

DRIVING GLOBAL DEMAND

Clarice Turner

President and CEO Almond Board of California









































































































































































14 FORMS





















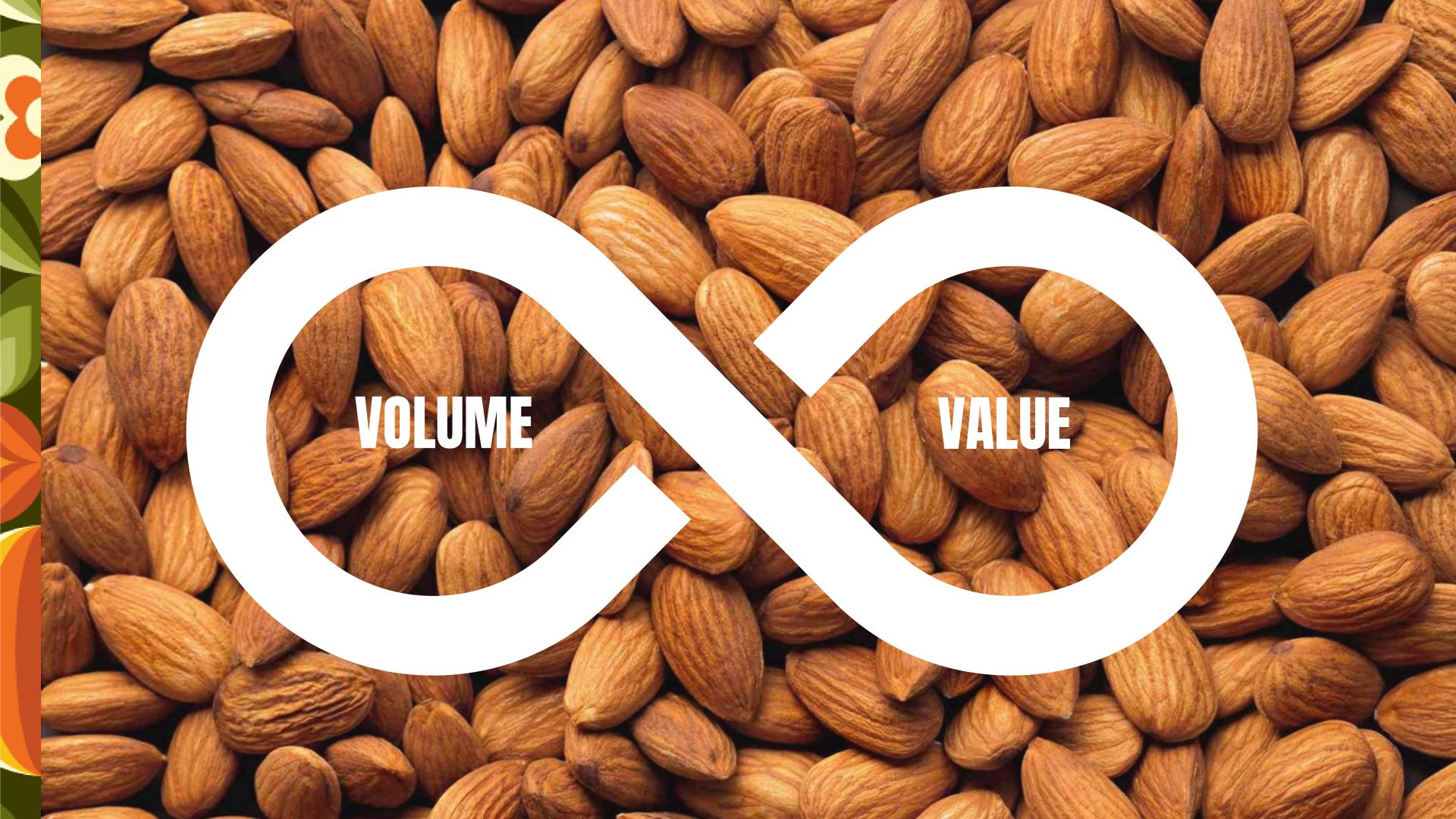










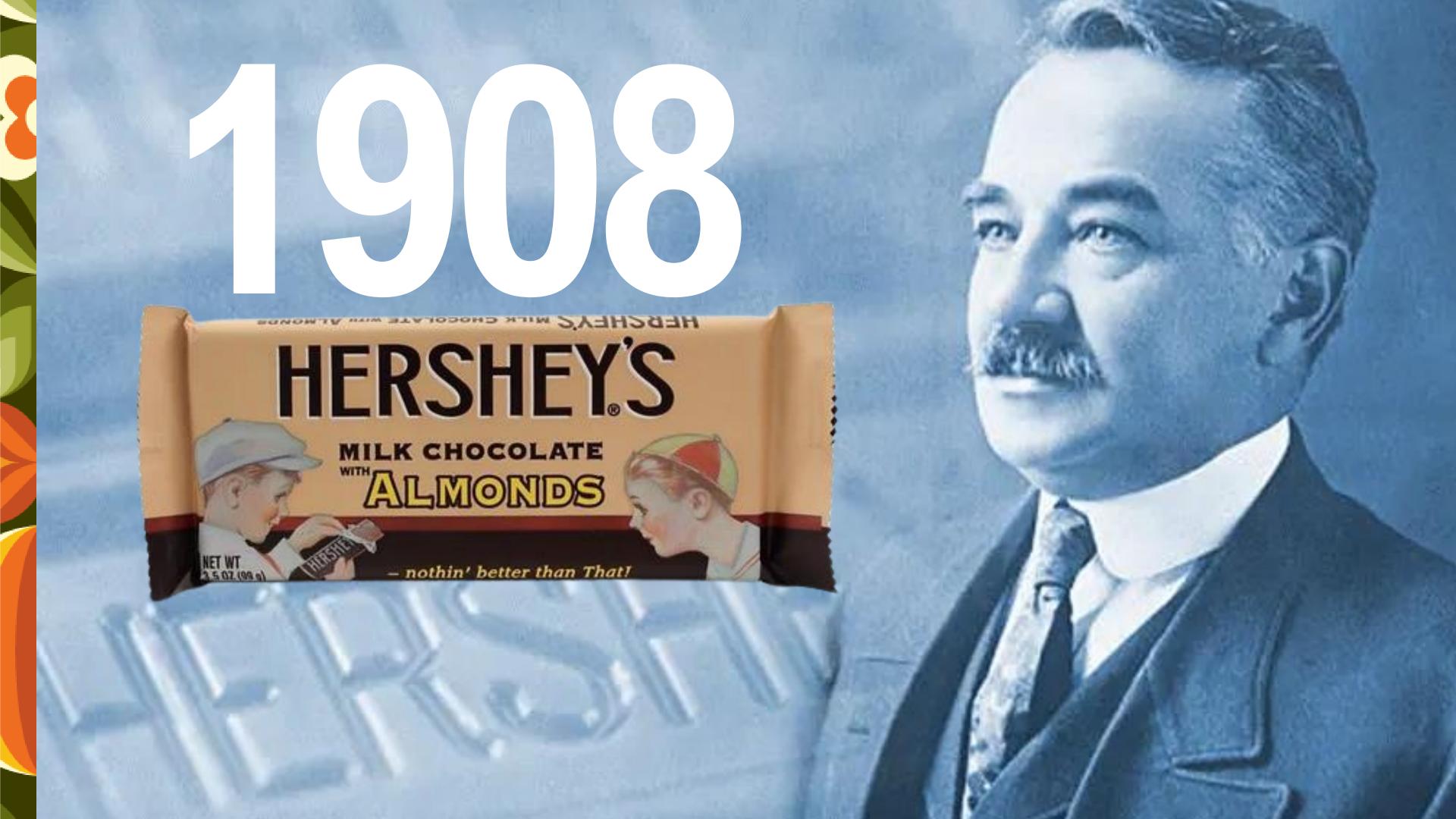


DRIVING GLOBAL DEMAND

Emily Fleischmann

VP, Global Market Development





2,000+ NEW PRODUCTS A YEAR



















































































Thematics® Stand-Out Insert™ is a trademark of SYNERGISTIC MARKETING, INC., 477 Madison Ave., NY, NY 10022 (212) 751-2253 y nutty flavor!" Honey Nut Honey Nut Cheerios is the sunny taste of honey blended wholesome and kinda nutty. For a delicious honey nutty flavor.





CLASSIC





naturally delicious

NET WT 16 OZ (1 LB) 454g



















DRIVING GLOBAL DEMAND

Lu Ann Williams,

Innova Market Insights



ALMONDS IN ACTION

DRIVING INNOVATION IN GLOBAL FOOD AND BEVERAGE

INSPIRE INNOVATION DRIVE GROWTH







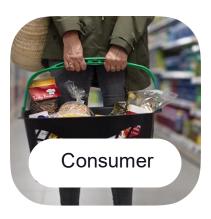


INNOVA: INSIGHTS PARTNER FOR INNOVATION









INSIGHTS 360°









90%

of innovation captured, globally

200M

Records



BIG

Time Saver



Enhanced Platform



Today's Roadmap: From Trends To Action



- **✓ CONSUMER EXPECTATIONS ARE SHIFTING**
- ✓ ALMONDS' UNIQUE ROLE IN MEETING MODERN DEMAND
- ✓ WHERE GLOBAL GROWTH IS ACCELERATING FOR ALMOND INGREDIENTS
- ✓ WHERE ALMONDS MUST COMPETE AND WIN
- ✓ GLOBAL EXAMPLES OF ALMONDS IN ACTION
- ✓ THE EMERGING ALMOND INGREDIENT SYSTEM
- ✓ IMPLICATIONS AND ACTIONS FOR GROWERS

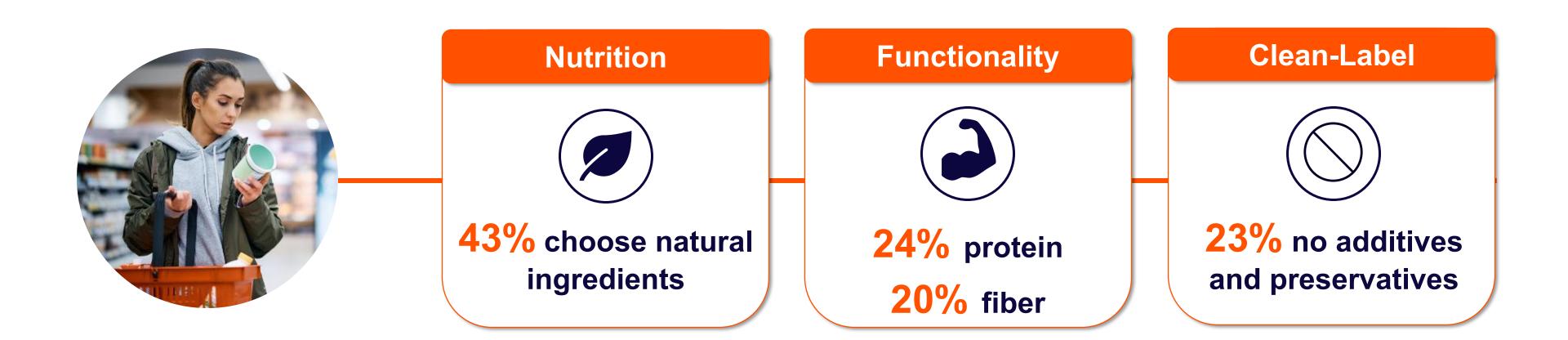
Taste is King – But It Needs a Wingman



Consumers expect foods to deliver nutrition, functionality and clean-label value

For consumers globally, Taste is the top consumption driver for 75% of categories surveyed. *

TASTE IS ESSENTIAL - BUT THE NEW EXPECTATION IS TASTE WITH PURPOSE

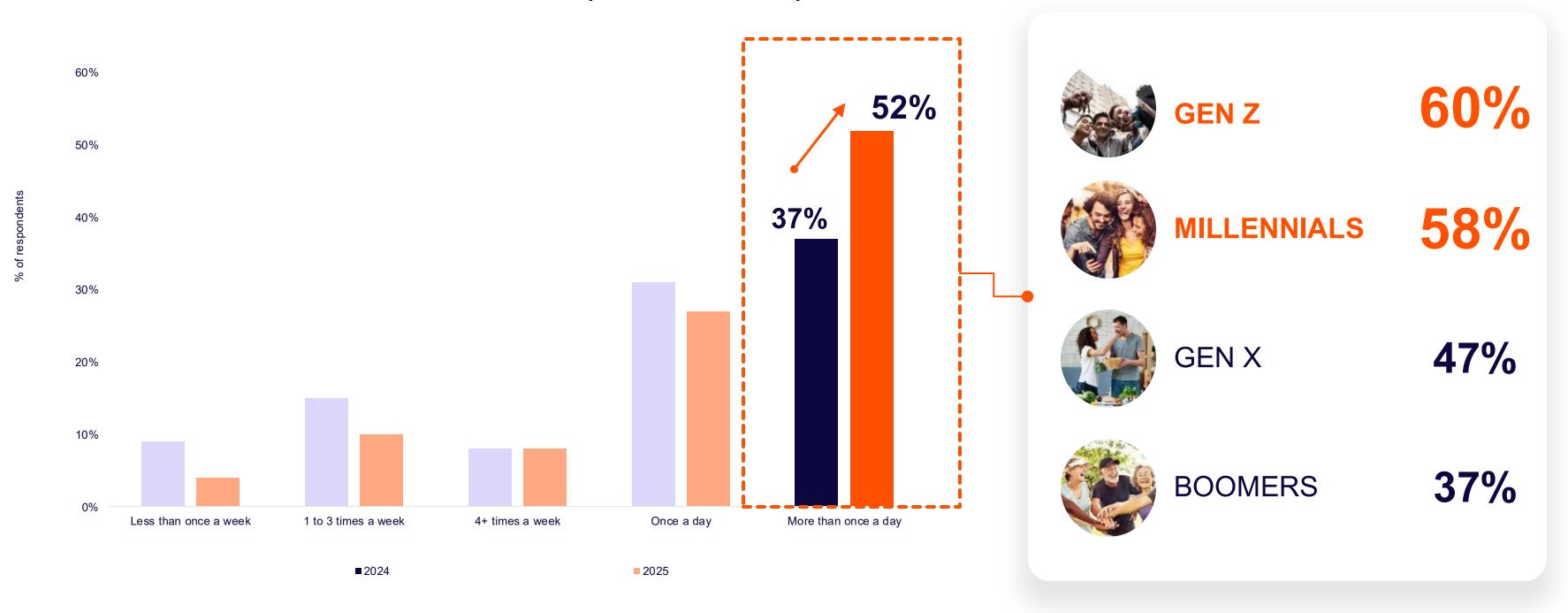


Snacking has become a Core Eating Habit – Led by Younger Generations



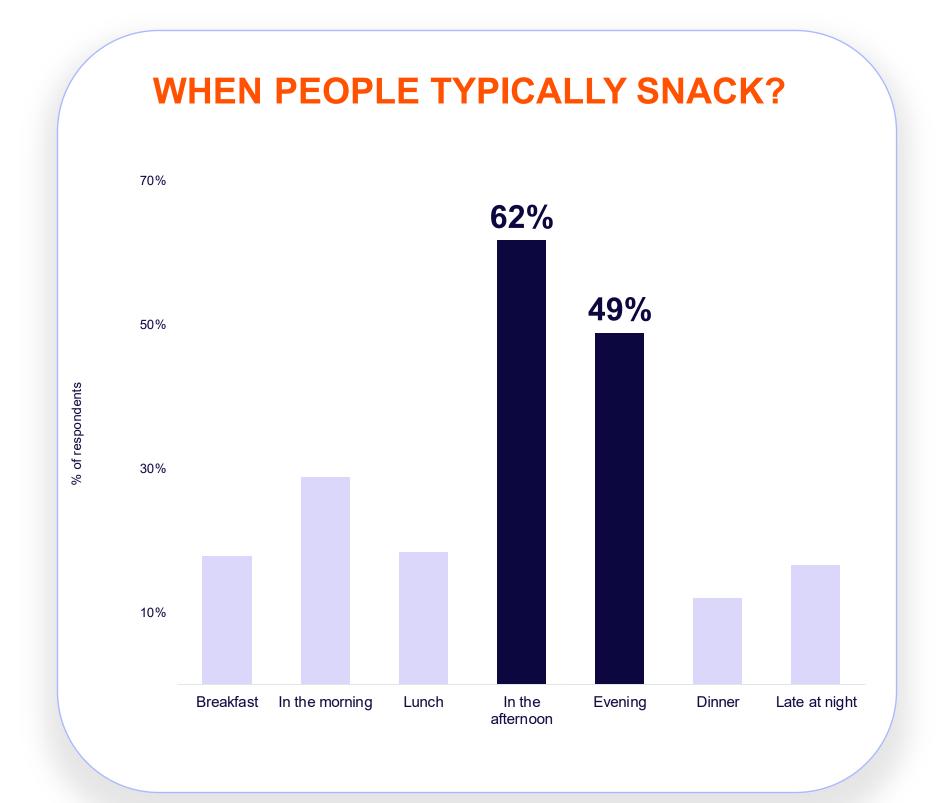
More consumers snack multiple times a day, especially Gen Z and Millennials

SNACKING FREQUENCY (2024 VS 2025)



Snacking Isn't Just Between Meals Anymore – It Is the Meal







Almost 2 in 5

consumers globally say that they replace meals with snacks at least once a day

Consumers Want Indulgence Without Guilt

The new rule: remove what feels harmful, add what feels natural and functional





Limit ingredients that are bad for me

37%



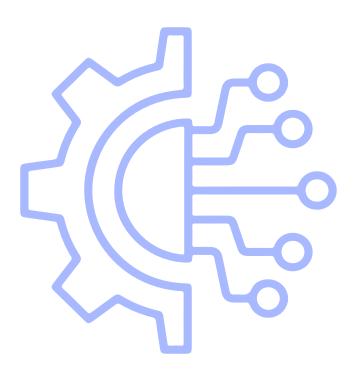
Increase the amount of natural ingredients

23%



Add functional ingredients that boost nutrition

22%



Limit the amount of processing

19%

Almonds Deliver the Benefits Consumers Want Most

Protein, fiber, vitamins and minerals – naturally and in a single ingredient



THE BENEFITS CONSUMERS WANT....

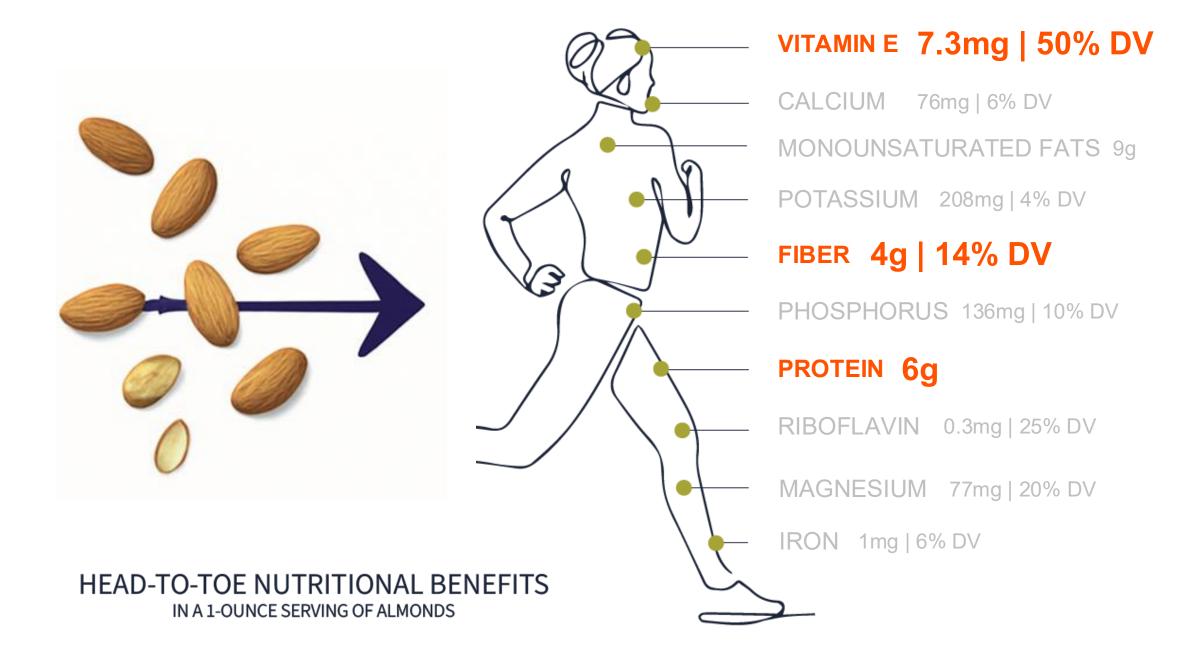
....AND HOW ALMONDS DELIVER THEM*

#1 PROTEIN (62%)

#2 FIBER (56%)

#3 VITAMINS (52%)

#4 MINERALS (36%)



P. 32 ALMONDS IN ACTION

INNOVA. INSPIRE INNOVATION, DRIVE GROWTH.

FUTURE OF F&B INNOVATION IS INGREDIENT

DRIVEN

Sustainability remains a tiebreaker; it wins when it feels tangible, transparent, and truthful.

Protein remains a wellness powerhouse; consumers are seeking it for overall health in various formats and occasions.

Food heritage is driving

POWERHOUSE PROTEIN

> **GUT HEALTH HUB**

Consumers increasingly see gut health as the gateway to holistic wellness. sparking demand for benefits across body and mind.

Mental wellbeing is a rising priority as consumers turn to natural F&B for energy, stress relief, and brain health.

MIND **BALANCE**

TOP F&BTRENDS 2026

LAYERS OF DELIGHT

> **BEVERAGES WITH PURPOSE**

Indulgence is evolving into a multidimensional experience; elevating the moment and mood, and combining sensory richness with wellbeing.

With economic pressures rising, affordability and

accessibility are becoming key

drivers of loyalty and choice.

AUTHENTIC PLANT-BASED

Beverages are leading innovation in wellness, with products tailored for hydration, convenience, and functionality.

Plant-based is shifting from imitation to nutrition, with consumers embracing natural plant proteins for their added benefits.

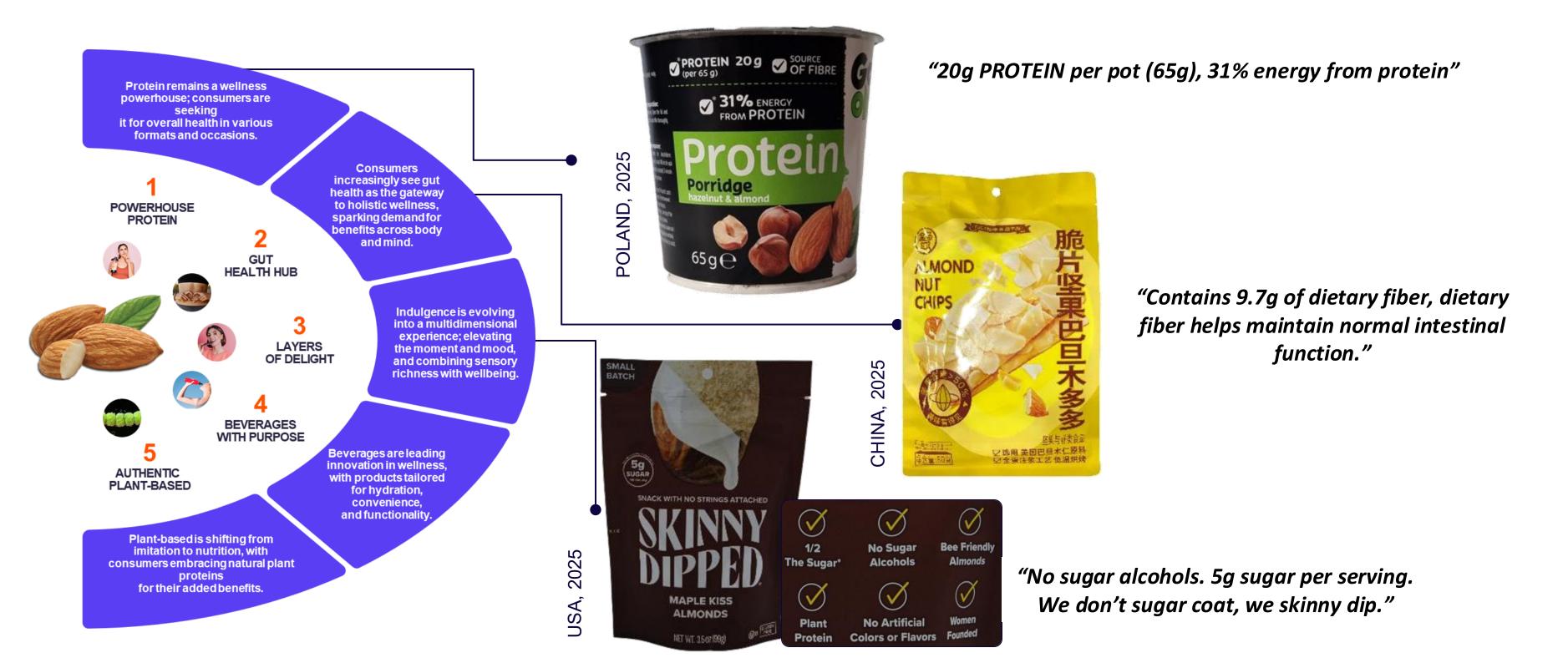
Occasion-based innovation is expanding, through diverse formats in snacks, fresh meals, and singleserve offerings.



Almonds deliver across 2026's Main Ingredient Trends



From protein to fiber to sensory delight, almonds hit multiple innovation drivers



Almonds elevate Premium, Plant-Based & Purposeful Innovation



From clean-label coffee to dairy alternatives, almonds bring natural performance



5G PROTEIN PER SERVING (28G)

"Rosemary and thyme evoke the freshness of garden grown herbs in a delicious **almond flour cracker.**"



JSA, 202

Almonds are becoming a High-Value Ingredient Engine



ALMONDS AS AN END-PRODUCT



SNACK NUTS & SEEDS



NUT SPREADS



DAIRY ALTERNATIVE DRINKS

ALMONDS AS A "HERO" INGREDIENT



CEREALS & ENERGY BARS



SPORTS POWDERS



SWEET BISCUITS& COOKIES



MALT & OTHER HOT BEVERAGES



BREAKFAST CEREALS



FLAVORED MILK

ALMOND DEMAND IS SHIFTING FROM WHOLE-NUT CONSUMPTION TO DIVERSE, HIGH-VALUE INGREDIENT APPLICATIONS

Where Almonds Started: Traditional End-Product Uses

The everyday formats now paving the way for ingredient-driven innovation





Organic roasted almonds whole skin on (100%)



Organic peeled almonds.



Filtered water, almonds, calcium carbonate, sea salt,..., natural vitamin E.

Almonds as a High-Value "Hero" Ingredient

Delivering layered nutrition, texture and clean-label appeal across categories



ALMONDS AS A CORE INGREDIENT

ALMONDS AS A FUNCTIONAL UPGRADE IN TODDLER NUTRITION





<u>Cereal/Energy Bars</u> Almond Butter 10%

Non-dairy cheese
Almond Preparation (64%)



<u>Ready Meals</u> Almond Milk Ricotta Filling

"Almonds: primary source of protein, fat, fiber, and vitamin E"



Baby Formula/Milk
Almond butter

"Almonds are an antioxidant, rich in healthy fats, fiber, vitamin E (brain nutrient), and magnesium that studies show increases metabolic control and improve insulin function amongst other benefits."



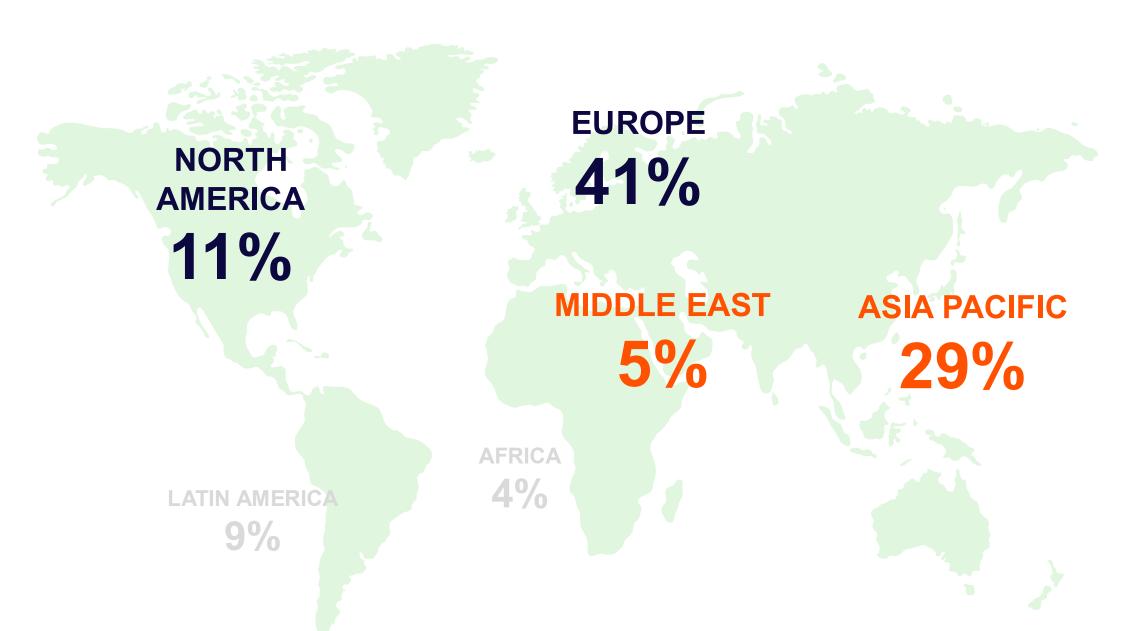
<u>Cereal/Energy Bars</u> Almond butter

The Almond Opportunity Landscape is Being Redrawn

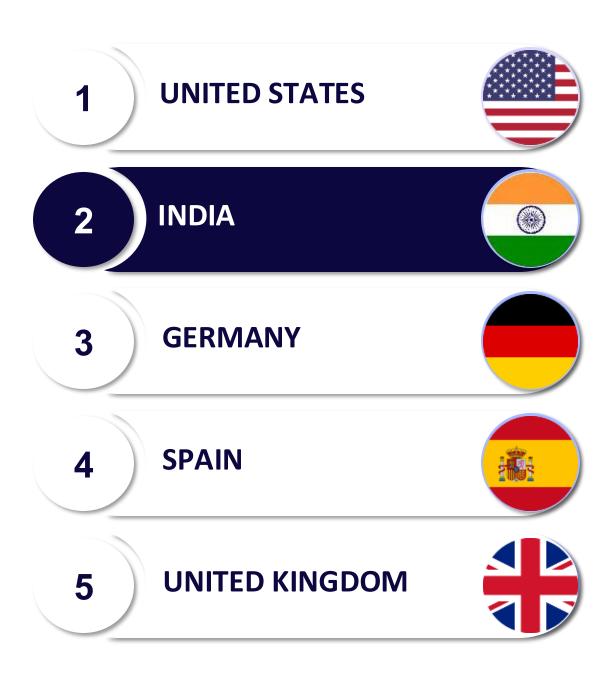


Growth shifts toward APAC, India and emerging markets

HOW IS F&B INNOVATION WITH ALMONDS SPREAD ACROSS REGIONS? [Past 12 months]



TOP MARKETS FOR INNOVATION WITH ALMONDS [Past 12 months]



P. 39 ALMONDS IN ACTION

INNOVA. INSPIRE INNOVATION, DRIVE GROWTH.

Unlocking Growth in Mature Markets

Europe leads with performance nutrition; North America offers premium and functional white spaces



Big opportunity in **high-protein**, **clean-label**, and **dairy alternative** applications.



Mature almond formats need revitalization through premiumization, functional upgrades, and hybrid innovation



FASTEST GROWING CATEGORIES [Europe] **SPORTS POWDERS** ↑ ↑

CHEESE (NON-DAIRY) ↑

SPORTS BARS ↑



Almond Protein and almond butter allow brands to create premium, nutrient-dense offerings with clean-label appeal.



FASTEST GROWING CATEGORIES [North America] CHOCOLATE PIECES (WRAPPED) ↑

DAIRY ALTERNATIVE DRINKS 1

SPORTS BARS ↑



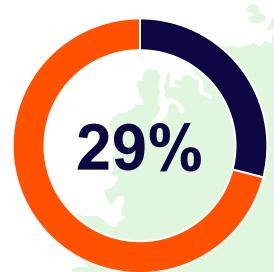
Almond formats are shifting from everyday staples

→ value-added formats

Space for **performance-driven benefits** (protein, fiber, satiety)

APAC is expanding the role of almonds into Everyday Beverage Culture





of new product introductions with almonds are launched in APAC (Global, Past 12 months)

FASTEST GROWING MARKETS

1) INDIA



2 INDONESIA



3 JAPAN



FASTEST GROWING CATEGORIES







TEA

MALT & OTHER HOT BEVERAGES

FLAVORED MILK





SPORTS BARS

NUT SPREADS

P. 41 ALMONDS IN ACTION

Source: Innova Market Insights

Notes

MAT = Moving Annual Total (Past 12 months); APAC – ASIA PACIFIC

Local brands infuse almonds into familiar, culturally resonant drinks

SINGAPORE, MAY 2025 (IMPORTED FROM SOUTH KOREA)



MALT & OTHER HOT BEVERAGES



Almond pieces (USA)

TEA-BASED DRINKS



Almonds (4%)

FLAVORED AND FUNCTIONAL MILK



Natural Flavoring

Almond Powder (0.05%)

INDONESIA, 2025

MILK

Umond

India Becomes a Strategic Almond Innovation Market

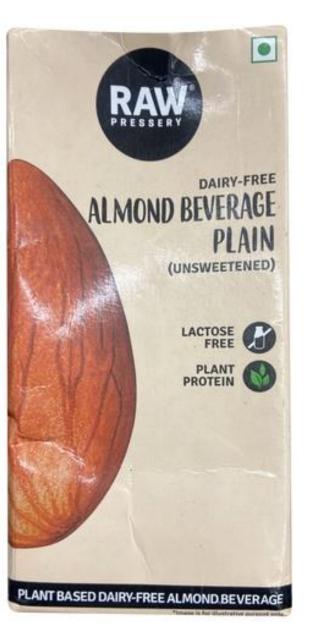


Almonds power modern, traditional, and functional formats across categories

















From Whole Nuts to Almond Ingredients that go into Packaged Foods

A High-Value Transformation for Growers

Two Almond Formats Powering the Next Wave of Growth



ALMOND PROTEIN

GROWING

REGIONAL DRIVER



EUROPE + APAC

CATEGORY DRIVER: Sports Powders; Bars

"Instant pea protein, soy protein and almond protein beverage powder with multivitamin"



ALMOND PASTE

HOLDING

REGIONAL DRIVER



EUROPE + APAC

CATEGORY DRIVER:

Dairy Alternatives; Confectionery



NETHERLANDS, 2025

Almond Paste (5%)

P. 44 ALMONDS IN ACTION

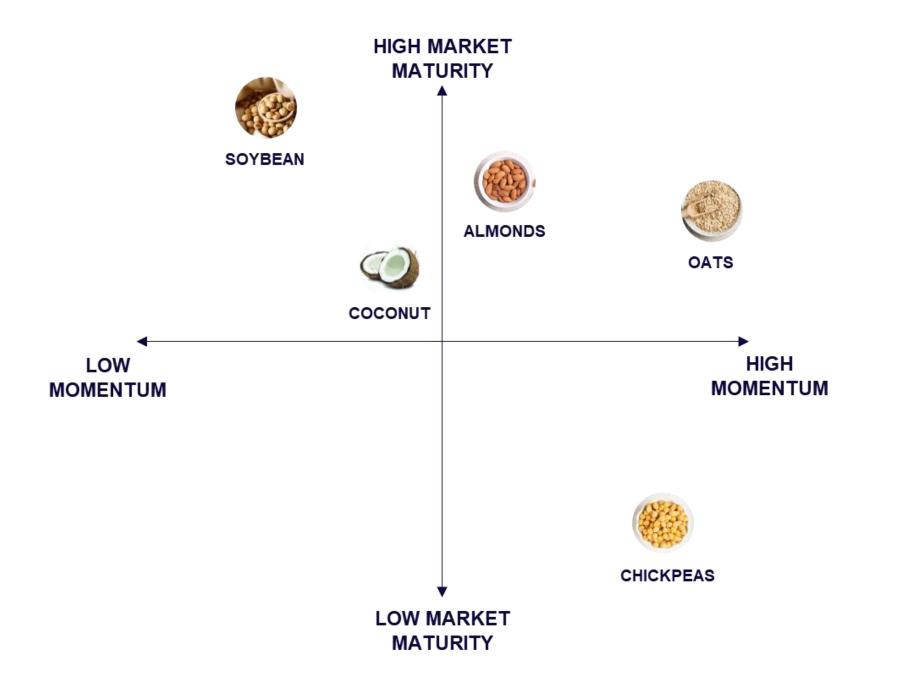
Notes

Innova Market Insights APAC - ASIA PACIFIC

Almonds Compete in an Evolving Plant-Based Landscape



Oats, chickpeas, soy and coconut are raising the bar on functionality and storytelling



WHERE COMPETING INGREDIENTS CURRENTLY WIN?



CREAMY PERFORMANCE IN BEVERAGES
Leads in plant-based drinks and barista milks



PROTEIN WITH FERMENTATION HERITAGE

Dominant in high-protein dairy/meat alternatives;

Extremely strong in Asia



PROTEIN + GLUTEN-FREE CREDIBILITY

Fastest growth in snacks, pasta and gluten-free bakery;

Carries strong natural protein and fiber cues



INDULGENT DAIRY ALTERNATIVE BASE
Wins in plant-based yogurts, ice cream and desserts;
Creamy texture and clean-label appeal

Almonds must continue to evolve – functionally and narratively – to stay ahead in this competitive landscape

Technology Will Unlock Almonds' Next Wave of Value



Processing breakthroughs are turning almonds into high-performance, multifunctional ingredients

PROTEIN + FIBER SYNERGY

- Satiety Weight Wellness
- Better Snacks & Beverages

MICROBIOME AWARE PROCESSING

Designed-for-DigestionFiber Optimization

FERMENTED ALMOND BASES

- Texture Digestibility
- Gut-active Components

UPCYCLED ALMOND STREAMS

High-fiber • AntioxidantsSustainability Gains

P. 46 ALMONDS IN ACTION

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Sources: Mu

Almonds Continue to Stretch Into New Categories, Formats, and Markets

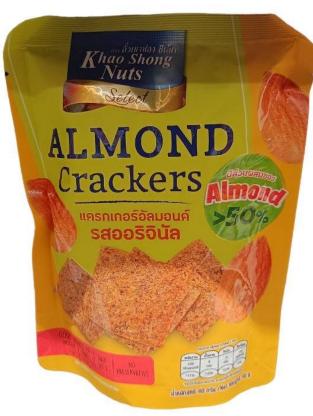




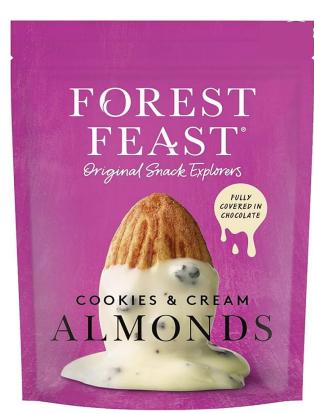
















Almonds in Action



Building on strength, unlocking new value, shaping the next era of almond innovation



ALMONDS HAVE TRANSFORMED

From a commodity to a global innovation engine.



THE NEXT WAVE OF VALUE IS IN INGREDIENTS

Now: Protein, Paste, Flour **Future:** Fermented Bases, Upcycled Streams



FUTURE GROWTH WILL BE BUILT TOGETHER

Growers, Industry, and Partners shaping a long-term innovation runway.



THANK YOU REACH OUT TO LEARN MORE

Mail to: contact@innovami.com

Visit:

www.innovamarketinsights.com



DRIVING GLOBAL DEMAND

Amy Cesta,

Schafer Condon Carter

SCC

AMY CESTA

Schafer Condon Carter, Chief Client Officer







PHONE EATS FIRST

GENERATION





PHONE EATS FIRST

GENERATION







Winning with College & University customers

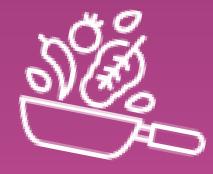
HAS LONG-TERM GAINS







COLLEGE & UNIVERSITY IS WHERE LIFELONG EATING HABITS BEGIN



Students are making their **own food choices**







GLOBALLY CURIOUS AND EXPLORATORY AUDIENCE



The segment is made up of a **diverse group** of consumers

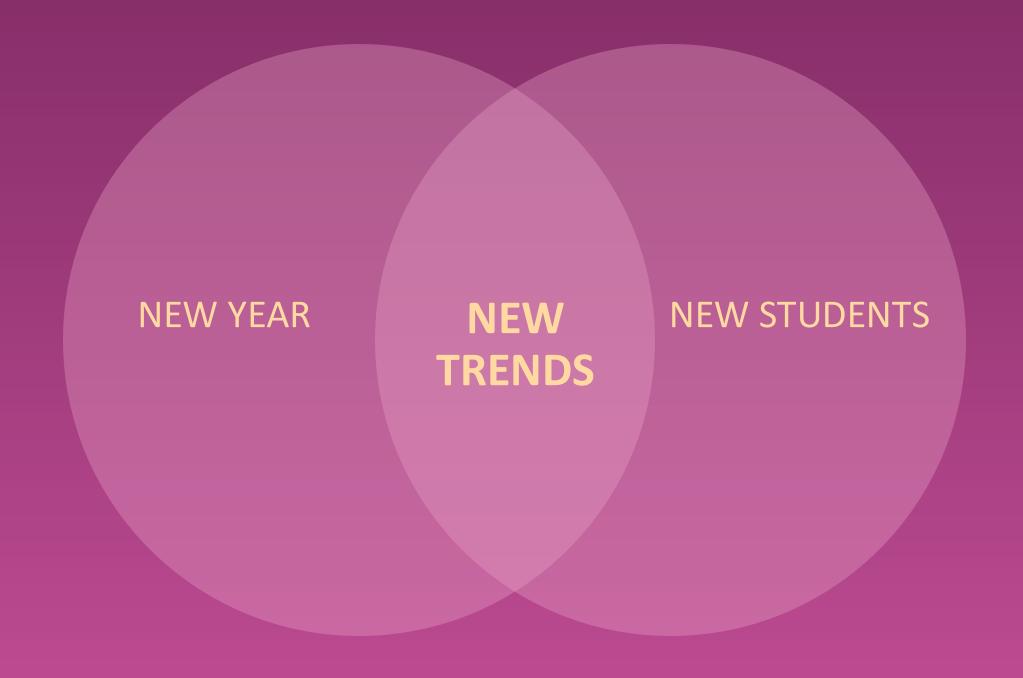












A CONSTANT CYCLE OF NEW CUSTOMERS



Making College & University the perfect launching pad for emerging trends

STUDENT INFLUENCE GOES BEYOND THE CAMPUS



Consumers become **lifelong** advocates for almonds across forms













of almonds within College & University





COLLEGE & UNIVERSITY PRESENTS A HUGE OPPORTUNITY FOR THE ALMOND BOARD



\$18B Industry with Daily Engagement



Nearly **3,500** campuses



More than **15MM students** eating a meal on campus daily



REACHING ONE LARGE CAMPUS RIVALS A REGIONAL RESTAURANT CHAIN

The University of Michigan = In-N-Out Burger





FROM DINING HALLS TO COFFEE SHOPS

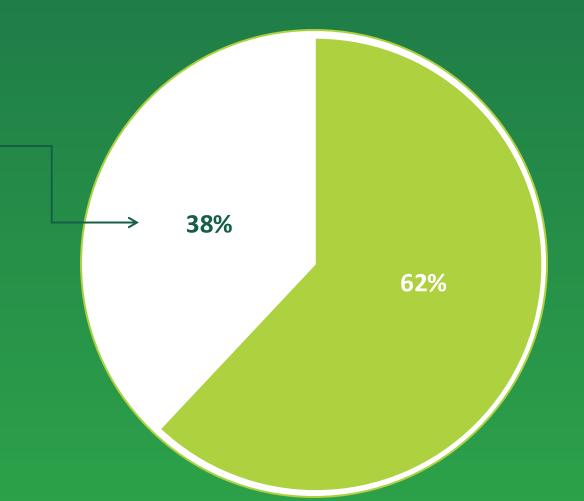


It's made up of an abundance of locations and offerings, and every almond form has a place to shine



OUR PROGRAM TARGETS LEADING SCHOOLS

SCHOOLS WITH REACH



SCHOOLS WITH INFLUENCE





Schools that enroll 20K+

students make up 38% of

the total US student

population¹

OUR 360° APPROACH

of almonds within College & University







At University of Massachusetts Amherst

MORETHAN 90% OF STUDENTS

REPORTED AN AFFINITY FOR ALMONDS





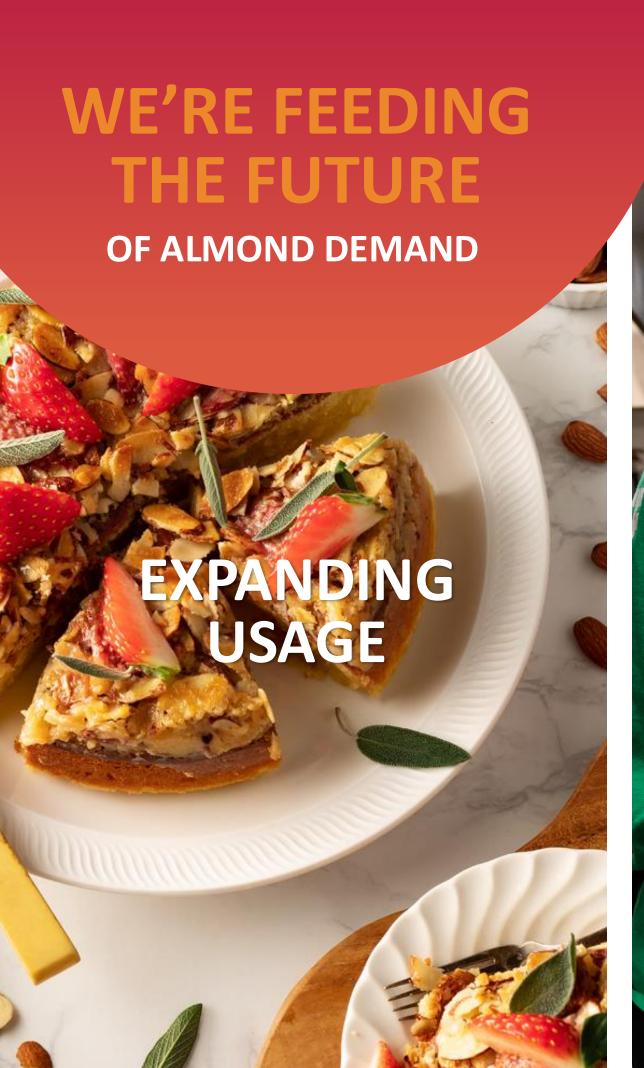
REACHING OUR AUDIENCES

Connecting with College & University Operators and Consumers at











LET'S MAKE ALMONDS THE STAR OF THE MENU

Thank you!







DRIVING GLOBAL DEMAND

Dr. Amitoj Singh

Boston Consulting Group (BCG)





Unlocking Almond Potential in India

2025 THE ALMOND CONFERENCE
CULTIVATING A HEALTHIER FUTURE



Almonds as an ingredient have strong opportunity to grow ~3x over next 5 years



Almond ingredient market (Mn Lbs. 2024-2030F)



Strong Economic Momentum



Evolving Consumer Landscape



Channel Transformation







5

India's

India comprises of 3 different segments based on income profile Small number of Europeans ~50 m (3.5%) people at ~\$ 45000¹



An Indonesia

~425 m (31%) people at ~\$ 9500¹



A Sub - Saharan Africa
~900 m (65.5%) people at ~\$ 33001



How well do we know India?

Story of Tulsi village, Raipur

What do you think is the most common occupation in this (Tulsi) village?



Master potters, supplying to international brands like Etsy, West Elm





Online content creators, with >40 YouTube channels





Yoga gurus, running the largest Yoga training center in the world





Most experienced dentists, with a 102-year-old leading the tribe





How well do we know India?

Story of Tulsi village, Raipur



Online content creators, with >40 YouTube channels

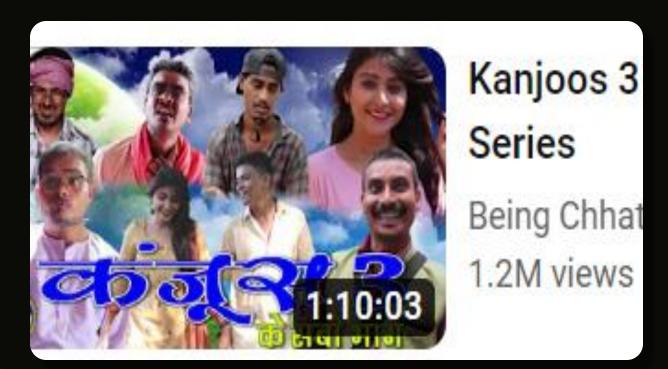
1/3rd

Village population are content creators



>40

Educational and entertainment channels



15yr - 80+yr

Participation by all age groups, genders



Source: Indiatimes article

India's Growth is Real and Fast

India's rapid digitalization, economic growth, and young demographics are creating millions of new premium consumers

 T_{n+}

GDP adding ~\$1 trillion every 18 months

377Mn+

Young, digital, affluent consumers with a median age under 30

70%+

Tier 2–4 cities driving 70% of consumption growth

25%+

Affluent households are growing at about 25 percent CAGR

As India digitizes and incomes rise, there is increasing awareness and accessibility for





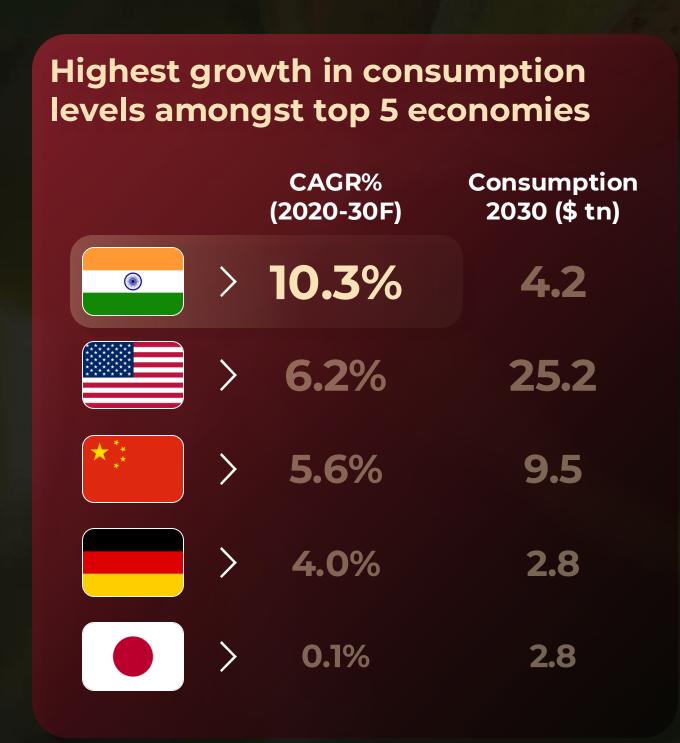


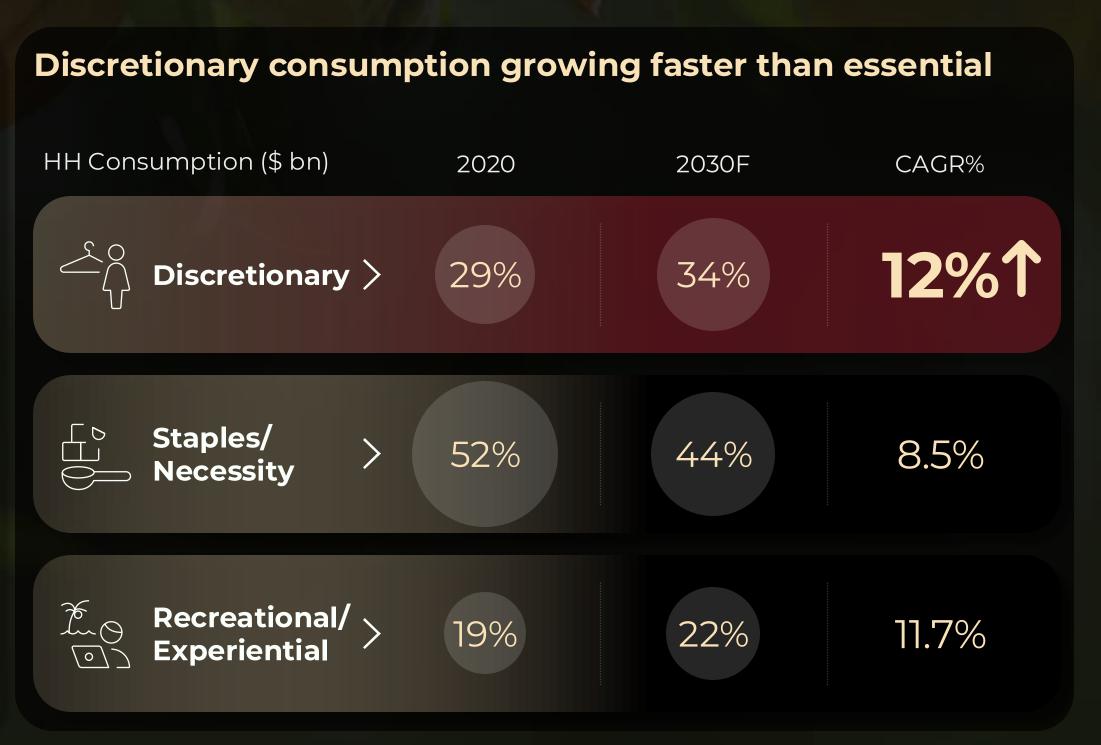
Premium

and almonds sit right at that intersection



India's consumption growth is strong – but not monotonic





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ight © 2025 by Boston Consulting Group. All rights reserved.

Affluence-driven shifts are transforming food consumption across India, in both urban and rural markets





5 key megatrends shaping the consumer landscape within food & beverage sector











The retail ecosystem is modernizing fast with e-commerce driving awareness and access



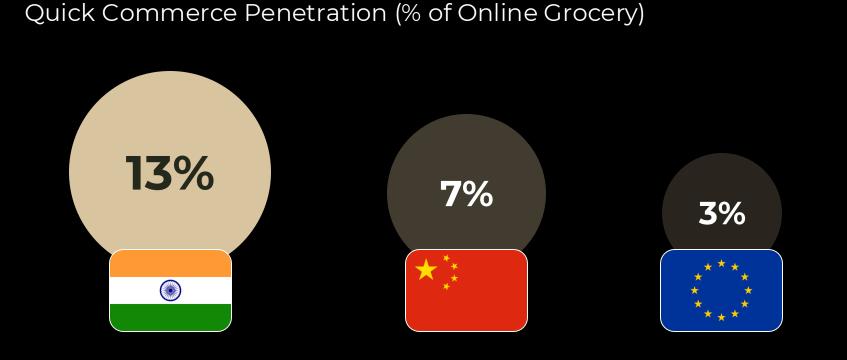
Basis response to the following questions: Can you tell me through which of the following channels have you purchased packaged snacks in the last month? Data of urban consumers shown. Affluent & Elite and Aspirer & Next Billion combined respectively by weighing share of buying occasion by population Next Billion e-grocery penetration assumed to be 3x of Strugglers in proportion with 2022 penetration of e-com purchase of packaged snacks in the segments Source: Euromonitor, Industry Interviews, BCG Analysis, Credit Suisse 2022, CCI Survey (Dec 22 – Jan 23)

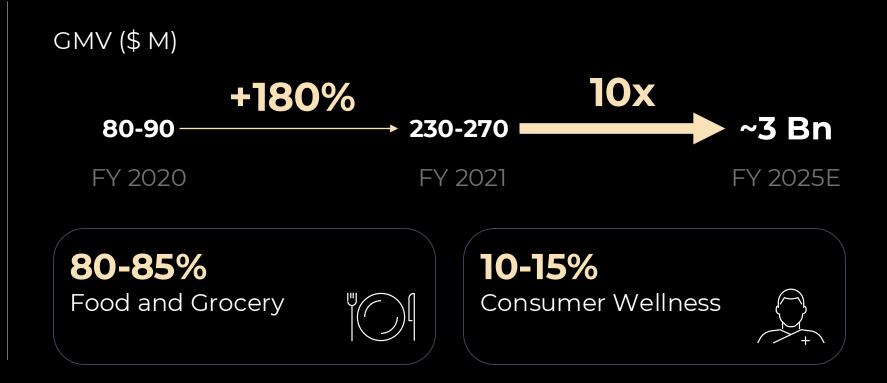
84

Quick-commerce penetration higher than China, expected to be \$3B by 2025

India leads in Q-Com penetration tapping into the need for instant gratification

GMV grew by 30x in ~5 years Food & Grocery being the largest category









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Almonds are already part of daily life

~100–110 million lbs across beverages, snacks, bakery, and nutrition



Bakery, cafes, Sweet & snack QSR

Food Service Organized



~9M

Local Sweet Shop

Food Service Unorganized



~77M

lce cream, sweet spreads, breakfast cereal, snack bar, etc.

> CPG Food



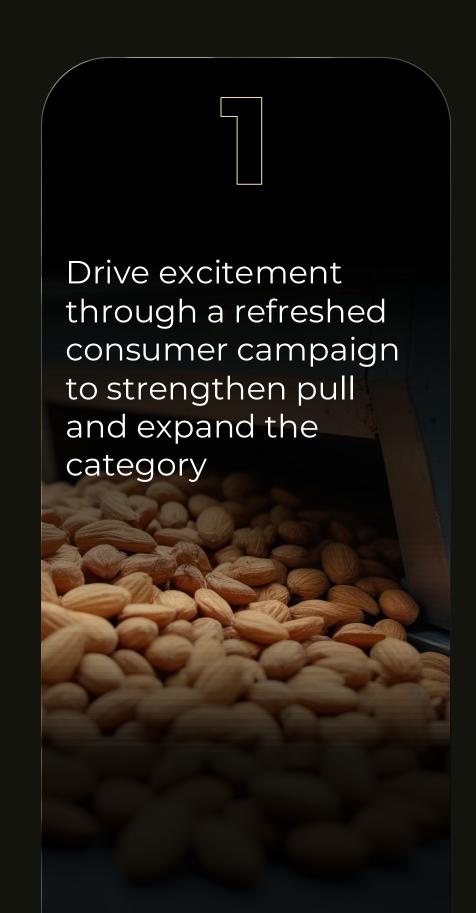
~13M

Hair care and skin care

CPG Non-Food



To unlock the ~3x growth opportunity, coordinated action required across 4 key areas



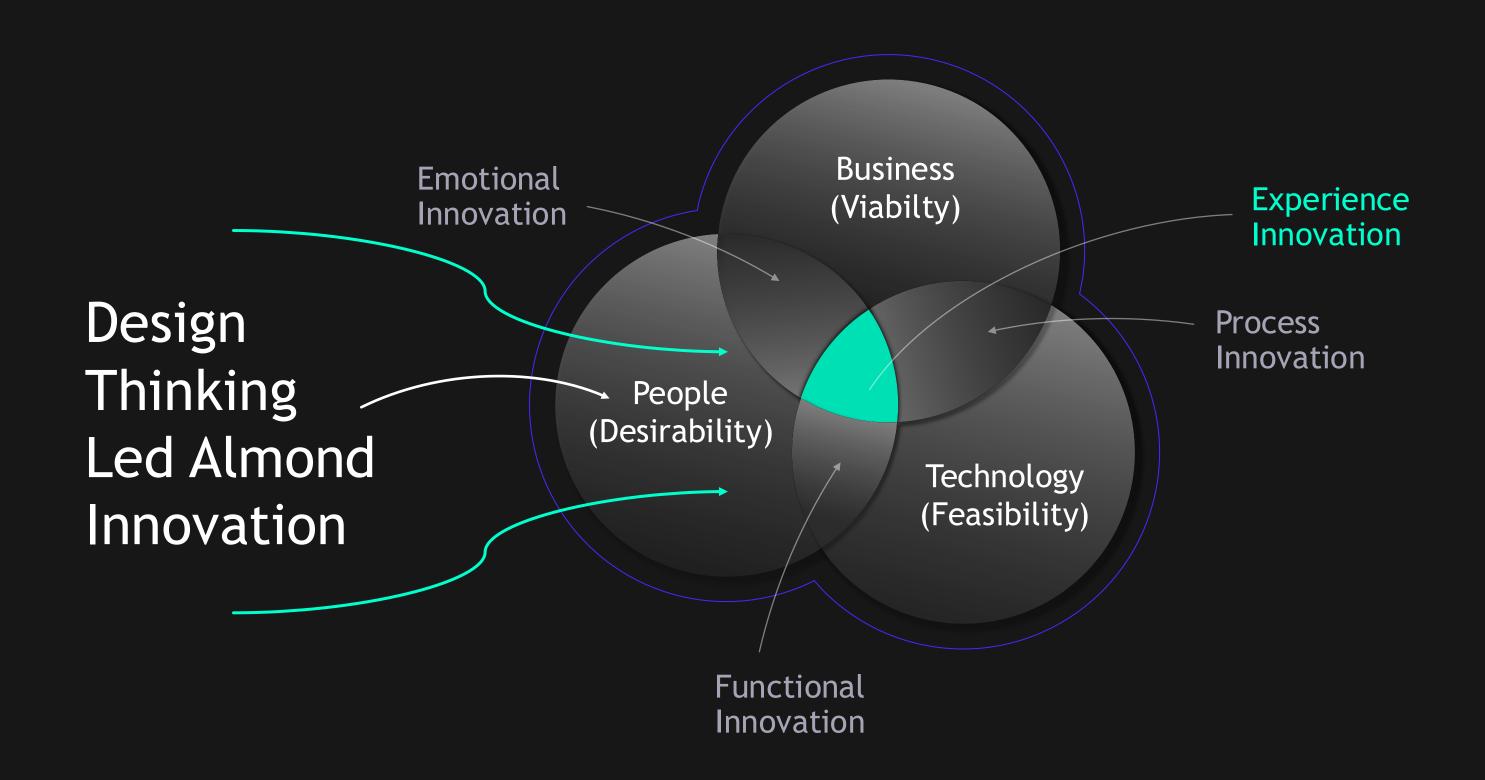
Equip product developers with education, inspiration, and resources via trade shows, conferences, and industry forums

Engage with key government and foodscience institutions to shape labeling norms and strengthen category credibility

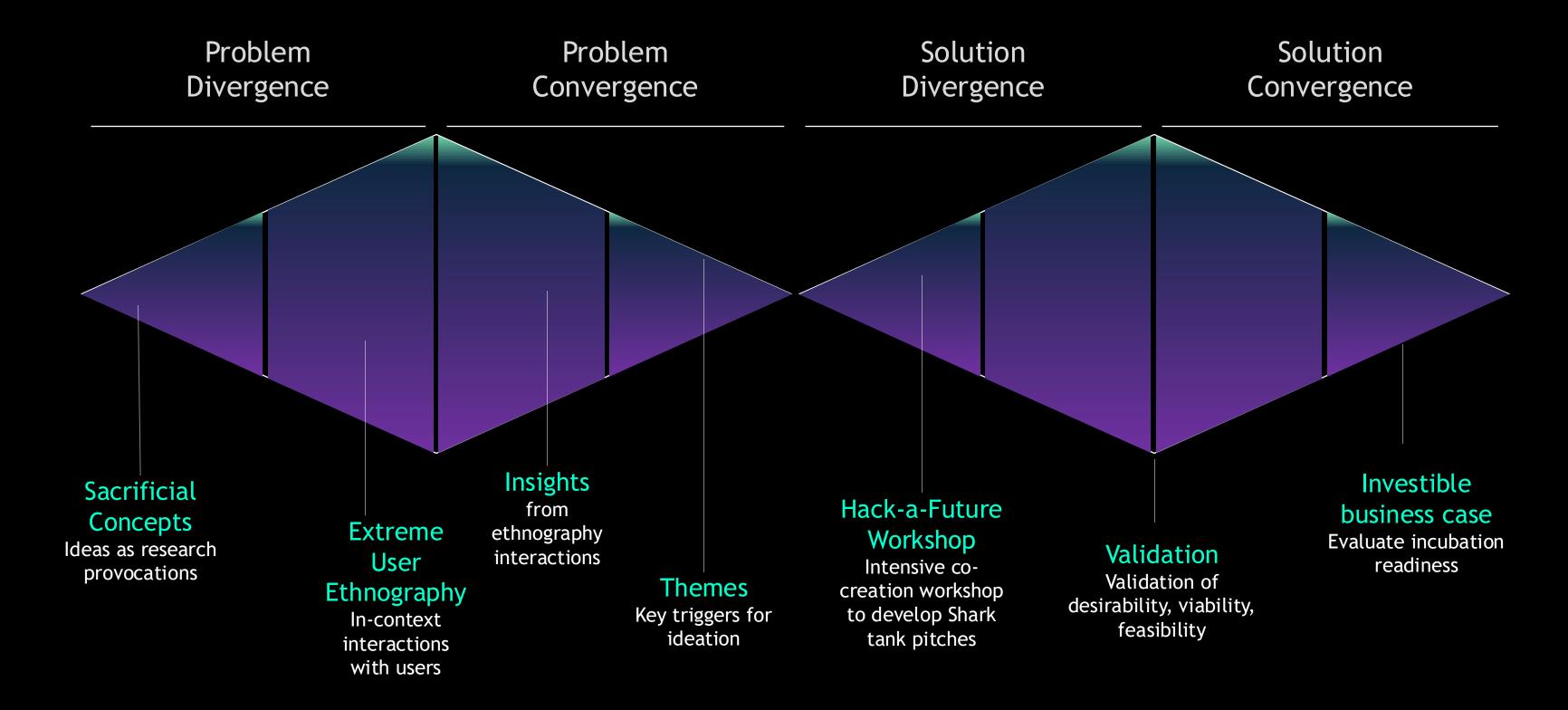
Collaborate with leading foodservice partners and brands to co-create highvolume products for a new generation of consumers

In collaboration with BCG

Almond Innovation at the intersection of Business, Consumer & Technology



Double Diamond Design thinking methodology for Almond innovations



5 Key Innovation Themes basis 50+ Consumer Insights





Invisbreal limit

Almonds face an invisit but visibility. When obv by taste fatigue or dislil embedded into product driving higher consump

The opportunity lies in incorporating them into taste and nutrition with

5 key Innovation Themes basis 50+ Consumer Insights



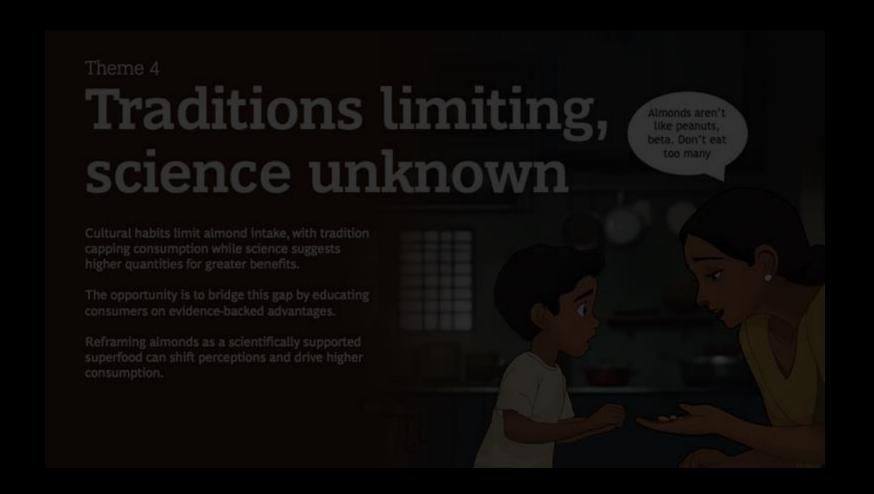


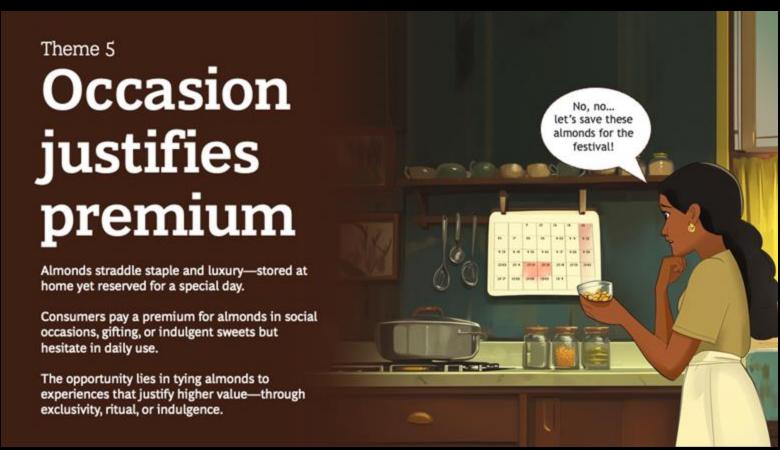
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Consumers pay a prem

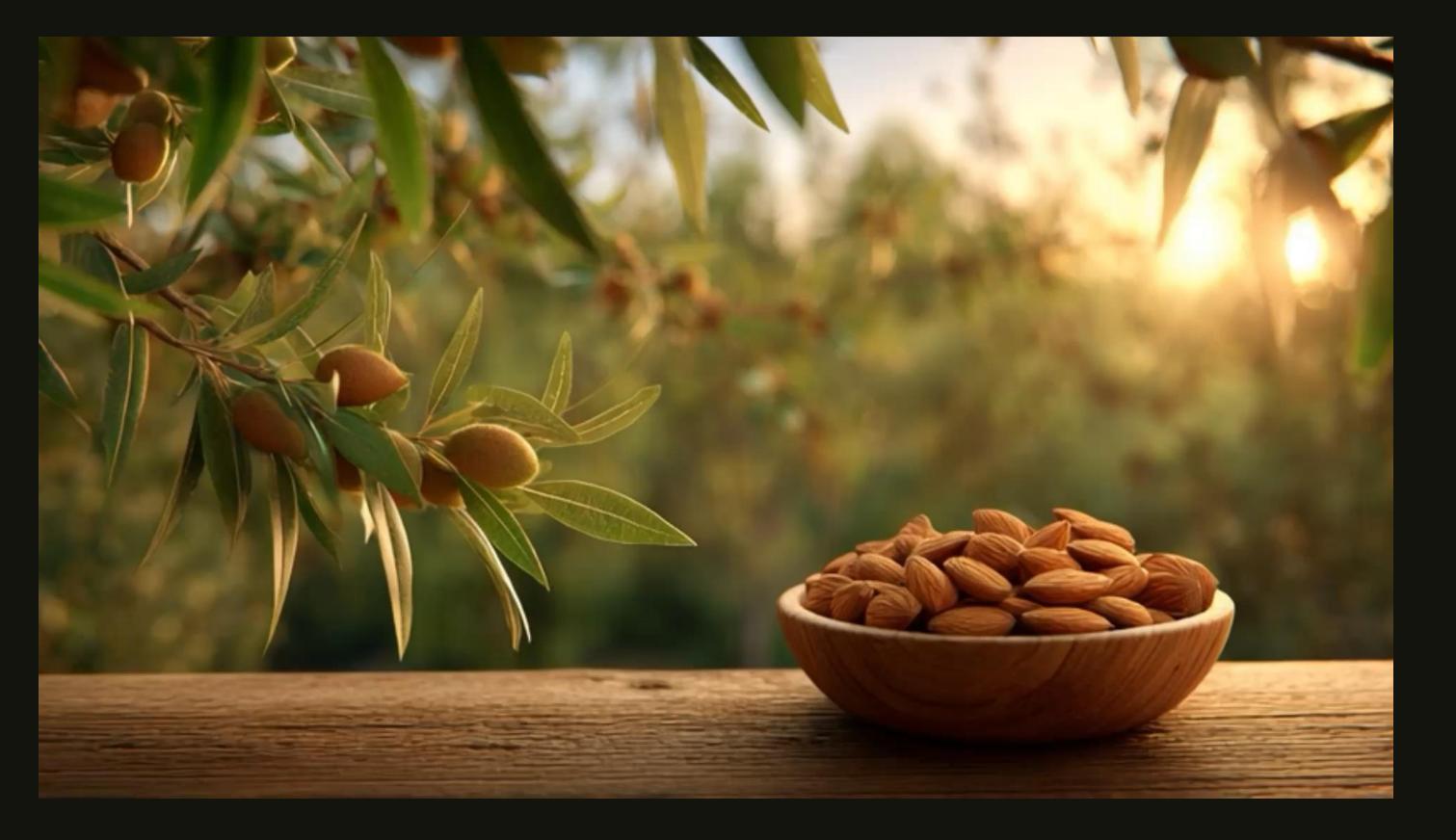
The opportunity lies is experiences that justi

5 key Innovation Themes basis 50+ Consumer Insights





Innovation Sprint with leading coffee chain Delivered 30+ new product ideas, with 10+ prioritized for development







DRIVING GLOBAL DEMAND

Emily Fleischmann

VP, Global Market Development

