



The “Ice Cream” Category
Driven by Innovation,
Sustained by Proven Sellers



- The Food Revolution
- The Rise of the Mindful Consumer – A Key Force in Product Development
- Package Ice Cream (& Novelty) Perspectives
- Trends/What's Next?

Today's Goal: Connect with What Consumers are Saying and Doing (Purchasing)



The Food Revolution

*Shifts toward simpler ingredients and shopping for food online, combined with a rise in small niche brands and grocery-store brands, coupled with changing consumer behavior around food and **the old playbook is irrelevant.***

Steve Presley CEO Nestlé USA

The world I knew when I began my Nestlé's career two decades ago...is unrecognizable today.

The consumers access to information and the amount of information access has **changed everything.**

It's about providing a range of offerings in a category.



Heightened Consumer “Food” Awareness

Increased Seeking, Access & Sharing of Food Information

BLOG’s

FDA (Government Guidelines, Etc.)

Food in Education

Front of Package Nutritionals/Call Outs

Ingredient Labeling

Nutritional Panels

Online Media

Peer Groups

Smart Labels

Social Media

Sourcing Documentation

Traditional Media

Websites



Consumer Awareness...

Impact on Claims & Attributes



Claims & Attributes

Animal Welfare

Cage Free

Clean Label

Dairy Free

Fair Trade

Farm Compliant

Free Range

Gluten Free

GMO Free

Grass Fed

Halal

High Protein

Keto

Kosher

Local

Low Calorie

Low Glycemic

Natural

No Artificial Color

No Artificial Flavor

No Corn Syrup

No Added Sugar

No Artificial Sweetener

No HFCS

No PHO's

Non-Dairy

Non-GMO

Organic

rBSTFree/Hormone Free

Responsible Sourcing

Sustainability

Transparency

Vegan

Vegetarian

THE RISE OF THE MINDFUL CONSUMER

A Key Force in Product Development

The logo for Denali Ingredients features the word "Denali" in a large, blue, bubbly font with a white outline and a registered trademark symbol. Below it, the word "Ingredients" is written in a smaller, blue, bubbly font with a white outline.

INNOVA MARKET INSIGHTS
Source: Innova Market Insights at IFT18

nielsen *xAOC 52 Weeks Ending 12/29/18



Source: FOODINSIGHT.ORG

The Rise of the Mindful Consumer

Non-Dairy (Plant Based) Overarching Drivers/Narratives

Plant-based dairy alternatives positioned as more sustainable than conventional dairy based products.

Plant Based Foods Rise **20%** in 1 Year

Dietary Changes Impacting Dairy Consumption

Non-Dairy (Vegetarian Diets)

Dairy Free (Vegan Diets)

(No Dairy Whatsoever/No Milk Proteins [Whey, Casein, Etc.]

Whole Food Diets

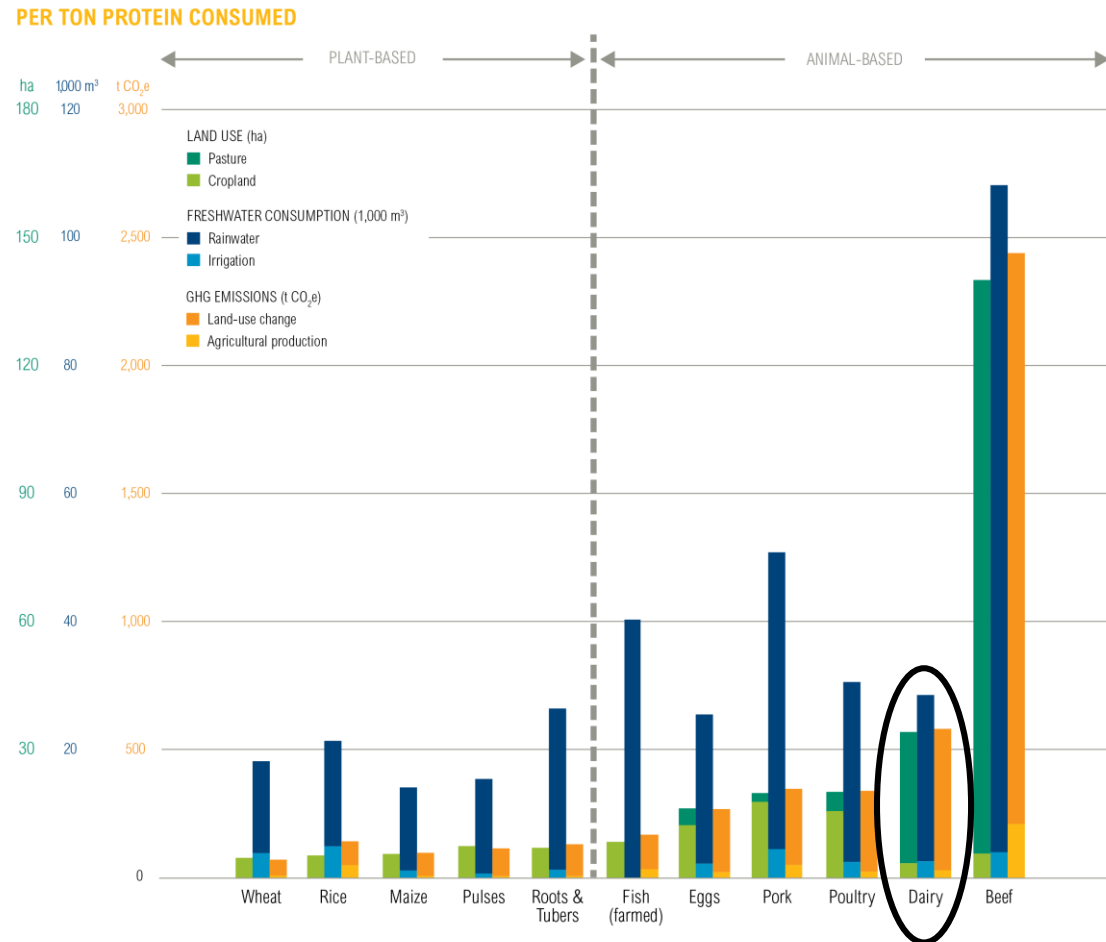
Lactose Intolerance

Dairy Allergies

Animal Welfare

Resource Intensity

Animal-Based Foods Are More Resource-Intensive than Plant-Based Foods



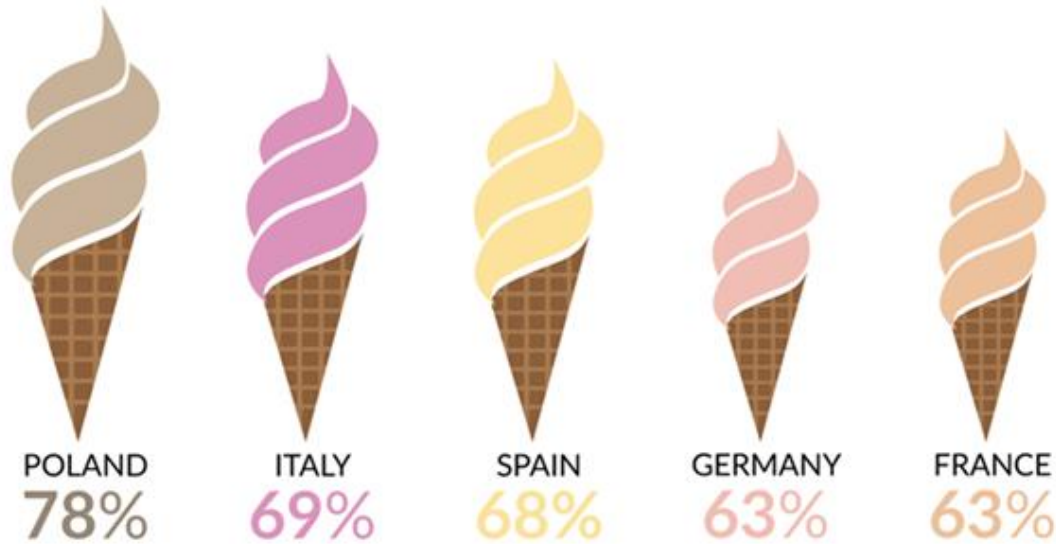
The Rise of the Mindful Consumer

Non-Dairy

European Sentiment Regarding Non-Dairy, Proceeds US

PERCENTAGE OF CONSUMERS INTERESTED IN NON-DAIRY ICE CREAM, 2015

(e.g. almond or coconut based ice cream)



Base: 1840 German, 1808 French, 1919 Italian, 1916 Polish, 1896 Spanish internet users aged 16+
Source: Mintel

US has Embraced Plant Based Beverages

% Purchase (Within the Past Year)



■ Dairy Milk Only ■ Both Dairy and Plant ■ Plant-Based Milk Only



&



Will this Translate to

Non-Dairy Frozen Dessert



&



Ice Cream

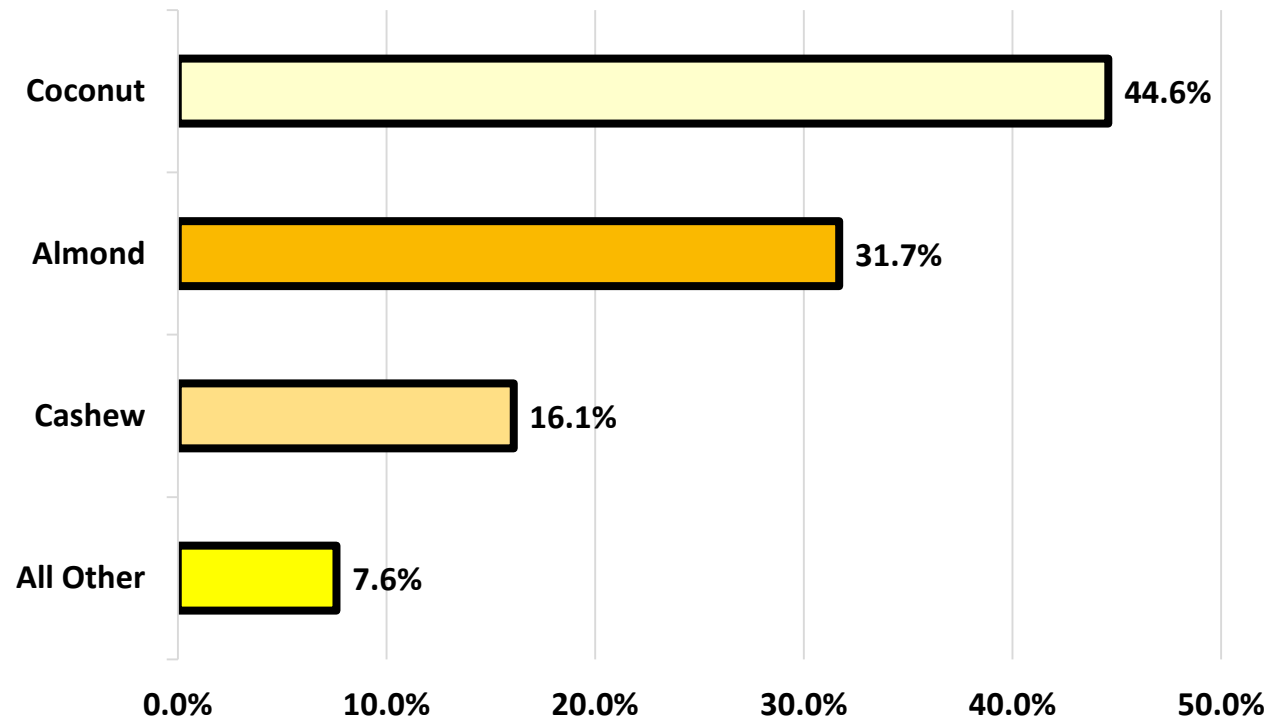
The Rise of the Mindful Consumer

Non-Dairy

Base Options for Frozen Desserts - Coconut, Almond, Rice, Soy, Cashew...and now Oat

Non-Dairy Substitutes or Plant Fat Alternatives (Peanut Butter, Chocolate, Etc.)

Challenges - Sourcing, Cost and Plant Fats Behave Different than Dairy Fats when Freezing



The Rise of the Mindful Consumer

Good for the Body and the World.

Heightened awareness of packaging (amount/recyclable/biodegradable) and food waste.



Values-Led Sourcing



Free Range Eggs



Fairtrade



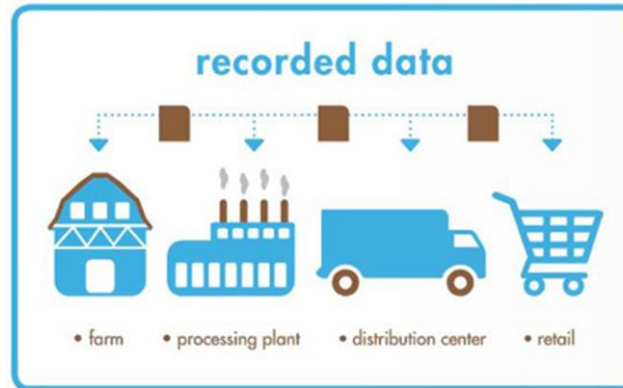
Responsibly Sourced Packaging



Caring Dairy



INNOVA MARKET INSIGHTS

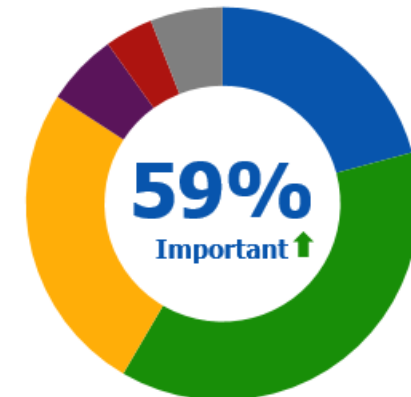


smartlabel™



PLANT BASED FOODS ASSOCIATION

Importance of Sustainability in Food Products Purchased



- Very important
- Somewhat important
- Neither important nor unimportant
- Not very important
- Not at all important
- Don't know enough

Source: FOODINSIGHT.ORG

The Rise of the Mindful Consumer

From snacks to mini meals...convenient product launches featuring wholesome ingredients are designed to sustainance on the go.



**PERFECT
SNACKS**



The Rise of the Mindful Consumer

Consumers are seeking smaller doses of decadence, so one can indulge & at the same time look after their bodies.

NEW!



The Rise of the Mindful Consumer

Bountiful choice...to appeal to diverse consumer tastes, manufactures are expanding product portfolios to offer a broader variety of flavor and functionality.



The Rise of the Mindful Consumer

Consumers Want to Know What's Inside, How It's Made and More



Breyers
Breyers, Ice Cream, Natural Vanilla
1.5 Quart (1.41 L)



077567254238



Claims

Claims listed within SmartLabel™ are either governed by entities such as the USDA, FDA, EPA, Health Canada etc., or defined by participating brands.

100% Grade A Milk and Cream

Partnering with American Farmers for 100% Grade A milk and cream.

Animal Welfare

Made with All American Dairy; with milk and cream from cows not treated with Artificial Growth Hormones*. For more info, visit <http://promo.breyers.com/pledge/>.

* The FDA states that no significant difference has been shown between dairy derived from rBST-treated and non-rBST-treated cows.

Suppliers of other ingredients such as cookies, candies & sauces may not be able to make this claim.

Fresh Ingredient

We start with Fresh Cream, Sugar & Milk

Gluten Free

Kosher

Kosher Dairy

Marketing Message

Our Original Vanilla. The way Vanilla should taste! Made with simple ingredients like fresh cream, sugar, milk and Rainforest Alliance Certified vanilla beans.

Naturally Sourced

Colors and flavors from natural sources. For more info, visit <http://promo.breyers.com/pledge/>



smartlabel™

mPackaging for SmartLabel™



Centralized Product Data Hub



QR Code Management



Landing Page Delivery & Management



INNOVA MARKET INSIGHTS

The Rise of the Mindful Consumer

Information Expansion & Accessibility



Fitness starts with what you eat. Search over 6 million foods in our database. Take control of your goals. Track calories, breakdown ingredients, and log activities with

Breyer's
Breyer's - Icecream

Serving Size : 0.5 cup

80
Cal

0%

0g
Carbs

34%

3g
Fat

10%

2g
Protein

Daily Goals

How does this food fit into your daily goals?

Calorie Goal 1,920 cal

80 / 2,000 cal left

Fitness Goals : Heart Healthy

Fat 64g

3 / 67g left

Sodium 2,255g

45 / 2,300g left

Cholesterol 290g

10 / 300g left

Nutritional Info

Carbs	0 g	Sodium	45 mg
Dietary Fiber	0 g	Potassium	0 mg
Sugar	13 g	Cholesterol	10 mg
Fat	3 g	Vitamin A	6 %
Saturated	2 g	Vitamin C	0 %
Polyunsaturated	0 g	Calcium	6 %
Monounsaturated	0 g	Iron	0 %
Trans	0 g	Percentages are based on a diet of 2000 calories a day.	
Protein	2 g		

Activity Needed to Burn:

80 calories

12

Minutes of Cycling

8

Minutes of Running

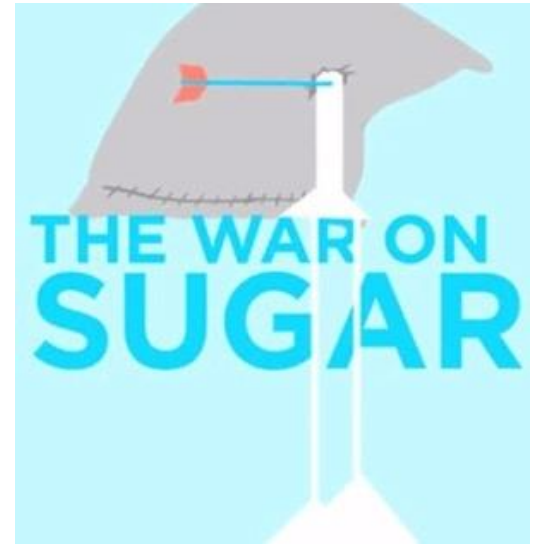
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Minutes of Cleaning

The Rise of the Mindful Consumer

Sugar is Believed to be the Most Likely Cause of Weight Gain

- **77%** are Trying to Avoid/Limit Sugar
- **60%** Have a Negative View of Sugar
- **50%** are Eliminating Soft Drinks & Candy to Reduce Sugar Consumption
- **50%+** Look for Sugar Content/Reduced Sugar on Package (#1 ingredient looked for, varies by category)
- **25%** are Eliminating Frozen Desserts to Reduce Sugar Consumption



The Rise of the Mindful Consumer



The US consumes more sugar per capita than any other country in the world. On average, Americans consume:

126.4 grams of sugar daily = ¼ of a pound

More than 10 times the lowest recommendation!

FDA has proposed an extension of the compliance dates for changes to labeling added sugars and dietary fiber to provide more time for manufacturers to review FDA guidance on the rules once finalized and implement them.⁵ Implementation of the changes to the Nutrition Facts Label may be delayed until January 2020 (for large companies) and January 2021 (for smaller companies).



CURRENT LABEL

Nutrition Facts			
Serving Size 2/3 cup (55g)			
Servings Per Container About 8			
Amount Per Serving		% Daily Value*	
Calories 230	Calories from Fat 72		
Total Fat 8g			12%
Saturated Fat 1g			5%
Trans Fat 0g			
Cholesterol 0mg			0%
Sodium 150mg			7%
Total Carbohydrate 37g			12%
Dietary Fiber 4g			16%
Sugars 1g			
Protein 3g			
Vitamin A			10%
Vitamin C			0%
Calcium			20%
Iron			5%
	Calories	2,000	2,500
Total Fat	Less than	45g	80g
Sat Fat	Less than	20g	35g
Cholesterol	Less than	300mg	300mg
Sodium	Less than	2,400mg	2,400mg
Total Carbohydrate		300g	375g
Dietary Fiber		25g	30g

NEW LABEL

Nutrition Facts	
8 servings per container	
Serving size	2/3 cup (55g)
Amount per serving	
Calories	230
% Daily Value*	
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbs 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 235mg	6%

Serving sizes

will be more realistic to reflect how much people typically eat or drink at one time (sugar and calorie numbers may increase on the label)

Calories

will be shown in a larger size

Daily value %s

have been updated and will be listed more prominently

Added sugars

will be called out separately

A daily value

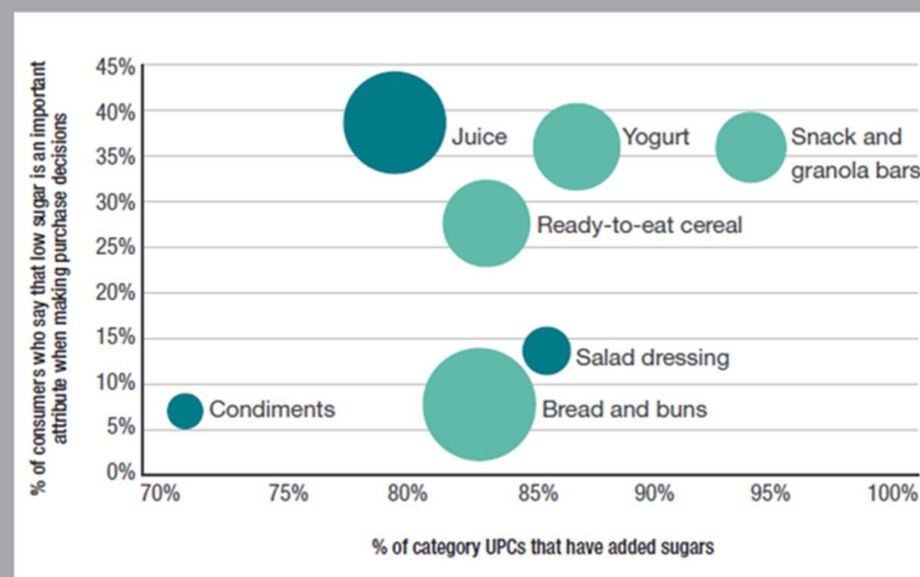
of 50 grams will be used to calculate the % for Added Sugars line

* Percent Daily Values are based on a 2,000 calorie diet. Your daily value may be higher or lower depending on your caloric needs.

*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

The influence of sugar on purchase decisions

Categories with sugar could be affected by label changes



● Growing Category, But Less Than +1% ● Declining Category

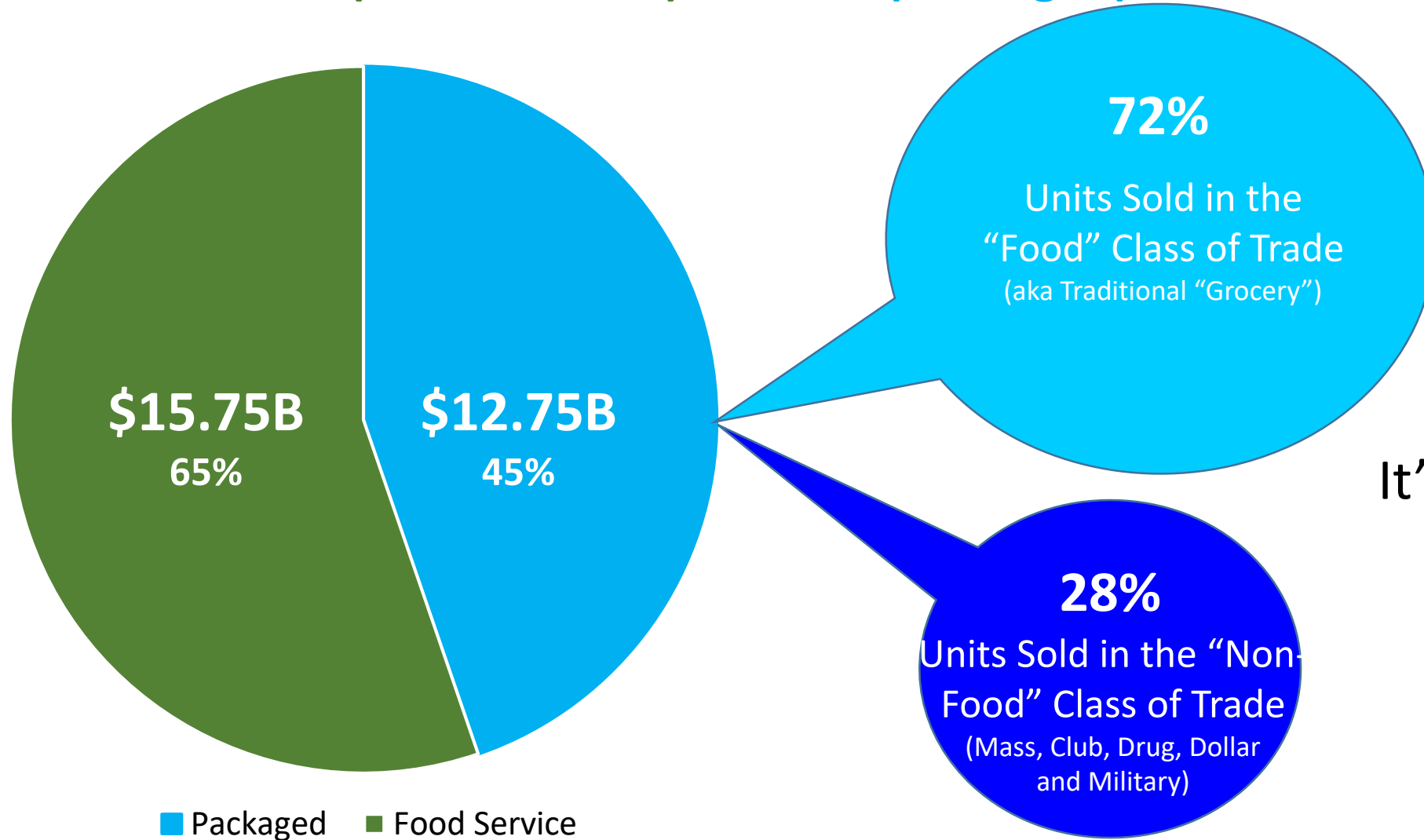
PACKAGED ICE CREAM (and novelty) PERSPECTIVES

The logo for Denali Ingredients features the word "Denali" in a large, blue, bubbly font with a white outline and a registered trademark symbol. Below it, the word "Ingredients" is written in a smaller, blue, bubbly font with a white outline.

nielsen xAOC 52 Weeks Ending 12/29/18 (2018)

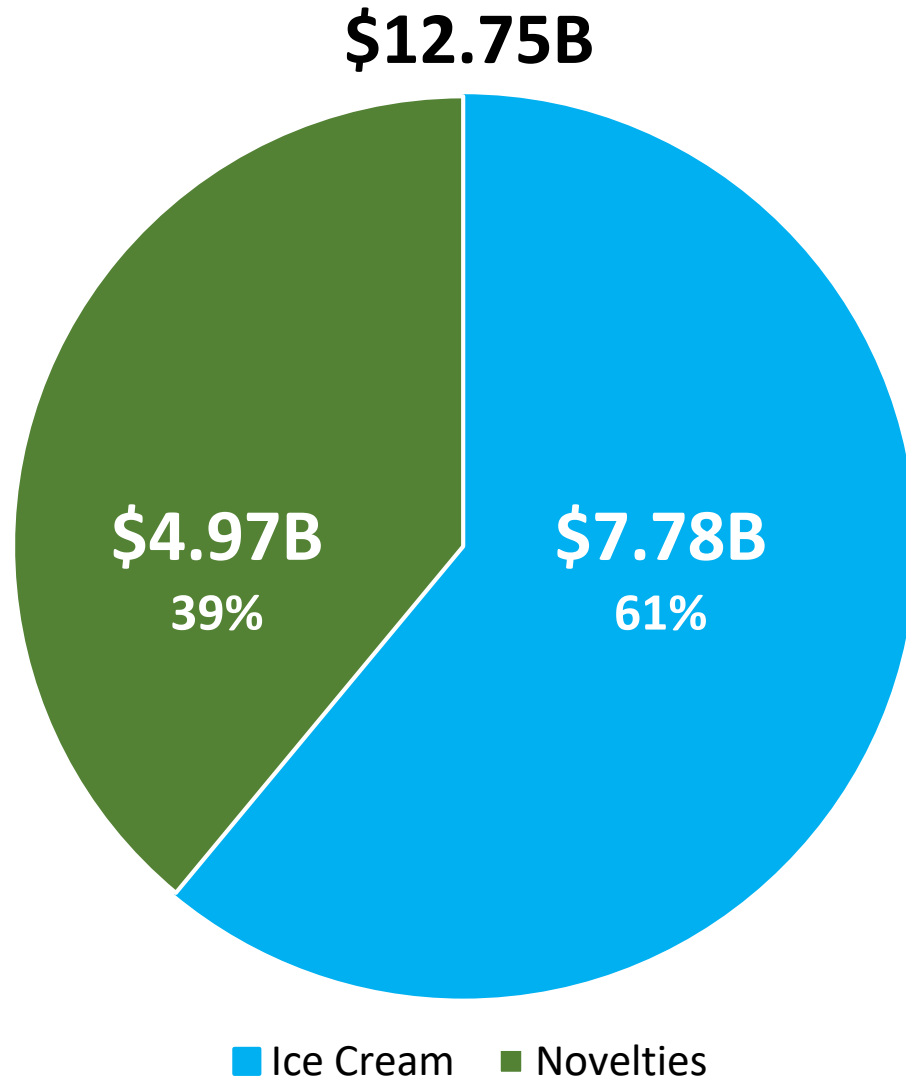
\$28.5B of Ice Cream & Novelties (Est.)*

Food Service (Out-of-Home) & Retail (Packaged)



It's a **BIG** Category

Packaged Ice Cream & Novelties - Category Size in \$'s (Est.)*



Promotion Behavior (Unit Sales)

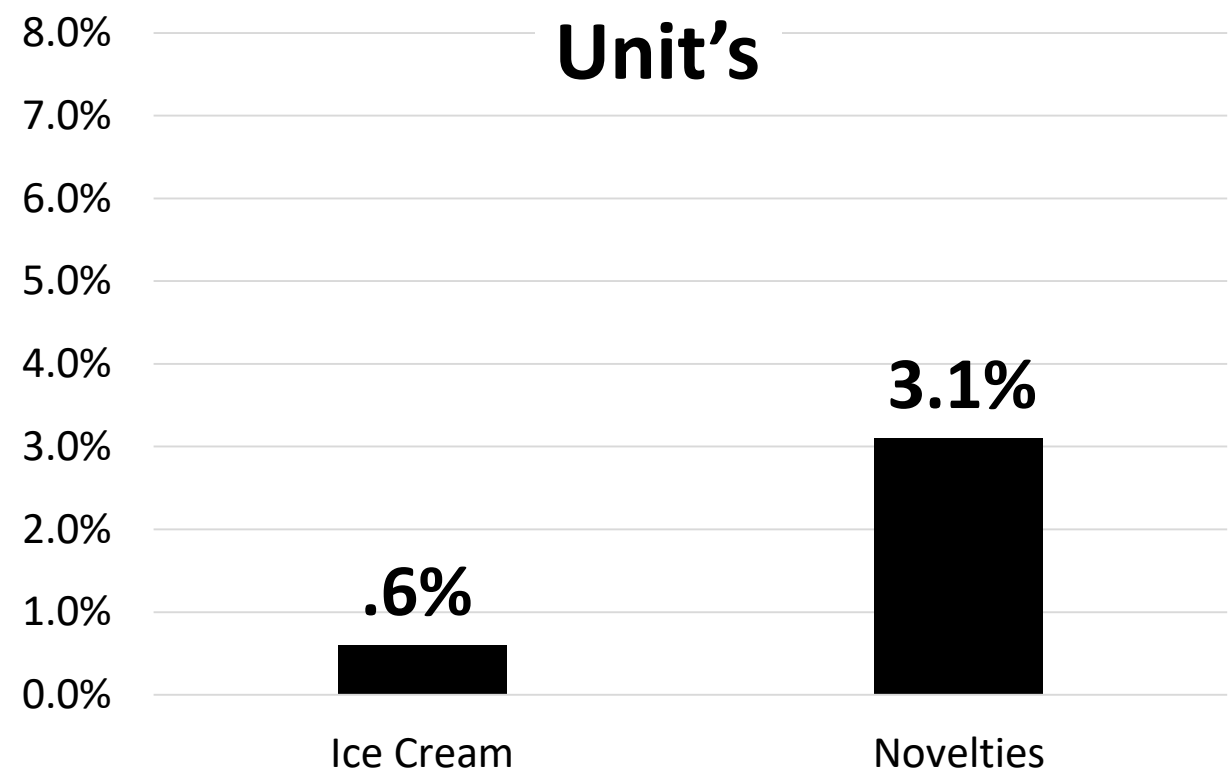
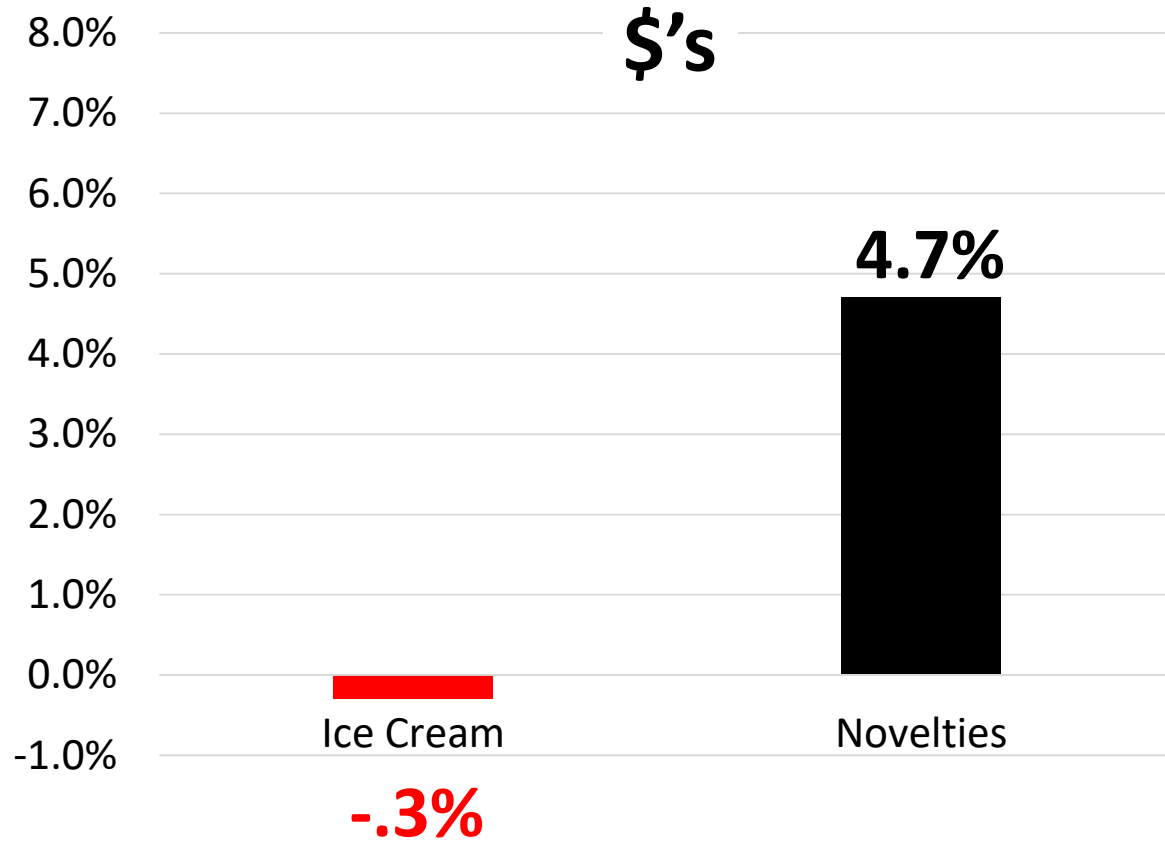
Ice Cream

51.3% on Promotion
48.7% No Promotion

Novelty

34.5% on Promotion
65.5% No Promotion

Packaged Ice Cream & Novelty - Trends



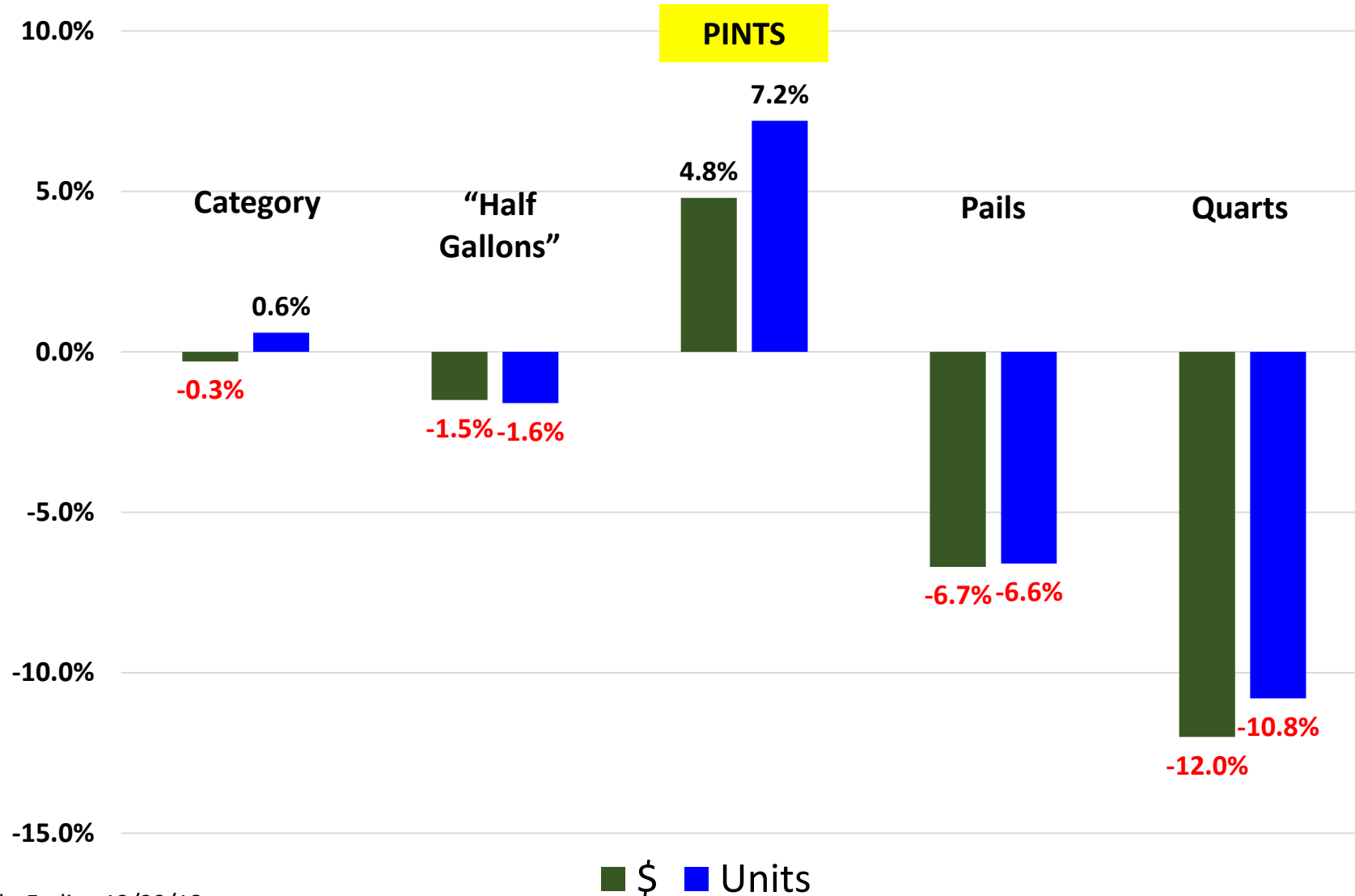
Packaged Ice Cream – Pint Explosion / Category Fragmentation

- Halo Top (Lo-Cal/High Protein)
- Private Label Lo-Cal/High Protein (Halo Top style)
- Breyers Delights (Lo-Cal/High Protein)
- Skinny Cow Pints (Lo-Cal/High Protein)
- Artich Zero (Light (New)/Low Calorie Ice Cream)
- Enlightened (Lo-Cal/High Protein/Low Fat) expansion
- Yasso Frozen Greek Yogurt Pints (Lo-Cal/High Protein)
- Kemps Frozen Yogurt JoyFULL Scoops 48oz (Lo-Cal/High Protein)
- Slim-Twin (Lo-Cal/Low Fat/High Protein/Organic)
- Swell (Lo-Fat/High Protein) - Formerly Pro-Yo
- Chilly Cow 8oz Single Serve Cups (Lo-Cal/High Protein)
- Outshine Pints (Non-Dairy, Yogurt & Granola)
- Ben & Jerry's Non-Dairy
- Haagen-Dazs Non-Dairy
- Halo-Top Non-Dairy/Dairy Free
- Ben & Jerry's Moo-Phoria Light Ice Cream
- Talenti Gelato Crafted w/ Less Sugar
- Magnum Pints (w/ Package/Fill Innovation)

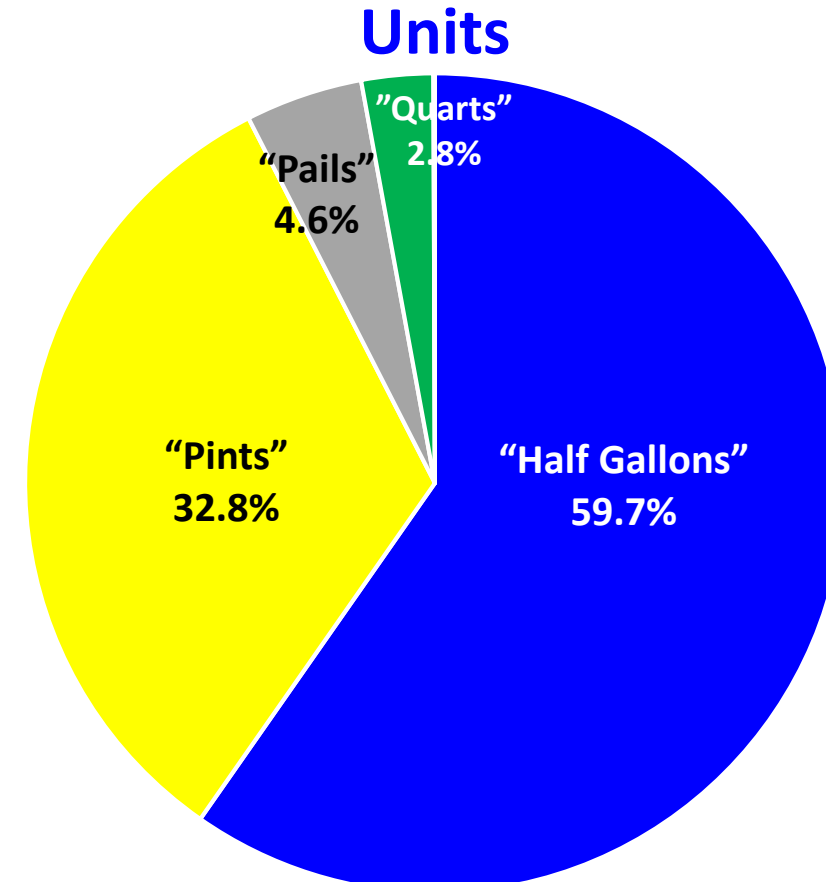
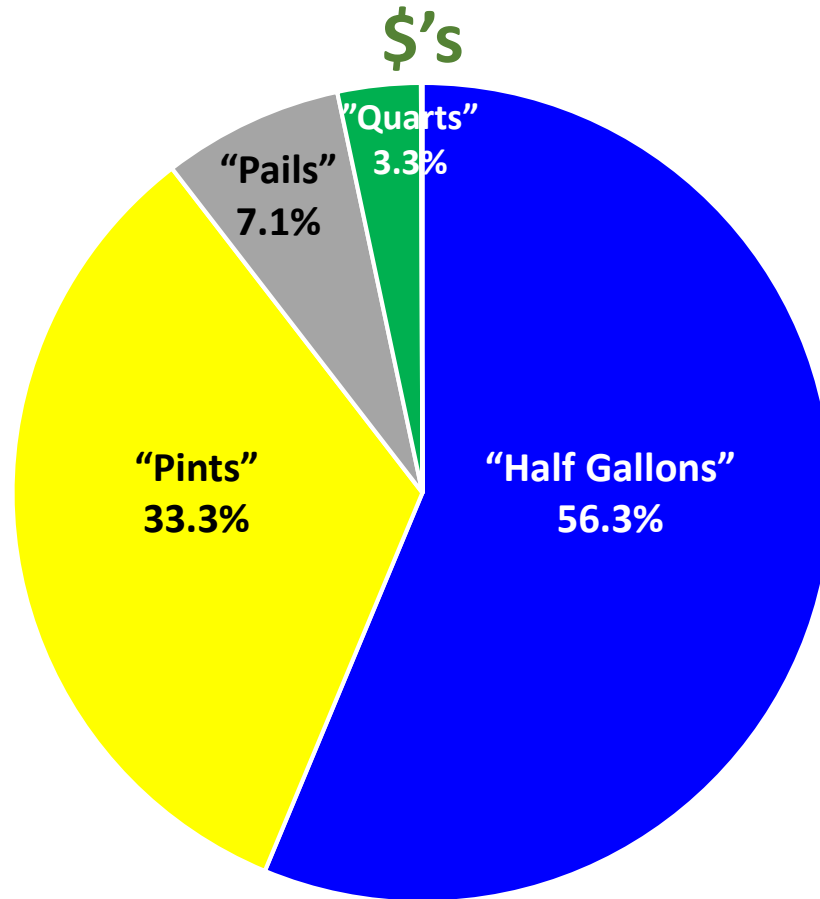


29? 230?

Packaged Ice Cream – Trends by Package Size



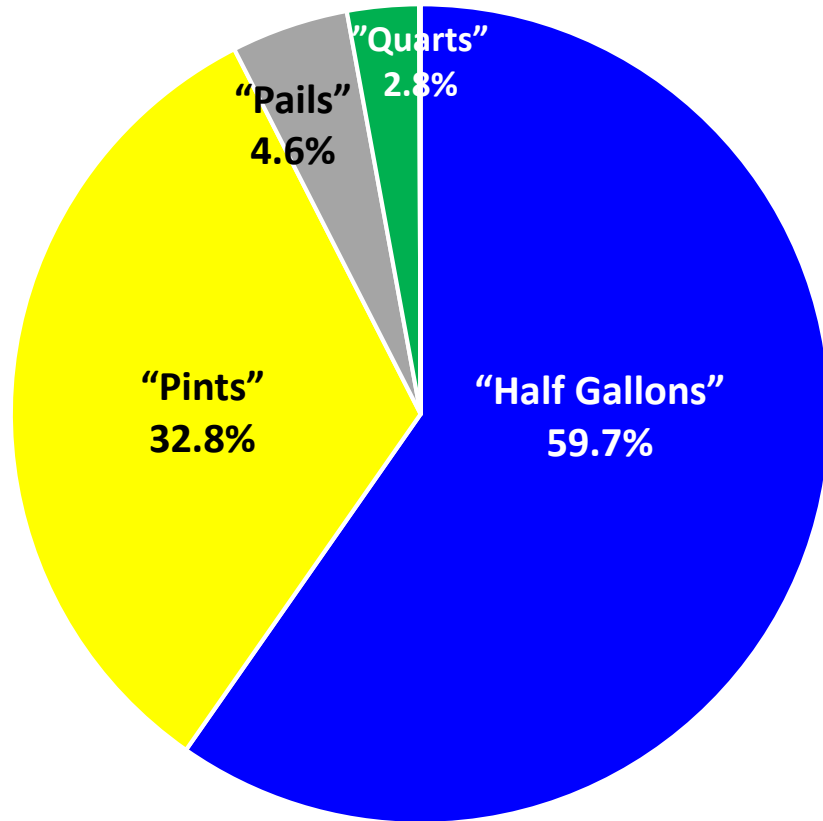
Packaged Ice Cream - Contribution by Package Size



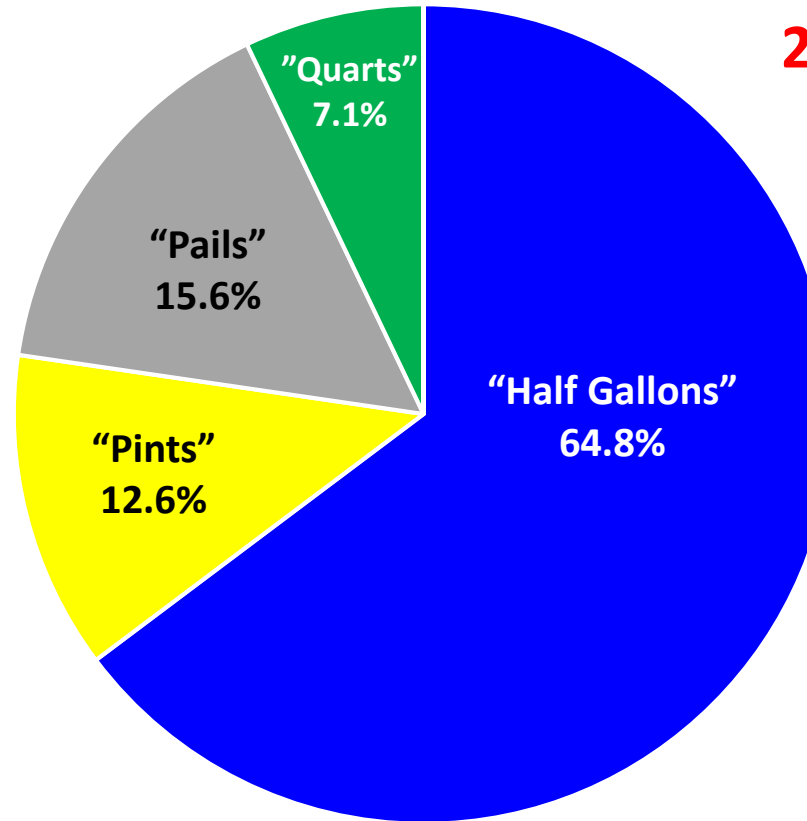
PACKAGE SIZE	\$	\$ Year Ago	\$ Change	% Change	\$'s % of Total	Units RANK COLUMN	Units Year Ago	Units Change	Units % Change	Units % of Total
"Half Gallons" 46oz-64oz	\$3,457,270,114	\$3,510,174,829	(\$52,904,716)	-1.5%	56.3%	985,121,156	1,000,790,098	(15,668,941)	-1.6%	59.7%
"Pints" 14oz-20oz	\$2,042,653,892	\$1,949,172,069	\$93,481,823	4.8%	33.3%	540,872,617	504,465,446	36,407,171	7.2%	32.8%
"Pails" 128oz +	\$438,107,318	\$469,565,119	(\$31,457,801)	-6.7%	7.1%	76,345,487	81,744,519	(5,399,032)	-6.6%	4.6%
"Quarts" 21oz-32oz	\$201,357,919	\$228,690,238	(\$27,332,319)	-12.0%	3.3%	46,681,972	52,324,076	(5,642,105)	-10.8%	2.8%
"Single Serve" 4oz +	\$3,475,593	\$3,354,640	\$120,952	3.6%	0.1%	976,141	920,284	55,857	6.1%	0.1%
Grand Total	\$6,142,864,836	\$6,160,956,895	(\$18,092,059)	-0.3%	100.0%	1,649,997,373	1,640,244,423	9,752,951	0.6%	100%

Packaged Ice Cream - Contribution by Package Size

Units



Gallons



2018 Consumption was Down (est.)

-1.9%

-9.85M Gals



Gallons

2016 = -16M

2017 = -14.8M

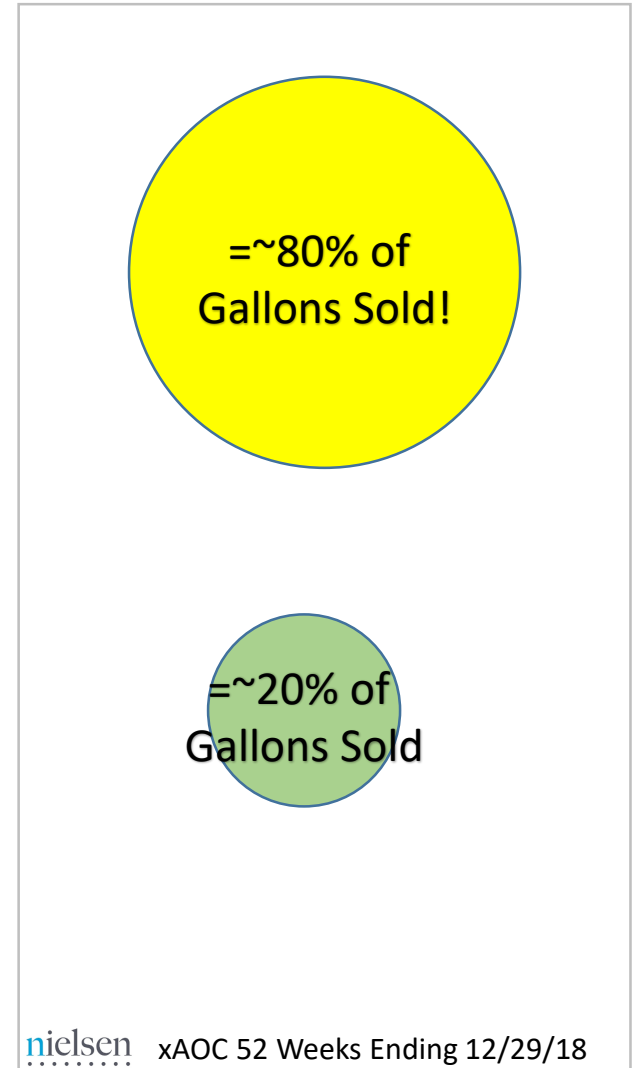
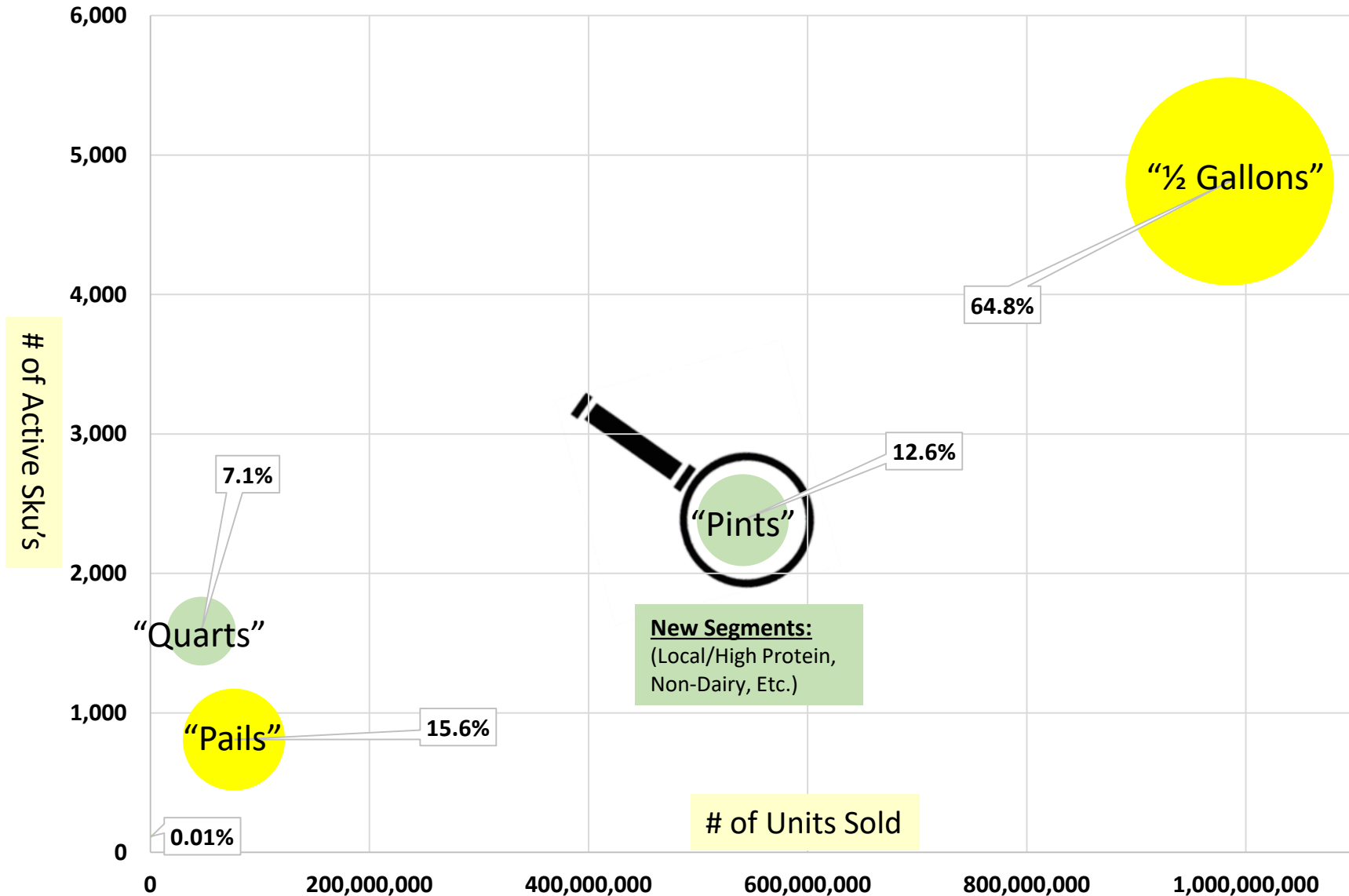
2018 = -9.85M

3 Years = **-\$40.6M**

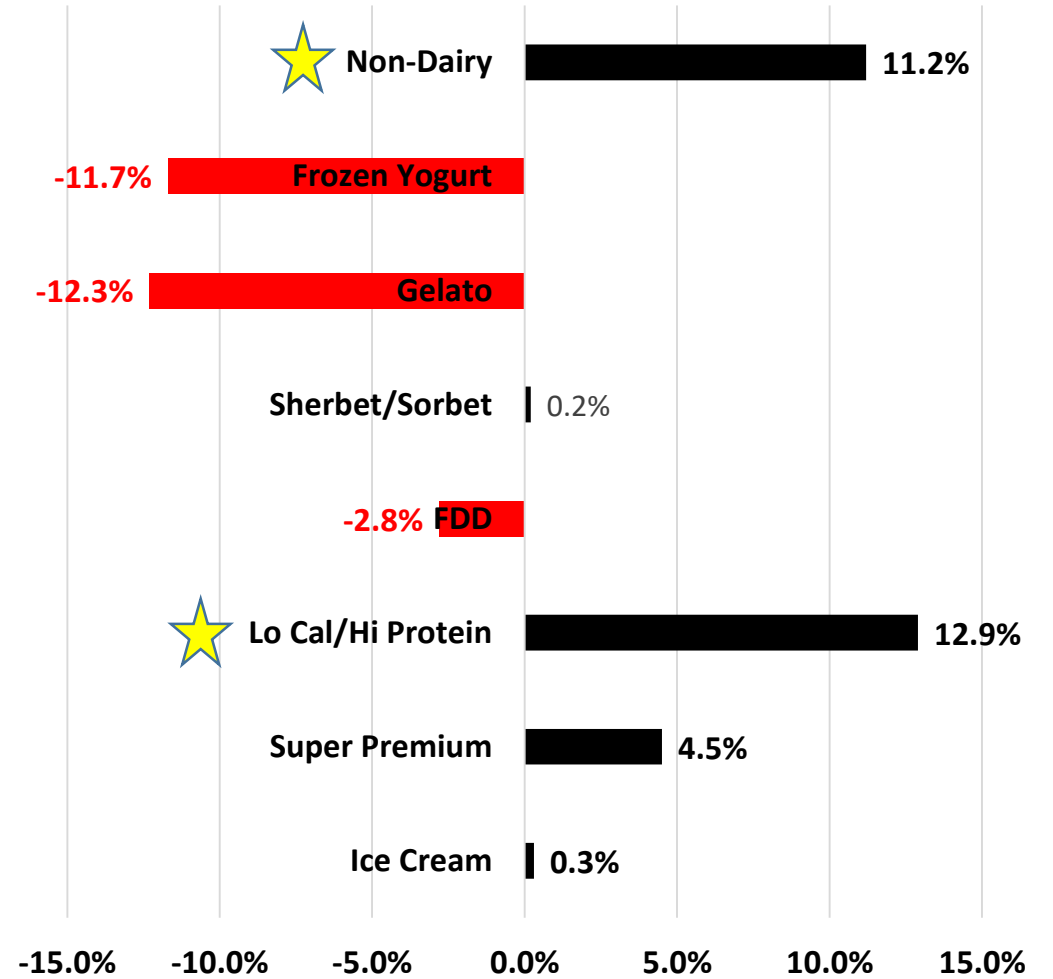
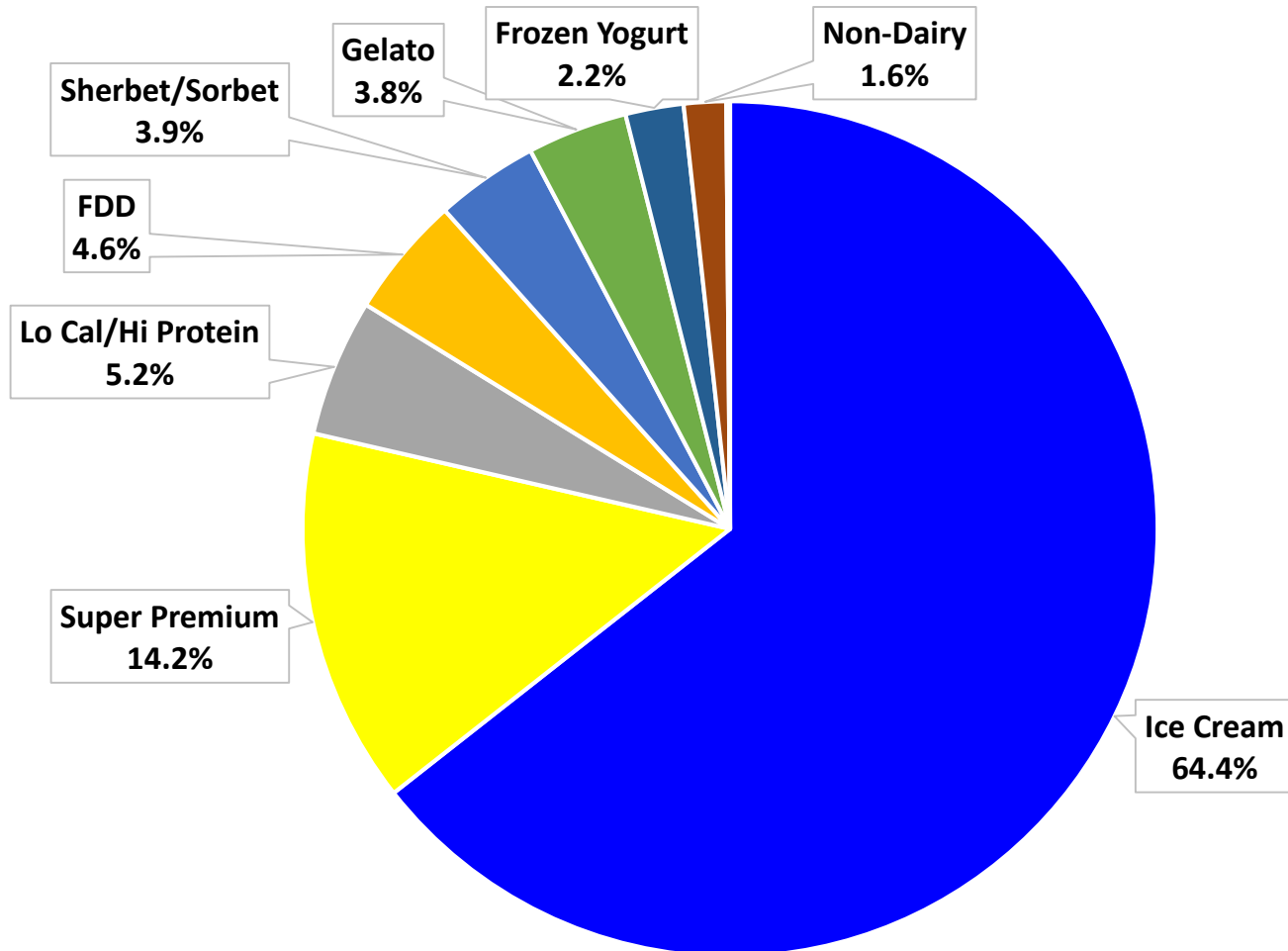
(~**-7.2%** Loss)

PACKAGE SIZE	Gallons	%
"Half Gallons" 46oz-64oz	337,508,031	64.8%
"Pints" 14oz-20oz	65,465,981	12.6%
"Pails" 100oz +	81,297,629	15.6%
"Quarts" 21oz-32oz	36,914,197	7.1%
"Single Serve" 4oz +	59,853	0.01%
Grand Total	521,245,691	100.0%

The Ice Cream Category - Gallon Contribution by Package Size



Packaged Ice Cream – Unit Contribution & Trends by Formulation Type



Packaged Ice Cream

Trend Summary



Category Unit and \$'s Sales ~“**FLAT**” (2+ years running)



Consumption (total gallons consumed) are **DOWN** (-1.2%/-9.85M Gal)



Pints Units are **UP** (+7.2%)



All Other Package Types are **DOWN**



Super Premium Ice Cream is **UP** (+4.5%)



Low Calorie/High Protein (+12.9%...but slowing)
& Non-Dairy are **UP** (+11.2%)



All Other Segments are **DOWN**

Packaged Ice Cream Category

Overall Summary

The “Mainstay”...Traditional Ice Cream

(= 65% of the Units/~80% of Gallons Sold!)

The “Disruptor”...Low Calorie/High Protein...but Cooling Off!

The “Emerger”...Non-Dairy

The “Decliners”...Frozen Yogurt, Gelato & FDD

The “Call Out”...The Category is More Fragmented than Ever!

Packaged Ice Cream

Tailwinds & Headwinds

90%+ Household Penetration

Primary Outlet is Grocery

Americas Favorite Sweet Treat

Dynamic, Innovative



Consumption is Down

Consumers Leaving the Category,
Portion Control, Pints, Etc.

Sugar Ain't So Sweet

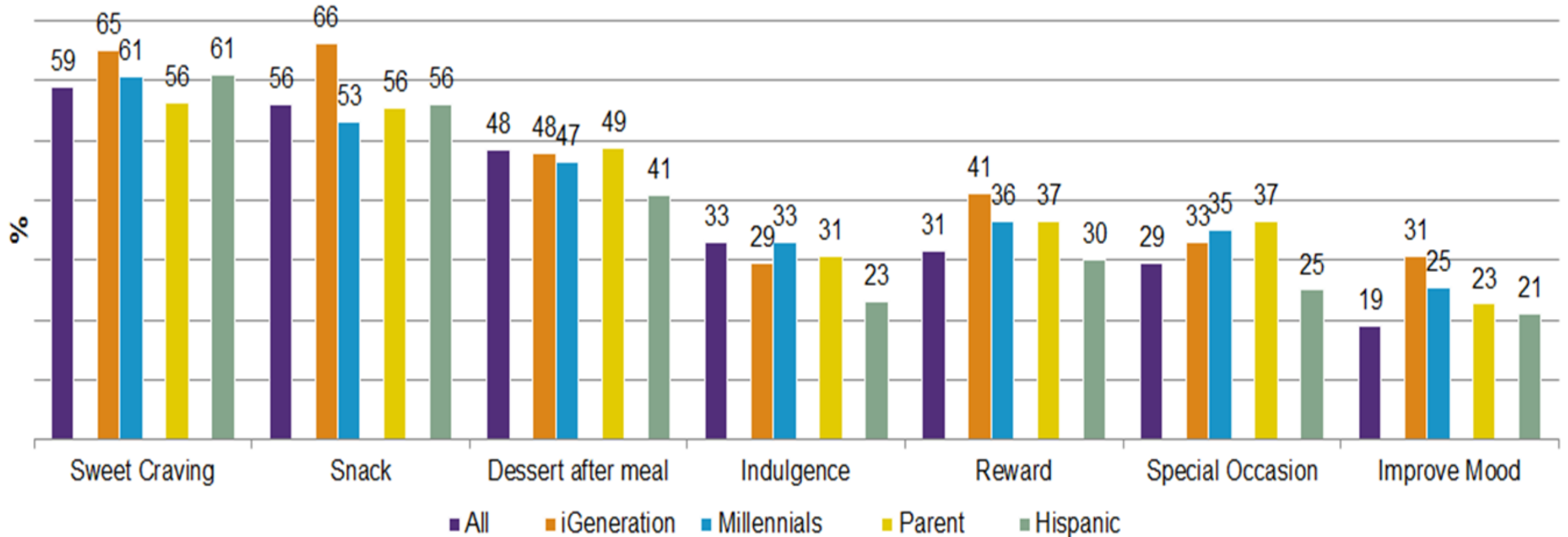
Category Fragmentation

<Impulse Purchase*

Center store declines, online
ordering, delivery, etc.

Packaged Ice Cream – Participation Drivers

Despite all the Category Disruption, Participation Drivers Remain Consistent

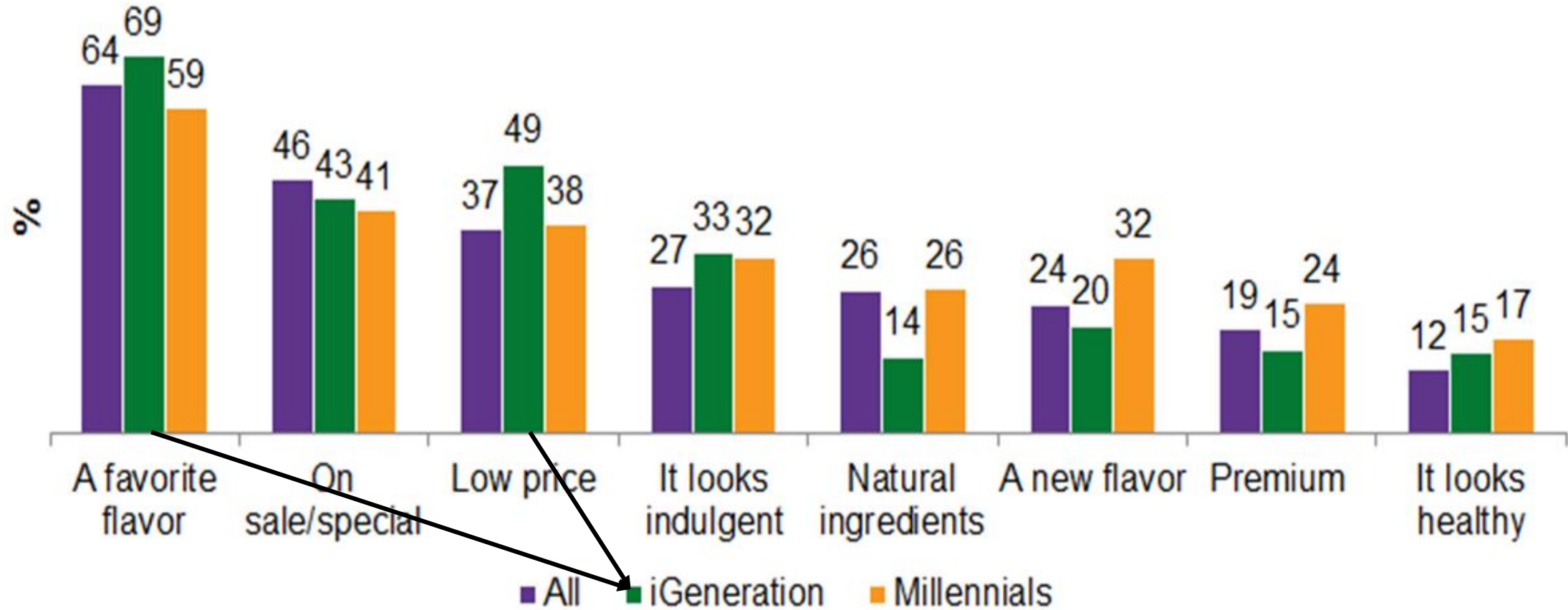


Consistent by Generation & Not Much Change Overall



Packaged Ice Cream – Purchase Drivers

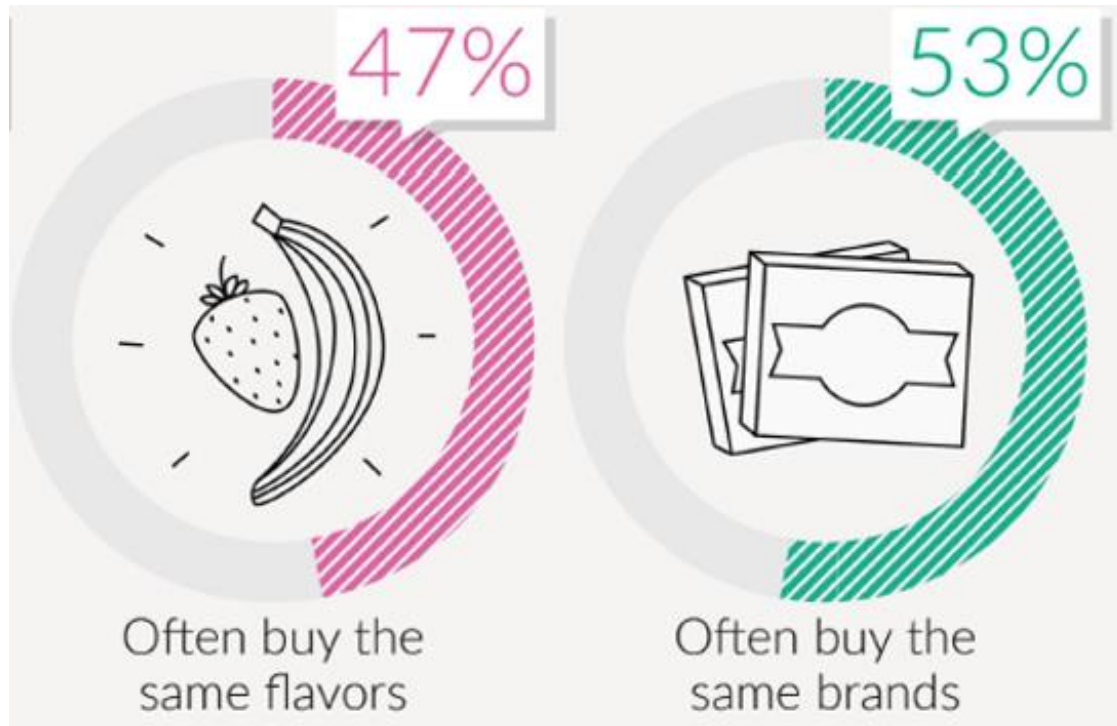
Despite all the Category Disruption, Purchase Drivers Remain Consistent



Gen Z, iGen, or Centennials: Born 1996 and later – Up to 21

Packaged Ice Cream

Despite all the Category Disruption, ~Half of all Consumers are Quite Consistent and have Established Favorites (flavors & brands) they Purchase/Consume.



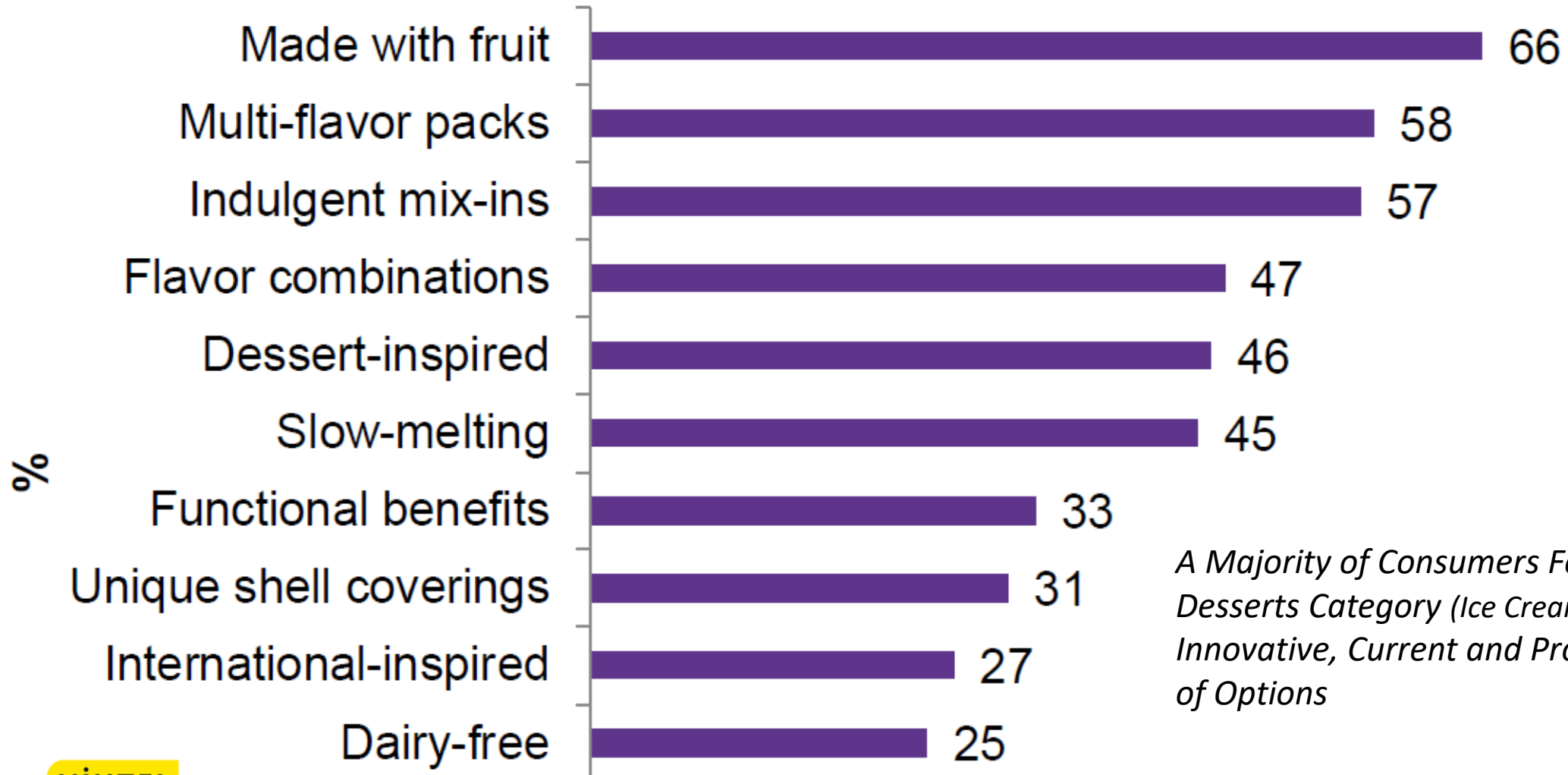
TRENDS/WHAT'S NEXT?

Flavor/ Experiences / Formulation (& Attributes)



Packaged Ice Cream

Innovation are Consumers Looking for Now



A Majority of Consumers Feel the Frozen Desserts Category (Ice Cream/Novelties) is Innovative, Current and Provides Plenty of Options

Trending - Flavors

Frozen Desserts & Beyond

- Brown Butter
- Brown Sugar
- Buttermilk
- Caramel/Flavored Caramels
(Maple Carmel, Espresso Caramel, Etc.)
- Cereal Flavors
- Cinnamon
- Coffee/Cold Brew
- Graham
- Honey/Honeycomb
- Frozen “Hot Chocolate”

- ***OATS/OAT BEVERAGES***

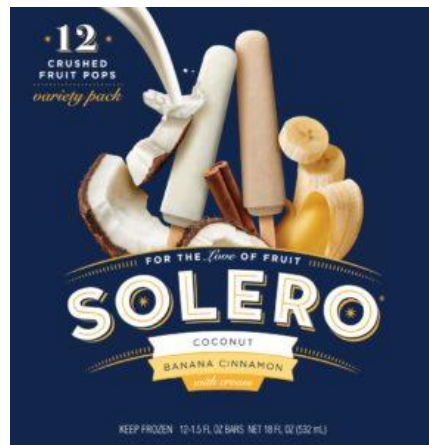
- Pumpkin (still trending)
- Peanuts/Peanut “Milk”
- Peanut Butter/Flavored PB
(Honey Roasted, Maple PB, Etc.)
- Sunflower Oil/Seeds
- Sweet & Salty (still trending)
- Sweet & Savory
- Sweet & Sour
- ***TURMERIC***



9 out of 10 TV chefs say "TOO-mer-ic," it should be "TER-muh-rihk."

Trending – Flavors

Fruit Combinations and Fruit Show (specifically in novelties)



- Avocado
- Banana
- Coconut
- Cranberries
- Jackfruit
- Lime
- Mango
- Passion Fruit
- Peach
- Summer Berries
- Tropical Fruits
- Watermelon



Packaged Novelties

Fruit is HOT

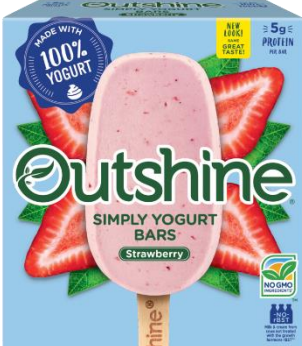
Better for You is Resonating (Diet Brands are Not)

Super Premium and Portion Control is IN!

Novelty & Pints Cross Pollination

Experiential + Artistic + Fashionable = Aspirational = Social Media Shareable

Skippy Cow weightwatchers



www.haagendazs.us
www.magnumicecream.com

Trending – Experiential Attributes

Texture – Chewy, Crunchy, Goopy, Etc.



Visual – Shapes, Colors, Glitter Etc.

Enhancing Flavor



- Burnt
- Cooked
- Caramelized
- Salted
- Toasted

Trending – Cookie Dough

A Dough-Nation Looking for Dough-vation

DOUGH DIP SHOPS TRENDING IN LARGE CITIES



www.cookieдонyc.com

FOOD SERVICE



Chocolate Chip Cookie Dough
Polar Pizza®

EDIBLE COOKIE DOUGH SOLD AT RETAIL



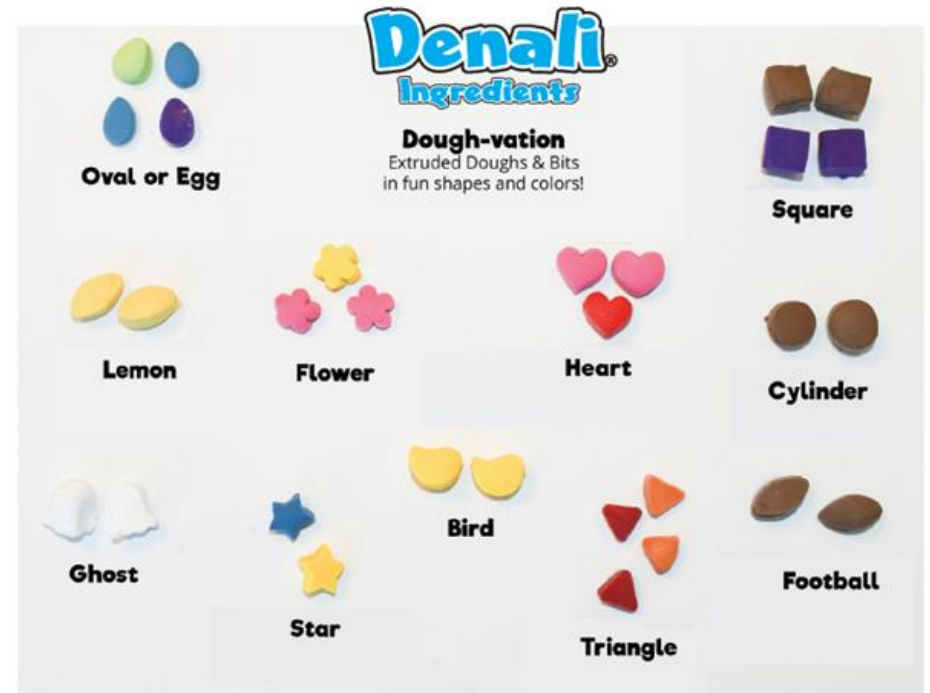
Refrigerated

Frozen

2018 “Dough” Flavors
Grew **5.3%** and are **~5.0%**
or 78.5m Units
of the Categories Unit Volume



Categories Units **+6%**
2017 “Dough” Growth **+16%**



New Cookie Dough Cores from Ben & Jerry's

Dough lovers, this one's for you! Introducing 3 new flavors, each featuring a thick core of euphoric cookie dough. Which one will you dough for first?



Chocolate Chip Cookie Dough Core
Cookie Milk Ice Cream with Fudge Chips
& a Chocolate Chip Cookie Dough Core



Sweet Like Sugar Cookie Dough Core
Sweet Cream Ice Cream with a hint of Almond flavor &
Shortbread Cookies & Cherry Ice Cream with Cherries
& a Sugar Cookie Dough Core

Wake & "No Bake" Cookie Dough Core
Vanilla Ice Cream with Peanut Butter Cookies,
Peanut Butter Ice Cream with Fudge Chips
& a No Bake Cookie Dough Core

Trending – Side by Sides

Multi Flavors as Consumers Desire Variety

(Within a “Half Gallon” vs. several pint purchases. Also suggests portion control)



SLOW CHURNED®
Chocolate Fudge
Cores



SLOW CHURNED®
Creamy Chocolatey
Cores



SLOW CHURNED®
Rich Caramel Cores

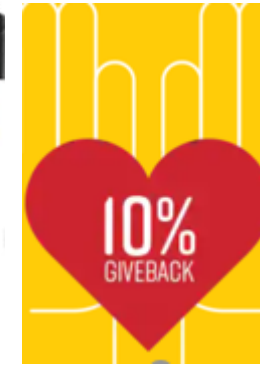


SLOW CHURNED®
Salted Caramel
Cores

Trending/Continuing - Partnerships



Nestlé



To Local Artist

MUSEUM OF ICE CREAM



TASTY

BuzzFeed

Tasty Videos on [Facebook](#), [Instagram](#), [Pinterest](#), [YouTube](#) and [Twitter](#)
500 million monthly social media viewers



Another Social media Driven Brand

Emerging Formulation – Less Sugar



Reducing Sugar

- **Options for Clean Label/Body and Texture** (Erythritol, Inulin, Citrus Fiber, Pea Protein, Sunflower Lecithin, Tapioca Syrup). Sweeteners (Monk fruit, Stevia, Etc.)
- **Options for Non-Clean Label** (Sugar Alcohols, Polydextrose, Maltodextrin)
- **Challenges** – Cost, Processing, Sourcing

Emerging Formulation – Ultra-Filtered Milk

Fairlife milk flows through soft filters to concentrate milk's goodness, like protein and calcium, and filter out the sugars.

Chilly Cow is the first protein-packed, light ice cream to use ultra-filtered milk. **Less sugar**, more protein, etc.



Emerging Formulation - Organic



OLD PACKAGING



NEW PACKAGING



Interests in Organic Ice Cream is Rising

Organic Ice Cream Participation Higher on the West Coast/West Coast Centric

Organic is <1% of the Ice Cream Category (~5% +/- of Total Food)

A Majority of Organic Food are Simple Whole Foods (e.g. fruits & vegetables, milk & meats).

A Small % (Est. <15%) is a Complex/Processed Foods

Cost is a Barrier

Sourcing is a Challenge

Emerging Formulation - Soft/Easy Scoop/Ready to Eat



Emerging - Probiotics



Maturing Formulation – Lo Calorie/High Protein



Lo-Cal/High Protein

- Options – Milk Protein, Whey Protein, Pea Protein and Faba Bean Protein
- Challenges – Hydration, Body & Texture, Shrinkage (Retail Packages)

Fast Emerging - Formulation Non-Dairy

Non-Dairy Requests
(in General) Contain
many Additional Claims



Dietary Certifications



Vegan



Kosher Dairy

Values-Led Sourcing



Non-GMO



Fairtrade



Responsibly
Sourced
Packaging



Fast Emerging Formulation - Keto



Keto was the #1 Searched Diet in 2018

on
Google

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R&D

**Pilot
Plant**

Thank YOU!



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