990000	1.50	1.50
Cheese spreads, imitation	405910203	990000	4.70	4.70
Cheese spreads, imitation, low fat	405910303	990000	7.40	7.40
Filled cheese food, imitation	405910403	990000	6.10	6.10
Cold pack cheese food, imitation	405910503	990000	4.20	4.20

Dips

Cream based	406210102	990000	.90	.90
Cream cheese base	406110103	990000	.60	.60
Cheese base	406110203	990000	4.70	4.70
Cheese balls	406310103	990000	6.00	6.00

Miscellaneous sweets

Pudding, all flavors except chocolate, or with fruit, commercially canned	475220108	200000		.80
Pudding, all chocolate flavors, commercially canned	475220208	200000		.70
Pudding, ready to eat, mostly milk, no chocolate	475220508	990000		.90
Pudding, ready to eat, mostly milk, chocolate	475220608	990000		.80
Pudding, with fruit bits, commercially canned	475230108	200000		.80
Egg custard, ready to eat	475240108	990000		.90

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Ready-to-eat or heat soups

Clam chowder, New England, ready to serve, not canned	561110108 010030	.80	.80
Clam chowder, New England, home frozen	561110108 130030	.80	.80
Clam chowder, New England, ready to serve, commercially canned	561110108 200030	.10	.10
Crab bisque, ready to serve, not canned	561110208 010030	.40	.40
Crab bisque, home frozen	561110208 130030	.40	.40
Crab bisque, ready to serve, commercially canned	561110208 200030	.10	.10
Oyster stew, ready to serve, not canned	561110308 010030	.50	.50
Oyster stew, home frozen	561110308 130030	.50	.50
Oyster stew, ready to serve, commercially canned	561110308 200030	.30	.30
Cream of chicken, ready to serve, not canned	561110408 010030	.60	.60
Cream of chicken, home frozen	561110408 130030	.60	.60
Cream of chicken, commercially canned	561110408 200030	.60	.60
Cream of shrimp, ready to serve, commercially canned	561110508 200030	.10	.10
Cream of Vichyssoise, ready to serve, not canned	561110608 010030	.20	.20
Cream of Vichyssoise, home frozen	561110608 130030	.20	.20
Cream of Vichyssoise, ready to serve, commercially canned	561110608 200030	.20	.20
Cream of mushroom, ready to serve, not canned	561510208 010030	.10	.10
Cream of mushroom, ready to serve, commercially canned	561510208 200030	.10	.10
Cream of mushroom, low sodium, ready to serve, commercially canned	561520108 250030	.10	.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Condensed, semicondensed soups,  
ready-to-eat or heat gravy,  
sauces

Cheese, condensed, commercially canned	562110108 200031	2.50	2.50
Cream of asparagus, condensed, commercially canned	562110208 200031	.20	.20
Cream of celery, condensed, commercially canned	562110308 200031	.30	.30
Cream of chicken, condensed, commercially canned	562110408 200031	.10	.10
White sauce, ready to eat	562110508 010030	.90	.90
Clam chowder, New England, condensed, commercially canned	562110608 200031	.20	.20
Oyster stew, condensed, commercially canned	562110708 200031	.60	.60
Cream of mushroom, condensed, commercially canned	562510108 200031	.30	.30

Frozen condensed soup

Clam chowder, New England, condensed, commercially frozen	563110108 310031	.60	.60
Oyster stew, condensed, commercially frozen	563110208 310031	.60	.60
Cream of shrimp, condensed, commercially frozen	563110308 310031	.30	.30

Dry or dehydrated soups,  
sauces, gravy

Cheese sauce mix, dry	565110108 400032	7.50	7.50
Cream of leek, dry	565110208 400032	.40	.40
New England chowder, dry	565110408 400032	2.80	2.80
Cream of chicken, dry	565110508 400032	1.40	1.40
Cream of vegetable, dry	565110608 400032	1.90	1.90
Cream of mushroom, dry	565510108 400032	2.60	2.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

CALCIUM EQUIVALENT--continued

Mixtures (other than baby food),  
mostly milk or milk products

Cheese fondue, refrigerated, ready to eat	581110108 990000	1.70	1.70
Dessert--whipped cream, fruit, marshmallows, ready to eat	581110208 100000	.30	.30
Cheese souffle, ready to eat	581110408 010000	1.60	1.60
Cheese souffle, commercially frozen	582110108 31000	1.60	1.60
Cheese fondue, commercially canned	582110208 200000	1.70	1.70
Cheese fondue, commercially frozen	582110208 310000	1.70	1.70

Baby or junior food mixtures,  
mostly milk or milk products

Custard pudding, not chocolate	584110108 600000	.40	.40
Custard pudding, chocolate	584110208 600000	.40	.40
Cottage cheese with fruit	584110308 600000	.30	.30

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT

Prepared flour mixes

Pancake mix, enriched	422110251	995000	.80
Pancake mix with blue-berries, enriched	422110451	995000	.70
Pancake mix, buckwheat	422110651	995100	.80
Pancake mix, whole wheat	422110751	995100	.80
Biscuit mix, dry, enriched	422210151	995000	.70
Plain muffin mixes, dry, enriched	422210251	995000	.70
Muffin mixes with fruit, dry, enriched	422210351	995000	.50
Bran muffin mix, dry	422210451	995000	.70
Corn muffin mix, dry	422210551	995000	.70
Cornbread mix, dry, enriched	422210651	995000	.70
Roll mix, dry, enriched	422210751	995000	.80
Popover mix, dry, enriched	422210851	995000	.70
Coffeecake mix	422210951	995000	.40
Coffeecake mix with fruit	422211051	995000	.40
White, yellow, or spicecake mix	422310151	995000	.40
White, yellow, or spicecake mix with fruit or nuts	422310251	995000	.40
White, yellow, or spicecake mix with icing	422310351	995000	.30
White, yellow, or spicecake mix with chocolate icing	422310451	995000	.30
Chocolate, fudge, or devil's food cake mix	422310551	995000	.40
Chocolate, fudge, or devil's food cake mix with chocolate icing	422310651	995000	.30
Snackin' cake mixes	422310751	995000	.20
Chocolate snackin' cake mixes	422310851	995000	.20
Pineapple upside down cake mix	422310951	995000	.20
White, yellow, spice streusel or bundt mix, spice or plain	422311051	995000	.20
White, yellow, or spice streusel or bundt mix, with fruit	422311151	995000	.20



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Prepared flour mixes--continued

Chocolate streusel or bundt mix without chocolate glaze	422311351	995000	.20
Chocolate streusel or bundt mix with chocolate glaze	422311451	995000	.20
Marble cake mix	422311551	995000	.40
Poundcake mix	422311651	995000	.40
Bundt poundcake and topping mix	422311751	995000	.20
Poundcake mix, sugarless	422311851	995000	.40
Sponge or chiffon cake mix	422312051	995000	.30
Fruitcake mix	422312251	995000	.20
Gingerbread mix	422312351	995000	.40
Boston cream pie mix	422312551	995000	.30
White, yellow, or spice dietetic cake mix	422312651	995000	.40
Chocolate dietetic cake mix	422312751	995000	.40
Piecrust mix, enriched	422410151	995000	.60
Pie mix and filling with enriched piecrust	422410251	995000	.30
Plain cooky mix, enriched	422510151	995000	.40
Chocolate cooky mix, enriched	422510251	995000	.40
Chocolate chip cooky mix	422510351	995000	.30
Peanut butter chocolate chip bar cooky mix	422510451	995000	.30
Peanut butter cooky mix	422510551	995000	.30
Oatmeal cooky mix	422510651	995000	.30
Coconut cooky mix	422510751	995000	.30
Brownie mix	422510851	995000	.20
Date bar cooky mix	422510951	995000	.30
Bread mix, enriched	422610151	995000	.80
Bread mix, with fruit or nuts, enriched	422610251	995000	.60
Cream puff or éclair mix	422610351	995000	.50
Apple crunch or apple thin mix	422610451	995000	.20
Pudding cake mix	422610551	995000	.40
Cruller mix	422610751	995000	.70
Low protein bread mix	422610951	995000	.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Breakfast cereals

Oat flakes, maple flavored, instant	423110152	995100	.80
Oat granules, maple flavored, regular cooking	423110252	995100	.80
Oatmeal with fruit and spice, instant	423110452	995100	.70
Farina, cream of wheat, with fruit, instant	423120452	995000	.70
Corn flakes, plain	423210152	995000	.90
Corn flakes, presweetened	423210252	995000	.70
Corn, puffed, presweetened	423210552	995000	.60
Corn, puffed, presweetened, fruit flavored	423210752	995000	.50
Corn, shredded	423210852	995000	.90
Bran, shredded	423220252	995000	.70
Bran flakes, 40% bran	423220352	995000	.80
Bran flakes with raisins	423220452	995000	.70
Wheat flakes	423220852	995000	.90
Wheat, puffed, with sugar and/or honey	423221052	995000	.50
Wheat, shredded, presweetened	423221352	995100	.70
Rice flakes	423230152	995000	.90
Rice flakes, presweetened	423230252	995000	.60
Rice flakes, with casein	423230352	995000	.90
Rice, puffed, presweetened, with honey or cocoa	423230652	995000	.50
Rice, puffed, presweetened, fruit flavored	423230752	995000	.50
Rice, shredded	423230852	995000	.90
Rice, nuggets	423230952	995000	.50
Oats, shredded, with protein	423240152	995000	.90
Oats, rolled, with wheat germ	423240352	995100	.80
Oats, rolled, with wheat germ, fruit, nuts	423240452	995100	.70
Oats, rolled, with fruit and soybeans, salt free	423240552	995100	.70
Oat nuggets	423240652	995000	.50
Wheat and oat flakes with raisins and nuts	423250352	995100	.80

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Breakfast cereals--continued

Rice, wheat, corn, and oat flaked mixture	423250652	995000	.80
Oats and wheat, rolled, with fruit and/or nuts, unenriched	423250752	995100	.60
Whole oat, wheat, rye flakes, with raisins and nuts	423250852	995100	.80
Oat, soy, wheat flour, flaked mixture	423250952	995000	.80
Multigrain flaked mixture, with fruit and nuts	423251052	995100	.80
Corn and oat flours, puffed mixture, presweetened	423251152	995000	.60
Corn, oat, rice flours, puffed mixture, presweetened	423251252	995000	.40
Corn, oats, rice, and peanut butter, puffed, presweetened	423251352	995000	.70
Corn, wheat, and oats, puffed, presweetened, fruit flavored	423251452	995000	.50
Oats, corn, puffed mixture, presweetened	423251552	995000	.50
Corn, oat, wheat flour, nugget mixture	423251652	995000	.50
Oat flour and cornmeal, nugget mixture	423251752	995000	.60
Oat flour and cornmeal, with cocoa, nugget mixture	423251852	995000	.60
Baby cereal, high protein, precooked, dry, with fruit	423260352	615000	.80
Baby cereal, oatmeal with fruit, precooked, dry	423260552	615000	.80
Baby cereal, rice with fruit, precooked, dry	423260752	615000	.80
Baby cereal, mixed with fruit, precooked, dry	423260952	615000	.80
Baby cereal, multigrain, ready to eat, presweetened	423261052	615000	.80

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Breakfast cereals--continued

Variety pack, all presweetened	423270152	995000	.60
Variety pack, none presweetened	423270252	995000	.90
Variety pack, mixture of plain and presweetened	423270352	995000	.60

Other cereals

Rice milanese	424110852	995000	.80
Cornmeal mush	424211752	995000	.10
Noodles, egg, enriched, cooked	424311252	995000	.30
Popcorn (package with corn, oil for popping, and/or cheese)	424410252	995100	.70
Popcorn, popped, oil and salt, seasonings or cheese	424410352	995100	.90
Popcorn, popped, sugar coated	424410452	995100	.40
Granola-type home prepared grain, seeds, and nut product	424511152	995100	.40
Nestum, regular	424520152	995000	.80
Nestum, protein rich	424520252	995000	.60

Breads

White bread, enriched, home frozen	431110153	135000	.60
White bread, enriched, commercially frozen	431110153	315000	.60
White bread, enriched	431110153	995000	.60
White bread, low calorie, added fiber, enriched, home frozen	431110353	135000	.60
White bread, low calorie, added fiber, enriched	431110353	995000	.60
White bread with added protein, home frozen	431110553	135000	.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Breads--continued

White bread with added protein	431110553 995000	.60
White bread, flat	431110653 995000	.60
White bread, without fat, enriched	431110753 995000	.60
Italian or Grecian bread, enriched, home frozen	431120153 135000	.60
Italian or Grecian bread, enriched	431120153 995000	.60
French or Vienna bread, enriched, home frozen	431130153 135000	.60
French or Vienna bread, enriched	431130153 995000	.60
Egg bread, cheese bread, unenriched, home frozen	431140153 135000	.60
Egg bread, cheese bread, enriched	431140153 995000	.60
Salt-rising bread, enriched	431140553 995000	.60
Triticale bread, home frozen	431150153 135100	.60
Triticale bread, commercially frozen	431150153 315100	.60
Triticale bread, ready to eat	431150153 995100	.60
Whole wheat bread, home frozen	431210153 135100	.60
Whole wheat bread, commercially frozen	431210153 315100	.60
Whole wheat bread	431210153 995100	.60
Whole wheat bread, without fat	431210253 995100	.60
Whole wheat bread with fruit and/or nuts, home frozen	431210353 135100	.40
Whole wheat bread with fruit and/or nuts	431210353 995100	.40
White and whole wheat bread, home frozen	431310153 135100	.60
White and whole wheat bread, commercially frozen	431310153 315100	.60
White and whole wheat bread	431310153 995100	.60
White and whole wheat bread, low calorie, added fiber, home frozen	431310253 135100	.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Breads--continued

White and whole wheat bread, low calorie, added fiber	431310253	995100	.60
Pumpernickel, home frozen	431320153	135100	.60
Pumpernickel bread	431320153	995100	.60
Rye bread, home frozen	431320253	135100	.60
Rye bread	431320253	995100	.60
Boston brown bread	431330153	995100	.40
Boston brown bread with fruit and/or nuts, home frozen	431330253	135100	.40
Boston brown bread, commercially canned	431330253	205100	.40
Boston brown bread with fruit and/or nuts	431330253	995100	.40
Boston brown bread with fruit and/or nuts, commercially canned	431330353	205100	.40
Oatmeal bread, home frozen	431340153	135100	.60
Oatmeal bread	431340153	995100	.60
Raisin bread, home frozen	431350153	135000	.40
Raisin bread	431350153	995000	.40
Whole multigrain bread	431370153	995100	.60
Breadcrumbs, dry, grated, enriched	431380153	405000	.90
Bread stuffing, mix, dry, enriched	431380253	405000	.90
Bread sticks	431380453	995000	.90
Bread sticks, without salt	431380553	995000	.90
Melba toast, rounds	431380653	995000	.90
Melba toast, without salt	431380753	995000	.90
Zwieback	431380853	995000	.90
Tortillas, commercially canned	431380953	205100	.90
Tortillas, commercially frozen	431380953	305100	.90
Tortillas, fresh	431380953	995100	.90
Cornbread made with corn- meal, commercially frozen	431381153	315100	.40
Cornbread made with cornmeal	431381153	995100	.40

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT-- ENRICHED---continued

Baked goods other than bread  
(including doughs and  
partially baked products)

White bread dough, home frozen	433110153 125000	.50
White bread dough, commercially frozen	433110253 305000	.50
White bread dough, refrigerated	433110253 995000	.50
Graham cracker crust mix	422410354 995100	.30
Oil-sprayed crackers	432110154 995000	.90
Sandwich-type cracker, peanut butter or cheese	432110254 995000	.90
Cheese crackers or milk crackers	432120154 995000	.90
Cheese crackers or milk crackers, dietetic	432120254 995000	.90
Flat crackers, enriched	432140653 995000	.90
Cornmeal cracker	432170154 995100	.40
White rolls, soft, enriched, home frozen	432210154 135000	.60
White rolls, soft, enriched, commercially frozen	432210154 315000	.60
White rolls, soft, enriched, ready to eat	432210154 995000	.60
White rolls, soft and hard, brown and serve, enriched, home frozen	432210254 135000	.60
White rolls, soft and hard, brown and serve, enriched, commercially frozen	432210254 315000	.60
White rolls, soft and hard, brown and serve, enriched, ready to eat	432210254 995000	.60
Hard rolls, enriched, home frozen	432220154 135000	.70
Hard rolls, enriched, commercially frozen	432220154 315000	.70
Hard rolls, enriched, ready to eat	432220154 995000	.70
Bagels, home frozen	432220254 135000	.60
Bagels, commercially frozen	432220254 315000	.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Bagels, ready to eat	432220254	995000	.60
Bagels, brown and serve	432220354	995000	.60
Rye rolls, home frozen	432230154	135100	.60
Rye rolls, commercially frozen	432230154	315000	.60
Rye rolls, ready to eat	432230154	995100	.60
Whole wheat rolls, home frozen	432240154	135100	.60
Whole wheat rolls, commercially frozen	432240154	315100	.60
Whole wheat rolls, ready to eat	432240154	995100	.60
Whole wheat rolls, brown and serve	432240254	995100	.60
Biscuits, enriched, home frozen	423310154	135000	.60
Biscuits, enriched, commercially frozen	432310154	315000	.60
Biscuits, enriched, ready to eat	432310154	995000	.60
English muffins, enriched, home frozen	432320154	135000	.60
English muffins, plain, commercially frozen	432320154	315000	.60
English muffins, enriched, ready to eat	432320154	995000	.60
English muffins with raisins, enriched, home frozen	432320254	135000	.50
English muffins with raisins, enriched, ready to eat	432320254	995000	.50
English muffins, whole wheat, ready to eat	432320354	995100	.60
Plain muffins, enriched, home frozen	432330154	135000	.40
Plain muffins, enriched, commercially frozen	432330154	315000	.40
Plain muffins, enriched, ready to eat	432330154	995000	.40



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--~~ENRICHED~~--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Muffins with fruit or nuts, home frozen	432330254 135000	.40
Muffins with fruit or nuts, commercially frozen	432330254 315000	.40
Muffins with fruit or nuts, enriched, ready to eat	432330254 995000	.40
Bran muffins, home frozen	432340154 135100	.40
Bran muffins, commercially frozen	432340154 315100	.40
Bran muffins, ready to eat	432340154 995100	.40
Corn muffins, enriched or unenriched, home frozen	432350154 135000	.50
Corn muffins, enriched or unenriched, commercially frozen	432350154 315000	.50
Corn muffins, enriched or unenriched, ready to eat	432350154 995000	.50
Waffles, home frozen	432360154 135000	.40
Waffles, commercially frozen	432360154 305000	.40
Waffles, ready to eat	432360154 995000	.40
French toast, home frozen	432370154 135000	.30
French toast, commercially frozen	432370154 305000	.30
French toast, ready to eat	432370154 995000	.30
Pancakes, commercially frozen	432380154 305000	.40
White, yellow, spicecake not iced, home frozen	432410154 135052	.30
White, yellow, spicecake, not iced, commercially frozen	432410154 315052	.30
White, yellow, spicecake not iced, ready to eat	432410154 995052	.30
White, yellow, spicecake icing not chocolate, home frozen	432410254 135050	.20
White, yellow, spicecake icing not chocolate, commercially frozen	432410254 315050	.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

White, yellow, spicecake icing not chocolate, ready to eat	432410254 995050		.20
White, yellow, spicecake chocolate icing, home frozen	432410354 135051		.20
White, yellow, spicecake, chocolate icing, commercially frozen	432410354 315051		.20
White, yellow, spicecake, chocolate icing, ready to eat	432410354 995051		.20
White, yellow, spicecake with fruit, home frozen	432410454 135052		.20
White, yellow, spicecake with fruit, commercially frozen	432410454 315052		.20
White, yellow, spicecake with fruit, ready to eat	432410454 995052		.20
White, yellow, spicecake with fruit, white icing, home frozen	432410554 135050		.10
White, yellow, spicecake with fruit, white icing, commercially frozen	432410554 315050		.10
White, yellow, spicecake with fruit, white icing, ready to eat	432410554 995050		.10
White, yellow, spicecake with fruit, chocolate icing, home frozen	432410654 135051		.10
White, yellow, spicecake with fruit, chocolate icing, commercially frozen	432410654 315051		.10
White, yellow, spicecake with fruit, chocolate icing, ready to eat	432410654 995051		.10
Chocolate or devils' food, not iced, home frozen	432420154 135052		.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Chocolate or devil's food, not iced, commercially frozen	432420154 315052	.20
Chocolate or devil's food, not iced, ready to eat	432420154 995052	.20
Chocolate or devil's food with white icing, home frozen	432420254 135050	.10
Chocolate or devil's food with white icing, commercially frozen	432420254 315050	.10
Chocolate or devil's food with white icing, ready to eat	432420254 995050	.10
Chocolate or devil's food with chocolate icing, home frozen	432420354 135051	.10
Chocolate or devil's food with chocolate icing, commercially frozen	432420354 315051	.10
Chocolate or devil's food with chocolate icing, ready to eat	432420354 995051	.10
Boston cream pie, home frozen	432430354 135051	.20
Boston cream pie, commercially frozen	432430354 315051	.20
Boston cream pie, ready to eat	432430354 995051	.20
Sponge or chiffon cake, home frozen	432430454 135052	.20
Sponge or chiffon cake, commercially frozen	432430454 315052	.20
Sponge or chiffon cake, ready to eat	432430454 995052	.20
Marble cake with icing, home frozen	432440154 135050	.20
Marble cake with icing, commercially frozen	432440154 315050	.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Marble cake with icing, ready to eat	432440154 995050	.20
Marble cake with chocolate icing, home frozen	432440254 135051	.20
Marble cake with chocolate icing, commercially frozen	432440254 315051	.20
Marble cake with chocolate icing, ready to eat	432440254 995051	.20
Poundcake, any kind, not iced, home frozen	432440354 135052	.30
Poundcake, any kind, not iced, commercially canned	432440354 205052	.30
Poundcake, any kind, not iced, commercially frozen	432440354 315052	.30
Poundcake, any kind, not iced, ready to eat	432440354 995052	.30
Poundcake, any kind, with white icing, home frozen	432440454 135050	.20
Poundcake, any kind, with white icing, commercially frozen	432440454 315050	.20
Poundcake, any kind,, with white icing, ready to eat	432440454 995050	.20
Poundcake, any kind, with chocolate icing, home frozen	432440554 135051	.20
Poundcake, any kind, with chocolate icing, commercially frozen	432440554 315051	.20
Poundcake, any kind, with chocolate icing, ready to eat	432440554 995051	.20
Poundcake, not iced, dietetic	432440654 995052	.30
Gingerbread, not iced, home frozen	432450154 135052	.30
Gingerbread, not iced, commercially frozen	432450154 315052	.30

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

**FLOUR EQUIVALENT--ENRICHED--continued**

**Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued**

Gingerbread, not iced, ready to eat	432450154 995052	.30
Gingerbread with white icing, home frozen	432450254 135050	.20
Gingerbread with white icing, commercially frozen	432450254 315050	.20
Gingerbread with white icing, ready to eat	432450254 995050	.20
Fruitcake, dark or light, home frozen	432460154 135052	.20
Fruitcake, dark or light, commercially canned	432460154 205052	.20
Fruitcake, dark or light, commercially frozen	432460154 315052	.20
Fruitcake, dark or light, ready to eat	432460154 995052	.20
Cake, not chocolate, cream filled, white icing, commercially frozen	432470154 315050	.20
Cake, not chocolate, cream filled, white icing, ready to eat	432470154 995050	.20
Cake, not chocolate, cream filled, chocolate icing, commercially frozen	432470254 315051	.20
Cake, not chocolate, cream filled, chocolate icing, ready to eat	432470254 995051	.20
Chocolate cake, cream filled, white icing, commercially frozen	432470354 315050	.10
Chocolate cake, cream filled, white icing, ready to eat	432470354 995050	.10
Chocolate cake, cream filled, chocolate icing, commercially frozen	432470454 315051	.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>FLOUR EQUIVALENT--ENRICHED--continued</b>			
Baked goods other than bread (including doughs and partially baked products) --continued			
Chocolate cake, cream filled, chocolate icing, ready to eat	432470454 995051		.10
Shortcake with fruit, home frozen	432470554 135000		.30
Shortcake with fruit, commercially frozen	432470554 315000		.30
Shortcake with fruit, ready to eat	432470554 995000		.30
Shortcake with fruit and whipped topping, commercially frozen	432470654 315000		.30
Shortcake with fruit and whipped topping, ready to eat	432470654 995000		.30
Whole wheat cake, with or without icing, home frozen	432480154 135100		.20
Whole wheat cake, with or without icing, commercially frozen	432480154 315100		.20
Whole wheat cake, with or without icing, ready to eat	432480154 995100		.20
Crumb cake, plain, home frozen	432480254 135052		.30
Crumb cake, commercially frozen	432480254 315052		.30
Crumb cake, ready to eat	432480254 995052		.30
Crumb cake, with fruit, home frozen	432480354 135052		.20
Crumb cake with fruit, commercially frozen	432480354 315052		.20
Crumb cake with fruit, ready to eat	432480354 995052		.20
Black sugar Chinese cake, ready to eat	432490154 995000		.20
Cream puffs, home frozen	432530154 135000		.10
Cream puffs, commercially frozen	432530154 315000		.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Cream puffs, ready to eat	432530154	995000	.10
Eclairs with chocolate icing, home frozen	432530254	135000	.10
Eclairs with chocolate icing, commercially frozen	432530254	315000	.10
Eclairs with chocolate icing, ready to eat	432530254	995000	.10
French pastry, Napoleon, home frozen	432530354	135000	.20
French pastry, Napoleon, commercially frozen	432530354	315000	.20
French pastry, Napoleon, ready to eat	432530354	995000	.20
Piecrust, ready to eat, home frozen	432540154	135000	.60
Piecrust, ready to eat	432540154	995000	.60
Piecrust, not baked, commercially frozen	432540254	315000	.60
Graham cracker crust	432540354	995100	.30
Brownies, home frozen	432610154	135052	.10
Brownies, commercially frozen	432610154	315052	.10
Brownies, ready to eat	432610154	995052	.10
Brownies with chocolate icing, home frozen	432610254	135051	.10
Brownies with chocolate icing, commercially frozen	432610254	315051	.10
Brownies with chocolate icing, ready to eat	432610254	995051	.10
Chocolate chip and chocolate flavored cookies, home frozen	432610354	135052	.20
Chocolate chip and chocolate flavored cookies, commercially frozen	432610354	315052	.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Chocolate chip and chocolate flavored cookies, ready to eat	432610354	995052	.20
Chocolate covered cookies, home frozen	432610454	135051	.20
Chocolate covered cookies, ready to eat	432610454	995051	.20
Peanut cookies, home frozen	432620154	135052	.20
Peanut cookies, ready to eat	432620154	995052	.20
Peanut and chocolate cookies, home frozen	432620254	135052	.20
Peanut and chocolate cookies, ready to eat	432620254	995052	.20
Coconut bars, home frozen	432620554	135052	.20
Coconut bars, ready to eat	432620554	995052	.20
Fig bars, home frozen	432630154	135052	.30
Fig bars, ready to eat	432630154	995052	.30
Fig bars with whole wheat, ready to eat	432630254	995152	.30
Raisin cookies, home frozen	432630354	135052	.30
Raisin cookies, ready to eat	432630354	995052	.30
Fruit filled cookies, home frozen	432630454	135052	.30
Fruit filled cookies other than raisin or fig	432630454	995052	.30
Pastry-type cookie with fruit, dietetic	432630554	995052	.60
Bean past cake (Monju), ready to eat	432630654	995052	.20
Oatmeal cookies, home frozen	432640154	135052	.40
Oatmeal cookies, ready to eat	432640154	995052	.40
Oatmeal cookies with chocolate chips, ready to eat	432640254	995052	.30
Oatmeal cookies with raisins, home frozen	432640354	135052	.30
Oatmeal cookies with raisins and/or nuts, ready to eat	432640354	995052	.30



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Granola cookies with or without soy protein	432640454	995052	.40
Butter cookies, thin, rich, home frozen	432650154	135052	.40
Butter cookies, thin, rich, ready to eat	432650154	995052	.40
Shortbread, home frozen	432650254	135052	.50
Shortbread, ready to eat	432650254	995052	.50
Sugar cookies, soft, home frozen	432650354	135052	.40
Sugar cookies, soft, ready to eat	432650354	995052	.40
Sugar wafers, home frozen	432650454	135052	.40
Sugar wafers, ready to eat	432650454	995052	.40
Assorted cookies, ready to eat	432650554	995000	.40
Sandwich type cookies, home frozen	432650654	135000	.40
Sandwich type cookies, ready to eat	432650654	995000	.40
Molasses cookies, home frozen	432650754	135052	.40
Molasses cookies, ready to eat	432650754	995052	.40
Gingersnaps, home frozen	432650854	135052	.40
Gingersnaps, ready to eat	432650854	995052	.40
Teething biscuit	432650954	615052	.60
Vanilla wafers, ready to eat	432651054	995052	.40
Animal crackers	432651154	995052	.40
Arrowroot cookies for babies	432651254	615052	.60
Spanish cookies, ready to eat	432651354	995000	.40
Graham crackers, plain	432660154	995152	.60
Graham crackers, sugar- honey-coated	432660354	995150	.60
Graham crackers, chocolate coated	432660454	995151	.50
Chocolate chip cookies, without salt	432670154	995052	.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Oatmeal cookies, without salt, ready to eat	432670254	995052	.40
Diet wafers, enriched	432670354	995052	.40
Diet chocolate cookies, ready to eat	432670454	995052	.40
Diet sandwich-type cookies, ready to eat	432670554	995052	.40
Cookies without fat (not diet), ready to eat	432680154	995052	.40
Sweet rolls, home frozen	432710154	135000	.40
Sweet rolls, commercially frozen	432710154	315000	.40
Sweet rolls, ready to eat	432710154	995000	.40
Raisin rolls or buns, home frozen	432710254	135000	.40
Raisin rolls or buns, commercially frozen	432710254	315000	.40
Raisin rolls or buns, ready to eat	432710254	995000	.40
Coffeecake, home frozen	432710354	135000	.30
Coffeecake, commercially frozen	432710354	315000	.30
Coffeecake, ready to eat	432710354	995000	.30
Coffeecake with fruit, home frozen	432710454	135000	.30
Coffeecake with fruit, commercially frozen	432710454	315000	.30
Coffeecake with fruit, ready to eat	432710454	995000	.30
Spanish coffee bread, enriched (Mallorca)	432710554	995000	.60
Danish pastry, home frozen	432720154	135000	.30
Danish pastry, commercially frozen	432720154	315000	.30
Danish pastry, ready to eat	432720154	995000	.30
Breakfast toaster pastries	432730154	995000	.30
Breakfast bars	432730254	995000	.40
Breakfast bars with granola	432730354	995000	.40
Breakfast bars, low calorie	432730454	995000	.40
Ricemeal buns, ready to eat	432740154	995000	.30

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Doughnuts, cake type, home frozen	432810154	135000	.40
Doughnuts, cake type, commercially frozen	432810154	315000	.40
Doughnuts, cake type, ready to eat	432810154	995000	.40
Doughnuts, cake type, chocolate, home frozen	432810254	135000	.40
Doughnuts, cake type, chocolate, commercially frozen	432810254	315000	.40
Doughnuts, cake type, chocolate, ready to eat	432810254	995000	.40
Doughnuts, yeast type, home frozen	432810354	135000	.50
Doughnuts, yeast type, commercially frozen	432810354	315000	.50
Doughnuts, yeast type, ready to eat	432810354	995000	.50
Wheat snacks with or without cheese	432920154	995000	.90
Multigrain snack mixture	432920554	995000	.60
Blintzes, home frozen	432930154	135000	.10
Blintzes, commercially frozen	432930154	315000	.10
Blintzes, ready to eat	432930154	995000	.10
Blintzes with fruit, home frozen	432930254	135000	.10
Blintzes with fruit, commercially frozen	432930254	315000	.10
Blintzes with fruit, ready to eat	432930254	995000	.10
Ice cream cones (cones only)	432940154	995000	.40
Roll dough, home frozen	433210154	125000	.50
Roll dough, commercially frozen	433210254	305000	.50
Roll dough, refrigerated	433210254	995000	.50
Biscuit dough, home frozen	433310154	125000	.50

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Biscuit dough, commercially frozen	433310254 305000	.50
Biscuit dough, refrigerated	433310254 995000	.50
Muffin batter, home frozen	433320154 125000	.40
Muffin batter, commercially frozen	433320254 305000	.40
Blueberry muffin batter, home frozen	433320354 125000	.30
Blueberry muffin batter, commercially frozen	433320454 305000	.30
Pancake batter, home frozen	433330154 125000	.30
Pancake batter, commercially frozen	433330254 305000	.30
Blueberry pancake batter, home frozen	433330354 125000	.30
Blueberry pancake batter, commercially frozen	433330454 305000	.30
Piecrust dough, home frozen	433410154 125000	.50
Piecrust dough, commercially frozen	433410254 305000	.50
Patty shells, dough form, commercially frozen	433410354 305000	.50
Chocolate chip cooky dough, home frozen	433510154 125000	.20
Chocolate chip cooky dough, commercially frozen	433510154 305000	.20
Chocolate chip cooky dough, refrigerated	433510254 995000	.20
Chocolate cooky dough, home frozen	433510354 125000	.20
Chocolate cooky dough, refrigerated	433510454 995000	.20
Sugar cooky dough, home frozen	433520154 125000	.40
Sugar cooky dough, commercially frozen	433520154 305000	.40
Sugar cooky dough, refrigerated	433520254 995000	.40
Peanut butter cooky dough, home frozen	433530154 125000	.30

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Peanut butter cooky dough, commercially frozen	433530154	305000	.30
Peanut butter cooky dough, refrigerated	433530254	995000	.30
Oatmeal cooky dough, home frozen	433540154	125000	.40
Oatmeal cooky dough, commercially frozen	433540154	305000	.40
Oatmeal cooky dough, refrigerated	433540254	995000	.40
Sweet roll dough, home frozen	433610154	125000	.30
Sweet roll dough, commercially frozen	433610254	305000	.30
Sweet roll dough, refrigerated	433610254	995000	.30
Raisin roll dough, home frozen	433610354	125000	.50
Raisin roll dough, commercially frozen	433610454	305000	.50
Raisin roll dough, refrigerated	433610454	995000	.50
Turnover dough, commercially frozen	433610554	305000	.80
Coffeecake dough, home frozen	433620154	125000	.30
Coffeecake dough, commercially frozen	433620154	305000	.30
Coffeecake dough, refrigerated	433620254	995000	.30
Danish pastry dough, home frozen	433630154	125000	.30
Danish pastry dough, commercially frozen	433630254	305000	.30
Danish pastry dough, refrigerated	433630254	995000	.30
Doughnut dough, home frozen	433710154	125000	.40
Doughnut dough, commercially frozen	433710154	305000	.40

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Doughnut dough, refrigerated	433710254 995000		.40
Noodle dough, refrigerated	433810154 995000		.50
Apple, pineapple, pear pie, ready to eat (include turnovers, strudels, dumplings)	432510158 995000		.20
Apple, pineapple, pear pie, home frozen	432510258 125000		.20
Apple, pineapple, pear pie, commercially frozen	432510258 305000		.20
Blueberry, blackberry, raspberry pie, ready to eat	432510358 995000		.20
Blueberry, blackberry, raspberry pie, home frozen	432510458 125000		.20
Blueberry, blackberry, raspberry pie, commercially frozen	432510458 305000		.20
Cherry, apricot, peach pie, ready to eat	432510558 995000		.20
Cherry, apricot, peach pie, home frozen	432510658 125000		.20
Cherry, apricot, peach pie, commercially frozen	432510658 305000		.20
Mince or raisin pie, ready to eat	432510758 995000		.20
Mince or raisin pie, home frozen	432510858 125000		.20
Mince or raisin pie, commercially frozen	432510858 305000		.20
Rhubarb, strawberry-rhubarb pie, ready to eat	432510958 995000		.20
Rhubarb, strawberry-rhubarb pie, home frozen	432511058 125000		.20
Rhubarb, strawberry-rhubarb pie, commercially frozen	432511058 305000		.20

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Strawberry pie, ready to eat	432511158	995000	.10
Strawberry pie, home frozen	432511258	125000	.10
Strawberry pie, commercially frozen	432511258	305000	.10
Plum pie, ready to eat	432511358	995000	.20
Plum pie, home frozen	432515158	125000	.20
Plum pie, commercially frozen	432515258	305000	.20
Chiffon and other pies with whipped filling, home frozen	432520158	135000	.10
Chiffon and other pies with whipped filling, commercially frozen	432520158	315000	.10
Chiffon and other pies with whipped filling, ready to eat	432520158	995000	.10
Chocolate cream pie, home frozen	432520258	135000	.10
Chocolate cream pie, commercially frozen	432520258	315000	.10
Chocolate cream pie, ready to eat	432520258	995000	.10
Cream and other pies with pudding filling, home frozen	432520358	135000	.10
Cream and other pies with pudding filling, commercially frozen	432520358	315000	.10
Cream and other pies with pudding filling, ready to eat	432520358	995000	.10
Meringue pies, all flavors, home frozen	432520458	135000	.10
Meringue pies, all flavors, commercially frozen	432520458	315000	.10
Meringue pies, all flavors, ready to eat	432520458	995000	.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Baked goods other than bread  
(including doughs and  
partially baked products)  
--continued

Pecan, shoofly, chess pies, home frozen	432520558 135000	.10
Pecan, shoofly, chess pies, commercially frozen	432520558 315000	.10
Pecan, shoofly, chess pies, ready to eat	432520558 995000	.10
Pumpkin, sweetpotato pies, ready to eat	432520658 995000	.10
Pumpkin, sweetpotato pies, home frozen	432520758 135000	.10
Pumpkin, sweetpotato pies, commercially frozen	432520758 315000	.10
Chocolate chiffon pie, home frozen	432520858 135000	.10
Chocolate chiffon pie, commercially frozen	432520858 315000	.10
Chocolate chiffon pie, ready to eat	432520858 995000	.10

Mixtures (other than baby  
food) mostly grain

Ravioli, filling not specified, ready to eat	581210458 015000	.30
Meatless sandwich, ready to eat	581210558 015000	.30
Submarine sandwich, ready to eat	581210658 015000	.30
Pastry or dough filled with meat, ready to eat	581210858 015000	.50
Macaroni and cheese, ready to eat	581220158 015000	.20
Macaroni salad, ready to eat	581220258 015000	.30
Spaghetti with tomato sauce, ready to eat	581220358 015000	.20
Spaghetti with meat balls, ready to eat	581220458 015000	.10



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Mixtures (other than baby  
food) mostly grain

Noodle mixtures, ready to eat	581220658 015000	.10
Rice with poultry, ready to eat	581220958 015000	.10
Rice with fish, ready to eat	581221058 015000	.10
Raisin bread pudding, ready to eat	581240258 015000	.20
Macaroni and cheese, home frozen	582210158 135000	.20
Macaroni and cheese, commercially canned	582210158 205000	.20
Macaroni and cheese, commercially frozen	582210158 315000	.20
Macaroni salad, commercially canned	582210258 205000	.30
Spaghetti with tomato sauce, commercially canned	582210358 205000	.20
Spaghetti with tomato sauce, commercially frozen	582210358 315000	.20
Spaghetti with meat, cooked, home frozen	582210458 135000	.10
Spaghetti with meat, commercially canned	582210458 205000	.10
Spaghetti with meat, commercially frozen	582210458 315000	.10
Spaghetti with meat sauce, dietetic, commercially canned	582210558 255000	.10
Ravioli with meat filling, commercially canned	582210658 205000	.30
Pastry or dough filled with meat, commercially frozen	582220658 305000	.50
Rice with vegetables, commercially canned	582230358 205000	.10
Rice with vegetables, commercially frozen	582230358 315000	.10
Pizza, with cheese, dry mix	583210158 995000	.40
Pizza with meat and cheese, dry mix	583210258 995000	.50

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--ENRICHED--continued

Mixtures (other than baby  
food) mostly grain

Egg noodle with chicken dinner, dry mix	583210358	995000	.70
Lasagna dinner, dry mix	583210458	995000	.30
Noodles with sauce, dry mix	583210558	995000	.70
Main dish mix with noodles	583220158	995000	.70
Main dish mix with macaroni or lasagna	583220258	995000	.60
Macaroni and cheese dinner, dry mix	583230158	995000	.80
Spaghetti dinner, dry mix	583230258	995000	.80
Spaghetti dinner with meat sauce, dry mix	583230358	995000	.30
Wheat pilaf, dry mix	583240158	995000	.80

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

**FLOUR EQUIVALENT--UNENRICHED**

**Prepared mixes**

Pancake mix, low calorie	422110561	996000	.80
Pancake mix, wheat and soybean flour	422110861	996000	.80
Angelfood cake mix	422311961	996000	.30
Honey cake mix	422312161	996000	.40
Potato flour mix	422610661	996000	.50

**Cereals**

Wheat germ, with sugar and honey	423220762	996000	.80
White rice, cooked	424110562	016000	.30
Fried rice, commercially canned	424110662	206000	.30
Fried rice, commercially frozen	424110762	316000	.30
Rice Fries, commercially frozen	424111162	316000	.20
Mochi, ready to eat	424120162	996000	.30
Nut substitute, wheat germ base	571160362	996000	.40

**Bread**

White bread, home frozen	431110263	136000	.60
White bread, commercially frozen	431110263	316000	.60
White bread	431110263	996000	.60
White bread, low calorie	431110463	996000	.60
Italian or Grecian bread, commercially frozen	431120263	316000	.60
Italian or Grecian bread	431120263	996000	.60
French or Vienna bread, commercially frozen	431130263	316000	.60
French or Vienna bread	431130263	996000	.60
French or Vienna bread, without fat or sugar	431130363	996000	.60
Egg bread, cheese bread	431140263	996000	.60
Salt rising bread	431140663	996000	.60
Rice bread, home frozen	431360163	136000	.60
Rice bread, ready to eat	431360163	996000	.60
Seasoned coatings for meat, poultry, and fish	431380363	996000	.80

Food	Food	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--UNENRICHED--continued

Bread

Flour tortillas, home frozen	431381063	126000	.90
Flour tortillas, commercially canned	431381063	206000	.90
Flour tortillas, commercially frozen	431381063	306000	.90
Flour tortillas, fresh	431381063	996000	.90

Baked goods

Chow mein noodles, canned	432120364	206000	.90
Chow mein noodles, commercially frozen	432120364	316000	.90
Chow mein noodles, ready to eat	432120364	996000	.90
Angelfood, plain, home frozen	432430164	136052	.20
Angelfood, plain, commercially frozen	432430164	316052	.20
Angelfood, plain, ready to eat	432430164	996052	.20
Angelfood with white icing, home frozen	432430264	136050	.20
Macaroons, home frozen	432620364	136052	.30
Macaroons, ready to eat	432620364	996052	.30
Macaroons, chocolate, home frozen	432620464	136052	.20
Macaroons, chocolate, ready to eat	432620464	996052	.20
Cookies made with matzo meal, ready to eat	432660264	996052	.40
Japanese tea cookies	432680264	996052	.30
Corn snacks with or without cheese	432920264	996000	.90
Corn snacks with corn sirup and peanuts	432920364	996000	.60
Onion-flavored rings, food starch base	432920664	996000	.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--UNENRICHED--continued

Ready to eat or heat soups,  
mostly grain

Beef noodle, not canned	561210168 010030	.10
Beef noodle, home canned	561210168 110030	.10
Beef noodle, home frozen	561210168 130030	.10
Beef noodle, commercially canned	561210168 200030	.10
Chicken noodle, not canned	561210268 010030	.10
Chicken noodle, home frozen	561210268 130030	.10
Chicken noodle, commercially canned	561210268 200030	.10
Chicken rice, not canned	561210368 010030	.10
Chicken rice, home frozen	561210368 130030	.10
Chicken rice, commercially canned	561210368 200030	.10
Turkey noodle, not canned	561210468 010030	.10
Turkey noodle, commercially canned	561210468 200030	.10
Vegetable noodle, not canned	561210568 010030	.10
Vegetable noodle, home frozen	561210568 130030	.10
Noodle, not canned	561210668 010030	.10
Noodle, home frozen	561210668 130030	.10
Noodle, commercially canned	561210668 200030	.10
Noodle vegetable, not canned	561210768 010030	.10
Noodle vegetable, home frozen	561210768 130030	.10
Noodle vegetable, commercially canned	561210768 200030	.10
Rice, commercially canned	561210868 200030	.10
Chicken with rice, chunky, commercially canned	561210968 200030	.10
Oriental noodle, not canned	561211068 016000	.20
Chicken noodle, diet, commercially canned	561220168 250030	.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--UNENRICHED--continued

Condensed, semicondensed soups

Beef noodle, commercially canned	562210168 200031	.10
Chicken noodle, commercially canned	562210268 200031	.10
Chicken with rice, commercially canned	562210368 200031	.10
Turkey noodle, commercially canned	562210468 200031	.10
Vegetable noodle, commercially canned	562210568 200031	.10

Frozen condensed soups

Wonton noodle, commercially frozen	563210168 310031	.10
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Ready to eat frozen soups

Oriental noodle, commercially frozen	564210168 316030	.20
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Dry or dehydrated soups

Beef noodle	565210168 400032	.70
Chicken noodle	565210268 400032	.70
Chicken rice	565210368 400032	.70
Vegetable noodle	565210468 400032	.70

Mixtures (other than baby  
food), mostly grain

Meat substitute, commercially canned	447120168 200000	.50
Pizza with no meat, ready to eat or refrigerated	581210168 996000	.30
Pizza with cheese and meat, ready to eat or refrigerated	581210268 996000	.20
Pizza dough, sauce, cheese, refrigerated	581210368 996000	.20
Egg rolls, ready to eat	581210768 016000	.20
Spanish rice, ready to eat	581220568 016000	.10

Food	PLU Code	Code	Conversion factors for food groupings	
			Market	Nutrition

FLOUR EQUIVALENT--UNENRICHED--continued

Mixtures (other than baby  
food) mostly grain--  
continued

Rice pudding, ready to eat	581220768	016000		.10
Tacos, ready to eat	581230168	016000		.90
Scrapple, refrigerated	581230268	016000		.30
Ravioli with cheese filling, commercially canned	582210768	206000		.30
Ravioli, home frozen	582210868	136000		.30
Ravioli filled with cheese, commercially frozen	582210868	316000		.30
Ravioli filled with meat, home frozen	582210968	136000		.30
Ravioli filled with meat, commercially frozen	582210968	316000		.30
Pizza with no meat, commercially frozen	582220168	306000		.30
Pizza with meat and cheese, commercially frozen	582220268	306000		.20
French bread pizza with no meat, commercially frozen	582220368	316000		.30
French bread pizza with meat and cheese, commercially frozen	582220468	316000		.20
Egg rolls, commercially frozen	582220568	316000		.20
Spanish rice, commercially canned	582230168	206000		.10
Spanish rice, commercially frozen	582230168	316000		.10
Spanish rice, low sodium and low calorie, commercially canned	582230268	256000		.10
Rice with fish, commercially canned	582230568	206000		.10
Rice with poultry, commercially canned	582230668	206000		.10
Rice with poultry, commercially frozen	582230668	316000		.10
Noodle mixtures, commercially canned	582240168	206000		.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

FLOUR EQUIVALENT--UNENRICHED--continued

Mixtures (other than baby  
food) mostly grain--  
continued

Noodle mixtures, commercially frozen	582240168	316000	.10
Noodle mixtures, dietetic, commercially canned	582240268	256000	.10
Noodles N' Beef in cream sauce, commercially canned	582240368	206000	.10
Tamales, enchiladas with chili sauce, commercially canned	582250168	206000	.10
Tacos, commercially frozen	582250268	316000	.90
Weight Watchers Italian Cassaroles, commercially frozen	582290768	316000	.10
Oriental noodles with soup base, dry mix	583210668	996000	.90
Oriental noodles with pickled vegetables	583210768	996000	.70
Main dish mix with rice	583220368	996000	.70
Taco dinner, dry mix	583230468	996000	.20

Baby or junior food mixtures,  
mostly grain

Chicken noodle dinner	584210168	600000	.10
Macaroni, tomatoes, beef	584210268	600000	.10
Egg noodles and beef	584210368	600000	.10
Cereal, egg yolks, and bacon	584210468	600000	.20
Macaroni and cheese	584210568	600000	.20

Mixtures, canned, frozen

Noodles and poultry dinner with dessert	582240469	316000	.10
Spaghetti or macaroni dinner, no dessert	582290169	316000	.10
Spaghetti or macaroni dinner, with dessert	582290269	316000	.10



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

**FLOUR EQUIVALENT--UNENRICHED--continued**

**Mixtures, canned, frozen--  
continued**

Lasagna dinner, no dessert	582290369	316000	.10
Lasagna dinner, with dessert	582290469	316000	.10
Lasagna luncheon (entree)	582290569	316000	.10
Pancakes with sausage	582290869	316000	.30
French toast with sausage	582290969	316000	.30

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

EGG FRESH EQUIVALENT

Eggs

Fresh, not in shell, yolks	461210121	100000	1.10	1.10
Fresh, not in shell, whites	461220121	100000	1.10	1.10
Fresh, not in shell, yolks and whites mixed	461230121	100000	1.10	1.10
Hard cooked, not in shell, any size	461240121	010000	1.10	1.10
Dried, whole	462120121	400000	4.40	4.40
Dried, yolks	462120221	400000	2.50	2.50
Dried, whites	462120321	400000	8.80	8.80
Frozen, whole	462130121	300000	1.10	1.10
Frozen, whites	462130221	300000	1.10	1.10
Frozen, yolks	462130321	300000	1.10	1.10
Yolk, baby and junior, commercially canned	462140121	600000	1.10	1.10

Egg substitute

With egg whites, liquid, fresh	462210121	100000	1.10	1.10
With egg whites, commercially frozen	462220121	300000	1.10	1.10
With whole egg, commercially frozen	462220221	300000	.50	.50
With egg whites, powdered	462230121	400000	8.20	8.20
With whole egg solids, powdered	462230221	400000	4.40	4.40

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>SUGAR EQUIVALENT</b>			
Ready to drink teas, fruit ades, punches, drinks, or nectars			
Tea mix with sugar and lemon, powdered	552310282 400000		.90
Lemonade, fresh	555110182 100000		.10
Lemonade, commercially canned	555110182 200000		.10
Limeade, commercially canned	555110282 200000		.10
Orangeade, fresh	555110382 100000		.10
Orangeade, commercially canned	555110382 200000		.10
Ades, punches, drinks, with sugar, fresh	555120182 100000		.10
Ades, punches, drinks, with sugar, commercially canned	555120182 200000		.10
Ades, punches, drinks, no sugar, commercially canned	555120282 200000		.10
Baby ades, punches, drinks, commercially canned	555120382 600000		.10
Apricot nectar, home canned	555130182 110000		.10
Apricot nectar, commercially canned	555130182 200000		.10
Peach nectar, commercially canned	555130282 200000		.10
Pear nectar, commercially canned	555130382 200000		.10
Guava nectar, fresh	555130482 100060		.10
Guava nectar, commercially canned	555130482 200060		.10
Mango nectar, commercially canned	555130582 200060		.10
Passion fruit nectar or drink, fresh	555131482 100000		.10
Passion fruit nectar or drink, commercially canned	555131482 200000		.10
AM (Mott's), commercially canned	555140182 200000		.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>SUGAR EQUIVALENT--continued</b>			
Ready to drink teas, fruit ades, punches, drinks, or nectars--continued			
Imitation drinks (with no fruit juice)			
commercially canned	555150182 200000		.10
Lemonade, concentrated, commercially canned	555210182 200000		.50
Ades, punches, drinks, with sugar, commercially canned	555220182 200000		.50
Ades, punches, drinks, no sugar, concentrated, commercially canned	555220282 200000		.00
Lemonade, concentrated, commercially frozen	555310182 300000		.50
Limeade, concentrated, commercially frozen	555310282 300000		.50
Ades, punches, drinks with sugar, concentrated, commercially frozen	555320182 300000		.50
Ades, punches, drinks, no sugar, concentrated, commercially frozen	555320282 300000		.00
Imitation breakfast drinks, concentrated, commercially frozen	555320382 300000		.50
Guava nectar, concentrated, commercially frozen	555320482 300000		.40
Imitation breakfast drinks, powdered	555410182 400000		.90
Ades, punches, drinks, with sugar, powdered	555410282 400000		.90
Ades, punches, drinks, no sugar, powdered	555510182 400000		.00
<b>Miscellaneous sweets</b>			
Gelatin dessert powder, all flavors (sweet)	475110283 400000		.90
Pudding mix, all flavors except chocolate, regular	475110383 400000		.60
Pudding mix, chocolate flavors, regular	475110483 400000		.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

SUGAR EQUIVALENT--continued

Miscellaneous sweets--continued

Pudding mix, all flavors except chocolate, instant	475110583 400000	.60
Pudding mix, chocolate flavors, instant	475110683 400000	.60
Junket mix with sugar and flavorings, no chocolate	475110983 400000	.60
Junket mix, with sugar and chocolate flavorings	475111083 400000	.60
Jello, Whip N' Chill Mix	475111183 400000	.90
Egg custard, dry	475111283 400000	.60
Gelled dessert mix, low protein, dry	475120283 400000	.90
Gelatin dessert, all flavors, plain, ready to eat, commercial	475210183 990000	.10
Gelatin dessert, all flavors (with fruit) ready to eat	475210283 990000	.10
Pudding, N.S. or low milk content, no chocolate, commercially canned	475220383 200000	.10
Pudding, ready to eat, N.S. or low milk content, no chocolate	475220383 990000	.10
Pudding, ready to eat, N.S. or low milk content, chocolate	475220483 990000	.20
Fruit ices, all flavors	475310183 300000	.30
Icing mix, all flavors, except chocolate, creamy, dry	475410183 400000	.90
Icing mix, all chocolate flavors, creamy, dry	475410283 400000	.70
Icing mix, all flavors except chocolate, fluffy, dry	475410383 400000	.90
Icing mix, all chocolate flavors, fluffy, dry	475410483 400000	.70
Icing, ready to use, creamy, not chocolate, commercially canned	475420183 200000	.80
Icing, ready to use, creamy, chocolate, commercially canned	475420283 200000	.60

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>SUGAR EQUIVALENT--continued</b>			
<b>Miscellaneous sweets--continued</b>			
Icing, ready to use, fluffy, not chocolate, commercially canned	475420383 200000		.80
Cake decorating gel, ready to use, all flavors	475420583 990000		.40
Meringue shells (with sugar)	475510583 990000		.50
<b>Beverages</b>			
Coffee, instant, with sugar and nondairy creamer	551510183 400000		.60
Tea mix, with sugar, powdered	552310183 400000		.90
Iced tea, with sugar, ready to drink	552330183 100000		.00
Iced tea, with sugar, ready to drink, commercially canned	552330183 200000		.00
Iced tea, with sugar, concentrated, commercially frozen	552340183 300000		.10
Cocoa with sugar (does not contain dry milk)	553110283 990000		.80
<b>Soft drinks</b>			
Cola type, canned or bottled	554110183 990000		.10
Fruit type, canned or bottled	554120183 990000		.10
Ginger ale, pale dry or golden	554140183 990000		.10
Quinine water	554140283 990000		.10
Root beer	554140483 990000		.10

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>POTATO FRESH EQUIVALENT</b>			
<b>Fresh white potatoes</b>			
Whole or cut up, peeled	481110231 103041		1.20
Whole or cut up, peeled, home canned	481110431 113041		1.10
<b>Commercially canned white potatoes</b>			
Whole or cut up	482110131 203041		1.10
Potato pancakes	482110231 203041		1.10
<b>Commercially frozen white potatoes</b>			
French fries	483110131 303041		2.50
Plain, raw	483120131 303041		1.20
Mashed	483120231 303041		1.10
Puffs	483120331 303041		2.00
Scalloped or au gratin	483120431 303040		.70
Buttered	483120531 303041		1.20
Hash brown, buttered, with vegetables	483120631 303041		2.20
Baked	483120731 303141		1.10
Potato pancakes	483120831 303041		1.10
<b>Dehydrated white potatoes</b>			
No dried milk	484110131 413041		7.10
With dried milk	484110231 413040		7.10
Potato pancake mix	484110331 413041		6.90
<b>Chips, sticks, and potato salad</b>			
Potato chips	485110131 993041		4.10
Potato chips, extruded and artificially shaped	485110231 993041		4.10
Potato sticks, commercially canned	485110331 203041		4.10
Potato sticks	485110331 993041		4.10
Potato salad, commercially canned	485120131 203041		.80

Food	Code	Conversion factor for food groupings	
		Market	Nutrition

POTATO FRESH EQUIVALENT--continued

Chips, sticks, and potato  
salad--continued

Potato salad, commercially frozen	485120131 313041	.80
Potato salad, commercially prepared	485120131 993041	.80
Potatoes, whole or cut up, with sauce, cooked	485120231 013040	.70
Potatoes, whole or cut up, without sauce, cooked	485120231 013041	1.10
Potatoes, with sauce, cooked, home frozen	485120231 133040	.70
Potatoes, without sauce, cooked, home frozen	485120231 133041	1.10
Potatoes, french fries, commercially prepared	485120331 013041	3.20
Potatoes with vegetables, cooked	485120431 013041	2.20

Soup, mostly potato

Cream of potato, condensed, commercially canned	562610931 200031	.60
Cream of potato, condensed, commercially frozen	563610131 310031	.60
Potato soup, dry	565610631 400032	5.00



Food	Code	Conversion factors for food groupings	
		Market	Nutrition

**JUICE EQUIVALENT**

**Fresh citrus fruit**

Grapefruit	501110141 100000	.50	.50
Lemons	501210141 100000	.30	.30
Limes	501220141 100000	.30	.30
Oranges, not temple	501310141 100000	.50	.50
Tangerines	501410141 100000	.40	.40
Tangelos	501440141 100000	.40	.40
Temple oranges	501450141 100000	.40	.40
Naranjas	501460141 100000	.50	.50
Mixed citrus fruit	501460241 100000	.40	.40

**Frozen fruit juice  
(concentrated)**

Orange juice, no sugar, commercially frozen	534110141 300071	3.70	3.70
Grapefruit juice, no sugar, commercially frozen	534120141 300071	4.20	4.20
Grapefruit-orange juice, no sugar, commercially frozen	534120541 300071	4.00	4.00
Tangerine juice, no sugar, commercially frozen	534120641 300071	3.70	3.70
Pineapple-orange juice, commercially frozen	534120841 300071	3.80	3.80
Orange-banana juice, commercially frozen	534120941 300071	3.80	3.80
Pineapple-grapefruit juice, commercially frozen	534121041 300071	4.10	4.10
Lime juice, no sugar commercially frozen	534121141 300071	4.90	4.90
Grape juice, with sugar, commercially frozen	534210143 300071	3.50	
Pineapple juice, without sugar, commercially frozen	534220143 300071	4.00	
Apple juice, cider, without sugar, commercially frozen	534220243 300071	4.00	

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

JUICE EQUIVALENT<sup>2</sup>--continued

Frozen vegetable juice  
(concentrated)

Tomato juice cocktail, commercially frozen	532110234 300000	4.00
Mixed vegetable juice, commercially frozen	532210335 300000	4.00
Carrot juice, commercially frozen	532210433 300000	4.00

Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>LEGUME DRY WEIGHT</b>			
<b>Ready to use</b>			
Chinese long rice	424311122 990000		.20
Bean curd (tofu), fresh	494820422 103041		.30
Soybean paste	494820522 990000		.20
<b>Commercially canned</b>			
Baked beans	511420122 200041		.30
Beans, red	511420222 200041		.40
Beans, white	511420322 200041		.30
Beans, lima, mature	511420422 200041		.40
Peas, blackeye, mature	511420522 200041		.40
Peas, chick, garbanzos	511420622 200041		.40
Peas, split	511420722 200041		.30
Lentils	511420922 200041		.40
Red or white kidney beans	511421122 200041		.40
Pigeon peas, mature-- granules secos en agua	511421522 200000		.20
Fermented soybeans	511421622 200041		.40
Bean paste	511421722 200000		.20
Bean curd sauce or cheese, fermented	511421822 200041		.20
<b>Commercially frozen</b>			
Baked beans with pork	521372122 300041		.30
Beans other than white, dry	521372322 310041		.40
<b>Dry</b>			
Lima beans, cooked	541110222 010000		.40
Lima beans, home canned	541110222 110000		.40
White beans, cooked	541120222 010000		.30
White beans, home canned	541120222 110000		.30
Pinto beans, home canned	541130822 110000		.40
Red Mexican beans, home canned	541130922 110000		.40
Calico beans, home canned	541131022 110000		.40
Bayo beans, home canned	541131122 110000		.40
Black beans, home canned	541131222 110000		.40
Brown beans, home canned	541131322 110000		.40
Kidney beans, home canned	541131422 110000		.40

Food	Code	Conversion factors for food groupings	
		Market	Nutrition

LEGUME DRY WEIGHT--continued

Dry--continued

Beans other than white, cooked	541131522 010000	.40
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Beans other than white, home frozen	541131522 130000	.40
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Other

Baked beans, cooked	541150122 010000	.30
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Baked beans, home canned	541150122 110000	.30
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Baked beans, home frozen	541150122 130000	.30
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Split peas, dry, cooked	541210222 010000	.30
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Cowpeas or blackeye peas, dry, home canned	541230222 110000	.40
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Food	Code	Conversion factors for food groupings	
		Market	Nutrition
<b>NUTS, SHELLED WEIGHT</b>			
Peanuts in shell, not roasted	571110123 993183	.70	.70
Peanuts in shell, roasted	571110223 993181	.70	.70
Almonds in shell, not roasted	571130123 993183	.50	.50
Beechnuts in shell, not roasted	571130223 993183	.60	.60
Brazil nuts in shell, not roasted	571130323 993183	.50	.50
Butternuts in shell, not roasted	571130423 993183	.10	.10
Chestnuts in shell, not roasted	571130523 993183	.80	.80
Coconut in shell, not roasted	571130623 993183	.50	.50
Filberts in shell, not roasted	571130723 993183	.50	.50
Hickory nuts in shell, not roasted	571130823 993183	.40	.40
Macadamia nuts in shell, not roasted	571130923 993183	.30	.30
Mixed nuts in shell, not roasted	571131023 993183	.50	.50
Pecans in shell, not roasted	571131123 993183	.50	.50
Pilinuts in shell, not roasted	571131223 993183	.20	.20
Pinon nuts in shell, not roasted	571131323 993183	.60	.60
Pistachio nuts in shell, not roasted	571131423 993183	.50	.50
Pumpkin, squash seed in shell, not roasted	571131523 993183	.70	.70
Sunflower seeds in shell, not roasted	571131623 993815	.50	.50
Walnuts, black, in shell, not roasted	571131723 993183	.20	.20
Walnuts, English or Persian, in shell, not roasted	571131823 993183	.40	.40
Coconut milk, commercially canned	571170123 200000	.50	.50