Master Mix

Breads					Grains/Breads	B-
Ingredients	50 Servings		100 Servings		Directions	
ingreulents	Weight	Measure	Weight	Measure		
Enriched all-purpose flour	5 lb 4 oz	1 gal 3 ¼ cups	10 lb 8 oz	2 gal 1 % qt	 Place flour, baking powder, salt, cream of tartar, and dry milk in a mixing bowl. Mix with paddle attacment for 3 minutes on low speed. 	
Baking powder	4 ¾ oz	²⁄₃ cup	9 ½ oz	1 ⅓ cup		
Salt		2 Tbsp	2 % oz	1⁄4 cup		
Cream of tartar		1 Tbsp 1 ½ tsp		3 Tbsp		
Instant nonfat dry milk	6 oz	2 ½ cups	12 oz	1 qt 1 cup		
Shortening	1 lb 5 oz	3 cups 2 Tbsp	2 lb 10 oz	1 qt 2 ¼ cups	 Add shortening to dry ingredients and mix with paddle attachment for 5 minutes on low speed, or until evenly distributed. Mixture will be crumbly. 	
					 Store in tightly covered container, in the refrigerator. 	
					4. Use Master Mix in recipes.	

SERVING:	YIELD:		VOLUME:	
1/2 cup (See individual alternate recipes that use Master Mix)	50 Servings:	7 lb 6 oz	50 Servings:	1 gallon 2 ¼ quarts

100 Servings: 14 lb 12 oz

100 Servings: 3 gallons 2 cups

Edited 2004

Special Tip:

A 10-qt mixer may be used to produce 1 gal 2 ¹/₄ qt of Master Mix. A 20-qt mixer may be used to produce 3 gal of Master mix.

Cooking Macaroni, Noodles, and Spaghetti

/Breads					Grains/Breads	В
Ingredients	50	Servings	100	Servings	Directions	
ingredients	Weight	Measure	Weight	Measure		
Water, boiling		5 gal		10 gal	1. Add salt to boiling water.	
Salt		2 Tbsp 2 tsp	3 ½ oz	⅓ cup		
Enriched elbow macaroni OR Enriched noodles, ¾ inch or wider	2 lb 10 oz OR 2 lb 8 oz	2 qt 1 ¼ cups OR 1 gal 3 ½ qt	5 lb 4 oz OR 5 lb	1 gal 2 ½ cups OR 3 gal 3 qt	 Slowly stir in macaroni, noodles, or spaghetti until water boils again. 	
OR Enriched spaghetti	OR 4 lb 12 oz	OR 1 gal	OR 9 lb 8 oz	OR 2 gal		
					 Cook uncovered until tender-firm, about 10 minutes for macaroni, 8 minutes for noodles, and 12 minutes for spaghetti. DO NOT OVERCOOK. 	
					4. Drain well.	
					 Pour into steamtable pans (12" x 20" x 2 ½"). For 50 servings, use 2 pans. For 100 servings, use 4 pans. 	
					 CCP: Hold for hot service at 135° F or higher. OR CCP: Cool to 70° F within 2 hours and from 70° F to 41° F or lower within an additional 4 hours. 	
					Portion with No. 8 scoop (1/2 cup).	

SERVING:	YIELD:	VOLUME:
¹ / ₂ cup (No. 8 scoop) provides 1 serving of grains/breads.	50 Servings: 2 steamtable pans	50 Servings: about 1 gallon 2 ¹ / ₄ quarts
	100 Servings: 4 steamtable pans	100 Servings: about 3 gallons 2 cups

Tested 2004

Special Tip:

To cook the day before: After draining, run under cold water 3 minutes. Let stand in strainer for 5 minutes. Toss with 1 oz oil for each pound of dry pasta.

Cooking Rice (Oven or Steamer)

Breads					Grains/Breads	B-
Ingredients	50	Servings	100	Servings	Directions	
	Weight	Measure	Weight	Measure		
					1. Do not rinse enriched rice.	
Enriched white rice, medium grain, regular	3 lb 12 oz	2 qt ½ cup	7 lb 8 oz	1 gal 1 cup	2. Place 1 lb 14 oz medium grain, or 1 lb 11 oz long grain, or 1 lb 13 oz par boiled rice in	
OR Enriched white rice, long grain, regular	OR 3 lb 6 oz	OR 2 qt	OR 6 lb 12 oz	OR 1 gal	each steamtable pan (12" x 20" x 2 ½"). For 50 servings, use 2 pans. For 100 servings, use 4 pans.	
OR Enriched white rice, long grain, parboiled	OR 3 lb 10 oz	OR 2 qt 1 ¼ cups	OR 7 lb 4 oz	OR 1 gal 2 ½ cups	- puno.	
Water, boiling		3 qt		1 gal 2 qt	 Add salt to boiling water. Pour water over rice. (1 qt 2 cups per steamtable pan). 	
Salt		2 tsp		1 Tbsp 1 tsp		
					4. Cover pans tightly.	
					 Bake: Conventional oven: 350° F for 30 minutes Convection oven: 325° F for 30 minutes Steamer: 5 lb pressure for 25 minutes 	
					6. Remove from oven or steamer.	
					 CCP: Hold for hot service at 135° F or higher. OR CCP: Cool to 70° F within 2 hours and from 70° F to 41° F or lower within an additional 4 hours. 	
					Portion with No. 8 scoop (1/2 cup).	

SERVING:	YIELD:	VOLUME:
¹ / ₂ cup (No. 8 scoop) provides 1 serving of grains/breads.	50 Servings: 2 steamtable pans	50 Servings: about 1 gallons 2 ¹ / ₄ quarts
	100 Servings: 4 steamtable pans	100 Servings: about 3 gallons 2 cups

Cooking Rice (Oven or Steamer)

Grains/Breads	Grains/Breads	B-03
Special Tip: Cooking Brown Rice, long grain, regular		

For 50 Servings, use 5 lb 12 oz brown rice and 1 gal 1 $\frac{1}{2}$ qt boiling water and 2 tsp salt. Place 2 lb 14 oz of rice and 2 qt 3 cups of water in each steamtable pan (12" x 20" x 2 $\frac{1}{2}$ ") use 2 pans. Cover and bake at 350° F or steam at 5 lb pressure for 50 minutes.

For 100 servings, use 11 lb 8 oz brown rice and 2 gal 3 qt boiling water and 1 Tbsp 1 tsp salt. Place 2 lb 14 oz of rice and 2 qt 3 cups of water in each steamtable pan ($12" \times 20" \times 2 \frac{1}{2}"$) use 4 pans. Cover and bake at 350° F or steam at 5 lb pressure for 50 minutes.

Baking Powder Biscuits

/Breads					Grains/Breads	B-0
Ingredients	50	50 Servings		Servings	Directions	
	Weight	Measure	Weight	Measure		
Enriched all-purpose flour	3 lb	2 qt 3 cups	6 lb	1 gal 1 ½ qt	 Blend flour, dry milk, baking powder, and salt in mixer for 1 minute at low speed. 	
Instant nonfat dry milk	3 oz	1 ¼ cups	6 oz	2 ½ cups		
Baking powder	2 ¾ oz	1⁄4 cup 2 1⁄2 Tbsp	5 ½ oz	¾ cup 1 Tbsp		
Salt		1 Tbsp		2 Tbsp		
Shortening	11 ½ oz	1 ¾ cups	1 lb 7 oz	3 ½ cups	 Add shortening and blend into dry ingredients for 2 minutes at low speed. Mixture will be crumbly. 	
Water, cold		3 ¾ cups		1 qt 3 ½ cups	Add water and mix for approximately 1 minute on low speed to form soft dough. Scrape bowl as necessary during mixing.	
					 Turn out onto lightly floured surface. For 50 servings, knead ball of dough lightly for 1 minute. For 100 servings, divide dough in half and knead each half lightly for 1 minute. 	
					5. Roll or pat out each ball of dough to ½" thickness. Cut with floured 2 ½" biscuit cutter and place on sheet pan (18" x 26" x 1") in rows of 5 across and 10 down. For 50 servings, use 1 pan. For 100 servings, use 2 pans.	
					 Bake until lightly browned: Conventional oven: 450° F for 12-14 minutes Convection oven: 400° F for 8-10 minutes 	

SERVING:	YIELD:	VOLUME:	
1 biscuit provides 1 ½ servings of grains/breads.	50 Servings: 1 sheet pan	50 Servings:	50 2 1/2 inch biscuits
	100 Sometimener 2 shoot pape	100 Comingo	100 2 1/2 inch bicquite
	100 Servings: 2 sheet pans	100 Servings:	100 2 ¹ / ₂ inch biscuits

Baking Powder Biscuits

Grains/Breads	Grains/Breads	B-04
	Variations: A. Baking Powder Biscuits (Using Master Mix B-01) For 50 servings, omit steps 1 and 2. Use 3 lb 12 oz (3 qt) Master Mix. Continue with steps 3-6.	
	For 100 servings, omit steps 1 and 2. Use 7 lb 8 oz (6 qt) Master Mix. Continue with steps 3-6.	
	B. Cheese Biscuits For 50 servings, follow steps 1 and 2. In step 3, add 12 oz (3 ¹ / ₂ cups) shredded reduced fat Cheddar cheese to soft dough. Mix lightly to distribute cheese. Continue with steps 4-6.	
	For 100 servings, follow steps 1 and 2. In step 3, add 1 lb 8 oz (1 qt 3 cups) shredded reduced fat Cheddar cheese to soft dough. Mix lightly to distribute cheese. Continue with steps 4-6.	(
	C. Drop Biscuits For 50 servings, follow steps 1 and 2. In step 3, use 1 qt ³ / ₄ cup cold water. Omit step 4. In step 5, portion with level No. 16 scoop (¹ / ₄ cup) onto 1 sheet pan (18" x 26" x 1") in rows of 10 down and 5 across. Continue with step 6.)
	For 100 servings, follow steps 1 and 2. In step 3, use 2 qt 1 $\frac{1}{2}$ cups converge. Omit step 4. In step 5, portion with level No. 16 scoop ($\frac{1}{4}$ cup onto 2 sheet pans (18" x 26" x 1") in rows of 5 across and 10 down. Continue with step 6.	
	D. Wheat Biscuits For 50 servings, in step 1, use 2 lb 4 oz (2 qt) enriched all-purpose flor and 12 oz (2 ¾ cups) whole wheat flour. Continue with steps 2-6.	ur
	For 100 servings, in step 1, use 4 lb 8 oz (4 qt) enriched all-purpose fle and 1 lb 8 oz (1 qt 1 $\frac{1}{2}$ cups) whole wheat flour. Continue with steps 2	

Baking Powder Biscuits

Grains/Breads					Grains/Breads		B-04
	Nutrients Per Ser	ving					
	Calories	164	Saturated Fat	1.68 g	Iron	1.44 mg	
	Protein	3.41 g	Cholesterol	0 mg	Calcium	117 mg	
	Carbohydrate	22.09 g	Vitamin A	40 IU	Sodium	315 mg	
	Total Fat	6.80 g	Vitamin C	0.1 mg	Dietary Fiber	0.7 g	

Banana Bread Squares

/Breads					Grains/Breads	E
Ingredients	50	50 Servings		Servings	Directions	
ingredients	Weight	Measure	Weight	Measure	Directions	
Enriched all-purpose flour	1 lb 12 oz	baking soda, and salt in mixer for 1 minute at		 Blend flour, sugar, dry milk, baking powder, baking soda, and salt in mixer for 1 minute at low speed. 		
Sugar	1 lb 1 oz	2 ½ cups	2 lb 2 oz	1 qt 1 cup		
Instant nonfat dry milk		1/4 cup		1/2 cup		
Baking powder		1 Tbsp 2 ¼ tsp		3 Tbsp 1 ½ tsp		
Baking soda		1 tsp		2 tsp		
Salt		1 tsp		2 tsp		
Frozen whole eggs, thawed OR	7 oz	¾ cup 2 Tbsp	14 oz	1 ⅔ cups	 Combine eggs and water. Add shortening and liquid mixture to dry ingredients. Blend for 30 	
Fresh large eggs (see Special Tip)		OR 4 each		OR 8 each	seconds on low speed. Beat for 1 minute on medium speed.	
Water		1 ¼ cups		2 ½ cups		
Shortening	6 ½ oz	1 cup	13 oz	2 cups		
*Fresh bananas, mashed	1 lb 10 oz	2 ¾ cups	3 lb 4 oz	1 qt 1 ½ cups	 Add mashed bananas and nuts (optional). Blend for 30 seconds on low speed. Beat for 1 minute on medium speed. DO NOT OVERMIX. Batter will be lumpy. 	
Chopped walnuts (optional)	6 ½ oz	1 ½ cups	13 oz	3 cups		
					 Pour 5 lb 10 oz (2 qt 2 cups) batter into each steamtable pan (12" x 20" x 2 ½") which has been lightly coated with pan release spray. For 50 servings, use 1 pan. For 100 servings, use 2 pans. 	
					 Bake until browned: Conventional oven: 350° F for 35-45 minutes Convection oven: 300° F for 25-35 minutes 	
					6. Cool. Cut each pan 5 x 10 (50 pieces per pan).	
					7. For loaf pans: Pour 1 lb 14 oz (3 ¼ cups) batter into each loaf pan (4" x 10" x 4") which has been lightly coated with pan release spray. For 50 servings, use 3 loaf pans. For 100 servings, use 6 loaf pans.	
					Bake until browned: Conventional oven: 350° F for 50-60 minutes Convection oven: 300 ° F 40-50 minutes	

Banana Bread Squares

s/Breads				Grains/Bread	S	
				Remove from	pans. Cool completely.	
				Cut each loaf	into 17 slices, about ½" thick.	
Comments:		Marketi	ng Guide for	Selected Items	5	
*See Marketing Guide.			Purchased for	50 Servings	100 Servings	
		Bananas		2 lb 9 oz	5 lb 2 oz	
SERVING:	YIELD:			VOLUME:		
1 piece provides 1 serving of grains/breads.	50 Servings:	1 steamta OR 3 loaves	able pan	50 Servings:	about 2 quarts 2 cups (batter) 50 pieces	
	100 Servings	: 2 steamta OR 6 loaves	ble pans	100 Servings:	about 1 gallon 1 quart (batter) 100 pieces	
	Edited 2004					
Special Tip: For 50 servings, use 2 oz ($\frac{2}{3}$ cup) dried whole eggs a of eggs.	and ⅔ cup water	in place	Variations: A. Banana Bread S	Squares (Using Master	Mix B-01)	
For 100 servings, use 4 oz (1 ¹ / ₃ cups) dried whole egplace of eggs.	ggs and 1 ⅓ cups	water in			2 oz (2 qt) Master Mix with 1 lb 1 ening. Continue with steps 3-6.	C
					5 oz (4 qt) Master Mix with 2 lb 2 ening. Continue with steps 3-6.	2 /

Banana Bread Squares

Grains/Breads					Grains/Breads		B-05
	Nutrients Per Ser	ving					
	Calories	149	Saturated Fat	1.10 g	Iron	0.90 mg	
	Protein	2.41 g	Cholesterol	17 mg	Calcium	38 mg	
	Carbohydrate	25.56 g	Vitamin A	45 IU	Sodium	130 mg	
	Total Fat	4.31 g	Vitamin C	1.4 mg	Dietary Fiber	0.8 g	

Bread Stuffing

/Breads					Grains/Breads	
Ingredients	50	Servings	100	Servings	Directions	
ingrouonto	Weight	Measure	Weight	Measure		
Enriched soft bread cubes	4 lb 11 oz	3 gal 1 ½ qt	9 lb 6 oz	6 gal 3 qt	 Combine bread cubes, celery, onions, raisins (optional), poultry seasoning, pepper, granulated garlic, margarine or butter, and thyme (optional). Mix lightly until well blended. 	
*Fresh celery, chopped	1 lb	3 ¾ cups 2 Tbsp	2 lb	1 qt 3 ¾ cups		
*Fresh onions, chopped OR Dehydrated onions	12 oz OR 2 ¼ oz	2 cups OR ⅓ cup	1 lb 8 oz OR 4 ½ oz	1 qt OR ⅔ cup		
†Raisins, plumped (optional)	6 ½ oz	2 ¼ cups	13 oz	1 qt ½ cup		
Poultry seasoning		1 Tbsp		2 Tbsp		
Ground black or white pepper		1 ½ tsp		1 Tbsp		
Granulated garlic		1 Tbsp		2 Tbsp		
Margarine or butter, melted	10 ½ oz	1 ⅓ cups	1 lb 5 oz	2 ¾ cups		
Dried thyme (optional)		2 Tbsp		1⁄4 cup		
Chicken stock, non-MSG		3 qt		1 gal 2 qt	Add chicken stock to bread mixture. Mix gently to moisten.	
					 Spread 6 lb 7 oz (3 qt 3 cups) of stuffing evenly into each steamtable pan (12" x 20" x 2 ½") which has been lightly coated with pan release spray. For 50 servings, use 2 pans. For 100 servings, use 4 pans. 	
					 Bake: Conventional oven: 350° F for 30-40 minutes Convection oven: 300° F for 20-30 minutes CCP: Heat to 165° F or higher for at least 15 seconds. 	
					5. CCP: Hold for hot service at 135° F or higher.	
					Cut each pan 5 x 5 (25 pieces).	
					 If desired, serve with Chicken or Turkey Gravy (see G-03A). 	

Bread Stuffing

s/Breads			Grains/Bread	ls	B-0
Comments: *See Marketing Guide.	Marketing Guide for Food as Purchased for	Selected Item 50 Servings	S 100 Servinas		
⁺ To plump raisins, cover the fruit with very hot tap water. Soak 2-5 minutes. DO NOT OVERSOAK. Drain well before using.		Celery	1 lb 4 oz	2 lb 8 oz	
	-	Mature onions	14 oz	1 lb 12 oz	
SERVING:	YIELD:		VOLUME:		
1 piece provides 1 ½ servings of grains/breads.	50 Servings	2 steamtable pans	50 Servings:	about 1 gallon ½ cup 50 pieces	
	100 Serving	s: 4 steamtable pans	100 Servings:	about 2 gallons 1 cup 100 pieces	
	—				

Tested 2004

Nutrients Per Ser	ving				
Calories	165	Saturated Fat	1.23 g	Iron	1.40 mg
Protein	3.97 g	Cholesterol	1 mg	Calcium	56 mg
Carbohydrate	22.65 g	Vitamin A	226 IU	Sodium	327 mg
Total Fat	6.45 g	Vitamin C	1.0 mg	Dietary Fiber	1.2 g

Cornbread Stuffing

Breads					Grains/Breads	B
Ingredients	50 \$	Servings	100	Servings	Directions	
ingreatents	Weight	Measure	Weight	Measure		
Enriched soft bread cubes	2 lb 5 ½ oz	1 gal 1 ½ qt	4 lb 11 oz	2 gal 3 qt	 Combine bread cubes, crumbled cornbread, celery, onions, poultry seasoning, pepper, granulated garlic, margarine or butter, and thyme (optional). Mix lightly until well blended. 	
Cornbread (B-09), crumbled	2 lb 5 ½ oz	2 qt 2 ½ cups	4 lb 11 oz	1 gal 1 ¼ qt		
*Fresh celery, chopped	1 lb	3 ¾ cups	2 lb	1 qt 3 ½ cups		
*Fresh onions, chopped OR Dehydrated onions	12 oz OR 2 ¼ oz	2 cups OR ⅓ cup	1 lb 8 oz OR 4 ½ oz	1 qt OR ⅔ cup		
Poultry seasoning		1 Tbsp		2 Tbsp		
Ground black or white pepper		1 ½ tsp		1 Tbsp		
Granulated garlic		1 Tbsp		2 Tbsp		
Margarine or butter, melted	10 ½ oz	1 ⅓ cups	1 lb 5 oz	2 ⅔ cups		
Dried thyme (optional)		2 Tbsp		1⁄4 cup		
Chicken stock, non-MSG		3 qt		1 gal 2 qt	Add chicken stock to bread mixture. Mix gently to moisten.	
					 Spread 6 lb 7 oz (3 qt 3 cups) of stuffing evenly into each steamtable pan (12" x 20" x 2 ½") which has been lightly coated with pan release spray. For 50 servings, use 2 pans. For 100 servings, use 4 pans. 	
					 Bake: Conventional oven: 350° F for 30-40 minutes Convection oven: 300° F for 20-30 minutes CCP: Heat to 165° F or higher for at least 15 seconds. 	
					5. CCP: Hold for hot service at 135° F or higher.	
					Cut each pan 5 x 5 (25 pieces).	
					 If desired, serve with Chicken or Turkey Gravy (see G-03A). 	

Cornbread Stuffing

ns/Breads			Grains/Bread	S	B-06
Comments: *See Marketing Guide.		Marketing Guide for Food as Purchased for	Selected Item 50 Servings	S 100 Servinas	
		Celery	1 lb 4 oz	2 lb 8 oz	
		Mature onions	14 oz	1 lb 12 oz	
SERVING:	YIELD:		VOLUME:		
1 piece provides 1 ½ servings of grains/breads.	50 Servings	2 steamtable pans	50 Servings:	about 1 gallon ½ cup 50 pieces	
	100 Serving	s: 4 steamtable pans	100 Servings:	about 2 gallons 1 cup 100 pieces	

Edited 2004

Nutrients Per Sei	ving				
Calories	162	Saturated Fat	1.34 g	Iron	1.20 mg
Protein	3.59 g	Cholesterol	7 mg	Calcium	68 mg
Carbohydrate	21.19 g	Vitamin A	230 IU	Sodium	289 mg
Total Fat	7.10 g	Vitamin C	1.0 mg	Dietary Fiber	1.2 g

Brown Bread

Breads					Grains/Breads
Ingredients	5	50 Servings		Servings	Directions
	Weight	Measure	Weight	Measure	Directions
Enriched all-purpose flour	8 oz	1 ¾ cups 2 Tbsp	1 lb	3 ¾ cups	 Blend flour, whole wheat flour, cornmeal, baking soda, and salt in mixer for 1 minute on low speed.
Whole wheat flour	8 oz	2 cups	1 lb	1 qt	
Cornmeal	12 oz	2 ¾ cups 2 Tbsp	1 lb 8 oz	1 qt 1 ¾ cups	
Baking soda		1 Tbsp		2 Tbsp	
Salt		1 tsp		2 tsp	
Instant nonfat dry milk, reconstituted		1 qt		2 qt	 Combine milk and lemon juice or vinegar (to sour the milk). Let stand for 5 minutes.
Frozen lemon juice concentrate, reconstituted OR		¼ cup OR		½ cup OR	
White vinegar		¹¼ cup		½ cup	
Molasses	1 lb	1 ½ cups	2 lb	3 cups	 Add molasses and vegetable oil to milk mixture. Blend well.
Vegetable oil		2 Tbsp		1⁄4 cup	
†Raisins, plumped (optional)	8 oz	1 ¼ cups	1 lb	2 ½ cups	 Add liquid mixture and raisins (optional) to dry ingredients. Blend for 3 minutes on low speed. DO NOT OVERMIX. Batter will be lumpy.
					 Pour 5 lb (2 qt ½ cup) batter into each steamtable pan (12" x 20" x 2 ½") which has been lightly coated with pan release spray. For 50 servings, use 1 pan. For 100 servings, use 2 pans.
					 Bake or steam until a knife inserted near center comes out clean: Conventional oven: 375° F for 40-50 minutes Convection oven: 325° F for 25-35 minutes Steamer: 5 lb pressure for 55-65 minutes
					7. Cool. Cut each pan 5 x 10 (50 pieces per pan).
					 For loaf pans: Pour 2 lb 8 oz (approximately 1 qt ¼ cup) batter into each loaf pan (4" x 10" x 4") which has been lightly coated with pan release spray. For 50 servings, use 2 pans. For 100 servings, use 4 pans.

Brown Bread

Grains/Breads	Grains/Breads	B-07
	Bake or steam until knife inserted near center comes out clean: Conventional oven: 375° F for 60 minutes Convection oven: 325° F for 45 minutes Steamer: 5 lb pressure for 1 hour 10 minutes	
	Remove from pans. Cool completely. Cut each loaf into 25 slices, about ³ / ₆ "-½" thick.	

Comments:

[†]To plump raisins, cover the fruit with very hot tap water. Soak 2-5 minutes. DO NOT OVERSOAK. Drain well before using.

SERVING:	YIELD:		VOLUME:	
1 piece provides 1 serving of grains/breads.	50 Servings:	1 steamtable pan OR 2 loaves	50 Servings:	about 2 quarts ½ cup (batter) 50 pieces
	100 Servings:	2 steamtable pans OR 4 loaves	100 Servings:	about 1 gallon 1 cup (batter) 100 pieces
	E III. 1 000 4			

Edited 2004

Nutrients Per Ser	ving			_	
Calories	92	Saturated Fat	0.13 g	Iron	1.08 mg
Protein	2.29 g	Cholesterol	0 mg	Calcium	44 mg
Carbohydrate	19.27 g	Vitamin A	28 IU	Sodium	137 mg
Total Fat	0.88 g	Vitamin C	0.5 mg	Dietary Fiber	1.2 g

Cinnamon Rolls

'Breads					Grains/Breads	
Ingredients	50	50 Servings		Servings	Directions	
ingrouterito	Weight	Measure	Weight	Measure		
			1		For best results, have all ingredients and utensils at room temperature.	
Active dry yeast (see Special Tip)		⅓ cup	3 ¼ oz	½ cup 2 Tbsp	 Dissolve dry yeast in warm water. Let stand for 4-5 minutes. 	
Water, warm (110° F)		1 ½ cups		3 cups		
Enriched all-purpose flour	3 lb 10 oz	3 qt 1 ½ cups	7 lb 4 oz	1 gal 2 ¾ qt	 Place flour, dry milk, sugar, and salt in mixer bowl. Blend with dough hook for approximately 2 minutes on low speed. 	
Instant nonfat dry milk	3 ¼ oz	1 ⅓ cups	6 ½ oz	2 ³ ⁄4 cups		
Sugar	5 ¾ oz	¾ cup 2 Tbsp	11 ½ oz	1 ½ cups 2 Tbsp		
Salt		2 Tbsp	2 ½ oz	1⁄4 cup		
Vegetable oil		¾ cup 2 Tbsp		1 ⅔ cups	 Add oil and blend for approximately 2 minutes on low speed. 	
Water (68° F)		2 ½ cups		1 qt 1 cup	4. Add water. Mix for 1 minute on low speed.	
					Add dissolved yeast and mix for 2 minutes on low speed.	
					Knead dough on medium speed for 8 minutes, or until dough is smooth and elastic.	
					 Place in warm area (about 90° F) for 45-60 minutes. 	
					 Place dough on lightly floured surface. Divide into balls, 3 lb 2 oz each. For 50 servings, divide into 2 balls. For 100 servings, divide into 4 balls. 	
Ground cinnamon		1⁄4 cup		½ cup	Combine cinnamon and sugar. Mix well. Set aside for step 11.	
Sugar	5 ¼ oz	³∕₄ cup	10 ½ oz	1 ½ cups		
					10. Roll each ball of dough into a rectangle 25" x 10", 1⁄4" thick.	
Vegetable oil		1 Tbsp		2 Tbsp	 Lightly brush each rectangle with oil. Sprinkle approximately ½ cup cinnamon-sugar mixture over each rectangle. 	
Raisins	10 oz	2 cups	1 lb 4 ½ oz	1 qt	 Sprinkle 1 cup raisins over cinnamon-sugar mixture on each rectangle. 	

Cinnamon Rolls

Grains/Breads		Grain	ns/Breads	B-08
		lor	oll each rectangle on the long side to form a ng slender roll. Cut each roll into 25 uniform eces 1" thick.	
		sh ligi se	ace in rows of 5 across and 10 down on leet pan (18" x 26" x 1") which has been htly coated with pan release spray. For 50 arvings, use 1 pan. For 100 servings, use 2 lns.	
			ace in a warm area (about 90° F) until uble in size, 30-50 minutes.	
			ake until lightly browned: Conventional oven: 400° F for 18-20 minutes Convection oven: 350° F for 12-14 minutes	
Margarine or butter, melted (optional)	1 Tbsp	bu	otional: Brush lightly with melted margarine or ttter (approximately 1 Tbsp per pan) while arm.	

SERVING:	YIELD:		VOLUME:					
1 roll provides 2 servings of grains/breads.	50 Servings:	6 lb 4 oz (dough) 1 sheet pan	50 Servings:	about 50 rolls				
	100 Servings:	12 lb 8 oz (dough) 2 sheet pans	100 Servings:	about 100 rolls				
	Tested 2004							
Special Tip: To use high-activity (instant) yeast, follow directions below or manufacturer's instructions.								
For 50 servings, omit step 1. In step 2, add ¼ cup high-activity (instant) yeast. Continue with step 3. In step 4, add 1 qt water (110° F). Omit step 5. In step 6, knead for 10 minutes. Continue with steps 7-17.								
For 100 servings, omit step 1. In step 2, add 2 $\frac{1}{2}$ oz								

activity (instant) yeast. Continue with step 3. In step 4, add 2 qt water (110° F). Omit step 5. In step 6, knead for 10 minutes. Continue with steps 7-17.

Cinnamon Rolls

Grains/Breads					Grains/Breads		B-08
	Nutrients Per Ser	ving					
	Calories	209	Saturated Fat	0.65 g	Iron	2.08 mg	
	Protein	4.73 g	Cholesterol	0 mg	Calcium	39 mg	
	Carbohydrate	37.70 g	Vitamin A	46 IU	Sodium	292 mg	
	Total Fat	4.53 g	Vitamin C	0.5 mg	Dietary Fiber	1.7 g	

Cornbread

Breads					Grains/Breads
Ingredients	50	Servings	10	0 Servings	Directions
	Weight	Measure	Weight	Measure	
Enriched all-purpose flour	1 lb	3 ¾ cups	2 lb	1 qt 3 ½ cups	 Blend flour, cornmeal or corn grits, sugar, baking powder, and salt in mixer for 1 minute on low speed.
Cornmeal OR	1 lb OR	3 ¾ cups OR	2 lb OR	1 qt 3 ½ cups OR	
Enriched corn grits	1 lb	2 ¾ cups	2 lb	1 qt 1 ½ cups	
Sugar	5 ¼ oz	³∕₄ cup	10 ½ oz	1 ½ cups	
Baking powder		2 Tbsp 2 tsp	2 oz	⅓ cup	
Salt		1 ¼ tsp		2 ½ tsp	
Frozen whole eggs, thawed OR	5 ¼ oz	⅔ cup	10 ½ oz	1 ¼ cups	Mix eggs, milk, oil, cheese (optional), and chili peppers (optional). Add to dry ingredients and
Fresh large eggs (see Special Tip)		OR 3 each		OR 6 each	blend for 30 seconds on low speed. Beat until dry ingredients are moistened for 2-3 minutes on medium speed. DO NOT OVERMIX. Batter will be lumpy.
Instant nonfat dry milk, reconstituted		3 ¾ cups		1 qt 3 ½ cups	
Vegetable oil		½ cup		1 cup	
Reduced fat Cheddar cheese, shredded (optional)	12 oz	3 cups	1 lb 8 oz	1 qt 2 cups	
*Fresh green chili peppers, chopped (optional)	4 oz	¾ cup 3 Tbsp	8 oz	1 ¾ cups 2 Tbsp	
					 Pour 2 lb 7 oz (1 qt 1 cup) batter into each sheet pan (18" x 26" x 1") which has been lightly coated with pan release spray. For 50 servings use 2 pans. For 100 servings, use 4 pans
					 Bake until lightly browned: Conventional oven: 400° F for 30-35 minutes Convection oven: 350° F for 20-25 minutes
					5. Cut each sheet pan 5 x 5 (25 pieces per pan).

Marketing Guide for Selected Items						
Food as Purchased for	50 Servings	100 Servings				
Green chili peppers	5 oz	10 oz				

Cornbread

ns/Breads			ls	B-09
YIELD:		VOLUME:		
50 Servings:	4 lb 14 oz (batter) 2 sheet pans	50 Servings:	about 2 quarts 2 cups (batter) 50 pieces	
100 Servings:	9 lb 12 oz (batter) 4 sheet pans	100 Servings:	1 gallon 1 quart (batter) 100 pieces	
Edited 2004				
eggs and $\frac{1}{2}$ cup wat	er in			
	50 Servings: 100 Servings: Edited 2004	 50 Servings: 4 lb 14 oz (batter) 2 sheet pans 100 Servings: 9 lb 12 oz (batter) 4 sheet pans 	YIELD:VOLUME:50 Servings:4 lb 14 oz (batter) 2 sheet pans50 Servings:100 Servings:9 lb 12 oz (batter) 4 sheet pans100 Servings:Edited 20044	50 Servings: 4 lb 14 oz (batter) 2 sheet pans 50 Servings: about 2 quarts 2 cups (batter) 50 pieces 100 Servings: 9 lb 12 oz (batter) 4 sheet pans 100 Servings: 1 gallon 1 quart (batter) 100 pieces Edited 2004 100 Servings: 1 gallon 1 quart (batter)

of eggs.

Nutrients Per Serving									
Calories	108	Saturated Fat	0.45 g	Iron	0.90 mg				
Protein	2.65 g	Cholesterol	13 mg	Calcium	68 mg				
Carbohydrate	18.03 g	Vitamin A	51 IU	Sodium	151 mg				
Total Fat	2.82 g	Vitamin C	0.1 mg	Dietary Fiber	1.0 g				

Fried Rice

leat Alternate-Vegetable-Grains/Breads					Grains/Breads		
Ingredients	50	Servings	100	Servings	Directions		
ingretients	Weight	Measure	Weight	Measure	Directions		
Vegetable oil		¼ cup		½ cup	1. Heat oil. Add onions. Cook for 3-5 minutes.		
*Fresh onions, chopped OR Dehydrated onions	8 oz OR 1 ½ oz	1 ⅓ cups OR ⅔ cup	1 lb OR 3 oz	2 ⅔ cups OR 1 ½ cups			
Frozen whole eggs, thawed OR Fresh large eggs (see Special Tip)	2 lb 13 oz	1 qt 1 ⅓ cups OR 26 each	5 lb 10 oz	2 qt 2 ¾ cups OR 52 each	 Add eggs. Cook over medium heat, stirring frequently, for 10-15 minutes or until set. 		
*Cooked enriched white rice	11 lb 13 oz	1 gal 3 ¼ qt	23 lb 10 oz	3 gal 2 ½ qt	 For cooked rice, use Cooking Rice recipe (see B-03). Combine rice, peas, soy sauce, and carrots. Pour into medium steamtable pans (12" x 20" x 4"). For 50 servings, use 2 pans. For 100 servings, use 4 pans. 		
Frozen peas	1 lb 2 oz	2 ¾ cups	2 lb 4 oz	1 qt 1 ½ cups			
Low-sodium soy sauce		1 ⅓ cups		2 ⅔ cups			
Frozen diced carrots	1 lb 2 oz	2 ¾ cups 2 Tbsp	2 lb 4 oz	1 qt 1 ¾ cups			
					4. Cover.		
					 Bake: Convection oven: 325° F for 25 minutes Conventional oven: 350° F for 35 minutes CCP: Heat to 165° F or higher for at least 15 seconds. 		
					6. CCP: Hold for hot service at 135° F or higher.		
					Portion with 6 oz portioning spoon ($\frac{3}{4}$ cup).		

Comments: *See Marketing Guide.

Marketing Guide for Selected Items							
Food as Purchased for	50 servings	100 servinas					
Mature onions	10 oz	1 lb 4 oz					
White rice, medium grain	4 lb 5 oz	8 lb 10 oz					
White rice, long grain	3 lb 14 oz	7 lb 12 oz					
White rice, long grain parboiled	4 lb 3 oz	8 lb 6 oz					

Fried Rice

Meat Alternate-Vegetable-Grains/Breads	Grains/Bread	s E	B-10	
SERVING:	YIELD:	VOLUME:		
³ / ₄ cup (6 oz portioning spoon) provides 1 oz equivalent meat/meat alternate, ½ cup of vegetable, and 1 serving of grains/breads.	50 Servings: about 17 lb	50 Servings:	about 2 gallons 1 ½ quarts 2 steamtable pans	
	100 Servings: about 34 lb	100 Servings:	about 4 gallons 3 quarts 4 steamtable pans	
	Tested 2004			
Special Tip: For 50 servings, use 13 oz (1 qt $\frac{1}{3}$ cup) dried whole water in place of eggs.	eggs and 1 qt ¼ cup			
For 100 servings, use 1 lb 10 oz (2 qt $\frac{2}{3}$ cup) dried w water in place of eggs.	hole eggs and 2 qt 3 cup			

Nutrients Per Ser	ving				
Calories	184	Saturated Fat	1.02 g	Iron	1.83 mg
Protein	6.73 g	Cholesterol	108 mg	Calcium	29 mg
Carbohydrate	29.38 g	Vitamin A	1873 IU	Sodium	409 mg
Total Fat	3.95 g	Vitamin C	1.5 mg	Dietary Fiber	1.4 g

Italian Bread

Breads						
Ingredients	50 \$	50 Servings		Servings	Directions	
ingrouiento	Weight	Measure	Weight	Measure		
			1		For best results, have all ingredients and utensils at room temperature.	
Active dry yeast (see Special Tip)		2 Tbsp 2 tsp		⅓ cup	 Dissolve dry yeast in warm water. Let stand for 4-5 minutes. 	
Water, warm (110° F)		1 cup		2 cups		
Enriched all-purpose flour	3 lb 12 oz	3 qt 2 cups	7 lb 8 oz	1 gal 3 qt	 Place flour, dry milk, sugar, and salt in mixer bowl. Blend with dough hook for approximately 2 minutes on low speed. 	
Instant nonfat dry milk	3 oz	1 ¼ cups	6 oz	2 1/2 cups		
Sugar		1⁄4 cup	3 ½ oz	½ cup		
Salt		1 Tbsp		2 Tbsp		
Water (70-75° F)		3 cups		1 qt 2 cups	3. Add water and mix for 1 minute on low speed.	
					 Add dissolved yeast and mix for 2 minutes on low speed. 	
Shortening		1⁄4 cup	3 ¼ oz	½ cup	Add shortening and mix for 2 minutes on low speed.	
					Knead dough for 8 minutes on medium speed or until dough is smooth and elastic.	
					 Place dough in warm area (about 90° F) for 45-60 minutes. 	
					 Punch down dough to remove air bubbles and let rest 15 minutes. 	
					 Divide dough into pieces, 3 lb 6 oz each. For 50 servings, divide into 2 pieces. For 100 servings, divide into 4 pieces. Shape each piece into a smooth roll 24" long. 	
Cornmeal		2 Tbsp		¼ cup	10. Place lengthwise on sheet pans (18" x 26" x 1") which have been lightly coated with pan release spray and sprinkled with cornmeal, approximately 2 Tbsp per sheet pan. For 50 servings, use 1 pan. For 100 servings, use 2 pans.	
					 Place sheet pans in a warm area (about 90° F) until double in size, 30-50 minutes. 	

Italian Bread

Grains/	/Breads	Grains/Breads	B-11
	Water, as needed	12. Brush top of each loaf with water. Using scissors or a very sharp knife, cut 5 or 6 diagonal slits ¼" deep on top of each loaf.	
		13. Bake until browned: Conventional oven: 400° F for 25 minutes Convection oven: 350° F for 20 minutes	
		14. Cool. Cut each loaf into 25 slices, 7/8" thick.	

SERVING:	YIELD:		VOLUME:	
1 slice provides 2 servings of grains/breads.	50 Servings:	6 lb 12 oz (dough) 2 loaves	50 Servings:	50 pieces
	100 Servings:	13 lb 8 oz (dough) 4 loaves	100 Servings:	100 pieces
	Tested 2004			
Special Tip: To use high-activity (instant) yeast, follow directi instructions.	ions below or manufac	turer's		
For 50 servings, omit step 1. In step 2, add 2 Tb yeast. In step 3, add 1 qt water (110° F). Omit s In step 6, knead for 10 minutes. Continue with s	tep 4. Continue with s			
For 100 servings, omit step 1. In step 2, add 1/4				

yeast. In step 3, add 2 qt water (110° F). Omit step 4. Continue with step 5. In step 6, knead for 10 minutes. Continue with steps 7-14.

Italian Bread

Grains/Breads					Grains/Breads		B-11
	Nutrients Per Ser	ving					
	Calories	145	Saturated Fat	0.32 g	Iron	1.70 mg	
	Protein	4.37 g	Cholesterol	0 mg	Calcium	27 mg	
	Carbohydrate	28.23 g	Vitamin A	41 IU	Sodium	150 mg	
	Total Fat	1.40 g	Vitamin C	0.1 mg	Dietary Fiber	1.1 g	

Muffin Squares

Breads					Grains/Breads	E
Ingredients	50	Servings	100) Servings	Directions	
ingreuents	Weight	Measure	Weight	Measure	Directions	
Enriched all-purpose flour	1 lb 12 oz	1 qt 2 ½ cups	3 lb 8 oz	3 qt 1 cup	 Blend flour, dry milk, baking powder, sugar, and salt in mixer for 5 minutes on low speed. Add raisins (optional). 	
Instant nonfat dry milk		³₄ cup	3 ½ oz	1 ½ cups		
Baking powder		3 Tbsp 2 tsp	3 oz	¼ cup 3 ⅓ Tbsp		
Sugar	7 oz	1 cup	14 oz	2 cups		
Salt		2 tsp		1 Tbsp 1 tsp		
†Raisins, plumped (optional)	8 oz	2 ⅔ cups	1 lb	1 qt 1 ⅓ cups		
Frozen whole eggs, thawed OR	5 ¼ oz	²∕₃ cup	10 ½ oz	1 ¼ cups	Combine eggs and water. Add slowly to dry ingredients while mixing on low speed. Mix only	
Fresh large eggs (see Special Tip)		OR 3 each		OR 6 each	until dry ingredients are moistened, 15-20 seconds.	
Water		2 ¾ cups		1 qt 1 ½ cups		
Vegetable oil		¾ cup		1 ½ cups	 Add oil slowly while mixing approximately 40 seconds on low speed. DO NOT OVERMIX. Batter will be lumpy. 	
					 Pour 4 lb 7 oz (2 qt 2 cups) batter into each steamtable pan (12" x 20" x 2 ½") which has been lightly coated with pan release spray. For 50 servings, use 1 pan. For 100 servings, use 2 pans. 	
					 Bake until lightly browned: Conventional oven: 425° F for 25 minutes Convection oven: 350° F for 15 minutes 	
					6. Cut each pan 5 x 10 (50 portions per pan).	
					For muffin pans: Portion batter with No. 20 scoop (3 $\frac{1}{3}$ Tbsp) into muffin pans lightly coated with pan release spray. Fill no more than $\frac{2}{3}$ full.	
					Bake until lightly browned: Conventional oven: 400° F for 18-20 minutes Convection oven: 350° F for 12-15 minutes	
					To cool, remove muffins from pans immediately and place on cooling racks.	

Muffin Squares

ns/Breads			Grains/Breads		
Comments: [†] To plump raisins, cover the fruit with very hot to 5 minutes. DO NOT OVERSOAK. Drain well before					
SERVING:	YIELD:		VOLUME:		
1 piece provides 1 serving of grains/breads.	50 Servings:	4 lb 7 oz (batter) 1 steamtable pan	50 Servings:	about 2 quarts 2 cups (batter) 50 pieces or 50 muffins	
	100 Servings:	8 lb 14 oz (batter) 2 steamtable pans	100 Servings:	about 1 gallon 1 quart (batter) 100 pieces or 100 muffins	
	Edited 2004				
Special Tip: For 50 servings, use 1 $\frac{1}{2}$ oz ($\frac{1}{2}$ cup) dried whol place of eggs.	e eggs and $\frac{1}{2}$ cup wate	50 servings: On		✓₂ oz (2 qt) Master Mix with 7 oz step 3. Continue with step 4-6.	(1
For 100 servings, use 3 oz (1 cup) dried whole ϵ of eggs.	eggs and 1 cup water in	place 100 servings: O	cup) sugar. Continue with step 2. Omit step 3. Continue with step 4-6.100 servings: Omit step 1. Blend 4 lb 15 oz (4 qt) Master Mix with 14 oz (cups) sugar. Continue with step 2. Omit step 3. Continue with steps 4-6.		
			step 1, use 1 lb 5 oz (1	qt ¾ cup) enriched all-purpose f at flour. Continue with steps 2-6.	
		100 servings: Ir flour and 14 oz	n step 1, use 2 lb 10 oz ((3 ¼ cups) whole whea	(2 qt 1 ½ cups) enriched all-purp t flour. Continue with steps 2-6.	ose

Muffin Squares

Grains/Bread	ds				Grains/Breads		B-12
	Nutrients Per Ser	ving					
	Calories	110	Saturated Fat	0.58 g	Iron	0.88 mg	
	Protein	2.36 g	Cholesterol	13 mg	Calcium	66 mg	
	Carbohydrate	16.87 g	Vitamin A	42 IU	Sodium	193 mg	
	Total Fat	3.73 g	Vitamin C	0.1 mg	Dietary Fiber	0.4 g	

Pancakes

s/Breads					Grains/Breads	B-
Ingredients	50 Servings		100	Servings	Directions	
ingredients	Weight	Measure	Weight	Measure	Directions	
Enriched all-purpose flour	2 lb	1 qt 3 ½ cups	4 lb	3 qt 3 cups	 Blend flour, baking powder, salt, dry milk, and sugar in mixer for 3 minutes on low speed. 	
Baking powder		¼ cup	3 ¼ oz	½ cup		
Salt		1 ½ tsp		1 Tbsp		
Instant nonfat dry milk	2 ½ oz	1 cup	5 oz	2 cups		
Sugar	2 ¼ oz	⅓ cup	4 ½ oz	⅔ cup		
Frozen whole eggs, thawed OR	14 oz	1 ⅔ cups	1 lb 12 oz	3 ⅓ cups	Combine eggs, water, and oil. Add to dry ingredients.	
Fresh large eggs (see Special Tip)		OR 8 each		OR 16 each		
Water		1 qt 1 ¼ cups		2 qt 2 ½ cups		
Vegetable oil		1 cup		2 cups		
					 Blend for 2 minutes on low speed. Batter will be lumpy. DO NOT OVERMIX. 	
					 If desired, lightly coat griddle surface with pan release spray. Portion batter with level No. 20 scoop (3 Tbsp 1 tsp) onto griddle, which has been heated to 375° F. 	
					 Cook until surface of pancakes is covered with bubbles and bottom side is lightly browned, approximately 2 minutes. Turn and cook until lightly browned on other side, approximately 1 minute. 	
					 Serve immediately or reheat in covered steamtable pans (12" x 20" x 2 ½"): Conventional Oven: 350° F for 10-15 minutes Convection Oven: 300° F for 8-10 minutes 	

SERVING:	YIELD:	VOLUME:
1 pancake provides 1 serving of grains/breads.	50 Servings: 50 (4 inch) pancakes	50 Servings: about 2 quarts 2 cups (batter)
	100 Servings: 100 (4 inch) pancakes	100 Servings: about 1 gallon 1 quart (batter)

Pancakes

ns/Breads				Grains/Bread	ds	B-3
	Edi	ted 2004				
Special Tip: For 50 servings, use 4 oz (1 ⅓ cu place of eggs.	ps) dried whole eggs ar	nd 1 $\frac{1}{3}$ cups water in	Variation A. Pancakes (Us	ing Master Mix)		
	use 8 oz (2 $\frac{2}{3}$ cups) dried whole eggs and 2 $\frac{2}{3}$ cups water in		50 servings: Omit step 1. Use 2 lb 13 oz (2 qt 1 cup) Master (⅓ cup) sugar. In step 2, omit oil. In step 3, blend for 3 min speed. Continue with steps 4-6.			
				in step 2, omit oil. In st	oz (4 qt 2 cups) Master ep 3, blend for 3 minute	
Nutrients Per Se	erving					
Calories	127	Saturated Fat	0.89 g	Iron	1.09 mg	
Protein	3.36 g	Cholesterol	34 mg	Calcium	89 mg	

205 mg

0.5 g

Protein3.36 gCholesterol34 mgCalciumCarbohydrate16.26 gVitamin A84 IUSodiumTotal Fat5.34 gVitamin C0.1 mgDietary Fiber

Pizza Crust

/Breads					Grains/Breads	В
Ingredients	50	Servings	100 Servings		Directions	
ingreaterits	Weight	Measure	Weight	Measure	Directions	
					For best results, have all ingredients and utensils at room temperature.	
Enriched all-purpose flour	3 lb 8 oz	3 qt 1 cup	7 lb	1 gal 2 ½ qt	 Place flour, salt, sugar, and dry yeast in large mixer bowl. Mix with a dough hook for 30 seconds on low speed. 	
Salt		1 ½ tsp		1 Tbsp		
Sugar		2 Tbsp 1 tsp	2 oz	1/4 cup 2 tsp		
Active dry yeast (see Special Tip)		2 Tbsp 1 ½ tsp	2 oz	1/4 cup 1 Tbsp		
Water, warm (130° F)		1 qt ¼ cup		2 qt ½ cup	 Combine warm water and oil. Add liquids to the dry ingredients. Mix on low speed for 6 minutes. 	
Vegetable oil		⅓ cup		⅔ cup		
					 Divide and shape dough. For 50 servings, divide into 2 balls, 2 lb 6 oz each and one ball, 1 lb 3 oz. For 100 servings, divide into 5 balls, 2 lb 6 oz each. Let rest for 20 minutes. 	
Cornmeal	2 ½ oz	½ cup 2 Tbsp	5 oz	1 ¼ cups	4. Lightly coat sheet pans (18" x 26" x 1") and half-sheet pan (13" x 18" x 1") with pan release spray. For 50 servings, use 2 pans and 1 half-pan. For 100 servings, use 5 pans. Sprinkle each pan with 1 oz (3 Tbsp) cornmeal and each half-pan with ½ oz (1 Tbsp 1 ½ tsp) cornmeal.	
					 Place 2 lb 6 oz dough ball in center of each pan and 1 lb 3 oz dough ball in center of half-pan. Flatten dough by rolling or spreading dough ¹/₈" thick to rim of pans. Keep edges thicker than center. 	
					 For topping, baking, and portioning directions, see Pizza With Ground Beef Topping (D-31) or Pizza With Cheese Topping (D-30). 	
					Cut each sheet pan 4 x 5 (20 pieces). Cut each half-sheet pan 2 x 5 (10 pieces).	

Pizza Crust

is/Breads		Grains/Breads	B-14
SERVING:	YIELD:	VOLUME:	
1 portion provides 2 servings of grains/breads.	50 Servings: about 5 lb 15 oz	50 Servings: 2 sheet pans and 1	half-sheet pan
	100 Servings: about 11 lb 14 oz	100 Servings : 5 sheet pans	
	Tested 2004		
Special Tip:			

To use high-activity (instant) yeast, follow manufacturer's instructions.

Nutrients Per Ser	ving			_	
Calories	137	Saturated Fat	0.26 g	Iron	1.62 mg
Protein	3.61 g	Cholesterol	0 mg	Calcium	6 mg
Carbohydrate	26.11 g	Vitamin A	3 IU	Sodium	71 mg
Total Fat	1.83 g	Vitamin C	0.0 mg	Dietary Fiber	1.1 g

Pourable Pizza Crust

Breads					Grains/Breads	
Ingredients	50	50 Servings		Servings	Directions	
	Weight	Measure	Weight	Measure	Directions	
					For best results, have all ingredients and utensils at room temperature.	
Active dry yeast (see Special Tip)		3 Tbsp	2 ½ oz	1/4 cup 2 Tbsp	 Mix dry yeast, flour, dry milk, sugar, and salt together. 	
Enriched all-purpose flour	3 lb 8 oz	3 qt 1 cup	7 lb	1 gal 2 ½ qt		
Instant nonfat dry milk	9 ¼ oz	3 ¾ cups 2 Tbsp	1 lb 2 ½ oz	1 qt 3 ¾ cups		
Sugar	5 ¼ oz	³∕₄ cup	10 ½ oz	1 ½ cups		
Salt		1 ¼ tsp		2 ½ tsp		
Vegetable oil		2 Tbsp		1⁄4 cup	 Add oil to dry mixture blend for 4 minutes on low speed. 	
Water, warm (130° F)		2 qt		1 gal	 Add water to dry ingredients. Blend for 10 minutes on medium speed. Batter will be lumpy. 	
Cornmeal	2 ½ oz	½ cup 2 Tbsp	5 oz	1 ¼ cups	4. For 50 servings, lightly coat 2 sheet pans (18" x 26" x 1") and 1 half-sheet pan (13" x 18" x 1") with pan release spray. For 100 servings, lightly coat 5 sheet pans (18" x 26" x 1") with pan release spray. Sprinkle each full sheet pan with 1 oz (approximately ¼ cup) cornmeal and sprinkle each half-sheet pan with ½ oz (approximately 2 Tbsp) cornmeal.	
					 Pour or spread 3 lb 7 oz (2 qt 1 cup) batter into each sheet pan and 1 lb 11 ½ oz (1 qt ½ cup) into each half-sheet pan. Let stand for 20 minutes. 	
					 Prebake until crust is set: Conventional oven: 475° F for 10 minutes Convection oven: 425° F for 7 minutes 	
					 Top each prebaked crust with desired topping or use Pizza With Ground Beef Topping (D-31), or Pizza With Cheese Topping (D-30). 	
					 Bake until heated through and cheese is melted: Conventional oven: 475° F for 10-15 minutes Convection oven: 425° F for 5 minutes 	3
					 Portion by cutting each sheet pan 4 x 5 (20 pieces per pan). Portion by cutting each half-sheet pan 2 x 5 (10 pieces per pan). 	

Pourable Pizza Crust

_
and 1 half-sheet pan

To use high-activity (instant) yeast, follow manufacturer's instructions.

Nutrients Per Serving								
Calories	158	Saturated Fat	0.16 g	Iron	1.67 mg			
Protein	5.51 g	Cholesterol	1 mg	Calcium	71 mg			
Carbohydrate	31.31 g	Vitamin A	127 IU	Sodium	89 mg			
Total Fat	0.96 g	Vitamin C	0.3 mg	Dietary Fiber	1.1 g			

Rolls (Yeast)

Breads					Grains/Breads	
Ingredients	50 Servings		100 Servings		Directions	
ingreatents	Weight	Measure	Weight	Measure		
			I		For best results, have all ingredients and utensils at room temperature.	
Active dry yeast (see Special Tip)		⅓ cup	3 ¼ oz	½ cup 2 Tbsp	 Dissolve dry yeast in warm water. Let stand for 4-5 minutes. 	
Water, warm (110° F)		1 ½ cups		3 cups		
Enriched all-purpose flour	3 lb 10 oz	3 qt 1 ½ cups	7 lb 4 oz	1 gal 2 ¾ qt	 Place flour, dry milk, sugar, and salt in mixer bowl. Blend with dough hook for approximately 2 minutes on low speed. 	
Instant nonfat dry milk	3 ¼ oz	1 ⅓ cups	6 ½ oz	2 ⅔ cups		
Sugar	5 ¾ oz	3/4 cup 2 Tbsp	11 ½ oz	1 ³ ⁄ ₄ cups		
Salt		2 Tbsp	2 ½ oz	¼ cup		
Vegetable oil		¾ cup 2 Tbsp		1 ⅔ cups	Add oil and blend for approximately 2 minutes on low speed.	
Water (68° F)		2 ½ cups		1 qt 1 cup	4. Add water. Mix for 1 minute on low speed.	
					Add dissolved yeast and mix for 2 minutes on low speed.	
					Knead dough on medium speed for 8 minutes, or until dough is smooth and elastic.	
					 Place dough in warm area (about 90° F) for 45-60 minutes. 	
					8. Punch down dough to remove air bubbles.	
					 Form rolls from dough by pinching off 2 oz pieces and shaping. Place rolls in rows of 5 across and 10 down on sheet pans (18" x 26" x 1") which have been lightly coated with pan release spray. For 50 servings, use 1 pan. For 100 servings, use 2 pans. 	
					 Place in a warm area (about 90° F) until double in size, 30-50 minutes. 	
					 Bake until lightly browned: Conventional oven: 400° F for 18-20 minutes Convection oven: 350° F for 12-14 minutes 	i
Margarine or butter, melted (optional)		1 Tbsp		2 Tbsp	 Optional: Brush lightly with melted margarine o butter (approximately 1 Tbsp per pan) while warm. 	•

Rolls (Yeast)

s/Breads			Grains/Breads	В			
SERVING:	YIELD:		VOLUME:				
1 roll provides 2 servings of grains/breads.	50 Servings: about 6	lb 4 oz (dough)	50 Servings: about 50 rolls				
	100 Servings: about 1.	2 lb 8 oz (dough)	100 Servings : about 100 rolls				
	Tested 2004						
Special Tip: To use high-activity (instant) yeast, follow direct instructions.	To use high-activity (instant) yeast, follow directions below or manufacturer's		lls				
yeast. Continue with step 3. In step 4, add 1 qt	For 50 servings, omit step 1. In step 2, add ¼ cup high-activity (instant) yeast. Continue with step 3. In step 4, add 1 qt water (110° F). Omit step 5. In step 6, knead for 10 minutes. Continue with steps 7-12.			50 and 100 servings: Follow steps 1-8. In step 9, shape 2 oz pieces of dough to approximately 2 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ ". Place rolls in rows of 8 down and 4 across on sheet pans which have been lightly coated with pan release spray. Continue with steps 10-12.			
For 100 servings, omit step 1. In step 2, add 2 (instant) yeast. Continue with step 3. In step 4,		B. Hamburger Ro	lls				
step 5. In step 6, knead for 10 minutes. Continu		50 and 100 servings: Follow steps 1-8. In step 9, shape and flatten 2 oz pieces of dough to approximately 4" in diameter. Place rolls in rows of 6 dou and 4 across on sheet pans which have been lightly coated with pan release spray. Continue with steps 10-12.					
		C. Wheat Rolls	olls				
		all-purpose or bre	servings: Follow step 1. In step 2, use 1 lb 13 oz (1 qt 2 $\frac{1}{2}$ cups) enric purpose or bread flour and 1 lb 13 oz (1 qt 2 $\frac{3}{4}$ cups) whole wheat flo ntinue with steps 3-12.				
			low step 1. In step 2, use 3 lb 10 oz (3 flour and 3 lb 10 oz (3 qt 1 ½ cups) w eps 3-12.				

Rolls (Yeast)

Grains/Breads					Grains/Breads			
	Nutrients Per Ser	ving						
	Calories	176	Saturated Fat	0.60 g	Iron	1.75 mg		
	Protein	4.53 g	Cholesterol	0 mg	Calcium	29 mg		
	Carbohydrate	29.80 g	Vitamin A	44 IU	Sodium	291 mg		
	Total Fat	4.21 g	Vitamin C	0.1 mg	Dietary Fiber	1.2 g		

Spanish Rice

able-Grains/Breads			Grains/Breads			
Ingredients	50 \$	Servings	100	Servings	Directions	
	Weight	Measure	Weight	Measure		
Vegetable oil		2 Tbsp		¼ cup	 Heat oil. Add onions, green peppers, and celery. Cook for 5 minutes. 	
*Fresh onions, chopped OR Dehydrated onions	7 ½ oz OR 1 ½ oz	1 ¼ cups OR	15 oz OR 3 oz	2 ½ cups OR		
,		1/2 cup		1 cup		
*Fresh green pepper, chopped	6 oz	1 ¼ cups	12 oz	2 ½ cups		
*Fresh celery, chopped Beef stock, non-MSG or water	8 oz	2 cups 1 qt 2 cups	1 lb	1 qt 3 qt	 Add beef stock or water and seasonings. Bring to boil. 	
†Seasonings Chili powder Ground cumin Paprika Onion powder		1 Tbsp 2 ¼ tsp ¾ tsp ¾ tsp		2 Tbsp 1 Tbsp 1 ½ tsp 1 ½ tsp 1 ½ tsp 1 ½ tsp		
Enriched white rice, long grain, regular OR Enriched white rice, long grain, parboiled	1 lb 11 oz OR 1 lb 13 oz	1 qt OR 1 qt ¾ cup	3 lb 6 oz OR 3 lb 10 oz	2 qt OR 2 qt 1 ½ cups	 Stir in rice, salt, and pepper. Return to boil. Boil for 5 minutes. Reduce heat and cover tightly. Cook over low heat for 10 minutes. CCP: Heat to 165° F or higher for at least 15 seconds. 	
Salt		2 tsp		1 Tbsp 1 tsp		
Ground black or white pepper		1 tsp		2 tsp		
Canned diced tomatoes, with juice	1 lb 3 ½ oz	1 ¾ cups	2 lb 7 oz	3 ½ cups	 Stir in diced tomatoes, tomato paste, and water. Cook over low heat for 10-15 minutes. Pour 8 lb (about 1 gallon ¾ cup) into a steamtable pan (12" x 20" x 2 ½") which has been lightly coated with pan release spray. For 50 servings, use 1 pan. For 100 servings, use 2 pans. 	
Canned tomato paste	7 oz	3/4 cup 1 Tbsp	14 oz	1 ½ cups 2 Tbsp		
Water		1 cup		2 cups		
					5. CCP: Hold for hot service at 135° F or higher.	
					Portion with No. 12 scoop (1/3 cup).	

Spanish Rice Vegetable-Grains/Breads

table-Grains/Breads		ls	B-17		
Comments: *See Marketing Guide.	Markating Guide for				
[†] Mexican Seasoning Mix (see G-01A, Sauces, Gravies, and Seasonings Mixes) may be used to replace these ingredients. For 50 servings, use 2 Tbsp 1 tsp Mexican Seasoning Mix. For 100		Mature onions	9 oz	1 lb 2 oz	
		Green peppers	8 oz	1 lb	
servings, use 74 cup 1 72 tsp Mexican Seasoning Mi	servings, use $\frac{1}{4}$ cup 1 $\frac{1}{2}$ tsp Mexican Seasoning Mix.		10 oz	1 lb 4 oz	
SERVING:	YIELD:		VOLUME:		
$\frac{1}{3}$ cup (No. 12 scoop) provides $\frac{1}{8}$ cup of vegetable and $\frac{1}{2}$ serving of grains/breads.	50 Servings	: about 8 lb	50 Servings:	about 1 gallon ³ / ₄ cup 1 steamtable pan	
	100 Serving	gs: about 16 lb	100 Servings:	about 2 gallons 1 ½ cups 2 steamtable pans	
	Tested 2004				

Tested 2004

Nutrients Per Serving											
Calories	69	Saturated Fat	0.15 g	Iron	0.78 mg						
Protein	1.58 g	Cholesterol	0 mg	Calcium	14 mg						
Carbohydrate	13.69 g	Vitamin A	266 IU	Sodium	134 mg						
Total Fat	0.84 g	Vitamin C	6.7 mg Dietary Fiber		0.7 g						

Sweet Potato-Plum Bread Squares

table/Fruit-Grains/Breads				Grains/Breads			
Ingredients	50	Servings	100	Servings	Directions		
ingredients	Weight	Measure	Weight	Measure	Directions		
Enriched all-purpose flour	2 lb 14 oz	2 qt 2 ½ cups	5 lb 12 oz	1 gal 1 ¼ qt	 Blend flour, sugar, brown sugar, dry milk, baking powder, baking soda, salt, allspice, nutmeg (optional), cinnamon, and shortening in a mixer for 3-5 minutes on low speed. 		
Sugar	14 ½ oz	2 cups	1 lb 13 oz	1 qt			
Brown sugar, packed	15 oz	3 ½ cups	1 lb 14 oz	1 qt 3 cups			
Instant nonfat dry milk		1/4 cup 2 Tbsp	1 ¾ oz	³∕₄ cup			
Baking powder		2 Tbsp ½ tsp	2 oz	¼ cup 1 tsp			
Baking soda		3 Tbsp	2 ¾ oz	¼ cup 2 Tbsp			
Salt		1 ½ tsp		1 Tbsp			
Ground allspice		1 ½ tsp		1 Tbsp			
Ground nutmeg (optional)		1 ½ tsp		1 Tbsp			
Ground cinnamon		2 tsp		1 Tbsp 1 tsp			
Shortening	15 oz	2 ¼ cups	1 lb 14 oz	1 qt ½ cup			
Canned mashed sweet potatoes OR Canned cut sweet potatoes, drained, mashed	3 lb 4 oz OR 3 lb 4 oz	1 qt 2 ¼ cups (½ No. 10 can) OR 1 qt 2 ¼ cups	6 lb 8 oz OR 5 lb 8 oz	3 qt ½ cup (1 No. 10 can) OR 3 qt ½ cup	 Add ½ of the sweet potatoes and mix for 2 minutes on low speed. 		
Frozen whole eggs, thawed OR	8 oz	3/4 cup 3 Tbsp	1 lb	1 ¾ cups 2 Tbsp	 Add eggs and water. Mix for 1 minute on low speed. 		
Fresh large eggs		OR F agab		OR 9 each			
(see Special Tip) Water		5 each					
Dehydrated plums without	7 ½ oz	2 cups 1 ¼ cups	15 oz	1 qt 2 ½ cups	5. Add dehydrated plums, remaining sweet		
pits (prunes), chopped OR †Raisins, plumped	0R 5 oz	OR 1 ½ cups	OR 10 oz	OR 2 3/2 cups	potatoes, and nuts (optional). Mix for 3 minutes on low speed.		
Chopped walnuts (optional)	6 ½ oz	1 ½ cups 2 Tbsp	13 oz	3 ¼ cups			
	0 // 02			0740000	 Lightly coat steamtable pans with pan release spray. Pour 10 lb 10 oz (3 qt 1 cup) batter into each steamtable pan (12" x 20" x 2 ½"). For 50 servings, use 1 pan. For 100 servings, use 2 pans. 		
					 Bake: Conventional oven: 350° F for 1 hour. Convection oven: 300° F for 40 minutes 		

Sweet Potato-Plum Bread Squares

Vegetable/Fruit-Grains/Breads	Grains/Breads	B-18
	8. Cool. Cut each pan 5 x 10 (50 pieces per pan)	
	 For loaf pans: Lightly coat with pan release spray. Pour 5 lb 5 oz (1 qt 2 ½ cups) batter into each loaf pan (4" x 10" x 4"). For 50 servings, use 2 pans. For 100 servings, use 4 pans. 	
	Bake: Conventional oven: 350° F for 1 hour 20 minutes Convection oven: 300° F for 45 minutes	
	Remove from pans. Cool completely. Cut each loaf into 25 slices, about %"-½" thick.	

Comments:

[†]To plump raisins, cover the fruit with very hot tap water. Soak 2-5 minutes. DO NOT OVERSOAK. Drain well before using.

SERVING:	YIELD:		VOLUME:				
1 piece provides ¹ / ₈ cup of vegetable and fruit and 1 ³ / ₄ serving of grains/breads.	50 Servings:	about 7 lb 6 oz 50 pieces	50 Servings:	about 3 quarts 1 cup (batter) 1 steamtable pan or 2 loaves			
	100 Servings:	about 14 lb 12 oz 100 pieces	100 Servings:	about 1 gallon 2 ½ quarts (batter) 2 steamtable pans or 4 loaves			
	Tested 2004						

Special Tip:

50 servings: Use 2 ¹/₂ oz (³/₄ cup 2 Tbsp) dried whole eggs and ³/₄ cup 2 Tbsp water in place of eggs.

100 servings: Use 5 oz (1 3/4 cups) dried whole eggs and 1 3/4 cups water in place of eggs.

Sweet Potato-Plum Bread Squares

Vegetable/Fruit-Grain	Vegetable/Fruit-Grains/Breads						B-18			
Nut	Nutrients Per Serving									
Cal	ories	283	Saturated Fat	2.33 g	Iron	2.05 mg				
Pro	otein	4.14 g	Cholesterol	19 mg	Calcium	66 mg				
Car	rbohydrate	46.49 g	Vitamin A	4586 IU	Sodium	391 mg				
Tot	tal Fat	9.31 g	Vitamin C	1.8 mg	Dietary Fiber	1.6 g				

White Bread

'Breads					Grains/Breads	
Ingredients	50	Servings	100 \$	Servings	Directions	
ingreatents	Weight	Measure	Weight	Measure		
					For best results, have all ingredients and utensils at room temperature.	
Active dry yeast (see Special Tip)		2 Tbsp 2 tsp	2 ½ oz	⅓ cup	 Dissolve dry yeast in warm water. Let stand for 4-5 minutes. 	
Water, warm (110° F)		½ cup		1 cup		
Enriched all-purpose flour	2 lb 3 oz	2 qt	4 lb 6 oz	1 gal	 Place flour, dry milk, sugar, and salt in mixer bowl. Blend with dough hook for approximately 2 minutes on low speed. 	
Instant nonfat dry milk		1/2 cup 2 Tbsp	3 oz	1 ¼ cups		
Sugar	2 ¼ oz	⅓ cup	4 ½ oz	⅔ cup		
Salt		1 Tbsp		2 Tbsp		
Water (70-75° F)		2 cups		1 qt	3. Add water and mix for 1 minute on low speed.	
					 Add dissolved yeast and mix for 2 minutes on low speed. 	
Shortening	2 ¼ oz	⅓ cup	4 ½ oz	⅔ cup	Add shortening and mix for 2 minutes on low speed.	
					Knead dough on medium speed for 8 minutes, or until dough is smooth and elastic.	
					 Place dough in warm area (about 90° F) for 45-60 minutes. 	
					 Divide dough into pieces, 1 lb 15 oz each. For 50 servings, divide into 2 pieces. For 100 servings, divide into 4 pieces. Shape each piece into a loaf and place in loaf pan (4 ½" x 16 ½" x 4") which has been lightly coated with pan release spray. For 50 servings, use 2 pans. For 100 servings, use 4 pans. 	
					 Place pans in a warm area (about 90° F) until double in size, 45-55 minutes. 	
					 Bake until lightly browned: Conventional oven: 400° F for 20-25 minutes Convection oven: 375° F for 18-22 minutes 	
					11. Cool. Cut each loaf into 25 slices, 3/3" thick.	
Margarine or butter, melted (optional)		1 Tbsp		2 Tbsp	 Optional: Brush top of each loaf lightly with melted margarine or butter (approximately 1 ½ tsp per loaf) while warm. 	

White Bread

ins/Breads				Grains/Bread	S	B-19
SERVING:	YIELD:			VOLUME:		
1 piece provides 1 serving of grains/breads.	50 Servings:	3 lb 14 oz 50 pieces		50 Servings:	2 loaves	
	100 Servings:	7 lb 12 oz 100 pieces	(dough)	100 Servings:	4 loaves	
	Tested 2004					
 Special Tip: To use high-activity (instant) yeast, follow directions instructions. For 50 servings, omit step 1. In step 2, add 2 Tbsp h yeast. In step 3, add 2 ½ cups water (110° F). Omit step 5. In step 6, knead for 10 minutes. Continue with For 100 servings, omit step 1. In step 2, add ¼ cup yeast. In step 3, add 1 qt 1 cup water (110° F). Omit step 5. In step 6, knead for 10 minutes. Continue with step 5. In step 6, knead for 10 minutes. Continue with step 5. In step 6, knead for 10 minutes. 	igh-activity (instan step 4. Continue v th steps 7-12. high-activity (insta t step 4. Continue	nt) vith nt)	all-purpose flour and 100 servings: Follow purpose flour and 14 B. Oat Bread With H 50 servings: Follow all-purpose flour and combine 3 ¾ oz (⅓ 100 servings: Follow purpose flour and 14 combine 7 ½ oz (⅔ C. Raisin Bread 50 servings: Follow with steps 3-5. In st minutes of mixing. (100 servings: Follow with steps 3-5. In st minutes of mixing. (d 7 oz (2 ¾ cups) ro v step 1. In step 2, u 4 oz (1 qt 1 ½ cups) loney step 1. In step 2, us d 7 oz (2 ¾ cups) ro cup) honey with wa v step 1. In step 2, us 4 oz (1 qt 1 ½ cups) cup) honey with wa step 1. In step 2, ad tep 6, add 13 oz (2 c Continue with steps 7 v step 1. In step 2, a cup 6, add 1 lb 10 oz Continue with steps 7 cover the fruit with ve	dd 1 Tbsp ground cinnamon. Cont (1 qt) †plumped raisins during las 7-12. ery hot tap water. Soak 2-5 minute	2. I all- -12. ned I all- , inue 2 inue t 2

White Bread

Grains/Breads	Grains/Breads	B-19
	D. Wheat Bread	
	50 servings: Follow step 1. In step 2, use 1 lb 10 oz (1 qt 1 $\frac{34}{4}$ cups) all-purpose flour and 9 oz (2 $\frac{14}{4}$ cups) whole wheat flour. Continue w 3-12.	
	100 servings: Follow step 1. In step 2, use 3 lb 4 oz (2 qt 3 $\frac{1}{2}$ cups) all-purpose flour and 1 lb 2 oz (1 qt $\frac{1}{4}$ cups) whole wheat flour. Cont steps 3-12.	
	E. Wheat Bread With Honey	
	50 servings: Follow step 1. In step 2, use 1 lb 10 oz (1 qt 1 $\frac{34}{4}$ cups) all-purpose flour and 9 oz (2 $\frac{14}{4}$ cups) whole wheat flour. Omit sugar 3, mix 3 $\frac{34}{4}$ oz ($\frac{1}{3}$ cup) honey with water. Continue with steps 4-12.	
	100 servings: Follow step 1. In step 2, use 3 lb 4 oz (2 qt 3 $\frac{1}{2}$ cups) all-purpose flour and 1 lb 2 oz (1 qt $\frac{1}{4}$ cup) whole wheat flour. Omit step 3, mix 7 $\frac{1}{2}$ oz ($\frac{2}{3}$ cup) honey with water. Continue with steps 4	sugar. In

Nutrients Per Serving									
Calories	93	Saturated Fat	0.36 g	Iron	1.03 mg				
Protein	2.59 g	Cholesterol	0 mg	Calcium	14 mg				
Carbohydrate	17.11 g	Vitamin A	20 IU	Sodium	145 mg				
Total Fat	1.51 g	Vitamin C	0.1 mg	Dietary Fiber	0.7 g				

Oatmeal Muffin Squares

Breads					Grains/Breads
Ingredients	50	Servings	100	Servings	Directions
ingrouonto	Weight	Measure	Weight	Measure	
Rolled oats	8 oz	3 cups	1 lb	1 qt 2 cups	 Place oats in a stainless steel bowl and pour hot water over them. Let stand 20 minutes. Do not drain.
Water, hot		3 ½ cups		1 qt 3 cups	
Enriched all-purpose flour	1 lb 3 oz	1 qt ⅓ cup	2 lb 6 oz	2 qt ⅔ cup	Combine flour, baking soda, cinnamon, nutmeg, and salt in a bowl.
Baking soda		1 ¼ tsp		2 ½ tsp	
Ground cinnamon		1 ¼ tsp		2 ½ tsp	
Ground nutmeg		1 ¼ tsp		2 ½ tsp	
Salt		1 ¼ tsp		2 ½ tsp	
Margarine or butter	6 oz	³⁄₄ cup	12 oz	1 ½ cups	 In a separate mixing bowl, using a paddle attachment, beat the margarine or butter and sugars for 10 minutes. Scrape down the sides of the bowl. Add the vanilla, egg whites, yogurt, and applesauce. Beat for 3 minutes.
Brown sugar, packed	1 lb 2 oz	2 ¼ cups	2 lb 4 oz	1 qt ½ cup	
Sugar	1 lb 2 oz	2 ¼ cups	2 lb 4 oz	1 qt ½ cup	
Vanilla		2 ½ tsp		1 Tbsp 2 tsp	
Frozen egg whites, thawed OR Fresh large egg whites	9 oz	1 cup 2 Tbsp OR 7 each	1 lb 2 oz	2 ¼ cups OR 14 each	
Lowfat plain yogurt	2 oz	1/4 cup	4 oz	½ cup	
Canned applesauce	2 oz	1/4 cup	4 oz	½ cup	
					 Add the oat mixture and blend for 1 minute on low speed. Add the flour mixture and blend for 1 minute. Scrape down the sides of the bowl.
Rolled oats	3 oz	1 cup 2 Tbsp	6 oz	2 ¼ cups	 For topping: Combine rolled oats, flour, brown sugar, and margarine or butter and mix until crumbs are size of small peas.
Enriched all-purpose flour	1 oz	1⁄4 cup	2 oz	½ cup	
Brown sugar, packed	2 oz	1⁄4 cup	4 oz	½ cup	
Margarine or butter	2 oz	1/4 cup	4 oz	½ cup	

Oatmeal Muffin Squares

Grains/Breads	Grains/Breads	B-20
IS/Breads	6. Lightly coat each steamtable pan (12" x 20" x 2 ½") with pan release spray. Pour 3 qt ½ cup (7 lb 7 oz) batter into each pan and spread evenly. Sprinkle 1 ¾ cups of topping over each pan. For 50 servings, use 1 pan. For 100 servings, use 2 pans.	
	 Bake until golden brown and muffin pulls away from sides of pan: Conventional oven: 325° F for 45 minutes Convection oven: 325° F for 35 minutes 	
	8. Cut each pan 5 x 10 (50 pieces per pan).	

SERVING:	YIELD:			VOLUME:	
1 piece provides 1 serving of grains/breads.	50 Servings:	about 7 lb 1 oz 1 steamtable pan		50 Servings:	about 3 quarts ½ cup (batter) 50 pieces
	100 Servings:	about 14 lb 2 oz 2 steamtable pans		100 Servings:	about 1 gallon 2 ¼ quarts (batter) 100 pieces
	Edited 2004				
		Variation A. Peach	n: I Muffin Squa	ares	
		topping.	Spread 3 lb ay be pureed	2 oz of canned, slice	ans) for 1 hour prior to adding ed peaches (drained) over each pan. s of topping over fruit. Bake as
		B. Blueb	erry Muffin S	Squares	
		topping.	Spread 3 lb n. (Fruit may	2 oz of frozen blueb	ans) for 1 hour prior to adding perries (thawed and drained) over e 1 ¾ cups of topping over fruit.

Oatmeal Muffin Squares

Grains/Breads					Grains/Breads		B-20
	Nutrients Per Ser	ving					
	Calories	185	Saturated Fat	0.86 g	Iron	1.08 mg	
	Protein	2.87 g	Cholesterol	0 mg	Calcium	20 mg	
	Carbohydrate	34.51 g	Vitamin A	163 IU	Sodium	146 mg	
	Total Fat	4.23 g	Vitamin C	0.1 mg	Dietary Fiber	1.0 g	

Orange Rice Pilaf

'Breads					Grains/Breads	
Ingredients	50	Servings	100	Servings		Directions
	Weight	Measure	Weight	Measure		2
*Fresh onions, chopped OR Dehydrated onions	8 oz OR 1 ½ oz	1 ⅓ cups OR ¾ cup	1 lb OR 3 oz	2 ⅔ cups OR 1 ½ cups		orange juice, leaves in a stock pot. until onions are tender.
Water		3 ½ cups		1 qt 3 cups	,	
Orange juice		2 qt 1 cup		1 gal 2 cups		
Salt		2 tsp		1 Tbsp 1 tsp		
Ground black or white pepper		1 tsp		2 tsp		
Dried bay leaves		4 each		8 each		
Enriched white rice, long grain, regular	3 lb 6 oz	2 qt	6 lb 12 oz	1 gal	2. Weigh out 3 lb 6 oz o	f regular rice
OR Enriched white rice, long grain, parboiled	OR 3 lb 10 oz	OR 2 qt 1 ¼ cups	OR 7 lb 4 oz	OR 1 gal 2 ½ cups	OR 3 lb 10 oz of parboile steamtable pan (12" : servings, use 1 pan. pans. Pour 3 qt ½ cu each pan.	
						n: 350° F for 45 minutes 350° F for 30 minutes tes
					4. CCP: Hold for hot se Portion with No. 8 sc	ervice at 135° F or higher.
Sliced almonds, toasted (optional, see Special Tip)	2 oz	½ cup	4 oz	1 cup		oop (72 cup).
Comments:			Marketing	. Guide for S	elected Items	
*See Marketing Guide.			Food as Pur		50 Servings	100 Servinas
			Mature onions		10 oz	1 lb 4 oz
SERVING:		YIELD:			VOLUME:	
¹ / ₂ cup (No. 8 scoop) provides grains/breads.	1 serving of	50 Serving	s: about 9 lb 12	2 oz		1 gallon 2 ¼ quarts Imtable pan

Orange Rice Pilaf

Grains/Breads		Grains/Bread	ls	B-21
	100 Servings: about 19 lb 8 oz	100 Servings:	about 3 gallons 2 cups 2 steamtable pans	
	Tested 2004			
Special Tip:				

One-half cup (2 oz) of toasted almonds may be added to each pan of pilaf after cooking, for color and taste. To toast, spread almonds on a half-sheet pan (18" x 13" x 1"). Bake in a conventional oven at 350° F for 15 minutes, until lightly browned.

Nutrients Per Ser	ving	_			
Calories	126	Saturated Fat	0.07 g	Iron	1.06 mg
Protein	2.52 g	Cholesterol	0 mg	Calcium	14 mg
Carbohydrate	27.85 g	Vitamin A	40 IU	Sodium	94 mg
Total Fat	0.27 g	Vitamin C	17.7 mg	Dietary Fiber	0.5 g

Brown Rice Pilaf

/Breads					Grains/Breads	
Ingredients	50	Servings	100	Servings		Directions
	Weight	Measure	Weight	Measure		Directions
Brown rice, long grain, regular	2 lb 14 oz	1 qt 3 ¼ cups	5 lb 12 oz	3 qt 2 ½ cups		rown rice in each ' x 20" x 2 ½"). For 50 s. For 100 servings, use 4
Enriched white rice, long grain, regular	1 lb 11 oz	1 qt	3 lb 6 oz	2 qt	2. Place 13 1/2 oz regi	ular rice
OR Enriched white rice, long grain, parboiled	OR 1 lb 13 oz	OR 1 qt ¾ cup	OR 3 lb 10 oz	OR 2 qt 1 ½ cups	OR 14 1/2 oz of parboile steamtable pan (12"	
Chicken stock, non-MSG		1 gal 1 ½ cups		2 gal 3 cups	 Heat the chicken store a pot. Bring to a boil 	ock, pepper, and onions in l.
Ground black or white pepper		½ tsp		1 tsp		
*Fresh onions, diced 1/4 " OR Dehydrated onions	4 oz OR 1 oz	³¼ cup OR 2 Tbsp	8 oz OR 2 oz	1 ½ cups OR ¼ cup		
					4. Add 2 qt 1 cup of ho each pan. Cover wit	ot chicken stock mixture to h foil or metal lid.
						en: 350° F for 50 minutes : 350° F for 40 minutes utes
					CCP: Heat to 165° seconds.	F or higher for at least 15
					6. CCP: Hold for hot s	ervice at 135° F or higher.
					Portion with No. 8 se	coop (½ cup).
Comments: *See Marketing Guide.			Marketing	Guide for S	elected Items	
See Marketing Guide.			Food as Pure	chased for	50 Servings	100 Servings
			Mature onions		5 oz	10 oz
SERVING:		YIELD:			VOLUME:	
½ cup (No. 8 scoop) provides grains/breads.	1 serving of	50 Serving	s: about 12 lb 7	OZ		it 1 gallon 2 ¼ quarts camtable pans

Brown Rice Pilaf

Grains/Breads					Grains/Bread	ls	B-22
			100 Servings: about 2	4 lb 14 oz	100 Servings:	about 3 gallons 2 cup 4 steamtable pans	DS
		T	Tested 2004				
	Nutrients Per Se	rving					
	Calories	146	Saturated Fat	0.21 g	Iron	0.83 mg	
	Protein	3.50 g	Cholesterol	0 mg	Calcium	16 mg	
	Carbohydrate	30.37 g	Vitamin A	0 IU	Sodium	55 mg	
	Total Fat	0.97 g	Vitamin C	0.3 mg	Dietary Fiber	1.6 g	

Rice-Vegetable Casserole

able-Grains/Breads					Grains/Breac	ls
Ingredients	50	Servings	100	Servings		Directions
ingioaicino	Weight	Measure	Weight	Measure		
Enriched white rice, long grain, regular OR	2 lb 8 oz OR	1 qt 2 cups OR	5 lb	3 qt OR	parboiled rice	regular rice or 2 lb 11 oz e into steamtable pan 2 ½ "). For 50 servings, use 1
Enriched white rice, long grain, parboiled	2 lb 11 oz	1 qt 2 ¾ cups	5 lb 6 oz	3 qt 1 ½ cups	pan. For 100	servings, use 2 pans. Cover with al lid. Steam for 20 minutes.
Chicken stock, non-MSG		2 qt 1 cup		1 gal 2 cups	2. Add 2 qt 1 cu	up chicken stock per pan.
Vegetable oil		¼ cup		½ cup		an, sauté carrots and peas in oil t, about 5 minutes.
*Fresh carrots, diced	1 lb 4 oz	1 qt ¾ cup	2 lb 8 oz	2 qt 1 ½ cups		
Frozen peas	1 lb 4 oz	3 ¼ cups	2 lb 8 oz	1 qt 2 ½ cups		
Ground black or white pepper	Ground black or white pepper			1 tsp	of cooked ve	epper and 1 qt 3 cups (2 lb 8 oz) getables to each pan of hot rice. ne thoroughly.
					CCP: Heat t seconds.	o 165° F or higher for at least 15
					5. CCP: Hold f	or hot service at 135° F or higher.
					Portion with	No. 6 scoop (⅔ cup).
Comments: *See Marketing Guide.			Marketing	Guide for S	elected Item	S
See Hurketing Guide.			Food as Pur	chased for	50 Servings	100 Servinas
			Carrots		1 lb 9 oz	3 lb 2 oz
SERVING:		YIELD:			VOLUME:	
$\frac{2}{3}$ cup (No. 6 scoop) provides and $\frac{3}{4}$ serving of grains/bread		ble 50 Serving	s: about 13 lb :	14 oz	50 Servings:	about 2 gallons 1 cup 1 steamtable pan
		100 Servin	gs: about 27 lb 1	.2 oz	100 Servings:	about 4 gallons 2 cups 2 steamtable pans

Rice-Vegetable Casserole

Vegetable-Grain	ns/Breads				Grains/Breads		
	Nutrients Per Ser	ving					
	Calories	102	Saturated Fat	0.22 g	Iron	0.96 mg	
	Protein	2.44 g	Cholesterol	0 mg	Calcium	13 mg	
	Carbohydrate	19.63 g	Vitamin A	2608 IU	Sodium	40 mg	
	Total Fat	1.37 g	Vitamin C	1.4 mg	Dietary Fiber	1.2 g	