

Table of Contents

Charts are indicated in italics

CHAPTER 1: CONSUMER TRENDS	1-9
A Look at the Industry's 2018 Food Trends	1
Consumers Prefer Plant-Based Alternatives	1
The Perks of Premium Coffee	2
Health, Convenience Benefits Redefine Frozen Food	2
Snacking on the Sweet and Salty, Healthy Indulgence Trend	3
<i>Top Sweet Snacks</i>	4
What Do Millennials Want?	4
<i>The Millennial Cohort's Shopping Smartphone Use</i>	5
The Rise of the Gen Z Consumer	5
Consumers Still Prefer Brick-and-Mortar Retailers	6
<i>Online and In-store Grocery Shopping in the U.S.</i>	7
The C-Stores of the Future	7
Technology Is Changing the Face of Consumer Shopping	8
Safety Is a Concern with Online Groceries	9
Using Technology to Engage the Shopper	9
CHAPTER 2: RETAILING FORMATS	10-27
Amazon, Whole Foods Market in Year One	10
<i>Whole Foods Market Year-Over-Year Traffic Growth, 2017</i>	10
<i>Why Occasional Grocery Shoppers Would Spend More on Amazon Groceries</i>	11
<i>Overlap Between Amazon and Whole Foods Market Shoppers</i>	11
Specialty Grocers Face Increased Competition	12
<i>Largest Defection of Customers to Whole Foods</i>	12
<i>Sources of Whole Foods' New Customers</i>	12
United Natural Foods to Acquire Supervalu	13
Retailer Competition Pressuring Producers to Cut Prices.....	14
<i>Changes in Purchases Made at Local Supermarkets by Department</i>	14
Walmart Expands Grocery Services in the U.S.....	14
<i>Food Prices, Amazon vs. Walmart</i>	15
<i>Price of Food Products, Amazon vs. Walmart</i>	15
Independent Grocers Inspire Loyalty in Regular Customers.....	16
<i>Likelihood of Switching Independent Grocers</i>	16
Kroger Unveils Plan to Update the Customer Experience.....	17
Another Record Year for U.S. Convenience Store Sales	18
<i>Other Foods Purchased at Convenience Stores in Addition to Prepared Food</i>	18
<i>Fastest Growing Convenience Store Food Categories</i>	19
<i>Reasons for Not Considering a Convenience Store for Future Purchases</i>	19
Albertsons, Rite Aid Call Off Merger	20
Wegmans Tops Customer Experience Poll.....	21
<i>2018 Temkin Experience Ratings</i>	21
Southeastern Grocers Enters into Bankruptcy	21
Shoppers Visit Multiple Stores, Banners Weekly	22
<i>Share of Shoppers by Income</i>	22
Target Acquires Shipt To Offer Same-Day Delivery	23
Costco to Expand to China for First Time in 2019.....	23
Ahold Delhaize USA Renovates Stores in the Mid-Atlantic	23
Hy-Vee Looks to Smaller Growth.....	24

H-E-B Expands Technology Uses	24
Alternative Formats Expected to Continue Taking Grocery Store Trips	25
<i>Primary Grocers of Shoppers Who Tried Lidl for the First Time</i>	25
Online Grocery Shopping Increasing at Faster Pace	26
Amid Rising Prevalence of Online Shopping, What Do Grocery Shoppers Want?	26
CHAPTER 3: RESTAURANTS & FOODSERVICE	28-37
Technology Innovation a Must for Foodservice Outlets	28
<i>Most Popular Guest-Facing Restaurant Technology</i>	28
<i>How Guests Prefer to Order When Kiosks Are Available</i>	29
Limited-service Chains Focus on the Value Menu	30
Labor Issues Strike the Foodservice Industry.....	31
<i>How Has the Economy Impacted Staffing?</i>	31
Tallying the Top Restaurants in the Industry.....	32
<i>Top 500 U.S. Sales & Unit Growth</i>	32
<i>Fastest-Growing Segments</i>	33
Restaurants Battle with Foodborne Illnesses	33
Fighting Plastic, Polystyrene Waste at Restaurants	34
<i>Restaurant Recycling Programs</i>	35
Shaking Up Menus to Reinvigorate Sales.....	35
<i>Limited Service Chains Sales Growth by Menu Type</i>	36
What Chains Score the Highest on Customer Satisfaction?	36
<i>Restaurant Market Share</i>	36
CHAPTER 4: SOCIAL MEDIA & MOBILE MARKETING	38-49
Technology, Social Media Continue to Ingrain Themselves in the Food Industry In 2018..	38
<i>Global Digital Snapshot of Active Technology Users</i>	38
<i>Smartphone Ownership</i>	38
Top Social Media Platforms of 2018	39
<i>Top 10 Social Media Platforms</i>	39
<i>Top 10 Social Networking Apps</i>	39
<i>Percentage Breakdown of Selected Consumer Social Media Usage</i>	40
Chatbots Continue to Gain Traction in 2018.....	41
<i>Percentage of Consumers Interested in Chatbots from Major Brands</i>	42
<i>Likelihood of Purchasing from Chatbots</i>	42
<i>Percentage of Consumers Interested in Using a Chatbot</i>	42
<i>Average Time Spent Per Day with Mobile Messaging Apps by Adults In The United States 2015 to 2019</i>	43
Mobile Payments Continue to Gain Traction in 2018.....	44
<i>Mobile Wallet Usage on Smartphones as a Percentage of Adults That Have Smartphones in the U.S.</i>	44
Security, Data Threats More Prevalent in 2018	45
Blockchain's Implications on Marketing Become Apparent	47
Shopping by Voice a Hard Sell for Consumers.....	48
Have We Reached Peak Screen?.....	49
CHAPTER 5: ECONOMIC PULSE	50-102
Wholesale Food Deflation Increases In August	50
<i>August Wholesale/Retail Price Gap Widened, Benefitting Retailers</i>	50
Retail Food Inflation At Just 0.5% Through August	50
Retail Food Store Sales Outpaced Inflation By 2.5 Points In August	50
<i>Revised Retail Food Store Performance - Jan. 1 - Aug. 31</i>	51
Warehouse Club/Supercenter Sales Up 3.9% Through July.....	51
<i>Alternative Retailer Performance Jan. 1 - July 31</i>	51

Eating & Drinking Place Sales Rose 11.3% In August Nearly as Much as Payroll Claims	52
<i>Restaurant Industry Performance - Jan. 1 - Aug. 31</i>	52
Food Industry Economic Indicators Glossary of Key Terms	53
Economic Indicator: Agricultural Trade Data	55
Economic Indicator: Case-Shiller Index	56
Economic Indicator: Consumer Confidence Index	57
Economic Indicator: Consumer Price Index	58
Economic Indicator: Crude Oil Inventories	59
Economic Indicator: Durable Goods Orders	60
Economic Indicator: Employment Cost Index	61
Economic Indicator: Employment Situation	62
Economic Indicator: Farm Production Expenses	63
Economic Indicator: Food Price Outlook	64
Economic Indicator: Gross Domestic Product	65
Economic Indicator: Import and Export Prices	66
Economic Indicator: Industrial Production and Capacity Utilization	67
Economic Indicator: Leading Economic Index	68
Economic Indicator: MBA Mortgage Application Index	69
Economic Indicator: Monthly Retail Sales	70
Economic Indicator: Monthly Wholesale Trade	71
Economic Indicator: New Home Sales	72
Economic Indicator: Producer Price Index	73
Economic Indicator: Productivity and Costs Report	74
Economic Indicator: Purchasing Managers Index	75
Economic Indicator: Richmond Federal Reserve Manufacturing Survey	76
Economic Indicator: The Beige Book	77
Economic Indicator: University of Michigan Consumer Sentiment Index	78
Economic Indicator: Weekly Unemployment Claims	79
CPI and PPI	80
<i>2017 Producer Price Index - Farm Products</i>	85
<i>Producer Price Index - Farm Products</i>	85
<i>2017 Producer Price Index - Processed Foods and Feeds</i>	86
<i>Producer Price Index - Processed Foods and Feeds</i>	86
<i>2017 Producer Price Index - Grains</i>	87
<i>Producer Price Index - Grains</i>	87
<i>2017 Producer Price Index - Bakery</i>	88
<i>Producer Price Index - Cereal and Bakery</i>	88
<i>2017 Producer Price Index - Dairy</i>	89
<i>Producer Price Index - Dairy</i>	89
<i>2017 Producer Price Index - Meat</i>	90
<i>Producer Price Index - Meat</i>	90
<i>2017 Producer Price Index - Fats and Oils</i>	91
<i>Producer Price Index - Fats and Oils</i>	91
<i>2017 Producer Price Index - Processed Fruits and Vegetables</i>	92
<i>Producer Price Index - Processed Fruits and Vegetables</i>	92
<i>2017 Producer Price Index - Beverages</i>	93
<i>Producer Price Index - Beverages</i>	93
<i>2017 Producer Price Index - Sugar and Confectionery</i>	94
<i>Producer Price Index - Sugar and Confectionery</i>	94
<i>2017 Producer Price Index - Frozen Specialties</i>	95
<i>Producer Price Index - Frozen Foods</i>	95
<i>2017 Producer Price Index - Canned Specialties</i>	96
<i>Producer Price Index - Canned Food</i>	96
<i>2017 Producer Price Index - Misc. Processed Foods</i>	97

<i>Producer Price Index - Miscellaneous Products</i>	97
<i>2017 Consumer Price Index - All Items</i>	98
<i>Consumer Price Index - All Items</i>	98
<i>2017 Consumer Price Index - Food and Beverages</i>	99
<i>Consumer Price Index - Food and Beverages</i>	99
<i>2017 Consumer Price Index - Food</i>	100
<i>Consumer Price Index - Food</i>	100
<i>2017 Consumer Price Index - Food at Home</i>	101
<i>Consumer Price Index - Food at Home</i>	101
<i>2017 Consumer Price Index - Food Away from Home</i>	102
<i>Consumer Price Index - Food Away from Home</i>	102

CHAPTER 6: WASHINGTON103–128

Introduction to FSMA	103
FDA Extends Compliance Dates for Four FSMA Rules	103
FSMA Final Rule for Mitigation Strategies to Protect Food Against Intentional Adulteration	103
<i>New FDA Compliance Dates</i>	104
FDA Releases Two FSMA Final Rules for Human and Animal Food	107
FDA Releases Three Final Rules Under FSMA.....	117
USDA Studies Implementation Costs for FSMA Produce Safety Rule	120
FDA Publishes Three FSMA Guidance Documents for Specific Food Commodities	122
Annual Food Recalls More than Doubled Between 2004 and 2013	123
Food Recalls Up in the Second Quarter 2018	124
Will Foodborne Illnesses Be a Thing of the Past with Blockchain Tech?	125
OMB Proposes Plan to Reorganize some Executive Agencies.....	126
U.S., China Engage in Trade War.....	127

CHAPTER 7: PRIVATE LABEL129–134

For Warehouse Clubs, The Price Is Still Right	129
Consumers Prefer Private Label for Price, Name Brands for Quality	129
<i>Share of Purchases of Private Label Whole Foods Market Items on Amazon</i>	130
Private Label Brands Continue Driving Sales	130
<i>Share of Retailers' Customers Who Purchase Private Label Items at That Retailer</i>	131
Branded, Private Label Produce Playing Larger Role	131
<i>Share of Private Label Products by Area of Kitchen</i>	132
Whole Foods Product Sales Take Off on Amazon.com	132
<i>How Consumers Shop When Budgeting</i>	133
Groceries Expand Their Private Label Brands	133
Fresh, Private Label Among Growth Drivers at Grocers In 2017.....	134

CHAPTER 8: SPECIALTY, ORGANIC & SUSTAINABILITY135–145

State of the Specialty Food Industry	135
<i>Highest Market Share of Specialty Food: Top 10 Categories</i>	135
Organic Foods Remain Popular, But What Lies Ahead?	135
<i>2017 Organic Fresh Produce Sales Recap</i>	136
Meatless Meat: The Rising Star of the Food Industry	137
Consumers Gravitate Toward Plant-based Foods.....	139
<i>Plant-based Sales Performance</i>	139
Moving Meat Production from the Farm to the Lab	140
Investors Swarm to Specialty Food Companies	142
<i>Highest Dollar Growth of Specialty Food: Top 13 Categories</i>	142
Insect Protein Buzzes into the Mainstream	143
Specialty Grocers Compete Against Traditional Retailers.....	144

<i>Retail Sales of Specialty Food: Top 10 Categories</i>	144
CHAPTER 9: FOOD PROCESSING	146–154
Smaller Brands Set the Pace for New Product Launches	146
<i>2017 New Product Pacesetters: Top 10 Food and Beverage Brands</i>	146
Emotional Connection Is Key for Top Food Brands	147
<i>2018 US RepTrak Survey</i>	147
CPG Industry Is on the Upswing in 2018.....	147
Manufacturers Are Streamlining, Innovating to Propel Growth	147
Foodborne Illnesses Are a Major Concern for Processors	148
Food Processors Must Contend with Labeling Issues.....	149
E-Commerce Levels the Playing Field for Food Brands	149
Dynamic Changes May Be Ahead for Food and Beverage Firms	150
Sustainability Efforts Gain Momentum	150
Innovative Approaches Tackle Food Waste	151
How Will Soda Taxes Impact the Food Industry?	151
Manufacturers Work to Offset Rising Freight Costs	152
E-Commerce Growth Spurs Warehouse Demand	152
<i>Most Cold Storage Space by State, in Million Sq. Ft.</i>	153
Blockchain Is a Boon for Business, Despite Obstacles	153
CHAPTER 10: MERGERS & ACQUISITIONS	155–167
Food Industry M&A Keeps Climbing Higher in 2017	155
<i>Food Industry Merger & Acquisition Activity 2012-2017</i>	155
<i>Share of Food Industry Mergers & Acquisitions by Category</i>	156
<i>Food Industry Merger & Acquisition Activity by Category 2012-2017</i>	159
Brokers	160
<i>Brokers Merger & Acquisition Activity 2012-2017</i>	160
Food Processors/Manufacturers	161
<i>Food Processors/Manufacturers Merger & Acquisition Activity 2012-2017</i>	161
<i>Share of 2017 Food Industry Mergers & Acquisitions by Food Processors</i>	162
Investment Firms and Banks	163
<i>Investment Firms and Banks Merger & Acquisition Activity 2012-2017</i>	163
Restaurants	164
<i>Restaurants Merger & Acquisition Activity 2012-2017</i>	164
Convenience Stores	165
<i>Convenience Store Merger & Acquisition Activity 2012-2017</i>	165
Supermarkets	166
<i>Supermarket Merger & Acquisition Activity 2012-2017</i>	166
CHAPTER 11: DEMOGRAPHICS OF CONSUMER FOOD SPENDING	168–202
Explanations About the Consumer Expenditure Survey	168
Definitions	170
Average Annual Household Expenditures	177
Pre-Tax Income	178
Age	179
Region	179
<i>Average Annual Household Food Expenditures: 10-Year History</i>	180
<i>Average Household Food Expenditures, 2007-2016: At-Home vs. Away-From-Home</i>	181
<i>Average Annual Household Food Expenditures: 10-Year History</i>	182
<i>Average At-Home Food Expenditures: 10-Year History</i>	183
<i>Average Away-From-Home Food Expenditures: 10-Year History</i>	184
<i>Majority of At-Home Spending Went Toward Meats, Poultry, Fish, Eggs & Other Foods</i>	185

<i>Households Spend the Most At-Home Food Dollars on Other Foods in 2016</i>	<i>186</i>
<i>Spending by Percentage on Fruits & Vegetables, Cereal & Bakery Products in 2016</i>	<i>187</i>
<i>Spending by Percentage on Dairy Products, Meats, Poultry, Fish & Eggs in 2016</i>	<i>188</i>
<i>Average Annual Household Food Expenditures 2009 - 2016.....</i>	<i>189</i>
<i>Expenditures for Meats, Poultry, Fish & Eggs Category</i>	<i>190</i>
<i>Average Annual Household Expenditures for Meats & Poultry</i>	<i>191</i>
<i>Average Annual Household Expenditures for Fish, Eggs & Other Meat</i>	<i>192</i>
<i>Expenditures for Fruits & Vegetables Category</i>	<i>193</i>
<i>Average Annual Household Expenditures for Fruits & Vegetables.....</i>	<i>194</i>
<i>Expenditures for Cereals & Bakery Category</i>	<i>195</i>
<i>Average Annual Household Expenditures for Cereals & Bakery</i>	<i>196</i>
<i>Expenditures for Dairy Category</i>	<i>197</i>
<i>Average Annual Household Expenditures for Dairy Products</i>	<i>198</i>
<i>Expenditures for Other Food At-Home Category.....</i>	<i>199</i>
<i>Average Annual Household Expenditures for Other Food At-Home</i>	<i>200</i>
<i>Average Annual Household Expenditures for Fat & Oils and Out-of-Town Trips</i>	<i>201</i>