

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

### This report looks at the following areas:

- Barriers to PBMA product trial
- How brands can reengage lapsed PBMA consumers
- Why clean label product innovation can boost consumer perception toward PBMAs
- PBMA product development trends
- Why consumers purchase refrigerated vs frozen PBMA products

After experiencing a rapid rise, the PBMA (plant-based meat alternative) market finds itself facing a challenging short term future. Sales of refrigerated PBMA products have faltered in just a few short years while the frozen PBMA segment has stagnated. Consumers feel uneasy about their personal finances as a result of inflation and are eschewing expensive PBMA products in favor of familiar foods such as affordable meat products and natural plant-based protein options such as legumes. Over half of consumers say rising inflation has made them less likely to try new foods and less than a third of consumers anticipate eating more PBMA products this year.

The PBMA market at large continues to struggle with negative perceptions among consumers; many view PBMAs as less tasty and nutritious than meat and too expensive. Even core category consumers like flexitarians perceive PBMAs to be too processed; over a third of all flexitarians are lapsed PBMA consumers.

Reasons for optimism still exist despite the market's current malaise. PBMA product innovation remains relatively strong as brands abandon the refrigerator and return to the familiarity of the frozen products and even expand into the center-of-store. The market faces a beneficial demographic outlook as young consumers adopt a more climate-friendly diet; half of Gen Z adults agree that eating less meat is an effective way to reduced one's carbon footprint. Continued improvement on PBMA product taste, nutrition, clean



"The frozen PBMA category continues to struggle with negative perceptions but remains resilient and product innovation may expand the market by bringing PBMAs into new consumption occasions. Brands must address consumers' concerns around product taste, nutrition, and price to achieve real market growth."

# Caleb Bryant, Associate Director of Food and Drink Reports

| Visit   | store.mintel.com     |
|---------|----------------------|
| EMEA    | +44 (0) 20 7606 4533 |
| Brazil  | 0800 095 9094        |
| America | s +1 (312) 943 5250  |
| China   | +86 (21) 6032 7300   |
| APAC    | +61 (0) 2 8284 8100  |

### Report Price: £3695 | \$4995 | €4400



The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

ingredient labels, and price will be critical going forward in order to make PBMAs more appealing to mass market consumers.

### What's included

Executive Summary

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit    | store.mintel.com     |
|----------|----------------------|
| EMEA     | +44 (0) 20 7606 4533 |
| Brazil   | 0800 095 9094        |
| Americas | +1 (312) 943 5250    |
| China    | +86 (21) 6032 7300   |
| APAC     | +61 (0) 2 8284 8100  |

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



### **Table of Contents**

### **OVERVIEW**

- What you need to know
- · This Report looks at the following areas
- Definition
- Market context

### **EXECUTIVE SUMMARY**

- Top takeaways
- Consumer trends
- Consumers pull back from PBMAs and return to the familiar
   Figure 1: Trended dietary preferences, 2020–23
- Poor PBMA product perceptions persist
   Figure 2: Reasons for not purchasing plant-based meat alternatives, by lapsed consumers and non-trial consumers, 2023
- PBMAs struggle to gain acceptance among mass market consumers

Figure 3: meat attitudes, any agree, by dietary preferences, 2023

- Competitive strategies
- Product innovation remains strong as brands focus on the freezer and move to center of store

Figure 4: PBMA product launches, 2013-22

Figure 5: PBMA product launches, by storage type, 2019-22

- PBMAs expand in foodservice despite market contraction
   Figure 6: Penetration of meat substitutes at restaurants, Q4
   2019-Q4
   2022
- Brands clean up the PBMA category's image with familiar ingredients

Figure 7: Clean label PBMA product examples

Market predictions

Figure 8: Total US retail sales and forecast of plant-based meat substitutes, at current prices, 2018-28
Figure 9: Category outlook, 2023-28

- Opportunities
- Core consumers want cleaner labels

Figure 10: Plant-based meat alternative purchase motivators, by Aspirational Eaters and Passive Eaters, 2023

Consumers are hungry for more variety in their diets

Figure 11: Reasons for purchasing plant-based meat alternative products more often, by dietary preferences, 2023

### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit    | store.mintel.com     |
|----------|----------------------|
| EMEA     | +44 (0) 20 7606 4533 |
| Brazil   | 0800 095 9094        |
| Americas | +1 (312) 943 5250    |
| China    | +86 (21) 6032 7300   |
| APAC     | +61 (0) 2 8284 8100  |

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



### MARKET SIZE AND FORECAST

· PBMA market stalls as reality sets in

Figure 12: Total US retail sales and forecast of plant-based meat substitutes, at current prices, 2018-28
Figure 13: Total US retail sales and forecast of plant-based meat substitutes, at current prices, 2018-28

### **SEGMENT PERFORMANCE**

 Refrigerated PBMAs slump, while frozen remains (somewhat) resilient

Figure 14: Total US retail sales and forecast of plant-based meat substitutes, by segment, at current prices, 2018-28
Figure 15: Total US retail sales and forecast of plant-based meat substitutes, by segment, at current prices, 2018-28

### **MARKET DRIVERS**

- Reduced financial security hits the PBMA market hard
   Figure 16: Trended financial health situation, 2020-23
- Sustainability takes a backseat to price as consumers tighten their spending

Figure 17: Trended consumer food and drink priorities, price vs sustainability, 2022-23

- **Gen Z, Millennial interest suggests future category strength** Figure 18: US population by generation, 2018–28
- Lab-grown meat passes a major hurdle

### **KEY PLAYERS**

 Impossible Foods emerges as the winner in the PBMA market's contraction

Figure 19: Multi-outlet sales of plant-based proteins, by leading companies, rolling 52 weeks 2022 and 2023

### COMPETITIVE STRATEGIES AND MARKET OPPORTUNITIES

- Product innovation remains strong despite market downturn
   Figure 20: PBMA product launches, 2013–22
   Figure 21: PBMA product launches, by launch type, 2013–22
- Brands retreat back to the freezer and venture into center of store

Figure 22: PBMA product launches, by storage type, 2019-22 Figure 23: Shelf stable plant-based meat alternative products launched in 2022

 New products highlight nutrition claims, downplay certain free-from claims

### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit          | store.mintel.com                        |
|----------------|-----------------------------------------|
| EMEA           | +44 (0) 20 7606 4533                    |
| Brazil         | 0800 095 9094                           |
|                |                                         |
| Americas       | +1 (312) 943 5250                       |
| Americas China | +1 (312) 943 5250<br>+86 (21) 6032 7300 |

### Report Price: £3695 | \$4995 | €4400





Figure 24: Top 15 growing and declining claims in PBMA product launches, 2019-22

Keep ingredient labels short and familiar

Figure 25: Clean label PBMA product examples

Restaurants can put a fun indulgent spin on plant-based proteins

Figure 26: Penetration of meat substitutes at restaurants, Q4 2019-Q4 2022

Figure 27: Penetration of meat substitutes at restaurants, by segment, Q4 2019-Q4 2022

Figure 28: Plant-based burger concepts

• Egg market's turbulence benefits plant-based eggs Figure 29: Plant-based egg products

Plant-based seafood category expands into novel formats

Figure 30: Plant-based seafood alternative purchases, 2023 Figure 31: Plant-based seafood products

### THE CONSUMER - FAST FACTS

- Consumers return to meat
- PBMAs primarily appeal to younger high income consumers
- A sizable share of consumers are lapsed PBMA customers:
- · Taste and nutrition concerns prohibit product trial
- Refrigerated PBMAs are perceived as high quality, fresh, and great tasting
- Interest in health and a desire for variety drives PBMA consumption
- Products must deliver on taste, price, and nutrition

### TRENDED DIETARY PREFERENCES

 Adoption of reduced meat diets stalls, challenging the PBMA market's future

Figure 32: Trended dietary preferences, 2020-23

Figure 33: Dietary preferences, by financial health situation, 2023

### PROTEIN PURCHASES AND CONSUMPTION FREQUENCY

PBMAs are on the backburner

Figure 34: Protein purchases, by dietary preferences, 2023 Figure 35: Protein consumption frequency, any animal protein and any plant-based meat alternative, 2023

Focus on holistic lifestyle positioning

Figure 36: Protein purchases, by dietary preferences, 2023

### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit    | store.mintel.com     |
|----------|----------------------|
| EMEA     | +44 (0) 20 7606 4533 |
| Brazil   | 0800 095 9094        |
| Americas | +1 (312) 943 5250    |
| China    | +86 (21) 6032 7300   |
| APAC     | +61 (0) 2 8284 8100  |

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



### PREVIOUS PLANT-BASED MEAT ALTERNATIVE TRIAL

Low PBMA product trial suggests category skepticism
 Figure 37: Previous plant-based meat alternative trial, by generation, 2023

Reengage lapsed flexitarians

Figure 38: Previous plant-based meat alternative trial, by dietary preferences, 2023

# REASONS FOR NOT PURCHASING PLANT-BASED MEAT ALTERNATIVES

Taste and nutrition concerns abound

Figure 39: Reasons for not purchasing plant-based meat alternatives, by lapsed consumers and non-trial consumers, 2023

Attract critically important consumers through clean label product innovation

Figure 40: Reasons for not purchasing plant-based meat alternatives, by dietary preferences, 2023

 Nutritional benefits may trump processed stigmas
 Figure 41: Reasons for not purchasing plant-based meat alternatives, by age and income, 2023

### FROZEN VS REFRIGERATED PLANT-BASED MEAT ALTERNATIVES

 Refrigerated products garner strong positive associations but frozen products offer simplicity

Figure 42: Primary PBMA product type purchased, refrigerated vs frozen, 2023

Figure 43: Reasons for purchasing primary PBMA product type, refrigerated vs frozen, 2023

### CHANGE IN PLANT-BASED MEAT ALTERNATIVE PURCHASES

 Interest in health and a desire for variety drives increased PBMA purchases

Figure 44: Change in plant-based meat alternative purchases, by select demographics and dietary preferences, 2023

Figure 45: Reasons for purchasing plant-based meat alternative products more often, by dietary preferences, 2023

Environmental claims are important...to a point

Figure 46: Reasons for purchasing plant-based meat alternative products more often, among Alternative Aficionados, 2023

### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit    | store.mintel.com     |
|----------|----------------------|
| EMEA     | +44 (0) 20 7606 4533 |
| Brazil   | 0800 095 9094        |
| Americas | +1 (312) 943 5250    |
| China    | +86 (21) 6032 7300   |
| APAC     | +61 (0) 2 8284 8100  |

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



 Market may experience a boost as Older Millennials enter middle age

Figure 47: Reasons for purchasing plant-based meat alternative products more often, among Alternative Aficionados, 2023

### PLANT-BASED MEAT ALTERNATIVES VS VEGETABLES

PBMAs offer consumers excitement

Figure 48: Preference: dishes made with PBMAs vs vegetable-forward dishes, 2023

Figure 49: Reasons for preferring PBMAs vs reasons for preferring vegetable-forward dishes, 2022

### PLANT-BASED MEAT ALTERNATIVE PURCHASE MOTIVATORS

- Focus on the basics and provide consumers convenience
   Figure 50: Plant-based meat alternative purchase motivators,
   by Aspirational Eaters and Passive Eaters, 2023
- Primary consumers want more clean label products
   Figure 51: Plant-based meat alternative purchase motivators,
   by Aspirational Eaters and Passive Eaters, 2023
- Price parity with meat will bring back lapsed consumers
   Figure 52: Plant-based meat alternative purchase motivators,
   by previous plant-based meat alternative product trial, 2023
- Provide Gen Z simple meal solutions
   Figure 53: Plant-based meat alternative purchase motivators,
   by Aspirational Eaters and Passive Eaters, 2023

### **PLANT-BASED PROTEIN ATTITUDES**

- Americans remain meat-lovers despite rising prices
   Figure 54: meat attitudes, any agree, by dietary preferences,
   2023
- Reality takes the wind out of PBMAs sails
   Figure 55: plant-based meat alternatives attitudes and other topics, any agree, by dietary preferences, 2023

### APPENDIX - DATA SOURCES AND ABBREVIATIONS

- Data sources
- Sales data
- Forecast
- Consumer survey data
- Abbreviations and terms
- Abbreviations

### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit    | store.mintel.com     |
|----------|----------------------|
| EMEA     | +44 (0) 20 7606 4533 |
| Brazil   | 0800 095 9094        |
| Americas | +1 (312) 943 5250    |
| China    | +86 (21) 6032 7300   |
| APAC     | +61 (0) 2 8284 8100  |

### Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



### **APPENDIX - THE MARKET**

Figure 56: Total US retail sales and forecast of plant-based meat substitutes, at inflation-adjusted prices, 2018-28
Figure 57: Total US retail sales and forecast of frozen plant-based meat substitutes, at inflation-adjusted prices, 2018-28
Figure 58: Total US retail sales and forecast of refrigerated meat substitute, at inflation-adjusted prices, 2018-28

### **APPENDIX - COMPANIES AND BRANDS**

Figure 59: Multi-outlet sales of frozen meat substitutes, by leading companies and brands, rolling 52 weeks 2022 and 2023

Figure 60: Multi-outlet sales of refrigerated meat substitutes, by leading companies and brands, rolling 52 weeks 2022 and 2023

### APPENDIX - CONSUMER SEGMENT DEFINITIONS

### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

| Visit             | store.mintel.com                        |
|-------------------|-----------------------------------------|
| EMEA              | +44 (0) 20 7606 4533                    |
| Brazil            | 0800 095 9094                           |
|                   |                                         |
| Americas          | +1 (312) 943 5250                       |
| Americas<br>China | +1 (312) 943 5250<br>+86 (21) 6032 7300 |



# **About Mintel**

Mintel is the **expert in what consumers want and why.** As the world's leading market intelligence agency, our analysis of consumers, markets, product innovation and competitive landscapes provides a unique perspective on global and local economies. Since 1972, our predictive analytics and expert recommendations have enabled our clients to make better business decisions faster

Our purpose is to help businesses and people grow. To find out how we do that, visit mintel.com.