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US Collection

Grain-Based Foods: United States

July 2018



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Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	5
Consumer Trends	6
Trade	8
Environmental & Regulatory Factors	10
3. Segmentation & Forecasts	12
Products	12
Commercial & Retail Bakery Products	15
Dough, Dry Pasta, & Tortillas	17
Cookies	18
Crackers	19
Breakfast Cereals	19
Frozen Foods	21
Other Products	22
4. Industry Structure	24
Industry Characteristics	24
Market Leaders	27
General Mills	27
Grupo Bimbo	28
Kellogg	28
5. About This Report	30
Scope & Method	30
Sources	31
Industry Codes	31
Resources	32

List of Tables & Figures

Figure 1 Key Trends in US Grain-Based Foods Demand, 2017 – 2022	3
Figure 2 US Grain-Based Foods Demand Trends, 2007 – 2017	4
Table 1 Key Indicators for US Grain-Based Foods Demand, 2007 – 2022 (US\$ bil)	5
Figure 3 Survey: US Adults Adhering to a Grain-Limiting Diet Over Last 12 Months (%)	6
Figure 4 Survey: US Households that Eat Cereal by Age & Gender (%)	7
Figure 5 Survey: US Adults that Purchased Low-Carb or Gluten-Free Foods in 2017 (%)	7
Figure 6 US Grain-Based Foods Trade, 2007 – 2017 (US\$ mil)	8
Table 2 US Grain-Based Foods Trade, 2007 – 2017 (US\$ mil)	8
Table 3 US Grain-Based Foods Trade by Country, 2007 – 2017 (US\$ mil)	9
Figure 7 US Grain-Based Foods Demand by Product, 2007 – 2022 (US\$ bil)	12
Table 4 US Grain-Based Foods Demand by Product, 2007 – 2022 (US\$ bil)	12
Figure 8 US Grain-Based Foods Shipments by Product, 2007 – 2022 (US\$ bil)	13
Table 5 US Grain-Based Foods Shipments by Product, 2007 – 2022 (US\$ bil)	13
Figure 9 US Commercial & Retail Bakery Products & Eating & Drinking Location Sales, 2007 – 2022	16
Figure 10 US Dough, Pasta, & Tortilla Demand & Food & Beverage Store Sales, 2007 – 2022	18
Figure 11 US Other Grain-Based Food Products & Snack Food Demand, 2007 – 2022	22
Figure 12 US Grain-Based Foods Demand by Product, 2007 – 2022 (%)	23
Figure 13 US Grain-Based Foods Firms, Establishments, & Employment, 2007 – 2015	25
Table 6 US Grain-Based Foods Firms, Establishments, & Employment, 2007 – 2015	25
Table 7 Leading Suppliers to the US Grain-Based Foods Market by Segment	27
Table 8 Industry Codes Related to Grain-Based Foods	31

About This Report

Scope & Method

This report forecasts to 2022 US grain-based foods demand and shipments in nominal US dollars at the manufacturer level. Total demand and shipments are segmented by product in terms of:

- commercial and retail bakeries
- dough, pasta, and tortillas
- crackers
- cookies
- breakfast cereals
- frozen goods
- other products such as granola and cereal bars, non-frozen perishable prepared foods, and grain-based snack foods

To illustrate historical trends, total demand, total shipments, the various segments, and trade are provided in annual series from 2007 to 2017.

Grain-based foods are based on flour derived from the processed seeds of grain crops (including corn), yielding starch-enriched flours for use in baking and other modes of food preparation. In addition, flours derived from alternative sources such as fruits, vegetables, or nuts (e.g., almonds) are also included. Animal food is excluded from the scope of this report, as are non-grain-based snack foods. Re-exports of grain-based foods are excluded from demand and trade figures.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Grain-Based Foods: United States (FF10016) represents the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 8 | Industry Codes Related to Grain-Based Foods

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
311230	Breakfast Cereal Mfg	2038	Frozen Specialties, NEC
311340	Nonchocolate Confectionary Mfg	2043	Cereal Breakfast Foods
311412	Frozen Specialty Food Mfg	2045	Prepared Flour Mixes and Doughs
311811	Retail Bakeries	2051	Bread and Other Bakery Products, Except Cookies and Crackers
311812	Commercial Bakeries	2052	Cookies and Crackers
311813	Frozen Cakes, Pies, and Other Pastries Mfg	2053	Frozen Bakery Products, Except Bread
311821	Cookie and Cracker Mfg	2064	Candy and Other Confectionary Products
311822	Flour Mixes and Dough Mfg from Purchased Flour	2096	Potato Chips, Corn Chips, and Similar Snacks
311823	Dry Pasta Mfg	2098	Macaroni, Spaghetti, Vermicelli, and Noodles
311830	Tortilla Mfg	2099	Food Preparations, NEC
311919	Other Snack Food Mfg	5461	Retail Bakeries
311991	Perishable Prepared Food Mfg		

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Food Containers in the US, April 2018

Food Safety Products in the US, April 2018

Foodservice Single-Use Products in the US, December 2017

Freedonia Focus Reports

Dairy Products: United States

Frozen Foods: United States

Food Containers: United States

Food Safety Products: United States

Nutritional Bars & Shakes: United States

Snack Foods: United States

Packaging Films: United States

Restaurants & Foodservice: United States

Freedonia Custom Research

Trade Publications

Baking Business

Food Business News

Food Processing

Grocery Business

Prepared Foods

Refrigerated & Frozen Foods

Snack Food & Wholesale Bakery

Agencies & Associations

AIB International

American Baker's Association

American Society of Baking

The Biscuit & Cracker Manufacturers' Association

Grain Foods Foundation

Retail Bakers of America

Institute of Food Technologists

United States Census Bureau

United States Department of Agriculture

United States Food & Drug Administration

United States International Trade Commission