

2018 THE ALMOND CONFERENCE

ALMONDS IN THE GLOBAL MARKETPLACE





Continuing Education Units (CEU's)

What type of CEU's are offered at conference?

- Tuesday Certified Crop Advisor (CCA)
- Wednesday Certified Crop Advisor (CCA)
- Thursday Certified Crop Advisor (CCA) and Department of Pesticide Regulations (DPR)

Where are the CEU sign in sheets?

- CEU sign in sheets will be in the back of each session
- There are separate forms on Thursday for the CCA and DPR credits

Special instructions for Thursday

 PCA's will need to pick up their scantrons in the morning before the first session of the day. They will also need to return the scantron at the end of the day to the CEU booth. This is in addition to signing in and out of each session.

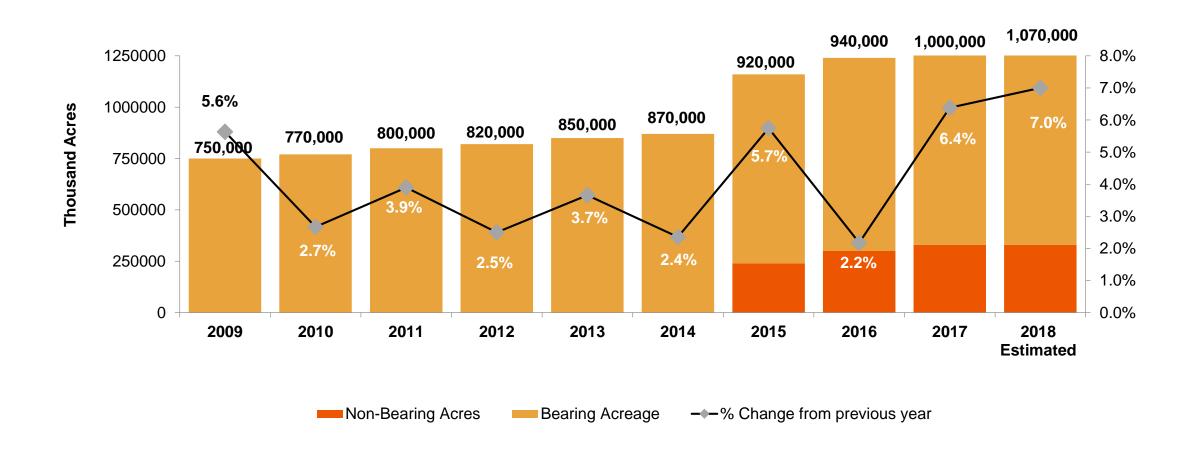


AGENDA

- Emily Fleischmann, Almond Board of California, moderator
- Laurel Muir, Sterling-Rice Group

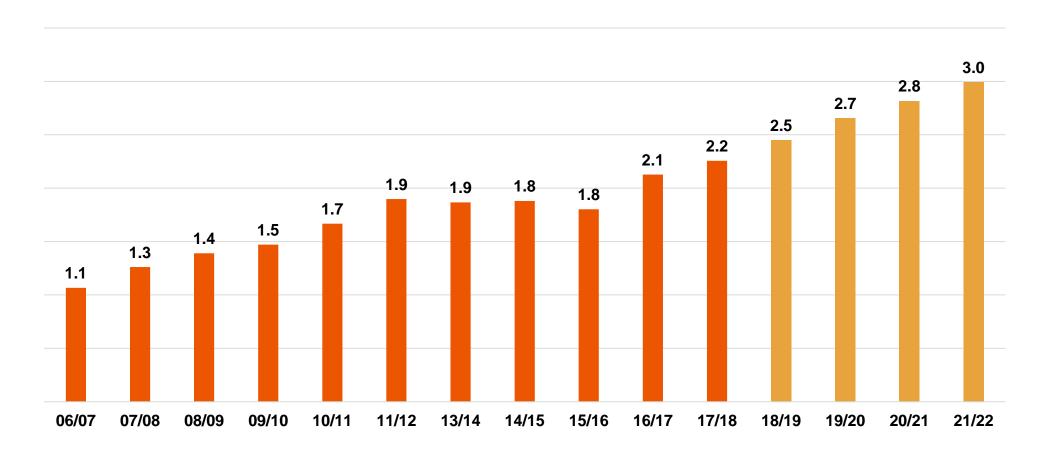


CALIFORNIA ALMOND ACREAGE



CALIFORNIA ALMOND PRODUCTION

FY2006/2007 - FY2021/2022 Actual/Projections (Billion Pounds)





+30%

+700

Million pounds increase in supply CY 17/18 – CY 21/22

ALMOND BOARD MARKETING OBJECTIVES

- Build long-term world-wide demand for California almonds
- Create an environment in which almond perceptions and almond brands thrive
- Run interference and seize opportunities that are best handled at an industry-wide level
- Contribute to the financial well being of the industry

MARKETING APPROACH

- 1. Invest and develop foundational platforms for industry long-term growth
- 2. Disciplined, data-driven strategic approach to market development
- 3. Highly creative, targeted, best-in-class marketing programs

GLOBAL MARKETING OVERVIEW



EXPANSION INTO NEW MARKETS











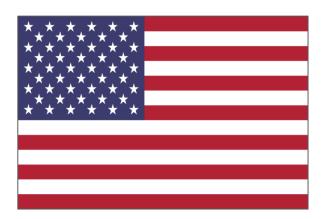




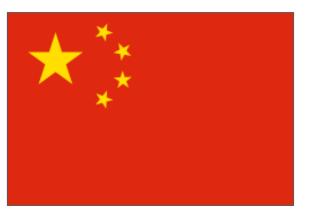
South America

INCREASING CURRENT MARKETS



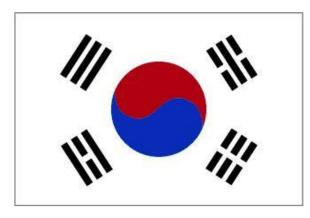






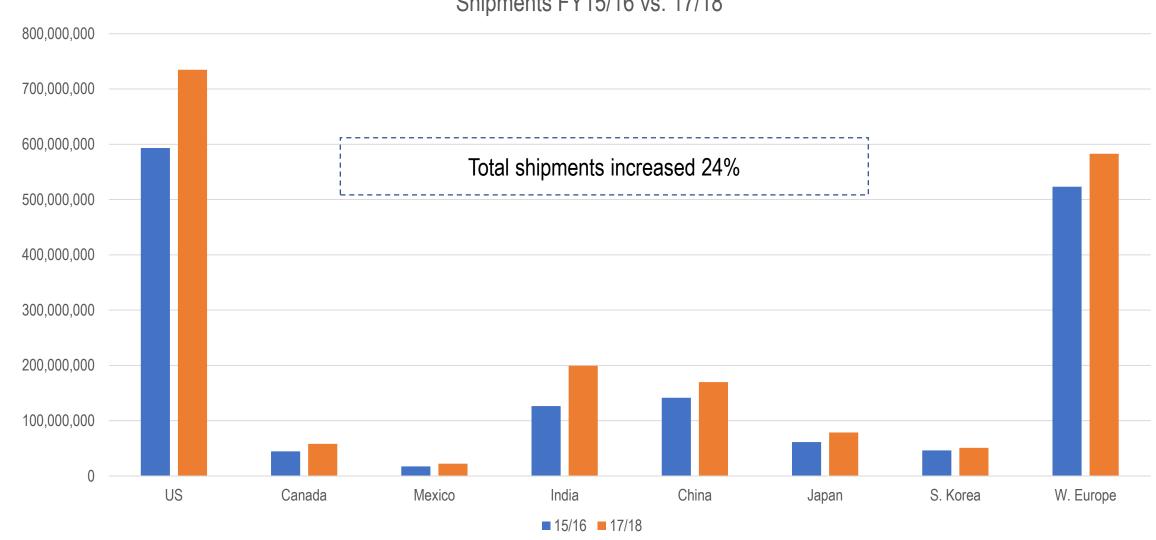






INCREASING SHIPMENTS











#1 BIG FOOD UNDER FIRE

New demands for...
trust and
transparency
food safety
food quality

#2 GRASPING FOR THE FUTURE















#3 Trade Disputes Challenge World Order

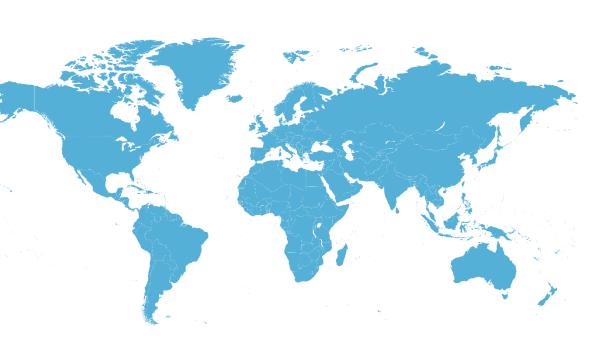
GLOBAL TRADE ISSUES ARE COMPLEX AND VARIED....

 In most markets, almond tariffs have not been excessive....

 Technical and Sanitary/phytosanitary barriers are the real concern, and harder to address.....

 "Rules-Based" and "Scientifically-Supported" do not always rule the day.....

 Political tensions and economics will always play a role.....



#4 ELEVATED DEFINITION OF HEALTH

INGREDIENTS UNDER FIRE

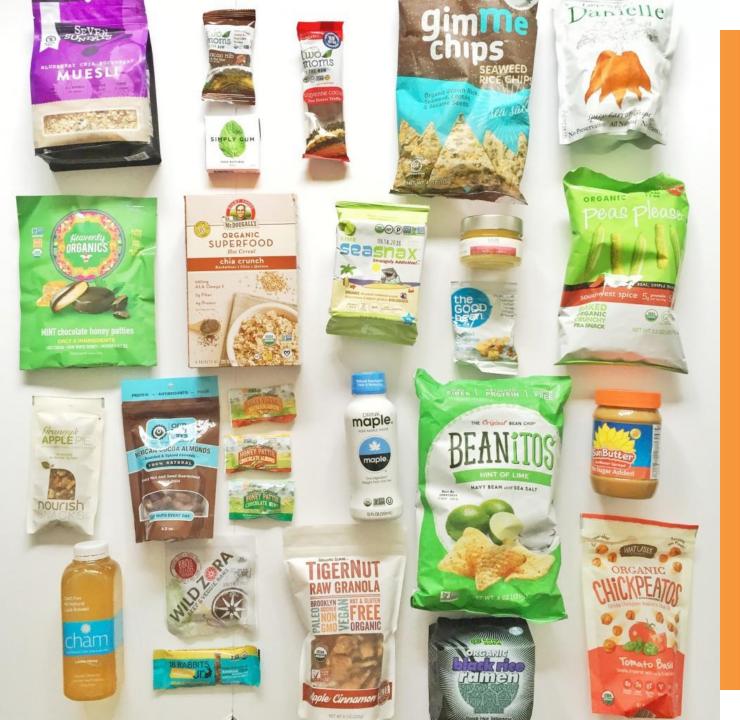
Deboned Chicken, Chicken Meal, Turkey Meal, Potatoes, Peas, Tomato Pomace, Dried Ground Potatoes,

Ground Yellow Corn, Chicken By-Product Meal, Corn Gluten Meal, Whole Wheat Flour, Animal Fat Losen with Mixed-Tocopherols (form of Vitamin E), Rice Flour, Chicken, Soy Flour, Water, Propylene Glycol, Tricalcium Phosphate, Salt, Phosphoric Acid, Animal Digest, Calcium Phosphate, Potassium Chloroda Acid (a Preservative), Dried Carrots, Dried Tomatoes, Avocado, Calcium Propionate (a Preservative) Chloride, L-Lysine Monohydrochloride, Added Color (Yellow 5, Red, 40, Blue 2, Yellow 6), Vitamin E









#5
The playing field is changing



Tear Here to Open

Resealable Package



PREMIUM QUALITY

PEA PROTEIN

POWDER

UNSWEETENED UNFLAVORED

- · Great for shakes and smoothies ·
- 21g protein per serving Rich in iron
 - · Single ingredient · Vegan ·
 - · Mild flavor · Gluten free ·

NET WT 16 OZ (1 LB) 453g









592 MILLION

Diabetes is expected to affect 592 million adults by 2035



1.1 BILLION

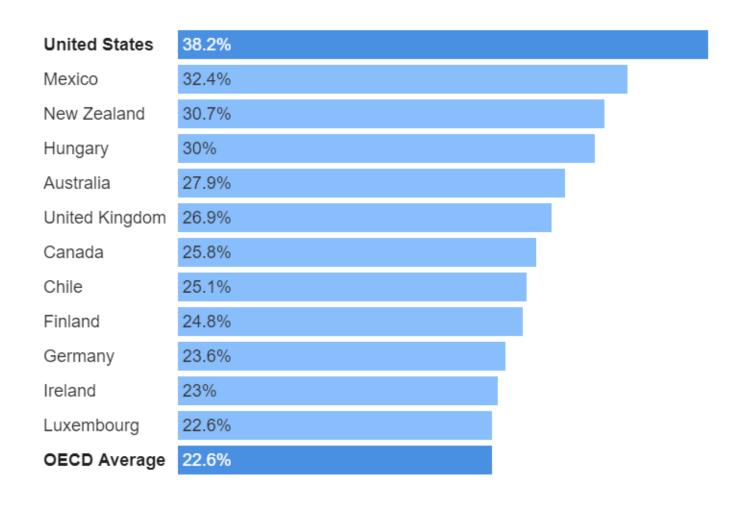
1.1 billion adults have high blood pressure.Less than 1 in 5 have it under control.



31% OF DEATHS

17.9 million people die every year from cardiovascular disease. 31% of global deaths.

ONE-FIFTH OF THE WORLD IS OBESE



LOOKING TOWARD NEW SOLUTIONS







Food As Medicine: It's Not Just A Fringe Idea Anymore

January 17, 2017 · 10:08 AM ET

DAVID GORN



GYM MEMBERSHIPS NEW STATUS SYMBOL IN INDIA AND CHINA



LUXURY IN CHINA

What's China's new luxury status symbol? A curvy butt

Memberships of high-end gyms – and social-media posts of toned people breaking a sweat – soar as fitness seen as aspirational must-do activity

BY THE LUXURY CONVERSATION

10 MAY 2018

B 7 SHORES















MAKING THE LIST













FILL UP!

The 43 Best Foods for Fiber

It helps fill you up, can clean you out, and makes achieving your weight loss goals a whole lot easier—we're talking about foods with fiber.

THE EDITORS OF EAT THIS, NOT THAT!

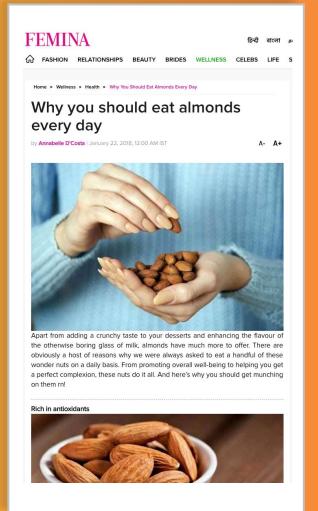


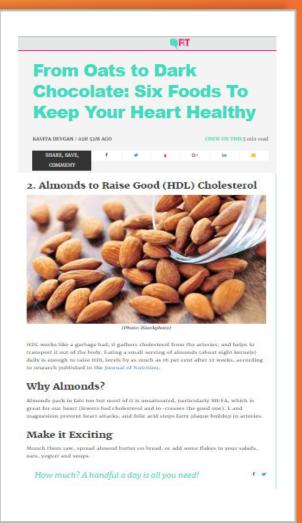


20 Delicious High-Protein Foods to Eat



India





health

अपडेट

स्वस्थ रहने के लिए डाइट में शामिल करें





सोया पोडक्टलें : डाइट में सोया पोड़क्ट को शामिल करने से भी आप फिट रहेंगे। सोयाबीन प्रोटीन. आयरन और विटामिन बी का एक बेहतरीन स्रोत है। एक कप सोयाबीन के सेवन से आपको 29 ग्राम प्रोटीन और 9 ग्राम आयरन मिलता है। इसके लिए सोया मिल्क और टोफू अच्छे विकल्प हो सकते हैं।

तलसी और कालीमिर्च : फिट रहने के लिए प्रतिदिन सबह तलसी के 10 पत्ते और 5 काली मिर्च चबानी चाहिए। इससे सर्दी-जुकाम, अस्थाम सांस की बीमारियों से छटकारा मिलता है। इतना ही नहीं. तुलसी-कालीमिर्च के सेवन से दिल की बीमारियों की आशंका भी कम हो जाती है। इसलिए इन दोनों का भी सेवन करें।

हरी सब्जियां खाएं : हरी साग-संब्जियां सेहत के लिए बहुत फायदेमंद होती है लेकिन पालक का सेवन करना सबसे ज्यादा जरूरी है। एक कप पालक में पांच ग्राम प्रोटीन, 6 ग्राम आयरन, विटामिन बी. कैल्शियम और 41 कैलोरी व कई सारे मिनरल्स पाए जाते हैं। महिलाओं को भी विशेषतीर पर पालक का सेवन करना चाहिए।

लहसुन : लहसुन प्राकृतिक एंटीबायोटिक है। रोज सुबह खाली पेट लहसुन खाने से कई रोगों की रोकथाम होती है। लहसून की 2 कली रात के समय भोजन के साथ लेने पर यूरिक एसिड, हार्ट डिजीज जोड़ों का दर्द और कैंसर का रिस्क कम होता है।

बादाम : बादाम न केवल प्रोटीन और फाइबर के ही स्रोत होते हैं, बल्कि इनमें खब सारा कैल्शियम, एंटी-ऑक्सीडेंट और विटामिन ई भी होता है। इसे खाने से दांत और हडिडयों को ताकत मिलती है। इतना ही नहीं, फाइबर होने की वजह से यह हार्ट के लिए भी अच्छे माने



NATION MORED STATES CITIES BUSINESS SPORT DITERTAINMENT GALLERIES
ERPLAINTES

Cut down your sugar levels with these superfoods

Resping a check on your blood sugar and preventing diabetes is the despest worry for every individual suffering from the disease.







Published: 15th November 2018 12:18 AM | Last Updated: 15th November 2018 07:40 AM



By Dr Anantha Padmanabha

SENGALURU: Recping a check on your blood sugar and preventing diabetes is the deepest worry for every individual suffering from the disease. Being cautious about everything you cat is the saddest thing anyone can witness especially when you are a feedic. What if you can manage your blood sugar and say bye to diabetes by eating the right kind of food? Here are certain food products packed with wholesome nutrients that can help in normalising blood sugar levels and solving the complicated process of managing your diabetes.



Consume a handful of socked almonds. You can sock the almonds overnight. They are either in nutrients than the non-souled ones. They help in lowering and maintaining glucose levels, fight bad cholesterol and increase good cholesterol in the body, thereby, keeping your heart

China China Japan

10 types of Super Foods that keep you healthy in Winter

堂吃过10种食物、让你身体更健康

5天前。但是通过會用正确的會物可以对抗冬季的影响。以下是可以在冬季饮食中包含的10种 超级食品。它们不仅味道鲜美而且还能为身体提供所需的重要营养素。1. https://baijiahao.baidu.com/s? - - 百度快服

常吃这10种食物,让你身体更健康



这个超级食物让这个冬天保持健康

在漫长而严酷的冬季保持自己的强壮和健康,至少可以说是彻头彻尾的挑 战。寒冷的冬天不仅会对免疫系统产生不良影响,而且对皮肤也会非常刺 激。但是,通过食用正确的食物可以对抗冬季的影响。以下是可以在冬季饮 食中包含的10种超级食品。它们不仅味道鲜美,而且还能为身体提供所需的



4. 巴旦木

这些小坚果富含抗氧化剂,可以抵抗任何削弱免疫系统的自由基。它们还含 有蛋白质、镁、纤维、钙、B族维生素、钾、锌、铁、磷和健康脂肪。维生 素E有助于滋养肌肤,保护肌肤免受紫外线伤害。

7 kinds of common nuts that have anti-cancer effects

常见的7种坚果具有防癌抗癌功效



2018年9月27日 - 很少有人把坚果作为主要的防癌食物,但是事实上坚 果类...第4种坚果:巴旦木,又可以叫做扁桃仁。我们食用的基本. https://baijiahao.baidu.com/s?... - - 百度快照

第4种坚果: 巴旦木, 又可以叫做扁桃仁。我们食用的基本都产自国外, 国 内产量很小。巴旦木营养成分高,种类数量多,维生素,纤维素,蛋白质多 种营养。果实不含有胆固醇,可以高效增加身体免疫力,延缓身体衰老,增 强肠胃消化促进排便,减少心血管和肠胃癌症的发生,起到防癌和抗癌的功



巴旦木,香脆可口,经常食用对心脏好

チアシード

えごま油



シソ科の一年草、チアの種子。浸水さ 10倍くらいにジェル状に膨らみ、満腹感が得 やすいのが特徴。食物繊維、オメガ3、鉄 分、亜鉛など普段の食生活では不足しがちな 成分が豊富に含まれています。



業容や健康に期待できる栄養ぎっしり! 自然生まれのスーパーフートを

もっと毎日の食卓に! 健康的な美しさを目指す人から、今大注目なのがスーパーフード。 栄養がギュッと請求ったスーパーフードを、気軽に毎日の食生活に

> に含まれるオメガ3 (a-リノレン酸) は、現 代人に不足しがちな栄養素のひとつ。厚生労 働省の摂取目標量は、成人1日あたり1.8g~

▼毎日食べたい、簡単おいしいスーパーフードレシビ | ▼ロハコで買えるスーパーフー

認識のスーパーフードとは、クミカルに作られたものではなく、自然生まれの危急であることが基本。一般の危急よりも半幕裏や標準を得か返出がきずらさら、または核党の場所を内容は近分が多った。というないできず。 第一句が返出がきずらさら、または核党の場所を内容によりであった。 料理の意材として、また場面を良くして、毎日の主流に大学によったれることで発音と思考への効率が開始できます。代表があった。 に、アサイー、カカオ、チアシード、ヘンプシード、ココナッツオイル、アマニ島、スご多湯、アーモンド、クルミなどがありま

しそ科のえごまの種子から抽出される油で、 体に必要なオメガ3脂肪酸(a-リノレン酸)が 約60%含まれている。a-リノレン酸は、体内 で脳の働きに大切な栄養素であるDHA、EPA



高い抗酸化作用を発揮し、美肌・アンチエイ ジングに効果が期待されるビタミンE、メタ ボの予防にも効果的なオレイン酸、その他食 物繊維など、10種類以上の栄養素がバランス 良く詰まっている。

アサイー

栄養豊富なブラジル原産のヤシ科の植物。抗 酸化作用があるといわれるポリフェノールの 一種アントシアニンが豊富で、食物繊維、鉄 分、ビタミン類やカルシウムなどの健康に欠 かせない栄養素も多い。



ココナッツオイル トランス脂肪酸・コレステロールゼロ。消化 吸収が早く体脂肪になりにくく、中鎖脂肪酸 が豊富。肝臓で分解されるとケトン体という 物質になり、ブドウ糖に代わる脳のエネルギ -源となるスーパーフードの代表選手。



ヘンプは非常に耐久性のある植物で、多様な 地域で生息している。プロテイン、マグネシ ウムをはじめ、オメガ3、オメガ6の必須脂 肪酸をバランスよく含んだ食材で、松の実の ような味わいが楽しめる。



たんぱく質と食物繊維が豊富で、ナッツ類の 中でもっともオメガ3脂肪酸(DHA、EPA、 a-リノレン酸など) が多く、メラトニンやポ リフェノールをはじめとする抗酸化物質も含 む、注目のスーパーフード。

カカオパウダー



カカオパウダーは、生カカオを非加熱圧縮す ることによってカカオバターと分離。抗酸化 作用のあるポリフェノールやビタミンC、ミ ネラルなど、女性にうれしい栄養素がいっぱ いでリラックス効果も期待できる。

ゴールデンベリー



太陽をいっぱい浴びたアンデスのスーパーフ ルーツ。プチプチとした食感とあんずやトマ トに似た甘酸っぱい味わい。食物繊維、鉄 分、マグネシウム、ビタミンA、β-カロテン を豊富に含み、女性の健康食にぴったり。

South Korea





뇌졸중 예방 | 비타민C, 비타민E : 지방의 연소를 돕고, 면역력을 증진, 콜레스테롤 감소로 복부비만에 좋음 |

칼륨: 체내의 나트륨양 조절





UK Germany

Nuts and seeds

20 **Almonds**

Help to lower blood fats

A regular handful of almonds will help your body to clear bad cholesterol from your bloodstream more effectively, according to a study in the *Journal of Nutrition* last year. Eat them with the skins on because that's where much of the beneficial fibre is stored.

Boost your health Top 50 foods for brain, heart and joints

Is your diet packed with the most nutrient-dense foods possible? From sage to strawberries, Peta Bee asks the experts for the best ingredients to eat

SAGA

REST News Traid

Substribute to Supple Paparine

Health & Wellbeing | Diet & Nutrition

Rest News Traid

Long Vision Street

Hy our wont to boost the health of your eyes, these 10 vision-friendly foods should help.

Almonds

The chrond is one of the rienest sources of vitamin E on the planet, weight for weight, and a smell handful of the nuts will provide half your

The Age-Related Eye Disease Study (AREDS), a major research project spansared by the US National Eye Institute found that a require inside of vitamin E can reduce the risk of developing extracts by 25%. Other excellent sources of vitamin E include extra-virgin clies oil and surfaces.

10 healthy reasons to eat more nuts







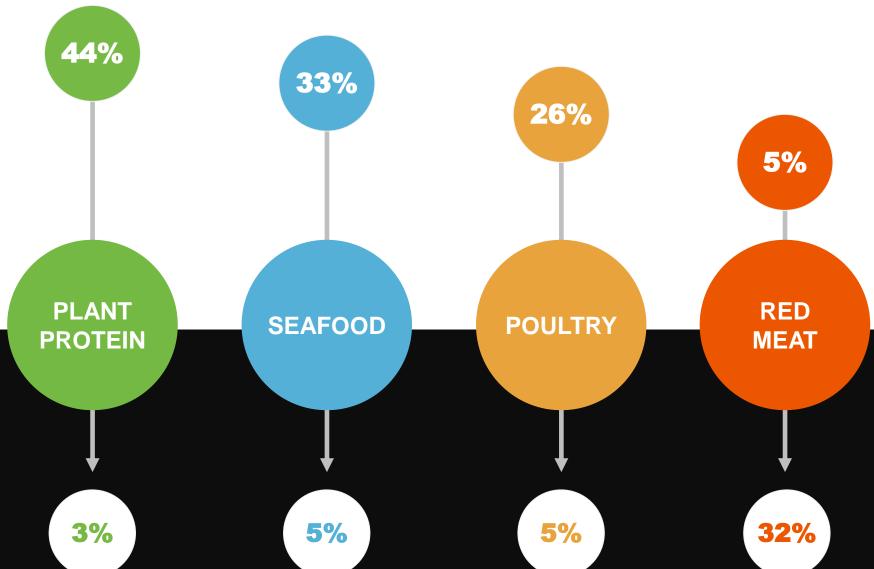








WANT TO INCREASE



WANT TO REDUCE









MEATLESS MONDAY'S EXPAND AROUND THE WORLD









AUSTRALIA

BRAZIL

GERMANY

ITALY











BHUTAN

CANADA

U.K.

HONDURAS

JAPAN









BOLIVIA

FRANCE

HONG KONG

S. KOREA





The global market size of sweet and savory snacks was worth \$144.0 and it is projected to reach to **\$219.6** billion in 2024 with a **CAGR of 6.17%**

\$144.0 Billion

\$219.6 Billion THE
"SNACKIFICATION"
OF SOCIETY



Need for Convenience



Shifting Consumer Attitudes



Proliferation of Snacking

SNACKING CONSUMPTION



SHIFTING TOWARDS MORE

NATURAL SNACKING OPTIONS⁴

SNACKING OCCASIONS⁴

63%

42%

40%



73%











Dairy-Based

Nuts & Seeds



SNACKING FREQUENCY A DAY⁵











2.5

Kids

3

Young Adults

2.9

Young Families

2.4

Established Families

2.2

Seniors

SNACKING MOTIVATIONS



The largest percentage of snackers do so for a treat. Healthfocused snacks should aim at enjoyment.³

OPPORTUNITIES



Out-of-home dairy

Ambient dairy offerings that can be stored at room temperature represents an untapped opportunity.



Snack meal

Snacks as meal replacements are a growing opportunity.¹



Protein Rich Snack

A big opportunity to target the on-the-go consumers looking to satisfy a craving and boost energy levels⁶.

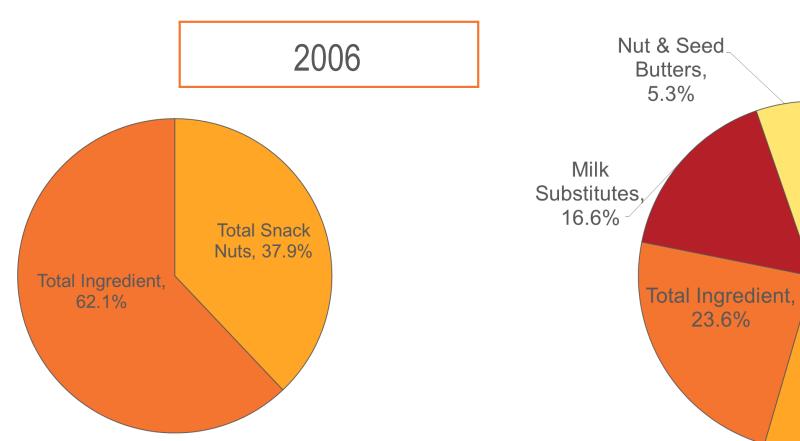


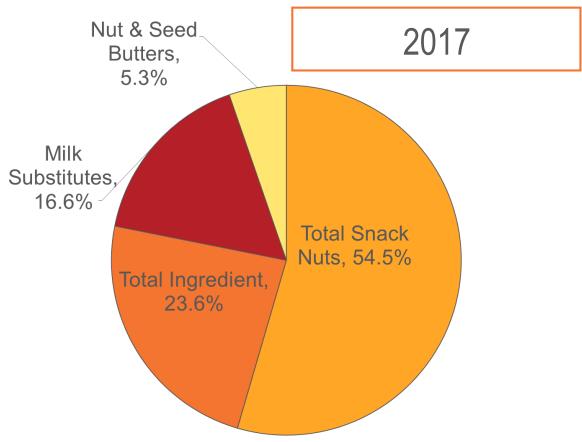
Flexible packing for on-the-go

Pouch packaging, single serves, and re-sealable packaging can increase portability and help reduce waste.⁴



PURE ALMOND PRODUCTS NOW DOMINATE SALES





ALMOND PRODUCT OUTPERFORMING CATEGORIES



Almond dairy creams and non-dairy creamer up 111% in sales vs YAGO (while total category is up 6%).

CoffeeMate Natural Bliss Almond Milk Creamer #1 at \$15.5 million in sales



Almond snack and variety packs up 140% in sales vs YAGO (while total category is up 11%)

Nature Valley Granola Cups brand new \$10 million dollar product in 2 years



Almond produce meal combos up 40% in sales vs. YAGO (while total category is up 35.7%)

Sargento Balanced Breaks represent \$30 million this year, up 20% vs. YAGO



Dairy yogurts with almonds up 17.4%

in sales vs YAGO (while total category is down 3%).

Chobani almond flips at \$90 million + in sales

ALMOND BASED GLUTEN-FREE APPLICATIONS IN NEW CATEGORIES



Cappellos Gnocchi

United States, Nov 2017



Probar Live Probiotic Nutrition Bar With Almond Butter Flavor

United States, Sep 2017



Fattoria Della Mandorla Mandorella E Lenticchie: Almond And Lentils Burger

Italy, May 2017



APPLICATION OF ALMONDS IN FORMULATION OF CLEAN LABEL SPREADS



Kung Markatta Almond Butter

Sweden, Dec 2017



Morlife Spinach, Herb and Onion Superdip Mix

Australia, May 2017



Simply Raw Organic Almond And Cacao Raw Crème

Germany, Jul 2017



APPLICATION OF ALMOND INGREDIENTS IN FORMULATION OF CLEAN LABEL SNACKS



ALMOND

Gimme Organic Seaweed Thins Sriracha Almond Savory And Sweet Crispy Wafers

United States, Dec 2017



ALMOND BUTTER

Mission More 6 Snack Balls With Blueberries And Baobab

Germany, Jun 2017



ALMOND FLOUR

Barnana Organic Crunchy Toasted Coconut Banana Brittle

United States, Aug 2017



APPLICATION OF ALMOND INGREDIENTS IN FORMULATION OF CLEAN LABEL SNACKS



ALMOND

Muller Bio Primo Organic Fruit Bar With Honey-Almond-Ginger

Germany, Dec 2017





ALMOND BUTTER AND PIECES

Perfect Bar The Original Refrigerated Protein Bar With Dark Chocolate Almond

United States, Nov 2017



ALMOND BUTTER & FLOUR

Paleo Treats Mustang Bar

United Kingdom, Mar 2016



VERSATILE APPLICATIONS OF ALMONDS IN DAIRY ALTERNATIVE PRODUCTS



NON-DAIRY YOGURT

Silk Almond Milk Yogurt Alternative: Vanilla

United States, Sep 2017



NON DAIRY MILK

Alpro Oat Almond Drink

Belgium, Dec 2017



CHEESE SOFT/SEMI-SOFT

Cicioni Fermented Nut Cheese

Italy, Jan 2017



ALMOND OIL SHOWS PROMISE IN FOODS & BEAUTY











MARKETING APPROACH

- 1. Invest and develop foundational platforms for industry long-term growth
- 2. Disciplined, data-driven strategic approach to market development
- 3. Highly creative, targeted, best-in-class marketing programs

OUR DISCIPLINED APPROACH

Global Demand Analysis

Opportunity Assessment

Target Segmentation

Message Deep Dives









Markets projections and prioritization

Focus within markets

Target identification and sizing

Target refinement and messages

GLOBAL MARKETING OVERVIEW





FOCUSING ON CORE BENEFITS

- 1. Skin and Beauty in Asia
- 2. Mental acuity in India
- 3. Lifestyle in the West



Health Perceptions



Almond Snacking Usage



Almond Value Quotient

(Average of Combined Health and Snacking scores)



Measuring Perception changes and Program Effectiveness:

- Attitudes, Awareness and Usage Studies
- Advertising testing and evaluation
- Consumer Qualitative and Ethnographic deep dives





Shipments

- ABC Position Report
- Global Trade Atlas
- Sales data

Sales data

Changes vs. prior year

Trended over time

- 5 and 10 years
- Percent shipments
- Shipments vs. spending

Thank you!





What's Next

Tuesday, December 4 at 1:45 p.m.

- Managing Nutrients and Salt Under Current Water Quality Regulations Room 308-309
- What's Happening in DC? 312-313
- The Almond Aflatoxin Menace: Addressing It Head On Room 306-307
- Sustainability: Aligning with Food Manufacturers' Needs for the Future Room 314





What's Next

Tuesday, December 4

State of the Industry – Hall C at 4:15 p.m.

Be sure to join us at 5:30 p.m. in Hall A+B for Dedicated Trade Show Time and Opening Reception, sponsored by FMC Agricultural Solutions



