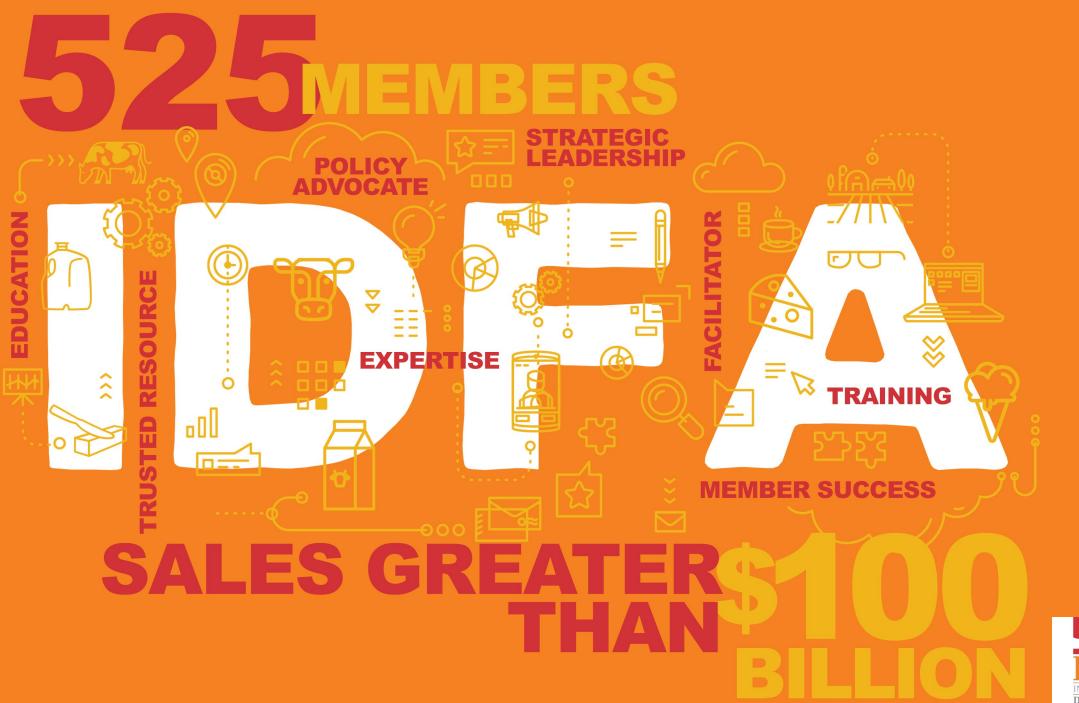
### Issues Briefing Meetings of the IDFA Executives Council and Industry Segment Boards Tuesday, March 26, 2019 McCormick Place | Chicago





# President's Report







### IDFA Represents the Dairy Industry







### **IDFA Executive Team**





### New Governance Structure Implemented

IDFA Executive Council

#### Industry Segment Boards

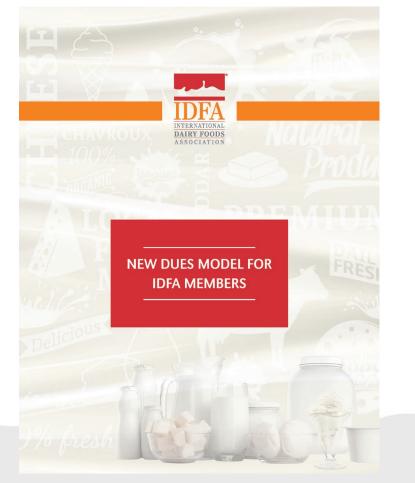
IDFA Fluid Milk Board IDFA IceIDFA CheeseCream BoardBoard

IDFA Yogurt and Cultured Products Board National Yogurt Association IDFA Ingredients Board

### **Committee Restructure**

IDFA INTERNATIONAL DAIRY FOODS

### New IDFA Dues Model Approved





#### **PILLARS OF SUCCESS**

IDFA identified four pillars of success that the dues model would strive to achieve.

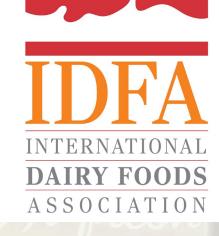
- Simple easy to understand
- **Q** Transparent no complex formulas or hidden costs
- Equitable level playing field for all members



**Stable** – constant revenue stream to support growing member services and expert staff



# Our Dairy Industry





### Our Dairy Industry: Looking Ahead

- Fewer, larger farms
- More direct producer participation in plant investment
- US milk production outstrips domestic demand and producers will continue to grow further.
- Less Class I utilization
- Processor consolidation will continue
- More exports in a challenging global marketplace
- Consumers are demanding more......



### Uncertainty

### Opportunity

DAIRY FOODS

### Dynamic

### Consolidation



# Political

# Outlook



### Political Landscape: Partisanship Continues





### Political Landscape: Rural/Urban Divide



#### Rural/Urban Divide –

- 34 districts 50% or more rural
- 155 districts 95% or more urban
- Top 50 most rural districts: 40 R's vs. 10 D's



### Executive Branch



### Congress



#### **Funding Debate in September**

- No more shutdowns!
- Debt Ceiling Increase lot of controversy!

#### **Much Debate and No Action**

- Immigration
- Medicare for all
- Prescription Drug Prices
- New Green Deal
- Infrastructure



### Election 2020







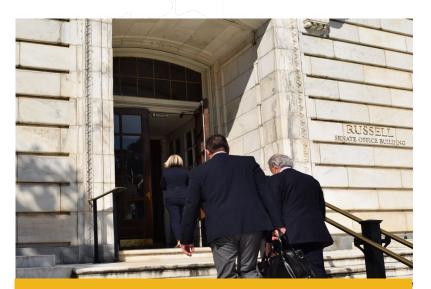
### **Election 2020: A Crowded Field**





### **IDFA Working for Members**

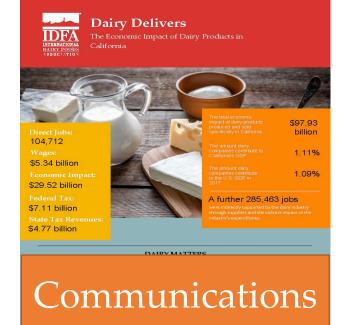




#### Advocacy



Regulatory





## Member Dues Model



### MEMBER DUES MODEL





### **Executive Council Approved New Dues Model**

- Background & Rationale
- Process & Execution
- Timing & Next Steps

### Dues Model Background & Rationale

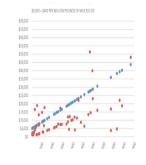


### WHY A NEW DUES MODEL?

- Align with new governance model inclusive of all dairy
- Reconcile 3 separate dues structures that were never designed to be consistent across categories
- Facilitate bringing in members who don't easily fit in a milk, ice cream or cheese bucket
- Over the years, inconsistencies developed
- Need to stabilize and secure funding for IDFA to ensure continuation of programs and activities members value

### **Dues Model Pillars of Success**





#### Fair and Equitable

7 8 9 X %

DAIRY FOODS



Simple

Sustainable Revenue for Future IDFA

### IDFA Member Model Timeline

# PHASE 1 Pilot & Exploration

Nov. 17' - January '18

IDFA Staff developed draft evaluation and framework for governance and membership model

#### January '18

 Convened 12 Board Member Working Group
 Partnered with The Moery Company

#### Jan. – Mar. '18

- Moery Member Interview/Evaluation Process
- Budget & Finance Presentation
- Support/Approval to proceed with project

#### May Board Meetings '18

- Moery Presentation of Model Recommendations
- Board Vote to Move to Phase 2 of Dues and Governance Work



### IDFA Member Model Timeline

# PHASE 2 Refined Model

#### May '18

Partnered with Dr.
 Andrew Novakovic

- Evaluated factors for dues model options **Feedback Sessions** (June '18 – Sept. '18)

- 3 Board Input & Listening Sessions

- 3 Webinars

- Over 80 1:1 calls with members Fall Board Meetings Oct. '18

- Consensus reached on Governance Structure
- Refinement of dues model



**DAIRY FOODS** 

ASSOCIATION

- Finalized Dues Model

- Reviewed Structure with all executive council members

-March 25: Executive Council Approval

### Partnered with Association/Industry Experts



J.P. Moery – The Moery Company

- Association Expert
- Ensured work was in line with association best practice
- Guidance on revenue strategies, sponsorship, business partner work

Dr. Andrew Novakovic

- Dairy Economist/Industry Expert
- Evaluated 14 different models with three different metrics
- Analyzed member input and output data to ensure integrity of model

### 3 Metrics Explored: Learnings



Revenue	<ul> <li>Pros: Universal Metric</li> <li>Cons: Can be misleading w/Commodity and Market Fluctuation, Collection of sensitive revenue data could be a challenge</li> </ul>
Milk Solids Input	<ul> <li>Pros: Universal metric across all segments, Positive indicator of size of business/operation and therefore dues.</li> <li>Cons: Model yielded significant swings in dues, data collection a challenge</li> </ul>
Outputs, Simplified	<ul> <li>Pros: Familiar data reporting, opportunity to account for new products/segments, one factor per category, more stable than milk inputs</li> <li>Cons: Not one singular metric across all segments/products</li> </ul>

### NEW IDFA Model – Outputs, Simplified.

# One dues rate per product category

# Eliminated all break rates

### **Raised Minimums**

DAIRY FOODS

All members see share of dues increase – no dues go down

Equitable share of dues by segment in association Proportional contribution % to the size of each industry segment

### NEW Model Dues Rates

Product Categories	New Dues Rates & Calculation
Milk, Cream & Other Fluid Products (in quarts)	\$70.00 per million quarts (quarts x .000070)
Yogurt, Cultured Products & Other Refrigerated Products (in pounds)	\$75.00 per million pounds (pounds x .000075)
Ice Cream & Frozen Desserts (in gallons)	\$140.00 per hundred thousand gallons (gallons x .00140)
Cheese (in pounds)	\$160.00 per million pounds (pounds x .000160)
Secondary Ingredients (in \$ sales)	\$33.00 per million dollars in sales (\$sales x .000033)
Dairy-derived Ingredients/Finished Products with Dairy Ingredients (in \$ sales)	\$100.00 per million dollars in sales (\$sales x .000100)
Butter (in pounds)	\$33.00 per million pounds (pounds x .000033)



### NEW Gold/Business Partner Schedules



#### **Business Partner**

Annual Gross Sales to the Dairy Processing Industry Annual Membership Dues

- < \$ 5.0 million ..... \$2,500
  - \$ 5.0 8.9 million ...... \$3,000
  - \$ 9.0 14.9 million ...... \$3,500
  - \$15.0 18.9 million ..... \$4,000
- > \$19.0 million ..... \$5,000

#### **Gold Business Partner**

Annual Gross Sales to the Dairy Processing Industry

Annual Membership Dues

- < \$ 9.0 million ..... \$ 5,000
  - \$ 9.0 14.9 million ..... \$ 8,000
  - \$ 15.0 18.9 million..... \$12,500
  - \$ 19.0 24.9 million..... \$16,000
  - \$ 25.0 49.9 million ..... \$18,500
- > \$ 50.0 million..... \$25,000

### **IDFA Member Model Timeline**



## PHASE 3 – Communicate & Execute

#### April 2019

- IDFA to send out communication to full membership

- Send company by company dues projections

- Webinar Series

#### April – May 2019

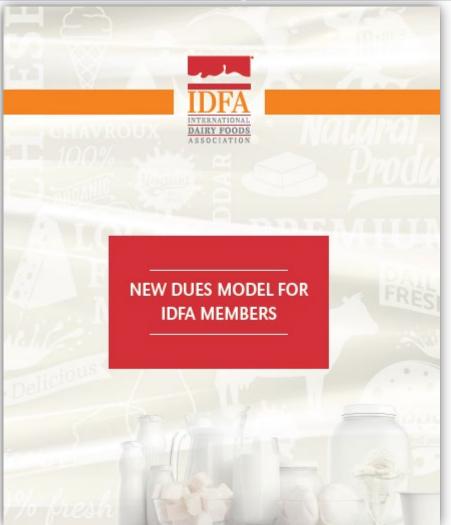
- Collect and Finalize Dues Data from Dues Projection Sheets **May – June 2019** 

- IDFA to send out invoices

- New dues invoices due August 2019

### Membership Packet - DUES





### **New Dues Model Summary**

- Background and Context
- Rationale for Change
- Dues Model Detail and Timeline

### Membership Packet - DUES





#### EXAMPLE

IDFA Member Dues for FY2020 July 1, 2019 – June 30, 2020 Based on Calendar Year 2017 Member Survey Data

> ABC Dairy (Please return survey no later than May 15th)

	CY2017 Data Reported	New Formula for Calculating	FY2020 Dues Amount Based on
Product Category	(New Data to be Added *)	Member Dues	New Dues Rates
Milk, Cream & Other Fluid Products (in quarts)	175,658,420	x \$0.000070	\$12,296
Yogurt, Cultured Products & Other Refrigerated			
Products (in pounds)	154,295,486	x \$0.000075	\$11,572
Ice Cream & Frozen Desserts (in gallons)	5,443,297	x \$0.00140	\$7,621
Cheese (in pounds)	85,443,387	x \$0.000160	\$13,671
Secondary Ingredients (in \$ sales)		x \$0.000033	\$0
Dairy-derived Ingredients/Finished Products with			
Dairy Ingredients (in \$ sales)		x \$0.000100	\$0
Butter (in pounds)		x \$0.000033	\$0
Total FY2020 Proje	cted Dues based on CY2017 data	•	
	Total FY2020 Actual [	Dues with \$25,000 Cap	N/A
	Total FY2019 Dues Paid	\$38,588	

### SAMPLE DUES PROJECTION

- Projected dues based off submitted CY2017 Volumes
- Please review, add any products not previously captured in dues survey: Ingredients, Butter
- Send back to IDFA by May 15

### Membership Packet - DUES



IDFA INTERNATIONAL DAIRY FOODS

INTERNATIONAL DAIRY FOODS ASSOCIATION Dues Rate Schedule and Product Category Definitions

Dues Rate Schedule				
Product Categories	Dues Rates			
Milk, Cream & Other Fluid Products	\$ 70.00 per million quarts			
Yogurt, Cultured Products & Other Refrigerated Products	\$ 75.00 per million pounds			
Ice Cream & Frozen Desserts	\$140.00 per hundred thousand gallons			
Cheese	\$160.00 per million pounds			
Secondary Ingredients	\$ 33.00 per million dollars in sales			
Dairy-derived Ingredients/Finished Products with Dairy	\$100.00 per million dollars in sales			
Ingredients				
Butter	\$ 33.00 per million pounds			

Sales to include volume/sales for all of your operations, including operations purchased or acquired up until the time of reporting, including sales from joint ventures and subsidiaries, and including company brands and private label, whether processed by the company or purchased from others, sold to retailers, home consumers, foodservice establishments (e.g., institutions, hotels, etc.), brokers, dairy and food companies, etc.

#### **Definition of Product Categories**

Milk, Cream & Other Fluid Products (packaged or bulk) to include, but not limited to: All milk, flavored milk and milk drinks, protein shakes, cream, half and half, heavy cream, light cream, aerosol whipped creams, eggnog, yogurt drinks and smoothies, cultured and/or acidified milks, kefir, buttermilk, evaporated milk, condensed milk, sweetened condensed milk, ultrafiltered milk, ice cream & frozen dessert mixes; reduced fat, lowfat, nonfat variations; and all of the nondairy counterparts made in semblance of these products.

Yogurt, Cultured Products & Other Refrigerated Products (packaged or bulk) to include, but not limited to:

Refrigerated yogurt, cottage cheese, sour cream, dips, puddings and other related refrigerated dairy desserts; reduced fat, lowfat, nonfat variations; and all of the nondairy counterparts made in semblance of these products. <u>Note:</u> Yogurt drinks, drinkable cultured products, etc., are included in the "Milk, Cream & Other Fluid Products" category.

Ice Cream & Frozen Desserts (packaged, bulk or novelties) to include, but not limited to: Ice cream; frozen yogurt, gelato, sorbet, sherbet, water ice, frozen custard, quiescently frozen confections, frozen puddings, frozen smoothies, soft serve (frozen); reduced fat, light, lowfat, nonfat variations; whether or not they contain milkfat and/or milk solids; and all of the nondairy counterparts made in semblance of these products.

**Cheese** (packaged or bulk) to include, but not limited to: All types of cheese, cream cheese, spreads, cheese sauces, cheese products (cheese powders, blends); reduced fat, light, lowfat, nonfat variations; and all of the nondairy counterparts made in semblance of these products.

Dairy-Derived Ingredients: Any wet or dry ingredient, constituent element or component derived from milk, including but not limited to: all types of whey, casein, milk protein concentrate, microfiltered milk, lactose, milkfat (butteroil, plastic

### **Rates and Product Category Glossary**

- New dues rates per/volume, sales
- Definitions of product categories
- To be used for future volume surveys

### Membership Packet – PROSPECTS



ID INTERN DAIRY ASS	FA FOODS	International Dairy Foods Association Top Dairy Company Prospective Members March 2019	
ANE <u>Ma</u> 801 Las ww	INTERNA DAIRY ASSOCI		
ASS Ma P.C Ne ww BAF Ma	□ Nar	International Dairy Foods Association Members Making a Difference for Dairy	
162 Bai ww	Cor	Gold Business Partners       Advanced Process Technologies, Inc.       DSM         Pecan Deluxe Candy Company   Boy	oth #972
<u>Ma</u> 203 Da ww	Nar	AFCO   ZEP   Booth #878     DuPont™ Danisco®   Booth #1211     Pneumatic Scale Angelus   Booth #1       Alchemy Systems     Ecolab     QCS Purchasing LLC       All Star Purchasing     Nalco Water, An Ecolab Company     Quest Industrial, LLC       Atlantium Technologies Ltd.   Booth #1329     Faegre Baker Daniels LLP     R.A Jones       Baker Tilly     Fruitcrown Products Corporation     Rabobank	
BOI Ma 132 Boi ww	Cor	Baumer Ltd.         Booth #859         Herbein + Company, Inc.         Booth #1134         Rice Dairy LLC           Berrian Insurance Group         Hitachi America, Inc.         Serac inc.         Booth #905           BMO Harris Bank         INA Dairy & Food USA         Shell Polymers         Shell Polymers           Bruker Optics   Booth #1114         INTL FCStone Financial, Inc.         Star Kay White, Inc.         T. C. Jacoby & Company, Inc.           Chr. Hansen, Inc.         Booth #1017         Kincannon & Reed Executive Search         T. C. Jacoby & Company, Inc.           CliftonLarson Allen         The McCully Group         Tate & Lyle Custom Ingredients, L.	LC
BYF Ma 24( Syr	Nar Cor	CME Group     Metter-Toled Safeline   Booth #606     Tetra Pak Inc.   Booth #603       Crest Foods Company, Inc.     Miron Construction Co., Inc.   Booth #1078     Trojan Technologies (Aquafine)   Bo       Dairy.com     Mirua America Co. LTD.   Booth #997     Virginia Dare       Blimling and Associates, Inc.     NOLUMA International, LLC     Weidenhammer New Packaging, LL       Delkor Systems, Inc.   Booth #621     Oppenheimer & Co. Inc.     Weidenhammer New Packaging, LL	ooth #1348
CAF	Nar	Business Partners	
Ma	-	3M Food Safety         bioMerieux, Inc.   Booth #1437         Curb-It LLC   Booth #995           ADI Systems, An Evoqua Brand Booth #1218         Blackhawk Molding Co., Inc.   Booth #1122         Custom Fabricating & Repair Inc.	

### Membership Recruitment

- "Cream Of The Top" Prospect Sheet
- Recruitment Campaign Commitment
- Current Membership Listing
- Please fill out and return Commitment
   Sheet IDFA Staff will follow up on
   recruitment effort

### Membership Packet – PFT Booth Visits



### **Board Member Assigned Visits**

ProFood Tecch He Processing Event for Food & Berr MARCH 48-88, 2019 In MCCOMPACE PL COMPACE LIMONE TO COMPACE LIMONE TO	Executiv	ss Partne e Counc	od Tech 2019 er & Business Pa il/Board Member Incil/Board Member L	Visits			
Executive Counci/ Board Member	Company	Booth #	Booth Location	IDFA Member Type	City	State/ Prov.	Country
Gary Aggus	Evergreen Packaging, Inc.	828	General Show Space	Gold Business Partner	Cedar Rapids	IA	
David Ahlem	Miura America Co., Ltd	997	General Show Space	Gold Business Partner	Rockmart	GA	
Troy Ammann	Semi-Bulk Systems, Inc.	1424	The Dairy Pavilion	Business Partner	Fenton	мо	
Brad Anderson	Shield-lt/Curb-lt	995	General Show Space	Business Partner	Plain	wi	
Brian Baker	Excel Engineering Inc	1307	The Dairy Pavilion	Business Partner	Fond Du Lac	wi	
Chad Baker	Summitville Tiles Inc.	1106	The Dairy Pavilion	Business Partner	Minerva	он	
Martin Bates	ESI Group USA	508	General Show Space	Business Partner	Hartland	wi	
Courtney Bidney	bioMerieux Inc.	1437	The Dairy Pavilion	Business Partner	Lombard	IL	

Table Touch for
 Member Exhibitors

### Gold/Business Partner Prospects

**Dairy Supplier** 

Pro Food Techno Techno Handride as anti Indocation e Rud Certoko Lubel UM Newerity Pro Pro Food	ProFood Tech 2019 Dairy Vertical - Nonmember Exhibitors IDFA Partner Prospective Members (sorted by Pavilion and Booth #)						
Company	Booth #	City	State	Country	Notes		
The Dairy Pavilion - sorted by Booth No.							
WAPO CORPORATION	1038	Nantou City	Nantou	Taiwan			
Advanced Process Solutions	1041	Jeffersonville	IN				
Osiopack	1045	Anaheim	CA				
Spokane Industries	1056	Spokane Valley	WA				
The Probst Group	1058	Brookfield	wi				
Weiland, Inc.	1060	Norfolk	NE				
Mokon	1064	Buffalo	NY				
Ibberson	1066	Hopkins	MN				
Spartan Parts	1072	Holland	м				
Loos Machine & Automation	1074	Colby	wi				
Q-Interline A/S	1090	Tollose		Denmark			
Poul Tarp A/S	1094	Randers NO		Denmark			

# Listing of Prospect Exhibitors

## **THANK YOU!**





# **Regulatory Priorities**







## **Regulatory Policy Priorities - 2019**

### **Key Issues**

- FDA Multi-Year Nutrition Innovation Strategy
  - Dairy Standards Modernization
  - Use of the Names of Dairy Foods in the Labeling of Plant-Based Product
- USDA's Bioengineered Food Disclosure Standard
- FDA's Changes to the Nutrition Facts Label
- Define "Natural Cheese"
- Dietary Sodium Reduction
- Child Nutrition Reauthorization
- Dietary Guidelines for Americans 2020-2025
- World Health Organization



## **Regulatory Policy Priorities – 2019 (cont.)**



### Key Issues

- Implementation of FDA's Food Safety Modernization Act
- National Conference on Interstate Milk Shipments
- FDA Listeria Policy Guidance
- EPA Risk Management Program
- Department of Transportation Hours of Service Rules
- Emerging Contaminants
- National Organic Standards Board (NOSB)
- OSHA Tracking of Workplace Injuries and Illness



## Regulatory Committee Restructure



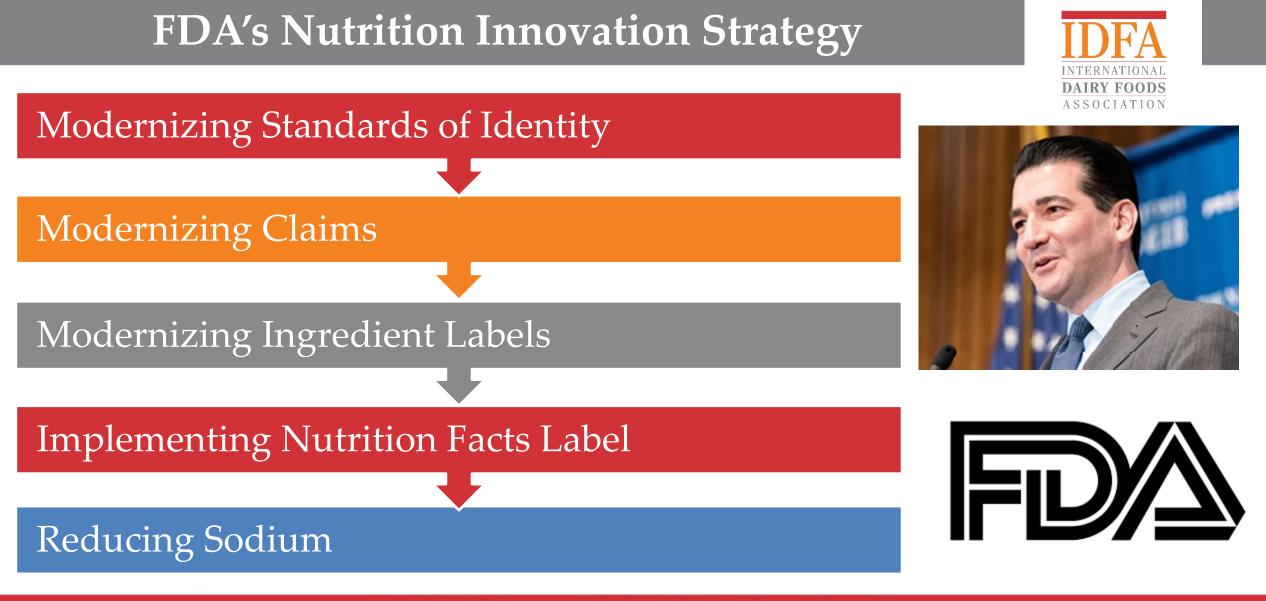
- Reorganize committees, subcommittees and ad hoc task forces based on horizonal approach by issue rather than product category
- Existing milk, ice cream, cheese and yogurt regulatory committees to be replaced by topic specific committees and a new NCIMS subcommittee
- Existing ad hoc task forces will remain and report to the appropriately designated committee





Overview of FDA's Multi-Year Nutrition Innovation Strategy Cary Frye





### **FDA Nutrition Innovation Strategy**

### **IDFA Written Comments**

- Input from IDFA's Regulatory Committees and Standards Modernization Task Force members
- Aligned with previous policy recommendation for CFSAN Regulatory Reform
- Food standards modernization a must
- Hold off on "Healthy" icon
- Support simple ingredient labeling
- Transform Temporary Marketing Permit process
- Push for action on long, pending dairy petitions
  - Completion of yogurt standards (2009)
  - Finalize regulation for the use of UF (2000) and allow MF milk for cheese with labeling of milk







### **FDA Nutrition Innovation Strategy**

- September 28<sup>th</sup> FDA announced its Request for Information on "Use of Name of Dairy Foods in Labeling Plant-Based Products"
- Help FDA determine how to develop guidance for labeling plant-based products
- Seeking information, data, consumer research to determine if labeling using dairy terms "milk," "yogurt," & "cheese" are confusing or misleading to consumers
- Do consumers understand difference between the basic nature, characteristics, ingredients and nutritional content of plant-based products and their dairy counterparts?
- IDFA filed written comments January 28<sup>th</sup> that provided consumer research and specific data on 8 of the 20 questions FDA asked. FDA is analyzing 13,000+ comments!



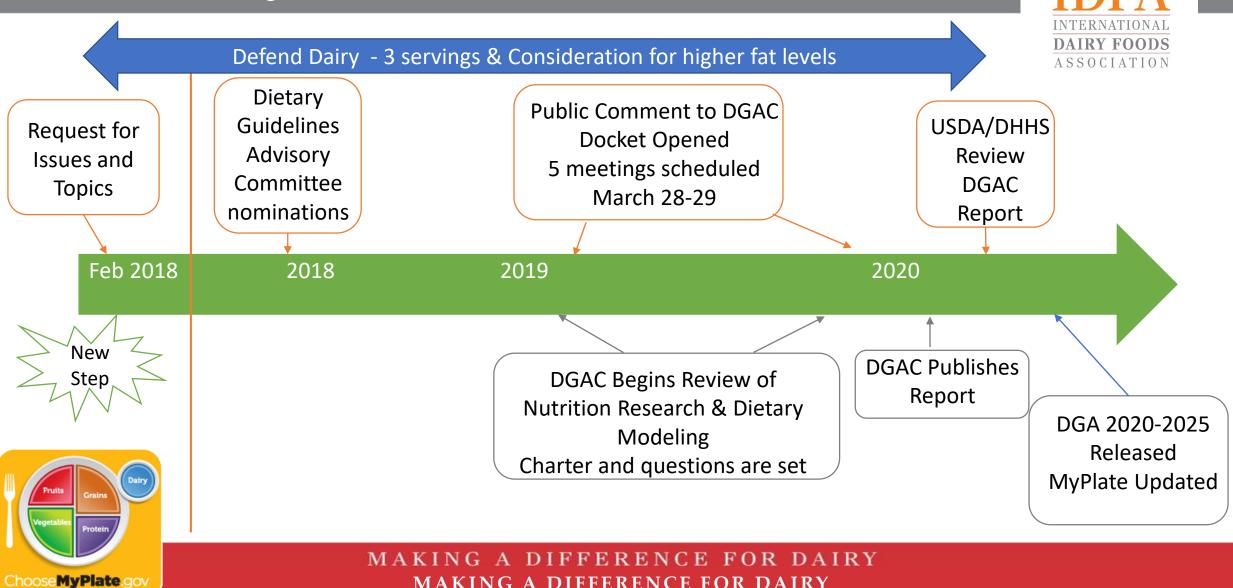




# Dietary Guidelines for Americans 2020 Cary Frye



## **Dietary Guidelines 2020 Process**



## **Dietary Guidelines 2020 Process**





#### THIS IS A MULTI-STEP PROCESS

### **Advisory Committee Selection**

- USDA/HHS post topics and questions, which shape expertise needed on the 2020 Dietary Guidelines Advisory Committee
- USDA/HHS solicit nominations for the Committee from the public for 30 days
- USDA/HHS select Committee membership based on educational background, professional experience, demonstrated expertise, obligations under the Federal Advisory Committee Act, and requirements for a balanced membership
- Secretaries of USDA/HHS jointly agree on individuals appointed to serve on the Committee



Advisory Committee Review of Scientific Evidence



USDA/HHS Develop the Dietary Guidelines



Topic and Question Identification

THIS IS COMPLETED

The 2020-2025 Dietary Guidelines for Americans development process is under way. Updating the Dietary Guidelines for Americans is a multi-step, multi-year process.

## **Dietary Guidelines 2020 Advisory Committee**



Jamy Ard, MD – Wake Forest School of Medicine Regan Bailey, PhD, MPH, RD – Purdue University Ludia Bazzano, MD, PhD, Tulana University and

Lydia Bazzano, MD, PhD – Tulane University and Ochsner Health System

Carol Boushey, PhD, MPH, RD – University of Hawaii

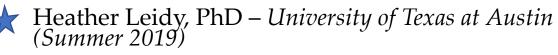
Teresa Davis, PhD – Baylor College of Medicine

Kathryn Dewey, PhD – *University of California, Davis* 

Sharon Donovan, PhD, RD – University of Illinois, Urbana

Steven Heymsfield, MD – Louisiana State University, Pennington Biomedical Research Center

Ronald Kleinman, MD – Massachusetts General Hospital, Harvard Medical School



Richard Mattes, PhD, MPH, RD – Purdue University

Elizabeth Mayer-Davis, PhD, RD – *University of North Carolina at Chapel Hill* 

Timothy Naimi, MD, MPH – Boston University

Rachel Novotny, PhD, RDN, LD – *University of Hawaii* 

Joan Sabaté, DrPH, MD – Loma Linda University

Barbara Schneeman, PhD – *University of California*, *Davis* 

Linda Snetselaar, PhD, RD – University of Iowa

Jamie Stang, PhD – University of Minnesota

Elsie Taveras, MD, MPH – Massachusetts General Hospital, Harvard Medical School, and Harvard Chan School of Public Health

Linda Van Horn, PhD, RDN, LD – Northwestern University





Preparation for 2019 National Conference on Interstate Milk Shipments John Allan



## **2019 NCIMS Preparation**

- 2019 NCIMS:
  - April 26-May 1, 2019
  - St. Louis, MO
  - Hyatt Regency at the Arch
- 75 proposed changes to the PMO
  - Shared with committees on Mar. 7
- IDFA Proposal Review Meeting:
  - March 27-28 (afternoon/morning)
  - Chicago, McCormick Place (in conjunction with ProFood Tech)



Grade "A"

Pasteurized

 $\mathbf{M}$ ilk

Ordinance

## **2019 NCIMS Preparation**



## Appendix N – Vet Drug Residues

- Residue Testing Expansion Pilot:
  - NCIMS Exec. Board approved suspension of Tetracycline testing after 18 months (Dec. 31, '18)
  - Appx N Committee will review results and make recommendations



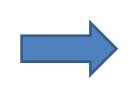
# FSMA Implementation & Inspections John Allan



## FDA Food Safety Leadership Changes





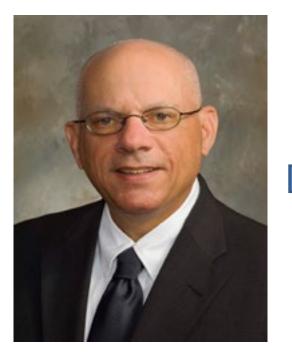




Scott Gottlieb FDA Commissioner Ned Sharpless Acting FDA Commissioner

## FDA Food Safety Leadership Changes







Stephen Ostroff Deputy Commissioner for Foods and Veterinary Medicine Frank Yiannas Deputy Commissioner for Food Policy and Response



### Preventive Controls Rule/PMO Appendix T compliance date for Grade "A" products -- September 17, 2018

PMO Appendix T inspections underway now

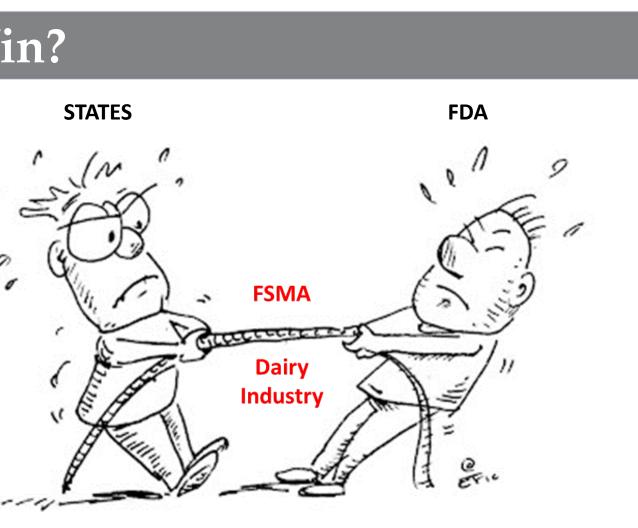
## Who Will Inspect? When? Against What?



- IDFA requested consolidation of inspections of "dual-grade" plants (1 inspection)
- FDA proposed and test ran a pilot
- Stakeholder meeting held in December
- FDA revised proposal is pending
- NCIMS Liaison Committee proposal and Executive Board letter
  - Encourages single inspection
  - Proposes MSs conduct "Appendix T" inspection for non-Grade "A" dairy products in these dual-grade plants
- IDFA position: Long-term single inspection by MSs; Short-term two separate inspections

## Who Will Win?

0



Milk Specialists

**Consumer Safety Officers** 

INTERNATIONAL DAIRY FOODS

ASSOCIATION

## Intentional Adulteration (Food Defense) Rule July 26, 2019



Mitigation Strategies to Protect Food Against Intentional Adulteration: Guidance for Industry

#### **Revised Draft Guidance**

This guidance is being distributed for comment purposes only.

Although you can comment on any guidance at any time (see 21 CFR 10.115(g)(5)), to ensure that FDA considers your comment on this draft guidance before we begin work on the final version of the guidance, submit either electronic or written comments on the draft guidance within 120 days of publication in the *Federal Register* of the notice announcing the availability of the draft guidance. Submit electronic comments to <u>https://www.regulations.gov</u>. Submit written comments to the Dockets Management Staff (HFA-305), Food and Drug Administration, 5630 Fishers Lane, m. 1061, Rockville, MD 20852. All comments should be identified with the docket number FDA-2018-D-1398 listed in the notice of availability that publishes in the *Federal Register*.

For questions regarding this draft document contact the Center for Food Safety and Applied Nutrition (CFSAN) at 240-402-3712.

U.S. Department of Health and Human Services Food and Drug Administration Center for Food Safety and Applied Nutrition

March 2019





## IDFA's request in Flexibility in guidance and enforcement

## Initial comments from IDFA members on 2<sup>nd</sup> release due March 29

(Comments due to FDA by July 5)



# National Bioengineered Food Disclosure Standard Danielle Quist DAIRY FOODS

ASSOCIATION

## National, Uniform Disclosure Standard

Broadly applies to any food, ingredient or component intended for human consumption that requires labeling under the FDCA – raw ag products, processed or prepared and multi-ingredient items, dietary supplements, processing aids, food additives, bulk foods and enzymes.

- Defines "bioengineered" foods and ingredients
- Preempts state and local BE food labeling standards
- Establishes criteria for mandatory and voluntary disclosure of BE foods and ingredients
- Provides several disclosure options: on-package text, symbol, electronic link/QR code + phone and text message
- Exempts very small manufacturers, restaurants and similar food service establishments
- Describes general recordkeeping requirements and enforcement procedures
- Sets a mandatory compliance date of *January 1, 2022*

## USDA List of BE Foods & Common Dairy Ingredients



Alfalfa, Apple (Arctic<sup>TM</sup> varieties), **Canola**, **Corn**, **Cotton**, Eggplant (BARI Bt Begun varieties), **Papaya** (ringspot virus-resistant varieties), **Pineapple** (pink flesh), **Potato**, Salmon (AquAdvantage®), **Soybean**, Squash (summer) and **Sugar Beet** 

Сгор	Examples of food ingredients
Soybeans	Soybean oil, partially hydrogenated soybean oil, modified soybean oil (e.g., high-oleic), soy protein, textured vegetable protein, tofu, soy lecithin
Corn	Corn meal, corn flour, corn oil, corn starch, modified food starch, dextrose, corn syrup, high-fructose corn syrup
Cotton	Cottonseed oil, partially hydrogenated cottonseed oil
Sugar Beets	Sugar
Canola	Canola oil





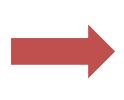
## What Does "Bioengineered" Mean?

Foods with <u>detectable</u> amounts of genetic material modified through <u>in vitro rDNA</u> <u>technology</u>. This means:

- Many highly refined ingredients derived from BE List crops lack detectable modified genetic material – NO MANDATORY DISCLOSURE
- Many dairy products use BE enzymes, yeasts and food additives lacking detectable modified genetic material in final food – NO MANDATORY DISCLOSURE



➤ "GMO" "genetically engineered" not defined or used in the BE rule



Animal products (milk, meat & eggs) from animals are not BE solely because the animals consumed feed containing BE substances



## Exemptions to Mandatory Disclosure Label

Key Exemptions from *Mandatory* Disclosure

1) USDA Certified Organic 2) Incidental additives derived from BE, if they are exempt from labeling under FDCA 3) Foods with the unintentional and inadvertent presence

of detectable modified genetic material below threshold of 5% in any individual ingredient

NO VOLUNTARY DISCLOSURE









### Recordkeeping is Key to Compliance

- Records from suppliers verifying that ingredient not sourced from a BE crop;
   Records from suppliers verifying ingredient was subject to a refinement process "validated" to render modified genetic material undetectable; or
   Certificates of analysis or testing records confirming the absence of modified genetic material
  - >Your suppliers know their products
  - >No specific testing method required
  - Absent adequate recordkeeping, USDA will presume that a food or ingredient on the BE Food List or known to be bioengineered requires disclosure

## What Will BE Disclosure Look Like?





### Text

### "bioengineered food" (raw food or all BE food) or "contains bioengineered food ingredient" (multi-ingredient)



### Digital Link/QR Code

"Scan anywhere on package for more food information" or "Scan icon for more food information." Plus "Call [1-000-000-0000] for more food information"

## What Will BE Disclosure Look Like?



## Text Message

"Text [command word] to [number] for bioengineered food information"





Shortened text available for small manufacturers and small/very small packages

## Limited Voluntary Disclosure

Foods and ingredients derived from BE Food List, but lack modified rDNA – highly refined foods

No voluntary disclosure for exemptions:

- Incidental additives
- Below 5% threshold for adventitious presence
- USDA organic certified
- Animal products from animals that merely consumed BE feed

"<u>derived</u> from bioengineering" "Ingredients <u>derived</u> from a bioengineered source"

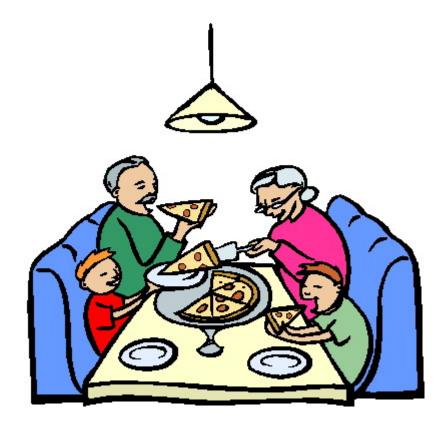




## Voluntary Disclosure – Exempt Entities

## **Labeling BE Foods for Retail Sale:**

- May voluntarily disclose foods on BE Food List that would otherwise require mandatory disclosure (or may be provided in a voluntary disclosure)
- Form of disclosure must comply with requirements for disclosure options, including small manufacturers and small/very small packages



#### MAKING A DIFFERENCE FOR DAIRY

# BE Rule & Absence Claims

Labels must comply with BE rule and FDA misbranding rules (truthful and not misleading)

- BE rule does not define "Non-GMO" nor address absence claims
   > USDA Certified Organic may bear a "non-GMO" claim
   > Foods that do not require a mandatory disclosure are not
  - automatically "Non-GMO" BE rule standards and terminology not the same as 3<sup>rd</sup> party y
- BE rule standards and terminology not the same as 3<sup>rd</sup> party verification programs
  - 3<sup>rd</sup> party verification records may support decisions not to disclose, to the extent the records align with the BE rule







# Audits and Enforcement



- No private right of action against a manufacturer complaints filed with USDA
  - States free to adopt BE standards and impose fines and injunctive relief for violations
- USDA may investigate complaints, request records and audit
- Company may request hearing and provide supporting documentation
- USDA concludes investigation by publishing public summary of investigation final results, subject to judicial review
- No AMS recall authority

# What Does this Mean For Dairy?

KING A DIFFERENCE FOR

- January 1, 2022 deadline will be here fast
- Labeling decisions must be supported by records
- Customers already asking for BE info
- Communicate with your suppliers
- Many dairy foods will not require a BE label



# Polyfluoroalkyl Substances (PFAS) Danielle Quist





Photo by Don J. Usner/Searchlight New Mexico

The Guardian "This has poisoned everything – pollution casts shadow over New Mexico's booming dairy industry" *Amy Linn, Searchlight New Mexico,* 20 Feb 2019

"Pollution from Cannon air force base has gone unreported for decades. Now it's threatening the US food supply"



Picture taken March 11, 2019. REUTERS/Brian Snyder

ENVIRONMENT - REUTERS MARCH 19, 2019 "The curious case of tainted milk from a Maine dairy farm"

Richard Valdmanis, Joshua Schneyer



# What Are PFAS?

- What are they?
  - PFAS: over 3500 chemical combinations (8 & 6 carbons)
  - PFOA (perfluorooctanoic acid)
  - PFOS (perfluorooctane sulfonate)
- What do they do?
  - Oil, grease, water, stain and heat resistant; industrial and consumer products and fire-fighting foams; food contact materials
  - Dissolves easily in water and found anywhere and everywhere: military bases, airports, PFAS manufactures and users, landfills, sewage sludge
- Risks?
  - Persistent, bioaccumulates studies show risks for cancer and other serious medical conditions with long term exposure





Teflon



# What are the Regulators Doing?



- States
- EPA
- FDA
- DOD
- Congress



THED STATES OF







# Next Steps



- Government agencies focusing on drinking water
- With more testing, more dairies with high levels of PFAS
- IDFA request for in-person FDA meeting getting answers
- Reinforcing safety of milk supply
- Monitoring Congress, state and federal regulatory agencies, courts and press



# Break





# Legislative Priorities







## IDFA LEGISLATIVE TEAM



## **2019 Legislative Policy Priorities Chart**



#### Confidential IDFA Legislative Policy Priorities 116<sup>th</sup> Congress March 2019

#### PRIORITY RANKING BY SEGMENT BOARD

A = High priority B = Moderate priority C = Lower priority

Issue Area	Status	Goals	Specific Actions	Priority
				MC ICYI
IMPLEMENTATION OF	The 2018 farm bill (the Agriculture	Implement farm bill	Pursuant to a final rule issued	A A A A A
THE 2018 FARM BILL	Improvement Act of 2018) was signed into	provisions that would	on March 1, 2019, the Dairy	
	law on December 20, 2018.	extend the current	Forward Pricing Program has	
		Dairy Forward Pricing	been reinstated and will	
	USDA is currently working to implement the	Program for Classes	remain in effect until	
	law. Deputy Secretary Censky is leading this	II, III & IV;	September 30, 2023.	
	effort, which includes officials from the			
	Office of the Secretary, the Office of Budget	Change the Class I	Similarly, a final rule	
	and Program Analysis, the Office of General	mover from the higher	implementing the Class I	
	Counsel and each of USDA's mission areas.	of Class III & IV to	mover change was issued on	
	The Office of Management and Budget	the simple average of	March 11, 2019. The mover	
	(OMB) will also review major regulatory	Class III & IV, with a	change effective date will be	
	changes required in the legislation.	\$0.74 adjustor;	May 1, 2019 - the effective	
			date specified in the statute.	
		Create a milk purchase	This will provide all market	
		incentive program in	participants with time to	
		SNAP; and	adjust their formula	
			calculations before the mover	
		Improve risk	changes go into effect.	
		management tools		
		available to dairy	IDFA is working with staff in	
		producers (the new	the Food, Nutrition and	
		Dairy Margin	Consumer Services mission	
		Coverage Program)	area to stand up the new	
			SNAP milk incentive	
			program.	

#### MAKING A DIFFERENCE FOR DAIRY

INTERNATIONAL DAIRY FOODS ASSOCIATION

## Legislative Committee Restructure



- Reorganize committees and ad hoc task forces based on horizonal approach by issue rather than product category
- MIF/IICA and NCI Economic Policy committees have been replaced by one economic policy committee



# Farm Bill Implementation Dave Carlin



# Dairy Forward Pricing Program



- Lapsed on September 30, 2018
- Status: Program "restarted" on March 4, 2019



FORWARD



Change the Class I mover from the higher of Class III and Class IV to the simple average of Class III and Class IV plus a \$0.74 adjustor

• Status: Final rule published on March 11. The change will be effective on May 1, 2019



# SNAP Fluid Milk Incentive Pilot

- New Program-will require appropriations in FY2020
- Status: Food and Nutrition Service (FNS) will develop program parameters





# Appropriations Tony Eberhard



# IDFA FY2019 Appropriations Wins



Victories:

- ✓ \$1.5 million for Agricultural Research Service (ARS) ice cream waste solutions.
- ✓ \$2 million increase in funding for FDA's Office of Nutrition and Food Labeling for SOI regulations.

Status: The FY2019 Consolidated Appropriations Act included both IDFA priorities and was signed into law February 15, 2019.

# Ice Cream Appropriations \$1.5 Million

#### <u>House</u>

Rep. Mark Pocan (D-WI) Rep. Dutch Ruppersberger (D-MD)

#### <u>Senate</u>

Senator Jerry Moran (R-KS) Senator Tammy Baldwin (D-WI) Senator John Hoeven (R-ND)



Sen. Tammy Baldwin (D-WI)



Rep. Mark Pocan (D-WI) and Schoep's Ice Cream



Sen. John Hoeven (R-ND)

# FDA Funding \$2 Million



# House2% NutritionRep. Mike Simpson (R-ID-02)Rep. Pete Aguilar (D-CA-31)Senate\$1 BillionSenateFDA Food

Senator Roy Blunt (R-MO) Senator John Hoeven (R-ND) \$1 Billion FDA Food Safety & Nutrition Funding



# FY20 Appropriations



- ✓ Successful February Legislative Fly In
- ✓ Build on last year's success with Ice Cream & FDA Funding



<u>Additional appropriations requests</u>:
1. NEW SNAP Milk Incentive Program
2. GIs Prioritization at USTR
3. Greater U.S. Presence at FAO



# School Milk Tony Eberhard



## 1% Low Fat Flavored Milk Back in Schools





#### Final Rule "Child Nutrition Program Flexibilities for Milk, Whole Grains, and Sodium Requirements"

• Effective February 2019, permanently allows schools to serve 1% low-fat flavored milk.

"USDA is committed to serving meals to kids that are both nutritious and satisfying... we continue to listen to schools... to ensure they can meet the needs of their students based on real-world experience."

- Secretary Perdue

## School Milk Bills Introduced in 116<sup>th</sup> Congress



Representatives Joe Courtney (D-CT) and G. T. Thompson (R-PA) working on bi-partisan legislation to codify the dairy portion of the Final Rule

Representatives Thompson and Representative Collin Peterson (D-MN) introduced the "Whole Milk for Healthy Kids Act of 2019" (H.R. 832)



## House Education & Labor Committee



Bobby Scott (D-VA)



Joe Courtney (D-CT)



Virginia Foxx (R-NC)



G.T. Thompson (R-PA)

INTERNATIONAL DAIRY FOODS ASSOCIATION

"The nutrition standards enacted after the 2010 bipartisan reauthorization are working. Around 99 percent of all schools are meeting the standards. Kids are eating better foods. Studies show that kids are eating up to 16 percent more vegetables and 23 percent more fruit at lunch."

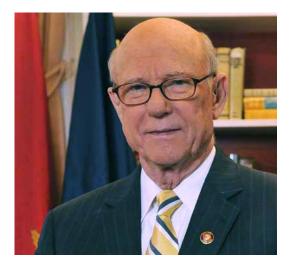
Cong. Bobby Scott (2016)

"Milk is the No. 1 source of nine essential nutrients in the diets of our students, but if they don't drink it these health benefits are lost. Milk consumption has been declining in schools throughout the nation because kids are not consuming the varieties of milk being made available to them."

Cong. G.T. Thompson (2019)

## Senate Agriculture Committee







If we can put politics aside, under this model of regular order, there is a pathway for child nutrition programs to be reauthorized yet this year. Secretary Perdue and the Department of Agriculture have provided the much-needed flexibility to ensure that all of you in this room can make decisions to enable schools to serve nutritious meals that children will find appetizing. That is really what these programs are about: serving meals to hungry children so that they can learn and grow.

### Sen. Pat Roberts (R-KS)



# Trade Update Beth Hughes



## 2019 Trade Priorities



- USMCA passage
- Lifting tariffs 232 & 301
- Free Trade Agreements with Japan, EU, & UK
- WTO Reform



# U.S.-Canada-Mexico Agreement (USMCA) Beth Hughes





# **Trade Promotion Authority**

- Aug. 31 Congress notified of intent to sign agreement
- Sept. 30 Release of text to public
- Nov. 30 Partners sign agreement
- Jan. 29 Report on required changes to U.S. law sent to Congress



Apr. 19 – Int'l Trade Commission report required Summer/Fall – Congressional consideration & implementation



# **Tariffs** Beth Hughes



## Section 232 – Aluminum & Steel

INTE DAI ASS

- 8 months since Mexico & Canada retaliated
- Possible Mexico will overhaul retaliation list; add more dairy?
- Quotas on steel and aluminum imports
- Canadian federal election in October
- Unclear if U.S., Mexico & Canada are discussing a resolution
- USTR worried 232 linked to USMCA passage



# Section 301 – China IP practices & policies

- December 1 freeze tariffs for 90 days
- Several U.S.-China meetings
  - China buys U.S. soybeans
- March 1 deadline delayed "until further notice"
- President Trump & President Xi meeting?
- Progress being made but no details





# Bilateral Trade Agreements Beth Hughes



## U.S.-EU Free Trade Agreement

IDFA INTERNATIONAL DAIRY FOODS ASSOCIATION

- Submitted comments to USTR on Dec. 10
- Agriculture MUST be included
- Increase market access across all dairy tariff lines
- Eliminate tariffs
- Eliminate regulatory burdens
- Strong SPS measures
- Protect the use of common cheese names



### U.S.-Japan Free Trade Agreement

- Submitted comments to USTR on Nov. 26
- Better market access than TPP across all dairy tariff lines
- Eliminate tariffs
- Eliminate ALIC from the administration of any new quotas
- Strong SPS measures
- Protect the use of common cheese names





### U.S.-UK Free Trade Agreement



- Brexit
- Submitted comments to USTR on Jan. 15
- Increase market access across all dairy tariff lines
- Eliminate tariffs
- Strong SPS measures
- Protect the use of common cheese names





# World Trade Organization (WTO) *Beth* Hughes



### WTO Reform



### Function of the WTO:

- monitors member states' trade policies
- provides a forum to negotiate new trade agreements
- arbitrates trade disputes
- U.S. calling for major reforms including:
  - Non-market economy China
  - Transparency subsidy notifications
  - Developing country status China, S. Korea, etc.
  - Appellate Body going beyond mandate



### WTO Reform



- Most pressing issue is the WTO's Appellate Body
  - Oversees trade dispute settlement process
  - U.S. blocking judge appointments as leverage
  - Out of 7 judges, 3 remain
  - 3 judges required to make a determination
  - Terms of 2 judges expiring in December
  - After December, dispute settlement will no longer function
- USTR Robert Lighthizer testified before Senate Finance Comm.
  - Defended U.S. actions but did not call for withdrawal from WTO...yet



# Natural Cheese Dave Carlin



### 115th Congress Report

- Senate passed CURD Act by voice vote in December
- House voted in favor of CURD Act (230-162) but it failed on suspension (2/3<sup>rd</sup> vote requirement) and a revote was not scheduled before adjournment







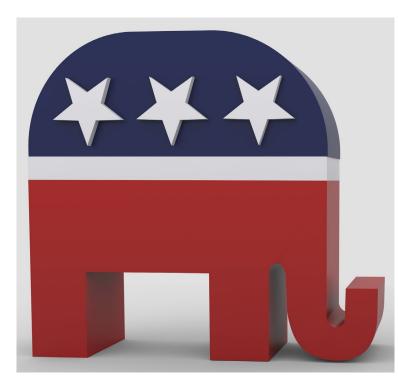




## **Republican** Senate

## **Democratic** House

\**Rep. Frank Pallone chairs Energy & Commerce Committee* 





### Bipartisan Support Remains Strong





Sen. Tammy Baldwin Senator Ron Johnson (D-WI)



(R-WI)

Senator Ron Wyden (D-OR)



**Rep. Billy Long** (R-MO-7)



Rep. Ron Kind (D-WI-3)



**Rep. Kurt Schrader** (D-OR-5)



# IDFA PAC & Grassroots Report Colin Newman





## IDFA PAC & Grassroots Report March 26, 2019 Chicago, IL



### IDFA PAC & Grassroots Report

- IDFA (Political Action Committee) PAC
- Washington Strategic Fly-Ins
- Legislative Fly-Outs
- Congressional Facility Tours

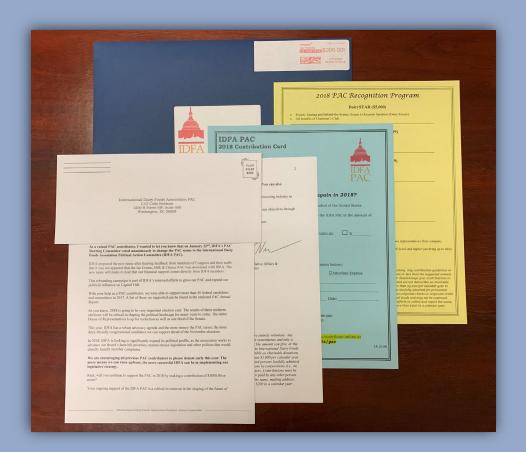


### IDFA Political Action Committee (PAC)

- In the 2018 Election Cycle, IDFA PAC disbursed \$236,000.00. Raised an additional \$139,000.00.
- 2017-2018 Political Footprint \$375,000.00
- In 2019, we plan to disburse \$180,000 to 49 candidates and Host 6 IDFA PAC fundraisers.

### IDFA Political Action Committee (PAC)

- Our PAC fundraising goal for 2019 is \$200,000. We have raised \$30,000.
- New Money To Find **\$170,000**
- Historically 75% of IDFA PAC contributions are collected in April-May
- 2019 PAC Mailing



### IDFA Political Action Committee (PAC)



International Dairy Foods Association PAC Prior Approval Form

#### Why do we need your approval?

Federal election law requires corporate trade associations such as DDFA to obtain the "prior approval" of its corporate members prior to conducting a solicitation on behalf of the trade association's political action committee. Please complete the form below so we can provide you with more information about the DDFA PAC

#### **Company Authorization**

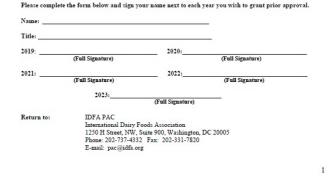
On behalf of \_\_\_\_\_\_, a corporate member of the International Dairy Foods Association, I hereby authorize solicitation by the IDFA PAC as indicated below.

I understand that our company may give this authorization to only one trade association PAC per calendar year. To the best of my knowledge, no such approval has been given to any other trade association PAC for the year(s) indicated below.

I authorize the IDFA PAC to solicit and otherwise communicate about the PAC with:

- The attached list of executives, stockholders and administrative personnel. (IDFA will only contact those designated by your company.)
- Please limit to myself.

IDFA cooperate members may authorize prior approval for multiple years. This option helps to streamline the annual PAC solicitation process. At any time, a company may withdraw its authorization by contacting the IDFA PAC. We will never contact anyone at your company without your approval.



The IDFA PAC is funded 100% by voluntary individual contributions

Unlike IDFA's other advocacy efforts, the PAC can not be funded through the support of corporate accounts or membership dues.

Please sign PAC Prior-Approval

### Grassroots



Washingt on Strategic Fly-I ns



Legislat ive Fly-Out s



Congressional Facility Tours



New Member Meet & Greets



Capit ol Hill Event s

# Looking Forward - 2019

2019 Goals

6 PAC Fundraisers

4 Strategic Fly-Ins

2 Legislative Fly-Outs

6 Congressional Facility Tours

# Looking Forward - 2019

### 2019 Upcoming Events

South Dakota Fly-Out April 24, 2019

June Strategic Fly-In and Capitol Hill Ice Cream Party June 18-19, 2019

> September Strategic Fly-In September 24-25, 2019 (Tentative)

December Strategic Fly-In and Celebration of Dairy December 5-6, 2019

\*Things change frequently in Washingt on. Please not e that this schedule may be modified

### For More Information:



Cont act Colin Newman cnewman@idfa.org



Visit our websit e www.dairycount s.org





### 2 0 18 PAC Annual Report

Congressional Plant Tour Guide



# NextGen Dairy Leadership Program Colin Newman





### NextGen Dairy Leadership Program March 26, 2019 Chicago, IL

# Next Gen Leadership

65% of children now entering primary school will hold jobs that don't currently exist.

By **2050, 2.2** billion people will be added to the global population.

By 2025 online grocery sales will capture 20% of total grocery retail and reach \$100 billion in consumer sales



## Program Goals







Advoca cy

Educat ion

Net working

The program is built around three core development areas

## Next Steps

April – Formal rollout of program

May - Candidate applications due

June – 2019-2020 leadership class selected

August – Washington D.C. advocacy & leadership program

## IDFA NextGen Leadership Program Coming Summer 2019



# **ProFood Tech**







# Welcome

**ProFood** Tech

**THE Processing Event for Food & Beverage** MARCH 26-28, 2019 | CHICAGO, ILLINOIS USA

PACK EXPO



Powered by



### By the Numbers:

414

exhibitors

#### IDFA INTERNATIONAL DAIRY FOODS ASSOCIATION

#### Nearly

106,000 net square feet of exhibit space

Currently at over 3,600 registrants



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA



### **Current Floor Plan**







THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA

Powered by

#### MAKING A DIFFERENCE FOR DAIRY



- PMMI Information Booth
- IDFA Booth

West Concourse

- Koelnmesse Booth
- IMPACT Zone
- My Show Planner Kiosk
- Information Desk
- Opening Reception



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA

Powered by





### **International Sales**

#### **Status**

- 85 international exhibitors from 21 countries outside of NAFTA
- 11,760 net square feet of space
- Largest participating countries are:
  - India: 3,000 square feet
  - Italy: 2,100 square feet
  - Germany: 1,125 square feet
  - Denmark: 700 square feet
  - UK: 700 square feet

## Sample of International Exhibitors

- ALPMA
- Galdi Srl
- Loedige Process Technology
- Sudpack Verpackungen Gmbh
- Synerlink
- TAVIL
- Tecnopool Spa
- Thimonnier



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA





### **International Sales**

IDFA INTERNATIONAL DAIRY FOODS ASSOCIATION

- Four official International Pavilions:
  - China: 4 exhibitors
  - France: 6 exhibitors
  - India: 38 exhibitors
  - Taiwan: 6 exhibitors
- Total share of international exhibitors is 23% compared to 20% in PFT-2017



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA



### **Current Numbers**



**Tracking ahead of 2017: 3,462 registrants** compared to 3,062 registrants 1 week out in 2017.

**New Leads:** We have 2,950 attendees who have registered for PFT 2019 who did not attend the inaugural event.

Senior Job Functions: We have over 340 more CEO/General Manager/Other Senior Management job functions than this period during 2017.

**Decision Makers:** 74.4% of attendees have final decision making or significant influence purchasing authority. We have over 550 more registrants in this important segment than this period last year.

Next Generation of Food Processing Professionals - Over 19% of attendees are under the age of 34.



DAIRY FOODS

THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA



### **ProFood Tech 2019**

Educational Programming: Knowledge Hub

MAKING A DIFFERENCE FOR DAIRY

DAIRY FOODS

### **Educational Programming**



### **IDFA's Knowledge Hub**



IDFA's educational programming for 2019 reflects what we learned from ProFood Tech 2017 attendees and exhibitors:

- Free of charge to all attendees
- Interactive and fast-paced
- Held in three venues located on the show floor



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA



### **Educational Programming**







- Feature breakthrough ideas and formulations that will spark your creativity.
- Use the expertise of our exhibitors to identify solutions to challenges and discover fresh opportunities.
  - Focus on identifying and implementing disruptive technologies to meet consumer demands.



 Foster interactive discussions led by moderators where attendees can learn from each other's experiences, successes and – yes – failures.



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA



### **Educational Programming**







What Industry 4.0 Means for Your Business Tetra Pak

Top Ten Trends for 2019 Innova Market Insights

Adding Retail Operation Efficiency with One-Touch, Retail-Ready Bulk Merchandising Solutions Orbis Corporation

Food Security and the FBI Federal Bureau of Investigation

Path to Operational Excellence for the Dairy Sector Emerson More Than 3D Vision – Continuous Cut Optimization *Letico* 

Inline Tray Forming Reduces Material Costs Up to 38% Harpak-ULMA

Faster and Reliable Quality Results Mean Increased Business Productivity BioMerieux

The Application of Sanitary Design Principles in Food Processing Equipment Deville Technologies Inc.

Cybersecurity & The Industrial Environment: Best Practices to Breach Response *OpX* 



THE Processing Event for Food & Beverage MARCH 26–28, 2019 | CHICAGO, ILLINOIS USA







## Issues Briefing for Members of the IDFA Executive Council & Industry Segment Boards

