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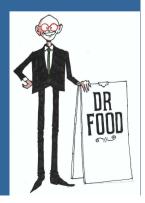
Creating A Market for Quality, Higher Value Fresh Produce in Brazil

Dr. David Hughes
Emeritus Professor of Food Marketing

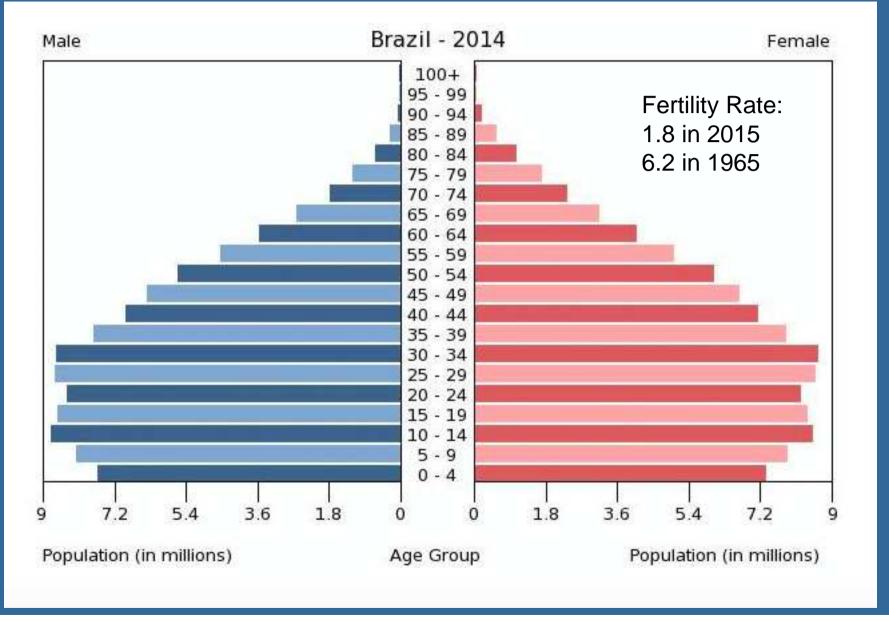
FC Brazil Convention
Espaco APAS, Alto de Lapa
São Paulo, Brazil
Thursday, August 18th, 2016



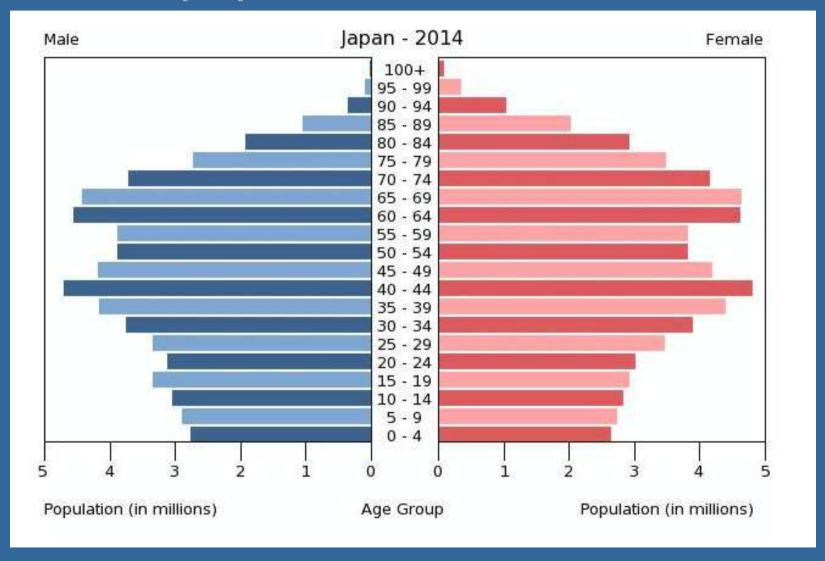




Demographic Profile for Brazil: Population Growth Rate Declining for 50 Years

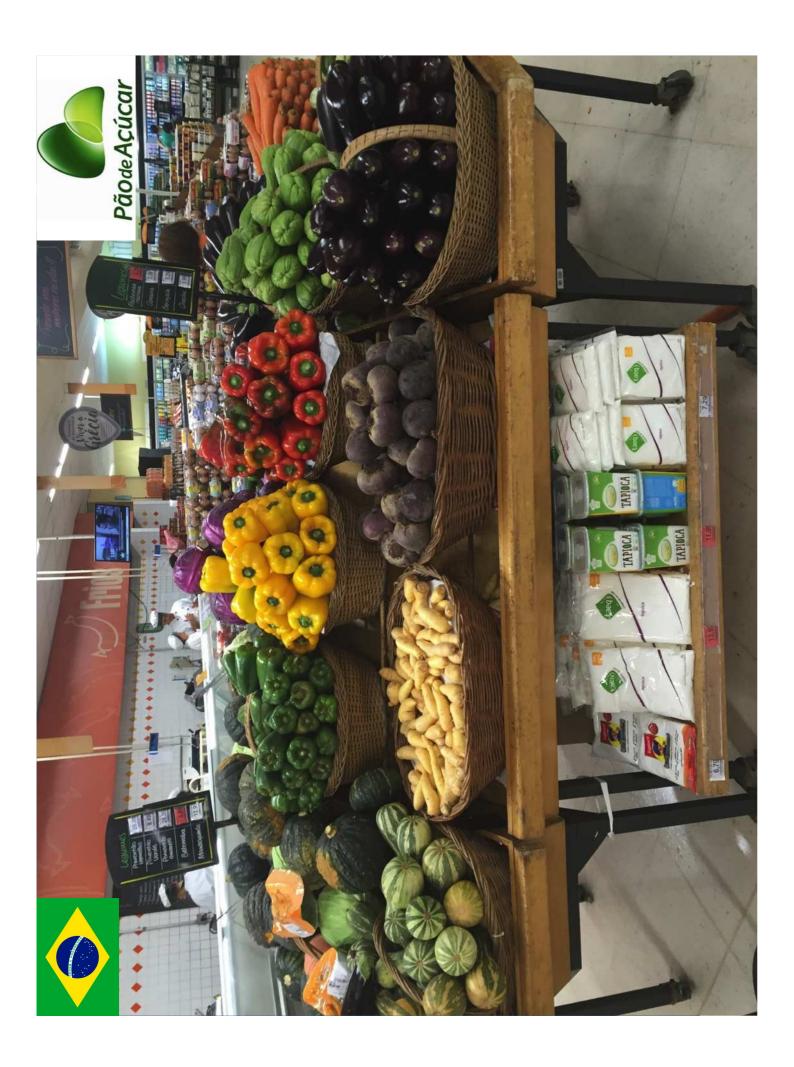


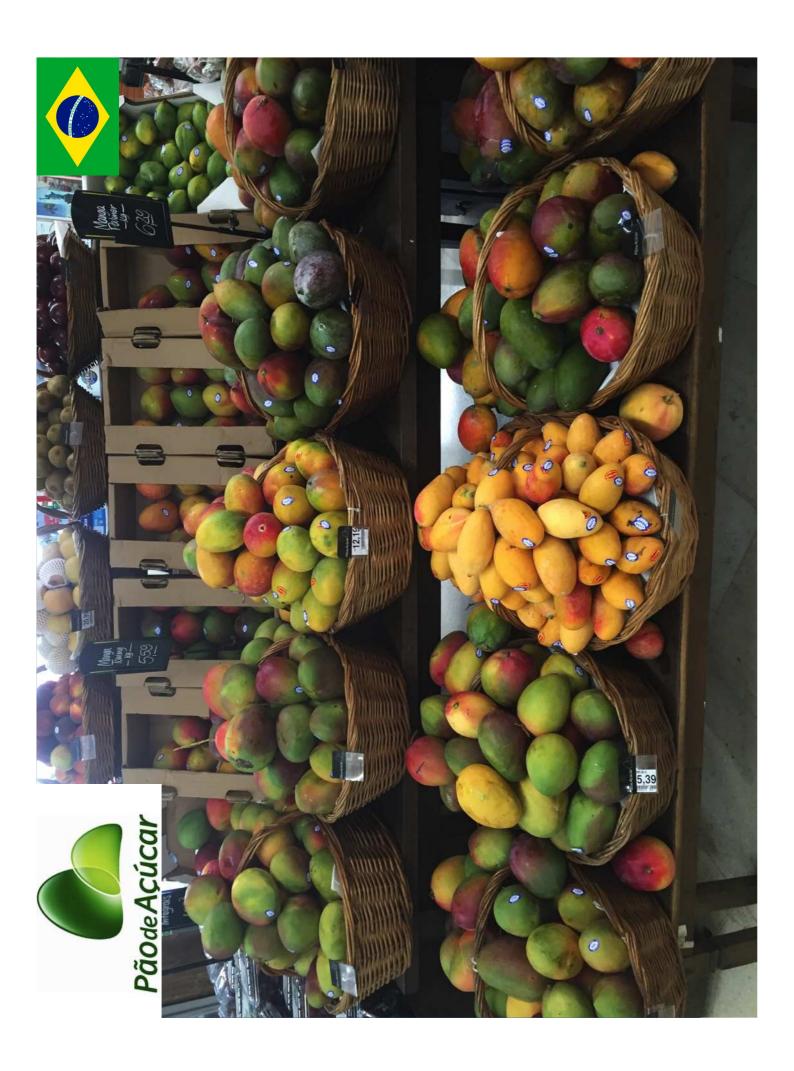
Demographic Profile of the Japan – A Country Shrinking By 1 Million People per Year!











Who's the Most Profitable in Glo	obal Grocery Top 50?*
----------------------------------	-----------------------

Company	EBIT Margin (% of sales)	Grocery Sales *billion
Reynolds America	65	10.1
Altria Group	47	18.8
BAT	44	20.0
Philip Morris Int.	40	26.8
SAB Miller	33	16.5
AB InBev	32	43.6
Diageo	31	16.5
Mondelez	30	29.6
Johnson & Johnson	28	13.5
Reckitt Benckiser	25	13.6
Japan Tobacco	25	17.9
Coca-Cola Co	22	44.3
Pernod Ricard	19	9.5
L'Oréal	18	28.0

Source: OC & C (UK), 2016
*based on 2015 (or nearest) financial data

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Who's the Least Profitable in Global Grocery Top 50?*

Company	EBIT Margin (% of sales)	Grocery Sales *billion
Carlsberg	-0.3	9.7
Dean Foods	1.2	8.1
Kirin Breweries	1.8	15.2
Con Agra	2.1	15.8
Bunge	3.0	28.1
ADM	3.7	25.2
Nippon Meat Packers	3.8	10.0
Arla Foods	3.9	10.0
Royal Friesland Campina	5.2	10.0
Tyson Foods	5.3	41.4
JBS	5.6	47.9
Suntory	5.7	19.8
Tingyi	5.9	9.0
Asahi Breweries	6.2	4.1

Source: OC & C (UK), 2016

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^{*}based on 2015 (or nearest) financial data

Proprietary Technology and Demand Chain Squeeze

Life Science Companies
Ownership of Intellectual
Property & Genetic Rights

market power polarised nursery people growers/farmers distributors manufacturers etc. get squeezed!

Major Global Food Retailers and Food Service Firms
Ownership of Information on Shopping Behaviour

Consolidation of International Agri-Supply Companies: From "Big 5" to "Gigantic 4"?!







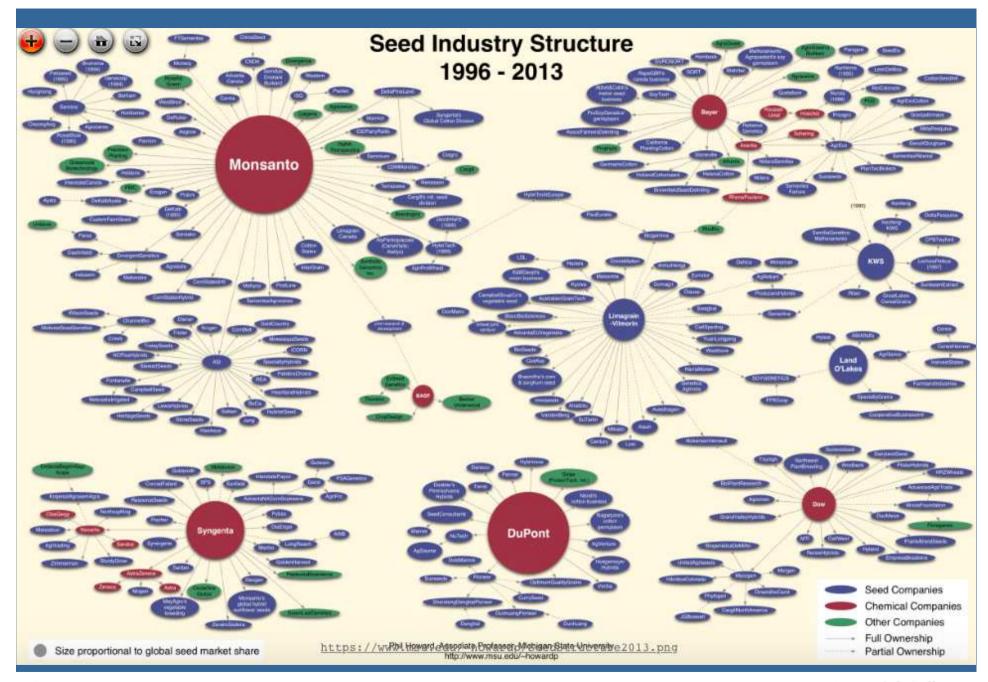
Over past 20 years, the "Big 6" have purchased 200 + companies plus patents with increasing power in the "Smart Farming" market. Du Pont and Dow agree merger. Syngenta goes Chinese. Bayer to buy Monsanto? Their financial results reflect this concentration!











Which of These Produce Items Have the Strongest CONSUMER Brands?





















Branding: A Definition

"The art of aligning what you want people and particularly your customers to think about your company and its products with what they actually think about you"

Attributes of Great Brands

- target distinct market segments can be more than one with a range of products
- 2. have a clear and relevant point of difference
- 3. have emotional level connections
- 4. understand shopper and consumer needs and wants
- 5. Have long-lasting connections with customers imperial College London

Global Trends for Innovation "SIAL World Trends Tour", 2014 Common Attributes of Successfully-Launched Food Products

- tasty/"more-ish"
- convenience (buying, preparing/eating/cleaning up)
- health, nutrition and well-being "hooks"
- local (provenance, producer link)
- values environment, sustainability, animal welfare
- natural, minimally processed, clean & clear ingredient list
- "magical" foods (so-called "super foods" e.g. blueberries
 & antioxidants, fish & omega-3 oils)
- premium: luxury/indulgence but affordable
- good for cooking (or, at least, assembly) at home
- and vital to have a snacking product format















What's the Demographic Scene Like in Some Higher Income "Western" Countries?

And What are the Implications for the Food & Grocery Industry?

* Percent Meals Eaten By

Single diners 42 2 diners 36

3 diners 11

4 or more 11

diners



* Preparation Meal Time

2015 32 mins

1990 45 mins

1980 60 mins

1950 90 mins

* Willingness to Pay More for Food

5% more For healthy

22% more For better taste

Considerably more For ready made meal solution!











Not Designed for 1 or 2 Person Households!

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Increasing Complexity Driving Food Purchasing Behaviour



Including:

- savvy shopping
- local/national
 - place of production
 - care of local economy
 - local is fresh/healthier
- provenance
- heritage
- sustainability
- animal welfare
- worker welfare

MEET THE PRODUCERS

Experts from around Britain who help us bring 100s of fresh ideas to your table



STRAWBERRIES | MARION REGAN Awarded an MBE for her services to the fruit industry



ORKNEY CRAB | RONNIE NORQUOY
Fishing for 40 years and helping
us source sustainable crab from
the wild Atlantic seas



WELSH CAKES ROBIN JONES All our Welsh cakes are handturned in the bakery



POTATOES | MICHAEL MCKILLOP Plants new varieties every season in nutrient-rich soil for delicious potatoes full of goodness



How'd You Like Your Fruit? With ADJETIVOS, Please!:

- hand/freshly-picked
- locally-grown....
- new season ...
- Caqui from Itatiba
- Jazz/Pink Lady/Zespri
- heritage variety
- Farmer Gabriel
- guaranteed BRIX levels ...
- organic
- environmentally-friendly ...
- free from (pesticide residues)
- premium (e.g. jumbo-sized)
- ready for snacking

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Grown on a Family Farm: with 300 Hectares of Asparagus!



PEMBROKESHIRE CORN FED CHICKEN MINI FILLETS

REARED BY THE SCALE FAMILY IN THE PEMBROKESHIRE COAST NATIONAL PARK. BIRDS ARE FED A CORN BASED DIET AND ARE FREE TO ROAM AND FORAGE ON CLOVER PASTURE RICH IN WILD FLOWERS AND HERBS.

SKINLESS FRESH CLASS A

MARKS & SPENCER





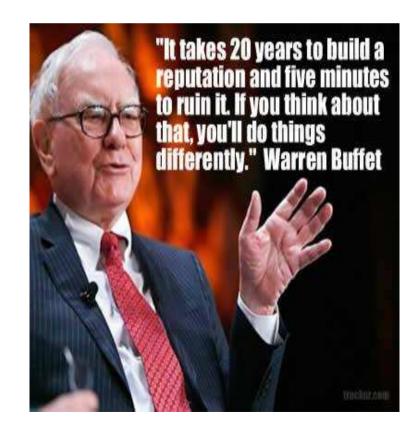


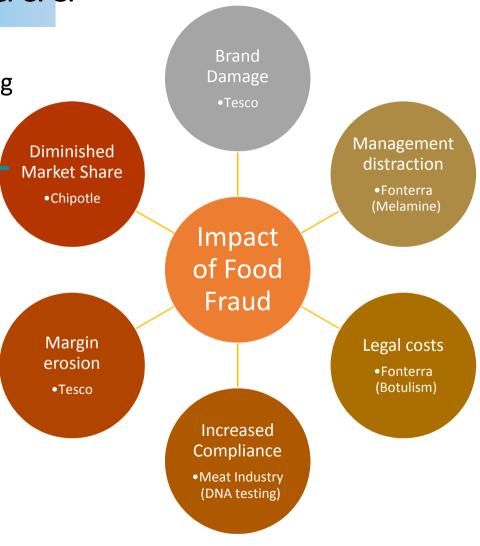
Using ADJETIVOS to Earn a Price of R\$75 for Chicken!

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The cost of Food Fraud

The brands of Retailers, Food Service and Restaurants are reliant on all suppliers sharing the same level of integrity as the person whose brand and reputation is at stake.









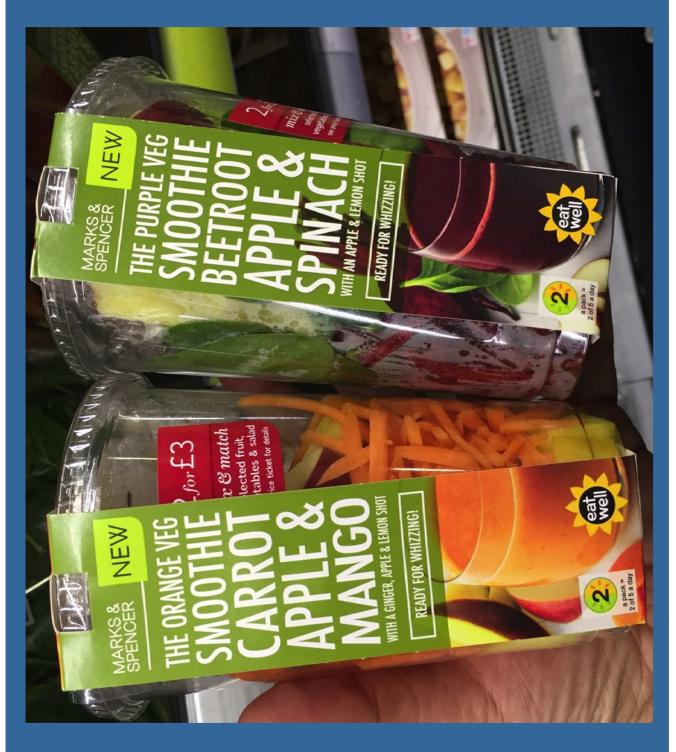


Strong Growth in Blender Sales Drives Growth in Fresh & Frozen Fruit Markets in Many Higher Income Countries:

Brings benefits to fruits and vegetables, particularly those with "super food" status!













Campbells



Cold-Pressed Fruit & Vegetable Juices: Strong Growth Potential with Excellent Health & well-Being Hooks





Campbell Soup Splashes into Cold-Pressed Juice with "1915 by Bolthouse Farms"

Cold-Pressed Redolent of EVOO

Any Room for a Super Ingredient Like Onion Juice?



Campbell Soup to buy salsa maker Garden Fresh for \$231 million



Campbell's Acquisition Strategy
Puts Fresh Produce Industry
Directly in the Competitive
Firing Line!









Connecting the Trends:

- Healthy and Nutritious
- Convenient
- Minimally Processed
- All Natural Ingredients
- Product with Provenance
- Artisan Not "Big Food"

Asda offers juice in fruit & veg aisle in B.Fresh deal







Targeting the Kids' Lunch Box Market (examples from New Zealand)









Meal Deals Hugely Influential in the UK Lunch Time Market. \$5-7 for a salad, snack & drink. GREAT VALUE!







Spiralizing: The Transformation of Traditional Vegetables



Meet the Original Cauliflower Crumbles

Cauliflower Crumbles" process ensures the ultimate



The process—which covers harvesting, processing and our proprietary packaging—yields a product with excellent shelf life, consistent color and





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Use By:

a satisfying rice alternative lightly spiced and fragrant,

oday for more info: 831,751,3800 • GreenGantFresh.com

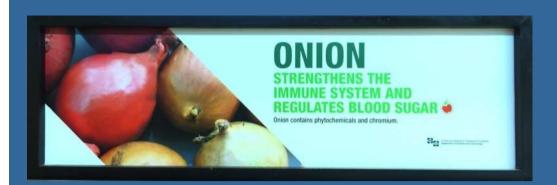




Waitrose



Fresh and Frozen Prepared Onion Products



Point-of-Sale Material in Major Supermarket in Manila.

Is it legal? Dunno – it's effective!















Beetroot Having an Athletic Moment!

Like Cranberries, the "Social grapevine"
Drives Awareness of Product Benefit for beetroot [beterraba] (i.e. Quick Recovery from Athletic Exertion)

Don't Be Shy About The Attributes of Your Product!





Ingredients: Brown Onions



Clean and Clear Ingredients: Mega-Trend in the World of Food Manufacturing. Huge Opportunity for

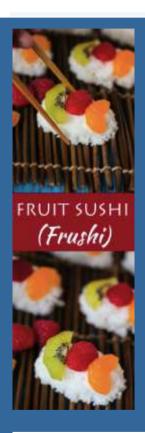
Calories from Fat 1
% Daily Value
0%
0%
(3)
0%
0%
15g 5%
11%
10
10
Vitamin C 20%
Iron 2%
֡

Talk About Onion Health Benefits More!:

- colon cancer
- stomach cancer
- esophageal cancer
- sleep & mood
- skin and hair



Move over Seafood, Sushi Has Another Key Ingredient - Fresh Fruit





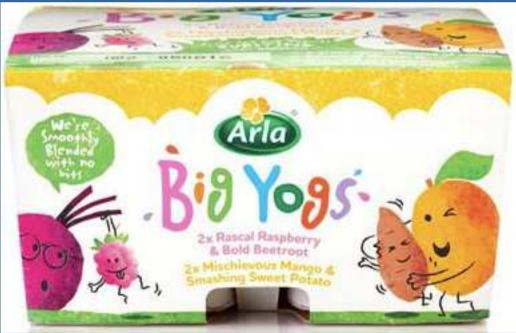


"Frushi On-Trend"

Frushi has been popular in the US since last year and now the food fashion is gaining traction in the UK as well as trending on social media sites like Instagram and Pinterest.

New Format and New Segments for Vegetables: e.g. Ice Cream, Adult Snacks, "Stealth" Vegies for Kids







≝CITY WIRE

China-based Alibaba stakes claim as passing Wal-Mart to be the world's largest retailer - Market Cap Alibaba x3 Walmart

















Aldi/Lidl UK: Altering the Competitive Landscape for Fresh Produce

Super 6Fruit and veg offers









Peapod







Retailers Rush to Smaller Store, Affordable Premium Strong Fresh Offer (365 Whole Foods lookalike?!)

KROGER'S MAIN & VINE: firmly in Whole Foods Market Territory



AT MAIN & VINE, YOU'LL ENJOY

- · Fresh, affordable local produce and meat
- · A wide selection of local beer and wine
- Unique culinary experiences and taste adventures, with tasty meals made fresh in our kitchen
- · And so much more!

Our home is your home ... and we can't wait to welcome you in!





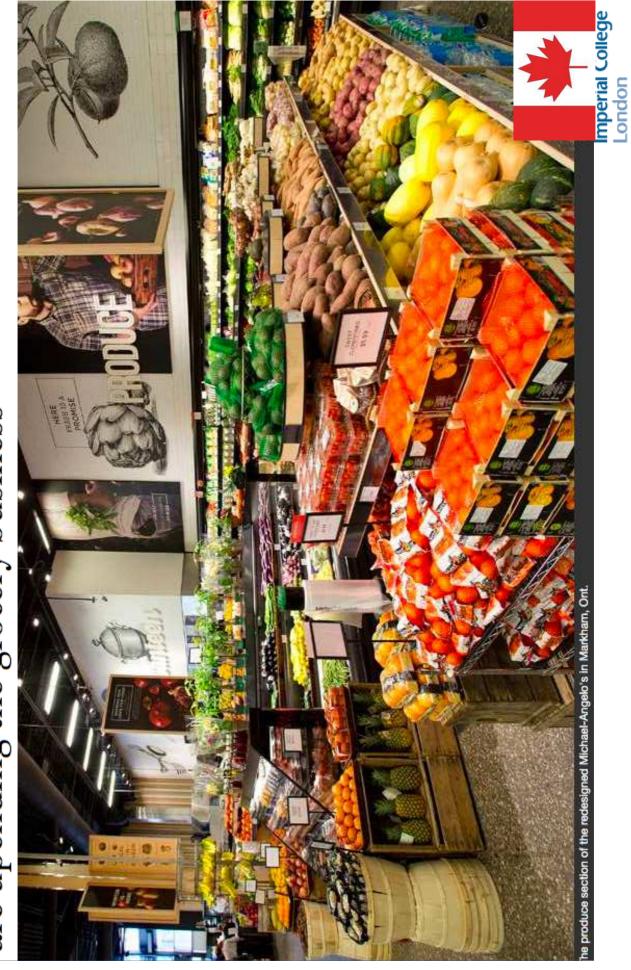


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FARMERS MARKET



How shrinking baskets and demand for grab-and-go food are upending the grocery business



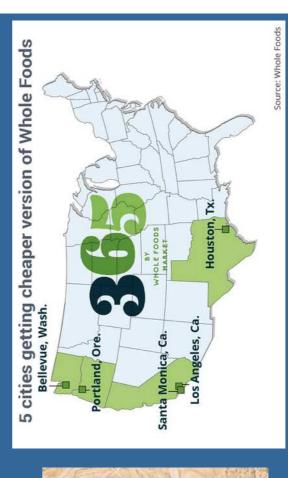


WHOLE FOODS TO OPEN CHAIN FOR MILLENNIALS

About 365

The things you need + where you are + how you want to shop: 365 by Whole Foods. Market hits the scene in 2016.

Soon, you'll be able to shop for grocery staples, fresh produce, prepared foods and more, 365 days a year. It's a new convenient and affordable way to get the good stuff you crave, all with the same quality standards you find today in our Whole Foods Market stores.





Hop on board for an ethical food adventure



Choose a box

Returnable, recyclable packaging that'll stay chilled till you get home



Make it perfect

Swap in and out what you fancy



We deliver

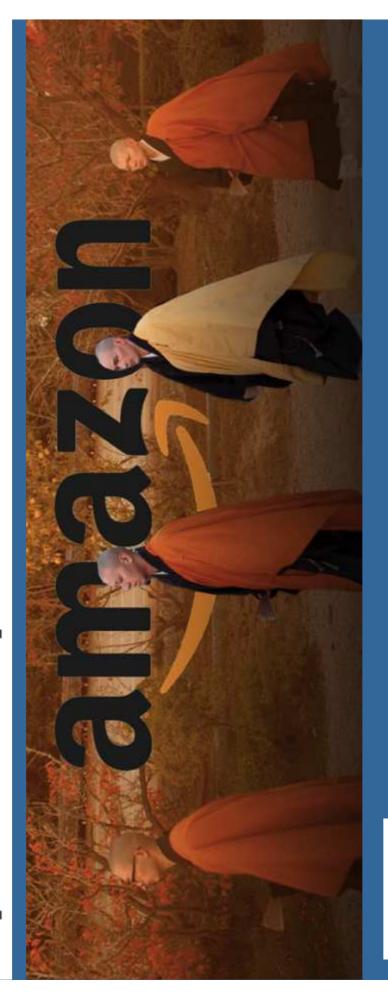
On the same day each week via eco routes

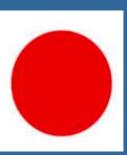
Find your delivery day





Monks Delivered Via Amazon as Role of Japanese Temples Fade





FOODBAG

fussiest eaters. Quick, healthy and Family favourites that'll please the yummy recipes for you and your ittle ones.

5 meals for 2 adults and 2 to 3 Auckland, Hamilton & 5 recipes every week Wellington children

Per week S159.00 Free Delivery

FOODBAG

Classic recipes with a twist. Ideal for busy families with older kids who want healthy food and delicious recipes.

5 meals for 4 adults or a family Auckland, Hamilton & 5 recipes every week Wellington

Per week S189.00 ree Delivery

FOODBAG

couples who love fresh food inspiring recipes. Ideal for and enjoy exotic flavours. Premium produce and

Auckland, Hamilton & 4 recipes every week 4 meals for 2 adults Wellington \$139.00 Per week Free Delivery







Grocers explore options to defend against growing meal kit category





Opportunity for Fresh produce Industry and Threat for Traditional Food Retailers

Self-driving robots deliver food to your door after founders of Skype launch new tech company

Continued Growth of On-Line Shopping is Unsustainable Without Radical Developments in Home Delivery Options (not the death of "white van man" but his end is nigh!).







Walmart taps Uber, Lyft for same-day grocery deliveries

Backwards to the future







Mr. Barnes Wouldn't Have Been Surprised!

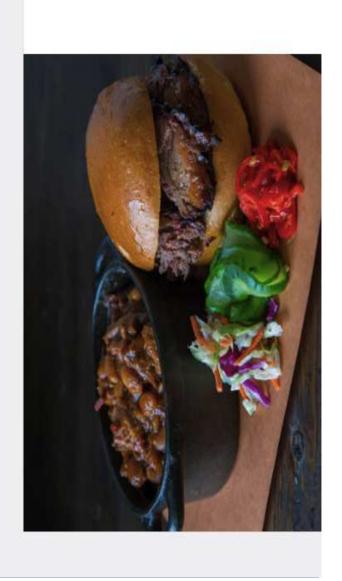








Wednesday, Feb 3



MICHTY QUINN'S

Brisket Sandwich with Burnt End Baked

Beans

★ Featured on the Food Network's Best. BBQ. Ever Slow smoked beef brisket, sliced on a brioche roll with Mighty Quinn's housemade bbg sauce and a side of burnt end baked beans. Served with slaw, pickled cucumbers and chiles.

\$12.75

Major Retail Players Expanding Multi-Format Presence: Implications for Fresh Produce – Does My Product Format Fit with the Retail Format?









	Hypermarkets	Convenience and proximity	Atacarejo	Discount	Online
Walmart					
Cencosud					
Grupo Éxito					
Carrefour					
		-	M	1	
Key	Established	Developing	No stores		





produce section

Many retailers use basketstyle displays to elevate the status of their produce. But, in a high impact and varied section, Zaffari does it better than most.

A diverse and intriguing range helps make the produce section is a highlight for shoppers, giving a true market-style feel to this section of the store.





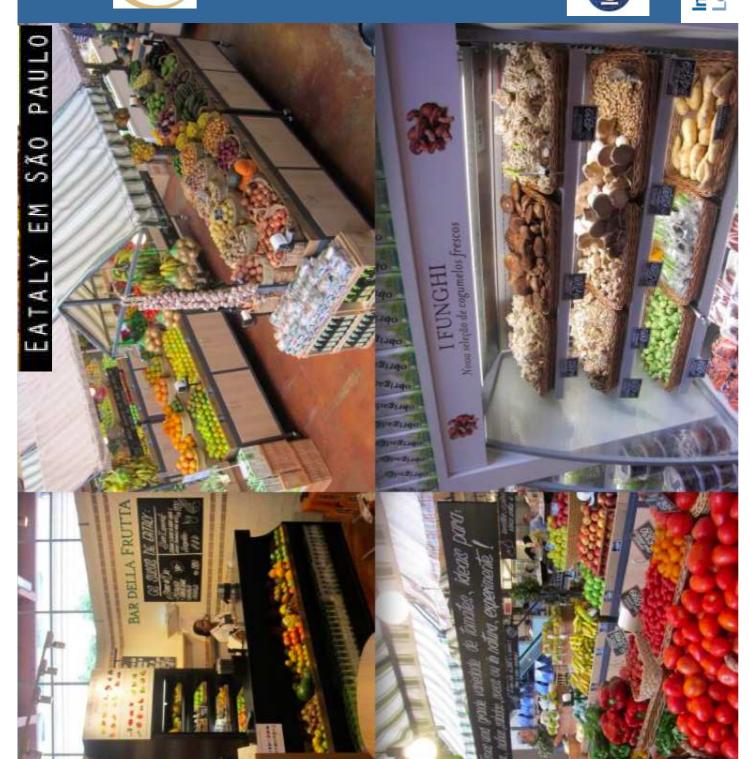














In Many Retail Markets, Tough Period for Produce

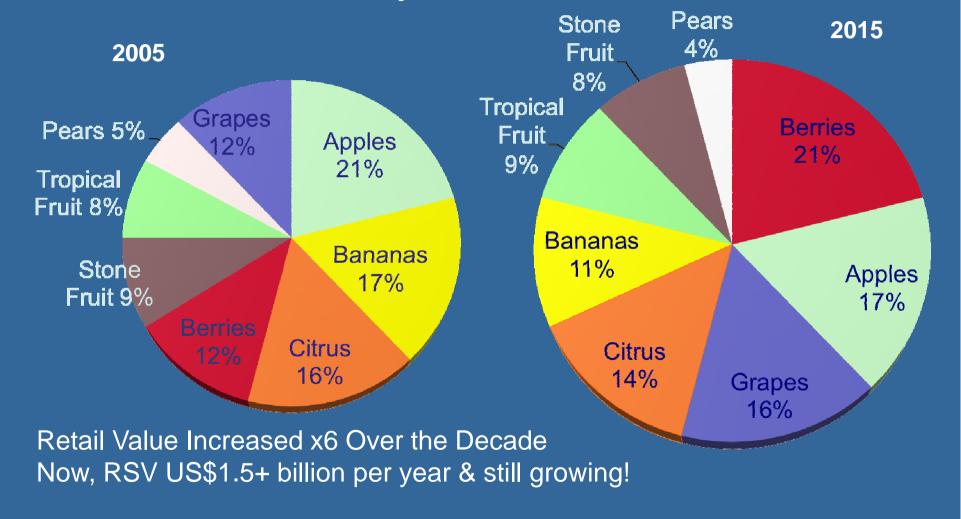
- across Europe, per capita consumption of vegetables static or declining (households buying less)
- deflation eroding fresh produce retail value UK market down US\$1+ billion in 2015 versus 2014
- hard discounters expanding super low price fresh offers to compete with "traditional" supermarkets
- fresh cut expanding but values under pressure
- "difficult-to-prepare" traditional produce struggles and commodity Fruit & Veg. firmly under price pressure
- Very few fresh produce brands (in the UK & other markets) but the few over-perform their category

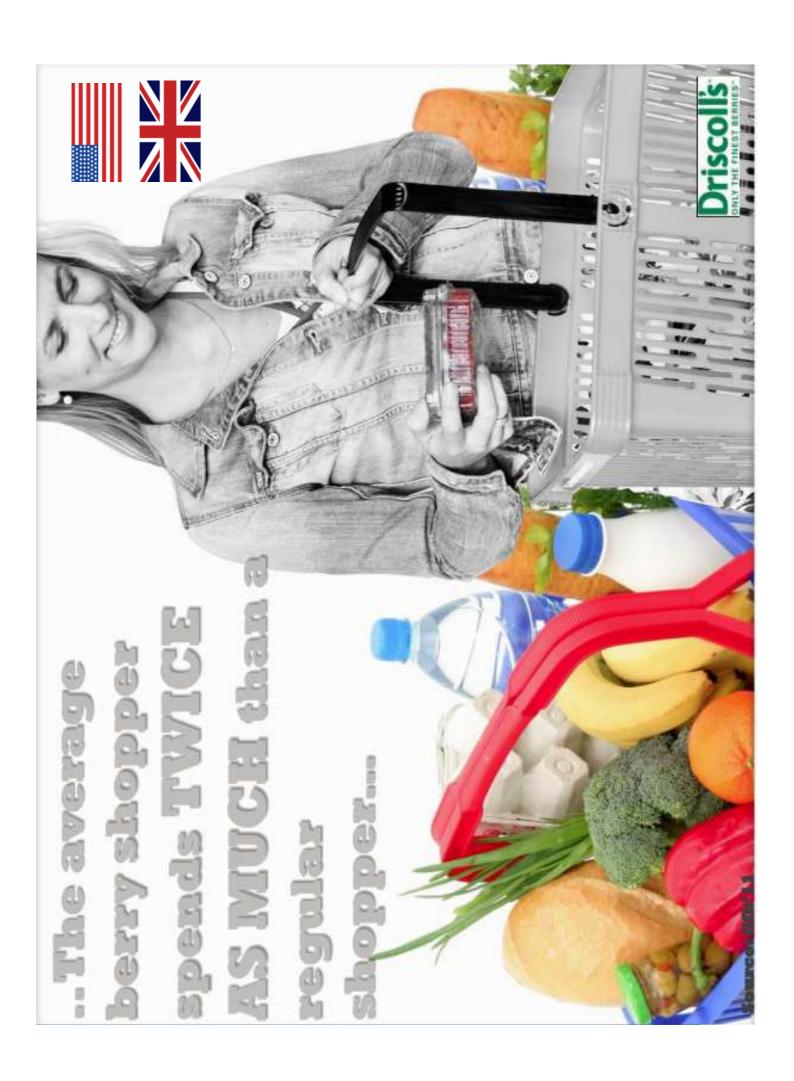
^{*} fresh processed F&V mixes bring great opportunity

Some Thoughts to Ponder on Produce

- ferociously competitive over next few years, partic. for traditional whole fruit and vegetables
- fewer, larger, better-resourced commodity businesses ("last man standing" spectre) and nimble, valueadded, fresh food firms with (branded) consumer products
- inexorable trend towards more convenience attracting international food processors (e.g. McCain, Simplot)
- much improved retail category management with more info. on how to use and who produced it and how
- produce with adjectives, stories, points of difference
- each category should consistently communicate the specific health & well-being benefits of their properties.

Value Share of the UK Retail Fruit Bowl 2005-2015 Outstanding Success for Fresh Berries Over a Decade. Not All Produce Are Equal!









Driscoll Varieties Dominate Premium Berry Range but Sold Under Retail Brand







Driscoll's "Berry Patch": Retailers Provide Hectares of Shelf Space!

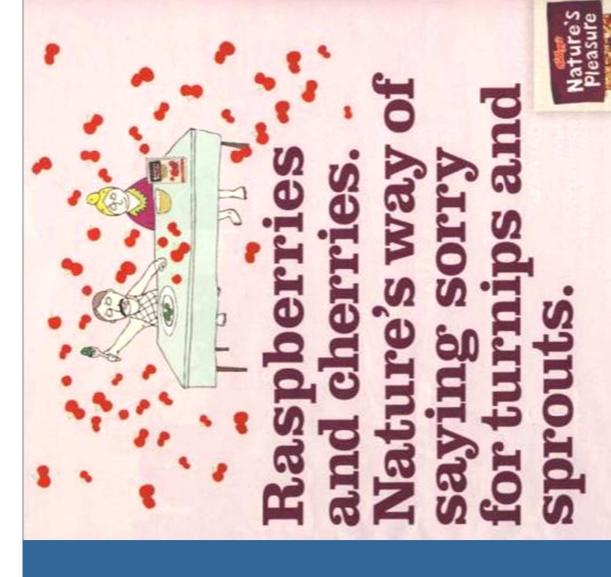






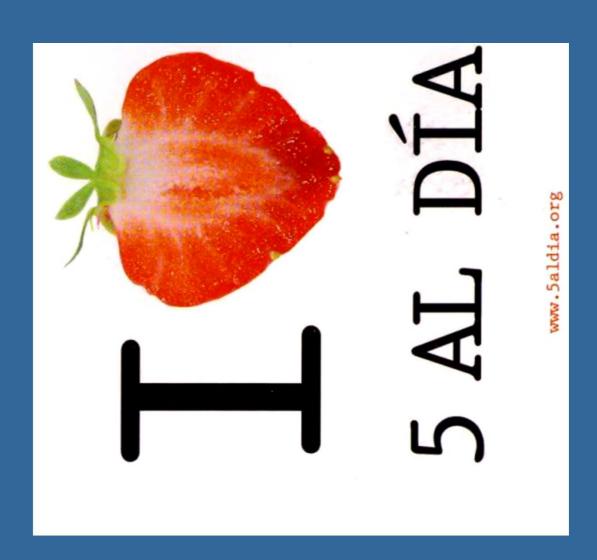
Typical Kroger SW Display with Dual Cases





Raspberries, cheries, oats and barley are much tastier than some of nature's other produce. Luckily, they're even tastier in our muesti because we bake it. www.naturespleasure.co.uk

Nature now comes in delicious.



Allergy Tested. 100% Fragrance Free.

CLINIQUE

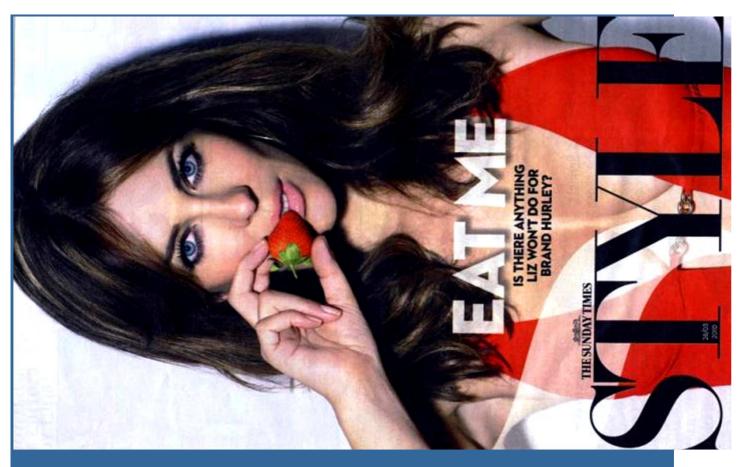


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Give your skin a healthy start.

SPF 20. You know what your body needs in the morning. New Superdefense is here to help skin get a great sendoff. Our most complete daily protection in a formula so light and silky it's a pleasure to wear. New Superdefense. Moisture, antioxidants and SPF...all in our Daily Defense Moisturizer

clinique.co.uk

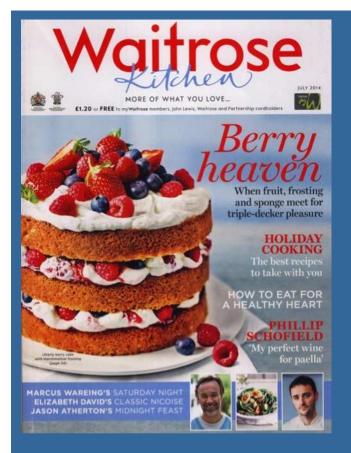






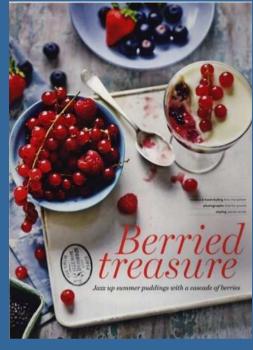












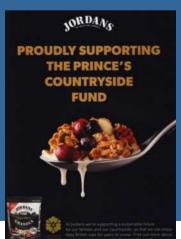










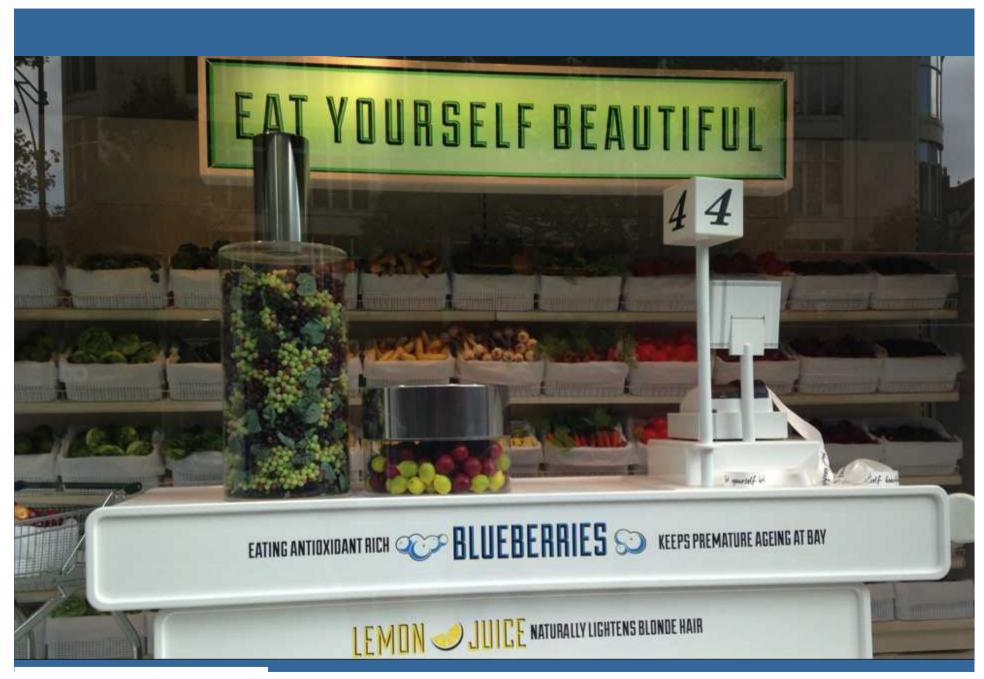






"Waitrose" magazine dripping with fresh berry images (6 pages)

bllege



SELFRIDGES&@@

Main Window Display, Oxford Street, London. UK

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VeggieRomance.com find your other half



food or macrobiotic, you'll find likeminded veggie singles here. Free <u>blogs</u> for all members & environmentally aware community. Whether your diet is fruitarian, vegetarian, vegan, raw friendships, finding pen pals and generally networking with the vegetarian, vegan and Veggie Romance is the place for vegan singles, vegetarian singles, vegetarian dating, an active forum. Network & connect with other vegetarian & vegan singles today.





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SAVE at least

your profit.

Paying more than you need to for card

INTO YOUR PROFITS

DON'T

Switch to HSBC Merchant Services and we will help you to save at least 10% on your

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payment processing!

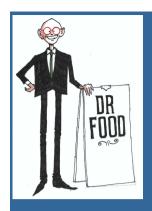
on your card

and to arrange an appointment with

a member of our sales team.

Catalation of 10% saving a larger catalation of the venturent most incord their mostly existing VMM and processing shells care, undicated and antihornals white highly to a 1 and processing the second and processing shell and processing

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@ProfDavidHughes

Consumer Blog: www.drfood.ca

Retail Blog: www.supermarketsinyourpocket.com

