

ANNUAL REPORT OF DAIRY PRODUCTS FOR 2018

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United States
Department of
Agriculture



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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Please make corrections to name, address and ZIP Code, if necessary.

This report includes production statistics of all leading dairy products made in the United States as well as stocks, shipments, and prices of selected dry milk and whey products. Please promptly complete and return this form in the enclosed envelope or fax to 1-855-270-2722. Report the volume of dairy products manufactured, stored or shipped from your plant during the previous year. Report the quantity of each product listed. If a product is not listed on this form, please report it in the additional spaces provided. Your cooperation is very important in order to accurately estimate the production, stocks and shipments of manufactured dairy products. If you need additional information to prepare this report or to properly classify the various manufactured products, refer to the detailed section by section instructions included with this form, or contact the Dairy Products statistician at the number found above.

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The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>.

Under **Public Law No. 106-532**, for those facilities storing human grade nonfat dry milk or dry whey, response to this inquiry is **mandatory**. This law specifically protects the confidentiality of your report from public disclosure, except as directed by the U.S. Secretary of Agriculture or the U.S. Attorney General for enforcement purposes to ensure compliance with the Dairy Product Mandatory Reporting program. For those facilities which do not store human grade nonfat dry milk or dry whey, response to this inquiry is **voluntary**.

INSTRUCTIONS

1. Report only the quantities of dairy products manufactured in your plant or plants at the address indicated. For dairy products not manufactured in your plant, please write NONE in the area provided for reporting these products.
2. The quantities should be reported in pounds or gallons, as indicated for the product.
3. Total dollars paid should be reported f.o.b. plant or your receiving station, whichever is the customary point for determining prices. Show total before hauling costs are deducted. Include quality, quantity, bulk tank or any other premiums.
4. All other instructions on how to complete this report start on page 14.

A. FROZEN DAIRY PRODUCTS AND MIXES

For the Year of 2018

(Include product used in novelties. Purchased mix should be included in mix used. Record units as gallons unless otherwise specified.)				
		January	February	March
1a. Regular Ice Cream, Hard Quantity Produced.	5211			
1b. Regular Ice Cream, Mix Used for Hard Production.	5106			
2. Regular Ice Cream, TOTAL Mix Produced.	5110			
3a. Lowfat Ice Cream, (light/reduced fat/lowfat) & milkshake, Hard Quantity Produced.	5221			
3b. Lowfat Ice Cream, (light/reduced fat/lowfat) & milkshake, Mix Used for Hard Production.	5126			
4. Lowfat Ice Cream, (light/reduced fat/lowfat) & milkshake, TOTAL Mix Produced.	5120			
5a. Nonfat Ice Cream, Hard Quantity Produced.	5241			
5b. Nonfat Ice Cream, Mix Used for Hard Production.	5139			
6. Nonfat Ice Cream, TOTAL Mix Produced.	5140			
7a. Reg/Lowfat Frozen Yogurt, Hard Quantity Produced.	5711			
7b. Reg/Lowfat Frozen Yogurt, Mix Used for Hard Production	5616			
8. Reg/Lowfat Frozen Yogurt, TOTAL Mix Produced	5611			
9a. Nonfat Frozen Yogurt, Hard Quantity Produced.	5721			
9b. Nonfat Frozen Yogurt, Mix Used for Hard Production	5617			
10. Nonfat Frozen Yogurt, TOTAL Mix Produced	5612			
11a. Sherbet, Hard Quantity Produced.	5231			
11b. Sherbet, Mix Used for Hard Production	5136			
12. Sherbet, TOTAL Mix Produced.	5130			
13. Juice and Water Ices.	5500			
14. Other frozen dairy products (Name _____) (_____ % milkfat).	5281			
15. Other frozen dairy products (Name _____) (_____ %	5282			
16. Other frozen dairy products (Name _____)	5283			

DISPOSITION OF MIX FOR FROZEN PRODUCTS

Of the total mix produced (Items 2, 4, 6, 8, 10 and 12 above), report the yearly total amounts of mix shipped or transferred within and outside the State

Disposition	Regular Ice Cream Mix (Item 2) gallons	Lowfat Ice Cream Mix (Item 4) gallons	Nonfat Ice Cream Mix (Item 6) gallons	Regular/Lowfat Yogurt Mix (Item 8) gallons	Nonfat Yogurt Mix (Item 10) gallons	Sherbet Mix (Item 12) gallons
Shipments WITHIN State	5310	5320	5330	5340	5350	5360
5400 Shipment OUT of State To: (State _____)	5410	5420	5430	5440	5450	5460
5400 Shipment OUT of State To: (State _____)	5410	5420	5430	5440	5450	5460
5400 Shipment OUT of State To: (State _____)	5410	5420	5430	5440	5450	5460

A. FROZEN DAIRY PRODUCTS AND MIXES

For the Year of 2018

(Include product used in novelties. Purchased mix should be included in mix used.
Record units as gallons unless otherwise specified.)

	April	May	June	July	August	September	October	November	December	Total
5211										
5106										
5110										
5221										
5126										
5120										
5241										
5139										
5140										
5711										
5616										
5611										
5721										
5617										
5612										
5231										
5136										
5130										
5500										
5281										
5282										
5283										

DISPOSITION OF MIX FOR FROZEN PRODUCTS

Of the total mix produced (Items 2, 4, 6, 8, 10 and 12 above), report the yearly total amounts of mix shipped or transferred within and outside the State

Disposition	Regular Ice Cream Mix (Item 2) gallons	Lowfat Ice Cream Mix (Item 4) gallons	Nonfat Ice Cream Mix (Item 6) gallons	Regular/Lowfat Yogurt Mix (Item 8) gallons	Nonfat Yogurt Mix (Item 10) gallons	Sherbet Mix (Item 12) gallons
5400 Shipment OUT of State To: (State _____)	5310	5320	5330	5340	5350	5360
5400 Shipment OUT of State To: (State _____)	5410	5420	5430	5440	5450	5460
5400 Shipment OUT of State To: (State _____)	5410	5420	5430	5440	5450	5460
5400 Shipment OUT of State To: (State _____)	5410	5420	5430	5440	5450	5460

B. CHEESE

For the Year of 2018

PRODUCT		Production Quantity pounds			
		January	February	March	April
1. American Cheddar cheese.	6110				
2. Colby, washed or stirred curd, Jack or Monterey cheese. . .	6120				
3. Swiss cheese.	6200				
4. Brick cheese.	6310				
5. Muenster cheese.	6320				
6. Hispanic type cheese.	6710				
7. Italian Hard, Parmesan and Similar cheese.	6430				
8. Italian Hard, Provolone and Similar cheese.	6410				
9. Italian Hard, Romano and Similar cheese.	6421				
10. Italian Hard, Asiago and Similar cheese.	6441				
11. Italian Soft, Mozzarella and Similar cheese.	6450				
12. Italian Soft, Ricotta and Similar cheese.	6460				
13. Italian Soft, Mascarpone and Similar cheese.	6475				
14. Italian, Other (Name _____).	6482				
15. Italian, Other (Name _____).	6492				
16. Cream cheese (not less than 33 percent milkfat).	6610				
17. Neufchatel cheese (20 to 32 percent milkfat).	6620				
18. No Fat Cream cheese.	6630				
19. Blue cheese and Gorgonzola.	6500				
20. Limburger cheese.	6700				
21. Feta Cheese.	6808				
22. Brie and Camembert Cheese.	6809				
23. Gouda cheese.	6803				
24. Edam cheese.	6802				
25. Havarti cheese.	6807				
26. Other cheese (Name _____) (_____ % milkfat)	6912				
27. Other cheese (Name _____) (_____ % milkfat)	6922				
Cottage Cheese					
28. Cottage cheese curd made in this plant (see instructions).	1910				
29. Creamed cottage cheese, 4% or more milkfat (see instructions). .	1920				
30. Lowfat cottage cheese, less than 4% milkfat (see instructions). . .	1930				
Processed Cheese and Cheese Foods					
31. Pasteurized process cheese (made from natural cheese).	7110				
32. Pasteurized process cheese foods and spreads.	7120				
33. Cold pack cheese, cheese foods.	7130				

C. MANUFACTURER'S WHEY PRODUCTS REPORT

For the Year of 2018

PRODUCT		Production (Quantity in Pounds)		
		January	February	March
CONCENTRATED WHEY (Exclude pre-concentrated for drying)				
1. Sweet-type. Human	Food (pounds of solids)	3501		
2. Sweet-type. Animal	Feed (pounds of solids)	3502		
3. Acid-type. Human	Food (pounds of solids)	3503		
4. Acid-type. Animal	Feed (pounds of solids)	3504		
DRY WHEY PRODUCTS				
5. Dry whey. Human	Food	4821		
6. Dry Whey. Animal	Feed	4822		
7. Reduced lactose whey. Human	Food	4881		
8. Reduced lactose whey. Animal	Feed	4882		
9. Reduced minerals whey. Human	Food	4883		
10. Reduced minerals whey. Animal	Feed	4884		
11. Whey protein concentrate:				
a. 25 - 49.9% Protein. Human	Food	4893		
b. 25 - 49.9% Protein. Animal	Feed	4894		
c. 50-89.9% Protein. Human	Food	4895		
d. 50-89.9% Protein. Animal	Feed	4896		
12. Whey Protein Isolate: 90% or greater. Human	Food	4898		
13. Whey Protein Fractions. Human	Food	4690		
14. Lactose. Human	Food	4887		
15. Lactose. Animal	Feed	4888		
16. Whey solids in wet blends Human	Food (pounds of solids)	4889		
17. Whey solids in wet blends. Animal	Feed (pounds of solids)	4890		
WHEY AND MILK PERMEATE				
(Include solids removed for all purposes, including fed and disposed by field spreading)				
18. Permeate, Dry, Finished Product.		4610		
19. Permeate, On or Off Farm UF or MPC by-product.		4620		
20. Delactose Permeate, Mother Liquor.		4630		
21. Deproteinized Whey.		4640		

D. MANUFACTURER'S DRY MILK REPORT

For the Year of 2018

PRODUCT	Production (Quantity in Pounds)		
	January	February	March
DRY MILK FOR HUMAN FOOD			
1. Nonfat dry milk (spray and roller)	4219		
2. Skim Milk Powders (30 - 40%)	4217		
3. Skim Milk Powder Blends (i.e., fortified with vitamins, minerals or oils)	4218		
4. Dry buttermilk	4310		
DRY MILK FOR ANIMAL FEED (spray and roller)			
5. Dry skim milk	4220		
DRY WHOLE MILK (spray and roller)			
6. Packages of over 5 lbs.	4110		
DRY MILK PROTEINS			
7. Milk Protein Concentrate, dry:			
a. 40.0 - 59.9% Protein	4651		
b. 60.0 - 89.9% Protein	4652		
8. Milk Protein Isolate, dry: 90% or greater	4653		
9. Casein, Dry	4810		
10. Caseinates, Dry	4815		

E. OTHER DAIRY PRODUCTS

For the Year of 2018

PRODUCT	Production (Quantity in Pounds)				
		January	February	March	April
1. Butter.	2100				
CONDENSED OR EVAPORATED PRODUCTS					
1. Evaporated whole milk, case goods.	3214				
2. Evaporated skim milk, case goods.	3215				
3. Unsweetened (plain) condensed whole milk, bulk goods.	3111				
4. Unsweetened (plain) condensed skim milk, bulk goods.	3112				
5. Sweetened condensed whole milk, bulk goods.	3121				
6. Sweetened condensed whole milk, case goods.	3124				
7. Sweetened condensed skim milk, bulk goods.	3122				
8. Condensed or evaporated buttermilk.	3400				
9. Canned concentrated milk, containing fats other than milkfat.	9330				
OTHER DAIRY PRODUCTS MANUFACTURED					
1. Lowfat dairy spread (_____ % milkfat).	8020				
2. Sour Cream.	8080				
3. Dry Cream.	4830				
4. Milk Calcium, dry.	4670				
5. Other _____ unit	8051				
6. Other _____ unit	8052				
7. Other _____ unit	8053				
8. Other _____ unit	8054				
YOGURT/KEFIR					
9. Total Yogurt, including plain and flavored.	1699				
10. Total Kefir, including plain and flavored.	1700				

F. MILK AND CREAM RECEIPTS

For the Year of 2018

(**Include** all milk and cream received direct from any producer regardless of location. **Exclude** receipts from other plants.)

INSTRUCTIONS: Total dollars paid should be reported f.o.b. plant or your receiving station, whichever is the customary point for determining prices. Report total before hauling costs are deducted. Include quality, quantity, bulk rate or other premiums.

FLUID GRADE MILK (Grade A)

		January	February	March
1. Total fluid grade milk received from farmers and your receiving stations	lb.	0111		
2. Total pounds of milkfat in fluid grade milk.	lb.	0112		
3. Total dollars paid for fluid grade milk.	dol.	0113		
4. Of the fluid grade milk reported in item 1., how much was produced outside of State?.	lb.	0121		

MANUFACTURING GRADE MILK (Grade B)

5. Total manufacturing grade milk received from farmers and your receiving stations (not eligible for fluid uses).	lb.	0211		
6. Total pounds of milkfat in manufacturing grade milk.	lb.	0212		
7. Total dollars paid for manufacturing grade milk.	dol.	0213		
8. Of the manufacturing grade milk reported in item 5, how much was produced outside of State?.	lb.	0221		

INSTRUCTIONS

1. Report only the quantities of dairy products manufactured in your plant or plants at the address indicated.
2. The quantities should be reported in pounds or gallons, as indicated for the product.
3. Total dollars paid should be reported f.o.b. plant or your receiving station, whichever is the customary point for determining prices. Report total before hauling costs are deducted. Include quality, quantity, bulk tank or any other premiums.
4. **Section A - FROZEN PRODUCTS** - Frozen dairy products are to be reported only by plants that do the freezing. Include production for both wholesale and retail sale. Include the equivalent, in gallons, of novelties and specialties, whether frozen with or without agitation; also freezer-made milkshake, frozen custards, frosted malted milk and any other frozen products except water ices according to the product definitions below: (Mix used for making frozen products should include total mix to make products manufactured regardless of whether it is purchased or made at your factory or plant.)
 - a. **Regular Ice Cream** - Include all ice cream and any other frozen dairy products made with a minimum milkfat content of 10 percent and not less than 4.5 pounds per gallon.
 - b. **Light/Reduced Fat/Lowfat Ice Cream** - Include all frozen desserts (*except sherbet, frozen yogurt products and nonfat ice cream*) made with less than 10 percent milkfat required for ice cream. Include all freezer-made milkshakes.
 - c. **Nonfat Ice Cream** - Include all frozen desserts that contain less than 0.5 grams total fat per 1/2 cup serving.
 - d. **Sherbet** - Include all frozen sherbet products made with milk (except Light/Reduced Fat/Lowfat/Nonfat Ice Cream and freezer-made milkshake) made with a milkfat content of not less than 1 percent and not more than 2 percent. Exclude water ices.
 - e. **Frozen Yogurt and Light/Reduced Fat/Lowfat Frozen Yogurt** - Include all cultured (i.e., by lactic acid producing bacteria) frozen dairy desserts which contain the same ingredients as ice cream. Frozen yogurt and lowfat frozen yogurt products have a milkfat content of 0.5 grams or greater per 1/2 cup serving and not less than 4.0 pounds per gallon.
 - f. **Nonfat Frozen Yogurt** - Include all cultured (i.e., by lactic acid producing bacteria) frozen dairy desserts which contain the same ingredients as ice cream. Nonfat frozen yogurt products must contain less than 0.5 grams of fat per 1/2 cup serving and not less than 4.0 pounds per gallon.
 - g. **Other frozen dairy products** - Include all frozen dairy products which are made with dairy ingredients that are not included in other categories. Also show any other products not reported under the above frozen items, giving the name and fat content, if any, of each product. Exclude whipped cream products.

MIX FOR FROZEN PRODUCTS

- h. **Regular Ice Cream mix** - Include all mix manufactured which contains at least 10 percent milkfat content (with or without additional ingredients such as egg yolk and malted milk powder) required for ice cream, whether for use in own plant or for sale to other plants. Mix for freezer-made milkshake, frozen custard, and frosted malted milk which does not contain at least 10 percent milkfat should be reported in the appropriate Light/Reduced Fat/Lowfat/Nonfat Ice Cream category.
- i. **Light/Reduced Fat/Lowfat Ice Cream mix** - Include all mix manufactured which contains less than 10 percent milkfat (with or without additional ingredients such as egg yolk and malted milk powder) required for ice cream, whether for use in own plant or for sale to other plants.
- j. **Regular and Lowfat Frozen Yogurt mix** - Include all frozen yogurt mix which contains at least 0.5 grams of fat per 1/2 cup serving.
- k. **Nonfat Frozen Yogurt mix** - Include all frozen yogurt mix which contains less than 0.5 grams of fat per 1/2 cup serving.
5. **Section B - CHEESE** - Report under Natural Cheese the weight of all cheese made from cow's milk, whether or not it may be subsequently converted to Processed Cheese or cold pack. Under Pasteurized Process and Cold Pack Cheese Products, report the weight of the final product, not the weight of the natural cheese used.
 - a. **Fresh Hispanic cheese** - Report all cheese classified as Hispanic and not reported in other categories. Hispanic cheese is a natural cheese with a ph of 5.7 or higher and a moisture content of 40 percent or more.
 - b. **Cottage cheese curd** - Report all **curd** made in your plant regardless of whether it is used for making partially creamed or creamed cottage cheese on the premises, or sold as **curd** either to consumers as such or to other plants for resale or further manufacture. Include under this item, all production of pot and Bakers cheese.
 - c. **Lowfat cottage cheese** - Report the final weight after creaming of all cottage cheese which has a milkfat content of less than 4 percent. Include production from both curd made in this plant and curd received from other plants. Include nonfat cottage cheese.
 - d. **Creamed cottage cheese** - Report the final weight after creaming of all cottage cheese which has a milkfat content of 4 percent or more. Include production from both curd made in this plant and curd received from other plants.

6. Section C - WHEY.

- a. Include production, prices, and stocks for each plant.
- b. **PRICES:** Average price should reflect manufacturer's price f.o.b. factory for all quantities sold during the month. (Value of sales divided by quantity sold.)
- c. **STOCKS:** Report all stocks on hand, regardless of ownership, whether held at the manufacturing plant, packaging plant, distribution points or in transit.
- d. **DRY WHEY STOCKS:** Stocks of dry whey for human consumption, regardless of grade, must be reported monthly. Both sweet and acid dry whey that has been pasteurized with no preservatives added, having all constituents of fluid whey, except moisture, retained in the same relative proportion, should be reported. Report all stocks on hand, regardless of ownership, whether held at the manufacturing plant, packaging plant, distribution points, or in transit. Stocks of purchased dry whey not intended for sale because it is intended to be used to produce other products should not be reported. Whey that has been modified (for example, whey protein concentrate or whey protein isolate) should not be reported as dry whey. Stocks of these products should be reported in the area indicated on the questionnaire.
- e. **CONCENTRATED WHEY:** The product obtained by the partial removal of water from fresh whey which has been pasteurized. Report final marketable product only. **DO NOT** include quantity used or shipped to another plant for further processing into dry whey or modified whey products.
- f. **REDUCED LACTOSE WHEY:** Whey from which a portion of the lactose has been removed. The lactose content of the dry product is less than 60%.
- g. **REDUCED MINERALS WHEY:** Whey from which a portion of the minerals has been removed. The ash (mineral) content of the dry product may not exceed 7%.
- h. **WHEY PROTEIN CONCENTRATE(WPC):** Whey product obtained by the removal of sufficient non-protein constituents (lactose, minerals) so that the finished dry product contains not less than 25% or more than 89.9% protein.
- i. **WHEY PROTEIN ISOLATE (WPI):** Whey product obtained by the removal of sufficient non-protein constituents (lactose, minerals) so that the finished product contains 90% or more protein.
- j. **WHEY PROTEIN FRACTIONS:** Any major or minor protein fraction obtained from whey.
- k. **LACTOSE:** Lactose for animal or industrial use. Report final marketable product only. **DO NOT** include quantity of crude sugar used or shipped to another plant for further processing into lactose for human consumption.
- l. **PERMEATE, DRY, FINISHED PRODUCT:** One of the products from ultra filtration, usually containing about 4.5% lactose. The concentration can be done either in a hyper filtration plant and an evaporator, or in an evaporator alone to 60% solids.
- m. **DELACTOSE PERMEATE, MOTHER LIQUOR:** In lactose production the remaining product after separation of the lactose crystals, usually by decanting, is called mother liquor. Usually contains 33 percent protein, 33 percent lactose solution/crystals, and 33 percent mineral salts.
- n. **PERMEATE, ON or OFF FARM UF or MPC BY PRODUCT:** Byproduct of UF milk or MPC production.
- o. **DEPROTEINIZED WHEY:** Product produced from sweet whey by means of ultra filtration when sufficient protein is removed from whey so that the finished dry product contains more than 75 percent lactose.

7 Section D - DRY MILK PRODUCTS

- a. Include shipments, prices, and stocks for all plants of your entire firm or cooperative.
- b. **SHIPMENTS:** Report as shipments only those goods shipped that have been sold. Exclude owned or custom dried quantities moving inter-plant or into storage.
- c. **PRICES:** Average price should reflect manufacturer's price f.o.b. factory or packaging plant for all bulk quantities sold during the month. The average price for packaged goods should include the cost of the package.
- d. **STOCKS:** Report all stocks on hand, regardless of ownership, whether held at the manufacturing plant, packaging plant, distribution points or in transit.
- e. **NONFAT DRY MILK STOCKS:** Stocks of nonfat dry milk for human consumption, regardless of grade, must be reported monthly. Nonfat dry milk stocks should be reported if produced from pasteurized skim milk, and contain not more than 5% moisture by weight and not more than 1.5% by weight of milkfat. Include instant nonfat dry milk, product fortified with vitamins and minerals, and all nonfat dry milk regardless of the type of heat process used to produce it. Spray dry and roller type nonfat dry milk should be reported. Report all stocks on hand, regardless of ownership, whether held at the manufacturing plant, packaging plant, distribution points, or in transit. Stocks purchased nonfat dry milk not intended for sale because it is intended to be used to produce other products should not be reported. A common example of nonfat dry milk stocks to exclude is nonfat dry milk purchased from someone else for use by your firm with the intention of cheese vat fortification.
- f. **NONFAT DRY MILK:** Product obtained by removal of water only from pasteurized skim milk. Contains not more than 5% by weight of moisture and not more than 1.5% by weight of milkfat. Include product fortified with vitamins and minerals. Include all nonfat dry milk regardless of the type of heat process used to produce product.

