

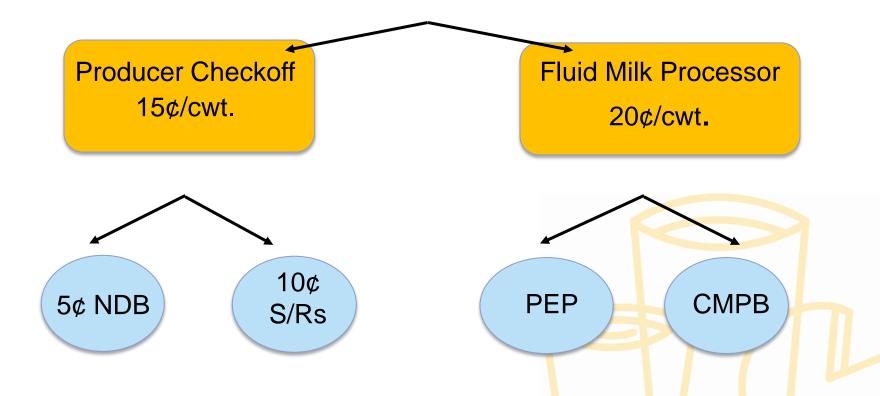
Dairy Marketing Opportunities

Mary Wilcox- Vice President, Business Development mwilcox@midwestdairy.com

Dairy Promotion Funding



Total Dairy Promotion Funding











Dairy Farmer Priorities

Dairy Industry Leadership











Health & Wellness

Globalization

Food Safety

Consumer Confidence

Research & Insights

Sustainability

Dairy Industry Information Pipeline







Many Consumers are Interested in Protein

- 97% of US consumers are aware of protein and its benefits compared to 83% in 2008.
- 55% of U.S. consumers express interest in getting more protein in their diets.²
- Nearly half (45%) of consumers look for foods and beverages with a short list of recognizable, minimally processed ingredients. 3

- 1. HealthFocus, 2012
- 2. IC Protein White Paper
- 3. NMI Aug 2011



Two Groups are Greatly Influencing Food and Beverage Choices



BOOMERS



Age 49-67 26% of population 76 million people

Distinctions:

- Nearly 30% college grads
- Two-thirds are married
- Participated in great social change
- Highly competitive, motivated
- Motivated by healthy aging

MILLENNIALS



Age 18-37 27% of population 81 million people

Distinctions:

- Racially/ethnically diverse
- Fiercely independent
- Receptive to new ideas
- Interested in how food is grown
- Embrace flavor variety, less processed foods



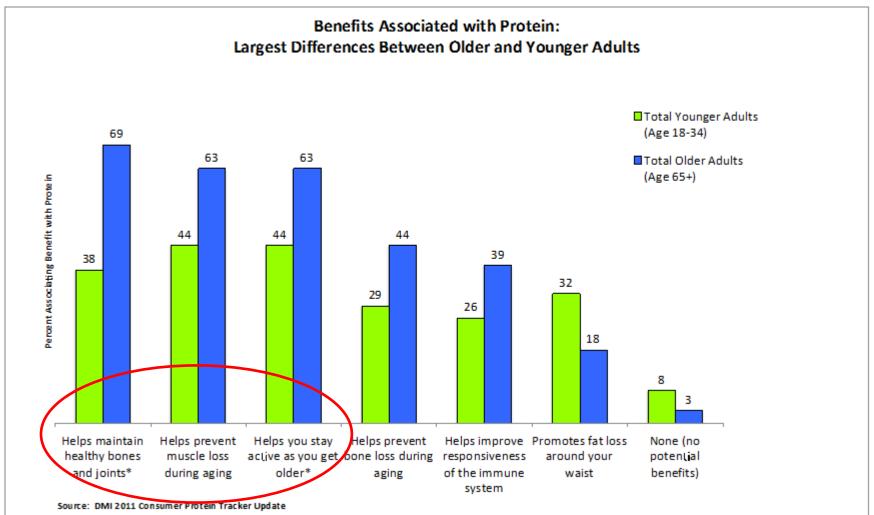
Freedom to Live

Wellness will be defined as quality of life.
Concern for longevity and a heightened
awareness of the long-term impact of our choices
continues to grow and permeate everyday life.
Health is no longer a goal in and of itself, but an
enabler to enjoy a fulfilled life

70% of consumers believe proper nutrition delays the onset of chronic diseases







Millennials Demand More



Balanced and Real Nutrition



Recovery and Restore



Weight Mgmt/ Curb Hunger



Tasty Pick-Me-Up



Refresh



Sustained Energy



Sweet Dreams



Super



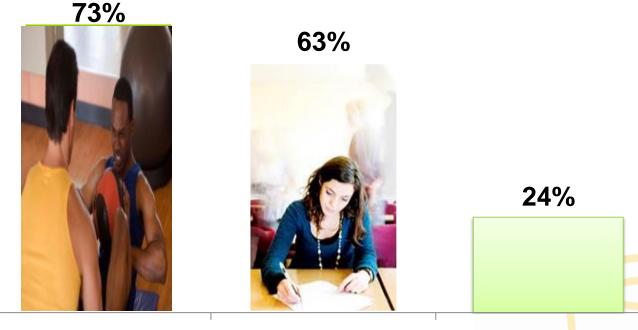






Types of Energy Consumer Are Looking For In Functional Products

(Foods & Beverages; % of Adult Sample)



Physical Energy

Mental Energy

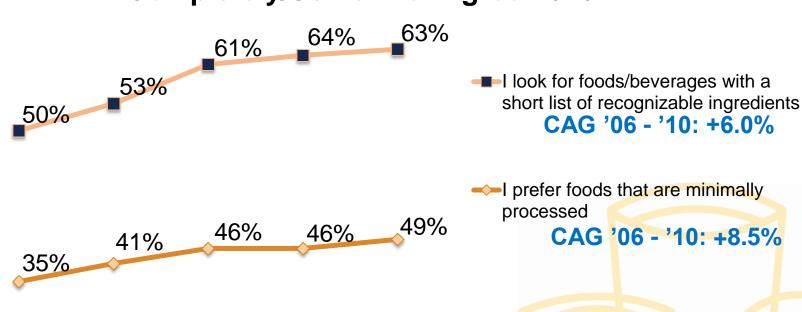
Do not use for energy

Source: The NPD Group/Functional Foods & Beverages Custom Survey; June '12



Clean label = recognizable ingredients Dairy and minimal processing

Completely/Somewhat Agree-2010





Real Food Matters To Both Groups



36% of adults would rather get their nutrients from foods and beverages as opposed to supplements

Natural is a good point of difference

Source: The NPD Group/Functional Foods & Beverages Custom Survey;

June '12

Source: Package Facts dietary supplements us 2010 study





Quality Matters



Dairy and Blood Pressure



Report of the
Dietary Guidelines
Advisory Committee
on the
Dietary Guidelines for
Americans, 2010

2010 Dietary Guideline Committee Report

"Conduct randomized controlled trials to answer the question whether intake of dairy products alters blood pressure"

Result

Hypotensive effects of dairy

Tanaka - Texas (published)

Effect of a higher fat DASH diet plan on blood pressure

Krauss – Oakland Research Institute (completed)

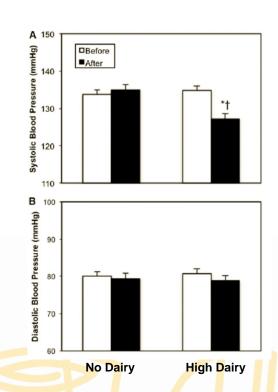
Effects of low-fat dairy intake on blood pressure and vessel function

Macki – Provident Clinical Research (published)

Low-fat milk and blood vessel function

Bruno - Ohio State (published)

Dairy and blood pressure – a fresh look at the evidence Cifelli and Park – DMI (published)



Original Research

Effects of Whey Protein and Resistance Exercise on Body Composition: A Meta-Analysis of Randomized Controlled Trials

Paige E. Miller, PhD, MPH, RD, Dominik D. Alexander, PhD, MSPH, Vanessa Perez, PhD

Exponent Inc., Health Sciences, Chicago, Illinois (P.E.M., V.P.); Exponent Inc., Health Sciences, Boulder, Colorado (D.D.A.)

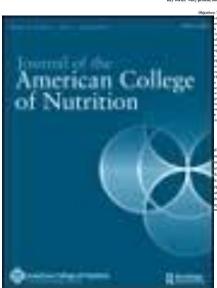
s: The objective of the present meta-analysis was to examine the effect of whey protein (WP), with stance exercise, on body weight and body composition in randomized controlled trials (RCTs)

mentily bothly shift and preparations considered to kinding ReT. The interrigated WP consencent production literature such was conducted to kinding ReT. The interrigated WP consented to the production of th

uten BCTs were inducted, with a unit of 650 shift study configure. Five enaires cannived Fire a five menting with one cannivate der fires on WFHs. Bully spirit, PGGMD—12-1018, internal [ICL = 7.67, -677) and body for (WGMD—3.74 kg, 95° CL -558 -.150) were record from Bordier in the WFH within perspan gayles, In the Peterson ground parties, the verse more fromothe when compaced with carbolydrose than proxime source order than who, order certain details of guidence. Results from the subgroup suppless indiced autstratedly use in LBM (WGMD—224 kg, 95° CL 0.66, 3.81) among stables that included a resistance state study with WFP points.

at The current body of literature supports the use of WP, either as a supplement combined wit rise or as part of a weight loss or weight maintenance diet, to improve body composition parameter

dicates that diet composition afmaintenance [1-3] and may affect une that accompanies weight less sets-analyses of randomized conlatively higher protein and loose lease [2-3]. Furthermore, companporar beneficial for reducing fat an body mass and resting energy ds and notifients are not consumed ny one dietary component should be considered in contra of overall distary patterns, tome influence visual rode groups or often feature, consistents have received valual rode groups or often feature, continued to the received value of the proposal states of the report of the particular function for their potentially function for their potentially function for their potential for the potential for the particular for the potential for groups and fold group [8]. Insertice and body composition have been mixed. These inconsistent findings from RCT containing dairy foods, contain validate levels of their food prospection for their folds of the proposition for components, their consistent gain groups dairy foods contain validate levels of martients as well as the particular folds of the proposition in consistent gain groups are conditioned as of the production as one singular foods contained and groups are continued as of the production as one singular through the production as the production as one singular through the production as the pr



The Effects of Whey Protein on Body Composition: A Meta-Analysis of Randomized Controlled Trials

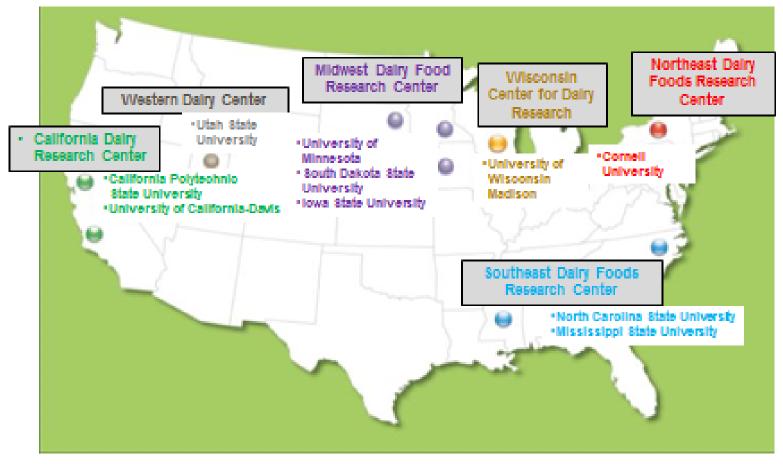
Paige E. Miller, PhD, MPH, RD; Dominick D. Alexander, PhD, MSPH; Vanessa Perez, PhD Exponent Inc., Health Sciences, Chicago, IL, Boulder, CO.

Educational Resources found at www.wheyconsortium.org/meta-analysis



DRI supports the Dairy Center Program with funding for









Developing New Protein Product Concepts to Meet Consumer Needs



Lentil Power Soup



- Over half (55%) of adults say they'd like to consume more protein and this satisfying soup can help meet that goal.¹
- A protein-enriched soup is the most requested proteinenriched food among primary grocery shoppers.²
- Contains dairy protein sources micellar casein concentrate, milk protein concentrate and whey permeate.



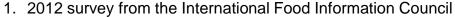
20g (40% Daily Value) protein and 35% Daily Value of calcium per 240ml serving

- 1. Source: NPD Group/NET In-Home Database, Year Ending 2011
- 2. NPD Group, February 2014

Veggie Burst



- This high protein, clean label juice is refreshing after a workout or as a snack.
- A high protein diet promotes both exercise recovery and muscle maintenance with aging.
- Nearly 6 of 10 Americans consider protein content when buying food or beverages.¹
- Juice and vegetable juice drinks comprise nearly 43% of new global drink launches.²
- This excellent protein source contains dairy ingredients whey protein isolate and milk minerals which contribute to the clean label.



^{2.} Innova, Vegetables & Spices Rev Up Juice & Juice Drinks, June 2013



12g (24% Daily Value) protein and 30% Daily Value of calcium per 240 ml serving



Poutine-inspired Cheese Dippers

- This convenient snack can help consumers get important nutrients throughout the day.
- Protein is linked to satiety, overall 97% of U.S. consumers are aware of protein and it's benefits.¹
- The U.S. is a global leader in cheese production with 450% growth since 2000.
- No consistent evidence that higher dairy intake causes cardiovascular disease exists.²



15g protein per 85g serving

 Contains MPC 80, nonfat dry milk, whey permeate, WPC 80, butter and natural cheese.

^{1.} Innova Database. Snacks Revolution. July 2013

^{2.} Dairy Research Institute. Milkfat and Heart Health. 2012.

Online Resources

Website Audience

Food scientists, formulators

Midwest Dairy Association

Dairy and food industry

USDEC members, industry

Entire food industry

Consumers-all

Innovatewithdairy.com

Midwestdairy.com

midwestdairy.umn.edu/Research MDFRC Center Members

Dairyingredientprocessing.com

Usdec.org

Usdairy.com

Nationaldairycouncil.org

