



The World of Food Post-Covid: Implications for Agri-Food Businesses

Dr. David Hughes
Emeritus Professor of Food Marketing

Farm & Food Care Canada Winter Speaker's Series

Wednesday, February 24th, 2021



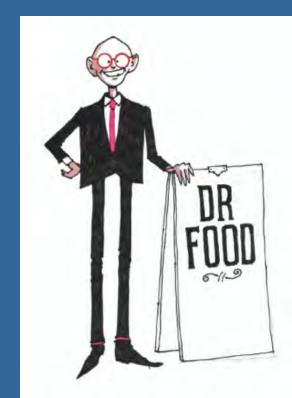






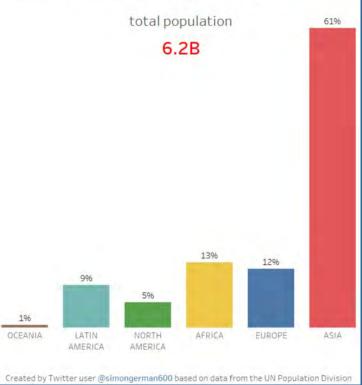


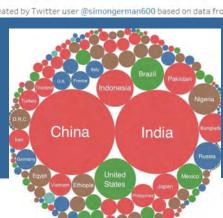
www.supermarketsinyourpocket.com

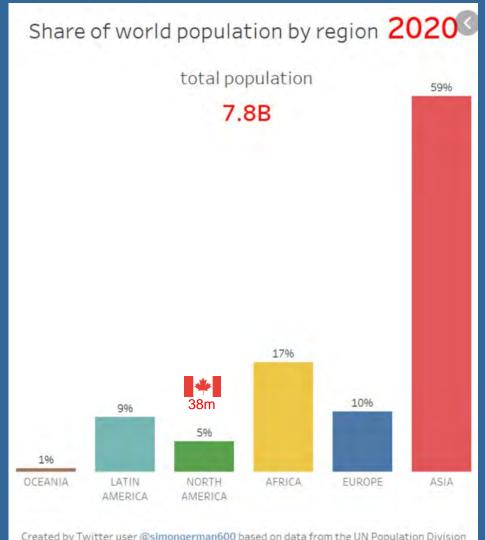


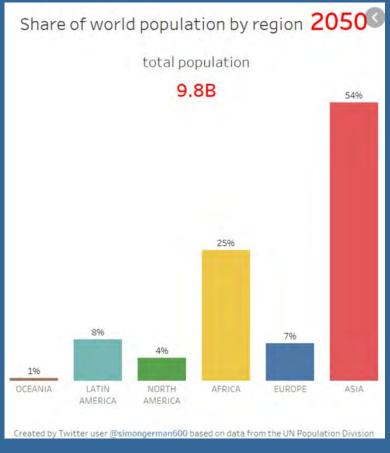
By 2050, 10 Billion People Will Live in Our World and

Share of world population by region 2000 80% of Them Will Live in Asia & Africa









Covid-19 Cases by July

Growing at a slower pace, world population is expected to reach 9.7 billion in 2050 and could peak at nearly 11 billion around 2100 (June 22nd, 2020)







What Did We Rush to Buy?

Comfort Food, Old Favourites,

Storables, Indulgent Snacks,























China Lily









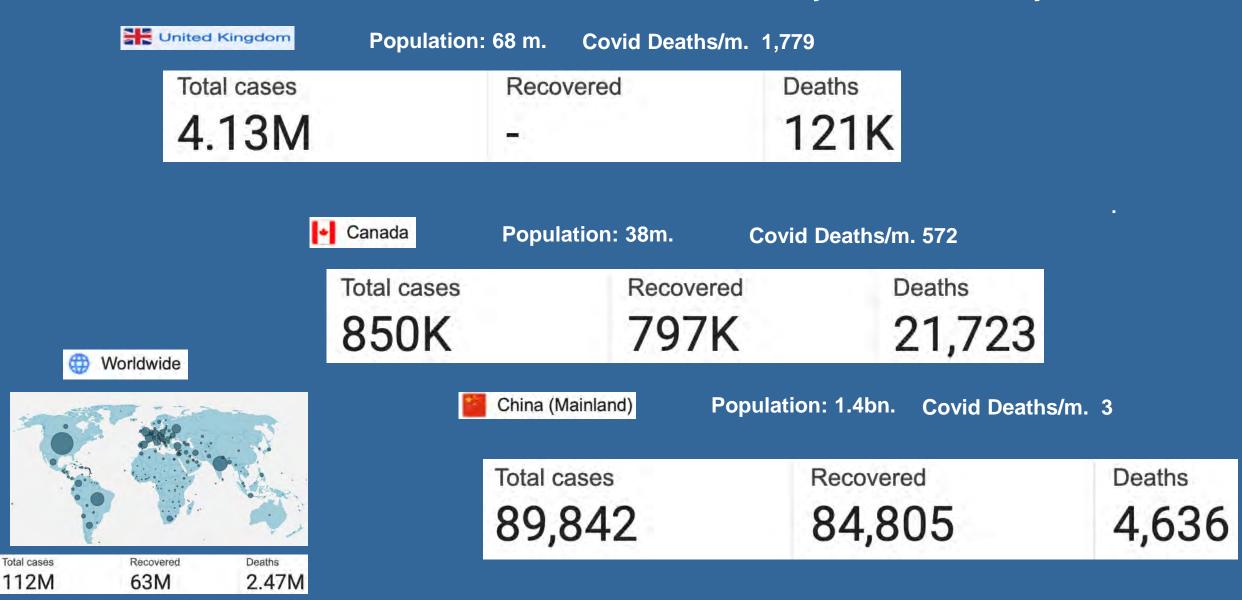




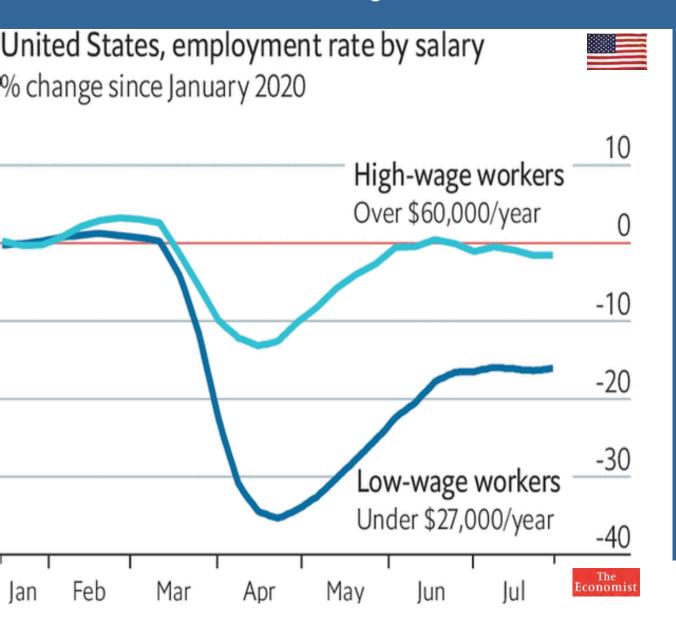




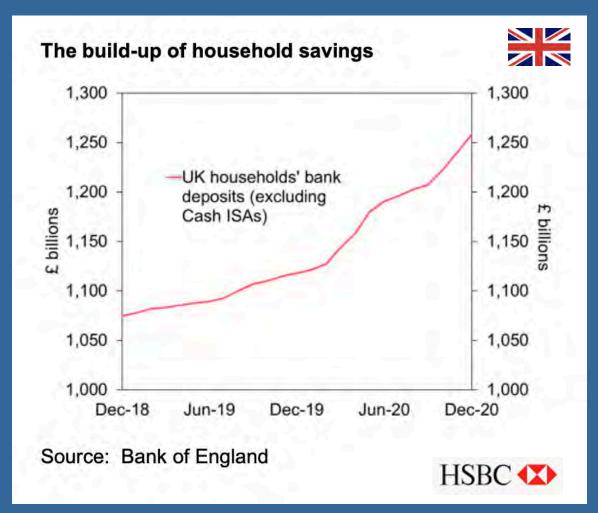
Covid-19 Cases & Deaths: UK, Canada and China, January 2020 to February 2021



In Many Countries Around the Globe, We've Been Seeing Polarisation of Markets. Covid-19 is Accelerating This Trend

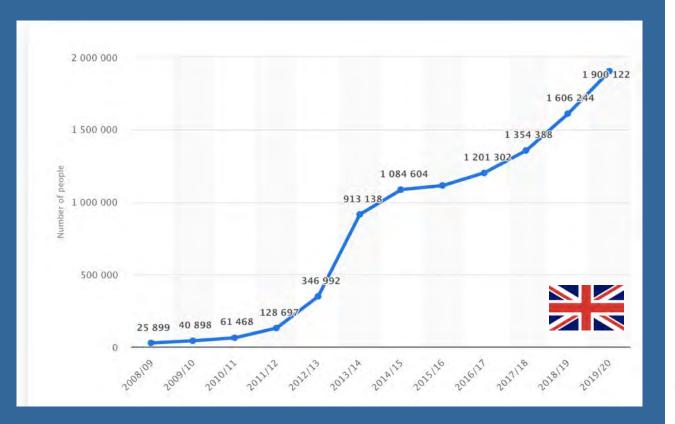


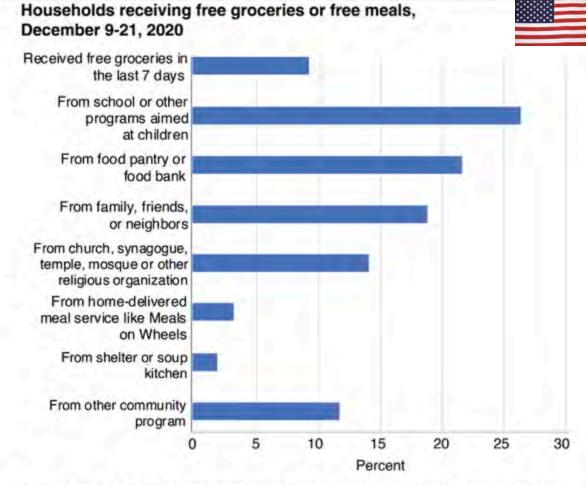
Some Higher Income Households Have Made Significant Savings During the Pandemic





Number of people receiving three days' worth of emergency food by Trussell Trust foodbanks in the United Kingdom (UK) from 2008/09 to 2019/20





Note: Provider totals for free groceries or meals may not sum to 100% as respondents were allowed to select more than one category.

Source: USDA, Economic Research Service using data from U.S. Department of Commerce, U.S. Census Bureau, Household Pulse Survey as of December 21, 2020.

New Normal: How COVID-19 could change Canada's grocery landscape forever Is online grocery the rising



Is online grocery the rising star on Canada's e-commerce horizon?

Ocado raises £1bn to continue investment in online grocery partnerships June 11th, 2020



Amazon's online grocery sales triple in Q2 as Prime spending swells

July 31st, 2020



...of Asian consumers are doing less grocery shopping in-store.

Source: Innova COVID-19 Report: Asia. Average of India, China and Indonesia

***** }

Alibaba GMV surpasses US\$1 trillion

May 25th, 2020

Grocery shopping online in China booms, even after stores reopen June 3rd, 2020



US online grocery sales surge to new record in April May 5th, 2020



Demand overwhelms grocery-delivery services in Malaysia, Singapore April 7th, 2020

UK online grocery sales likely to surge by a quarter amid lockdown May 5th, 2020





Ocado to raise \$1.3B as online grocery sales power ahead June 11th, 2020















Can Europe's restaurants survive the coronavirus lockdown? May 1st, 2020

Covid-19 Decimates Food-2-Go
Market in the UK November 2020







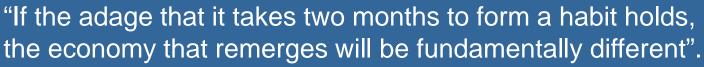


One million litres of milk discarded due to COVID-19, UK survey finds

Farmers Dump Milk, Break Eggs

as Coronavirus Restaurant Closings

Destroy Demand



consumers are anxious about dining out following COVID-19

"Food Service in Doldrums Until Vaccine"







U.S.

Coronavirus Forces Farmers to Destroy Their Crops

Amid pandemic, orders dry up; 'You don't want to see your crop rot and suffer'



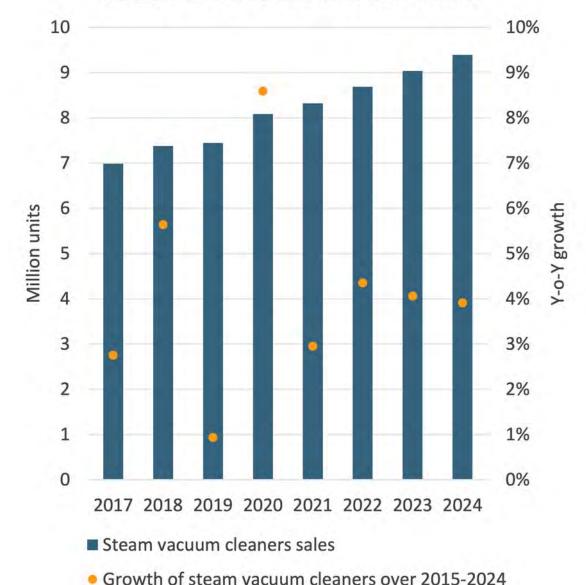
More or Less: Impact of Covid19 and the Food Industry

More			Less	
Work	At Home	Home Snacking	At Office	Urban Food-2-Go
	Home Meal Prep	Local Food-2-Go		Work Socialising
Shop	Online	Local Shops	Shopping Malls	Frequent Shopping
	Local Suppliers	Frozen Food Meal Kits	Household Income	Premium Foods Secondary Brands
	Trusted Brands	New Routes to Consumers	Short Shelf-Life Food	Food Waste
Play	Home Entertainment	"Big Night In" Pets	Out-of-Home Eating	Theatre, Cinema, Gyms
	"Eat Out In"	Creative Cooking, Cooking Videos		
Health	Home Healthy Eating	Home Cleaning Fresh/"Natural"	Unhealthy Food?!	
	Home Exercise	Gov. Regs on Health & Environment		
Trade	Food Security	Food Safety	International Trade	
Travel	Home Holiday		Foreign Travel	Domestic Business Travel

Safety Obsessed

Priorities shift to safety and hygiene

Global Sales of Steam Vacuum Cleaners





Uber buys Postmates in \$2.65B deal

July 6th, 2020



Just Eat Takeaway acquires Grubhub for \$7.3 billion to create largest food delivery firm outside China



June 10th, 2020

GRUBHUB







Accelerated Concentration in Restaurant Meal Delivery

> **Share of USA Online Delivery Platform Sales** as of October 2020 %



23*

Postmates

18** Grubhub

* Uber acquires Postmates

** Just Eat buys Grubhub



DoorDash valued at \$56 bn in Feb. 2021





form £6.2bn food courier giant

Just Eat and Takeaway.com cleared to











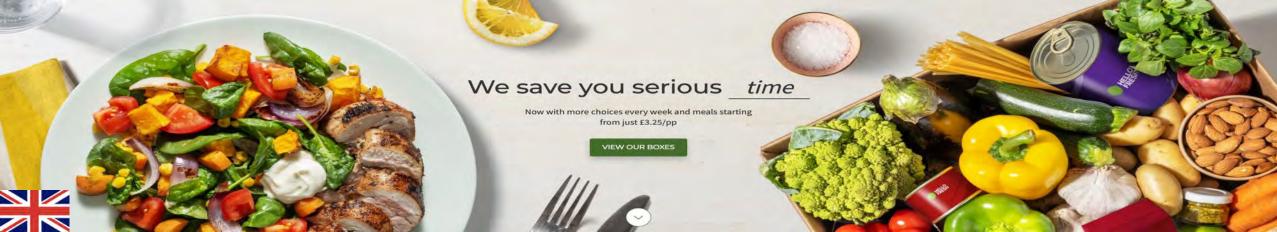


HelloFresh has agreed to buy Factor75, an Illinois-based firm that sells ready-to-eat meals oriented around health and wellness, according to a press release.

The transaction is worth up to \$277 million in cash, including \$177 million to be paid when the deal closes and \$100 million in the form of performance-based earn-out and management incentives.



HelloFresh Market Capitalisation: \$13bn





Nestlé acquires prepared meal service Freshly to compete with HelloFresh, Blue Apron

Freshly was founded in 2015 and is now shipping more than 1 million meals a week to people in 48 states













M&S

Valentine's Day Deal C\$35 per Couple

Rump steak with peppercorn sauce

21-day-matured tender rump steaks served with a tasty peppercorn sauce

Sirloin steaks with heart-shaped butter

21-day-matured juicy sirloin steaks served with a heart-shaped butter

Rack of lamb with mustard, honey and herb crust

Beautiful British lamb coated in a mustard, honey and herb crust

Plant Kitchen no-beef creamy peppercorn pie (Ve)

Pea protein in an indulgent peppercorn sauce, encased in flaky pastry and

The Notion of "Climate-Friendly and Planet-Friendly Diets" are Gaining Substantial Traction. Just Ask Your Children/Grandchildren!

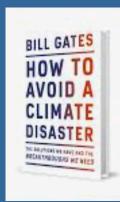




Global "Climate Change Strikes" Friday, September 20th, 2019

Student Climate Strikes Across Asia: "There Is No Planet







February 14th, 2020

February 14th, 2021

Youth climate strikes sweep Asia ahead of UN Climate Action Summit



September 2019



wrong direction' on climate crisis

Plant-based diets key in tackling climate change: UN report warns food systems must undergo significant change

The report also notes that food loss and wastage add up to US\$1 trillion each year August 9th, 2019

Davos 2020 urges dietary changes, sustainable supply chains and agri-food system transformation



January 23rd, 2020







European food must remain safe, nutritious and of high quality. It must be produced with minimum impact on nature.





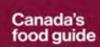
January 21st, 2020

Sustainability charge for meat debated in European Parliament as new report urges price hikes by 2022 January 31st, 2020

31 Jan 2020 --- The European Parliament will next week be presented with a plan to increase the price of meat across the EU to reflect its environmental costs, including CO2 emissions and biodiversity loss. The "sustainability charge" or fair-meat price

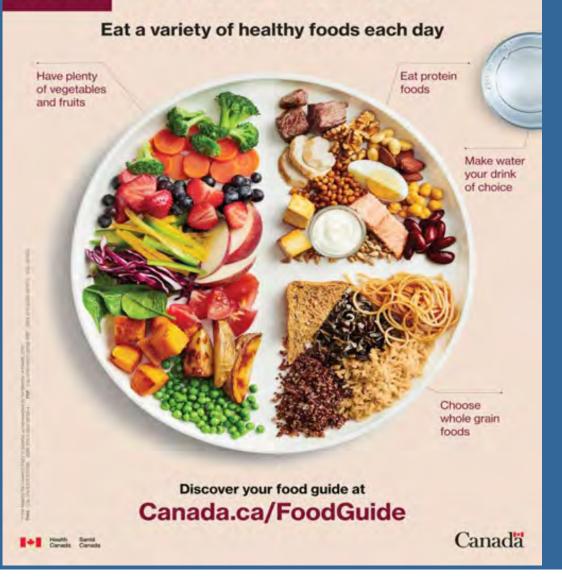








Eat well. Live well.



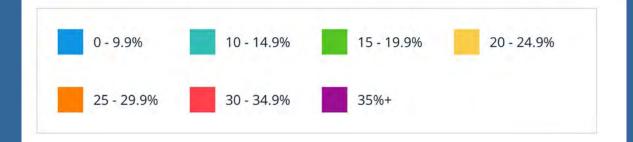
The Unequivocal Evidence that Obesity and Diabetes Increase Health Risks Associated with Viruses will Increases Governmental Pressure on Citizens to:

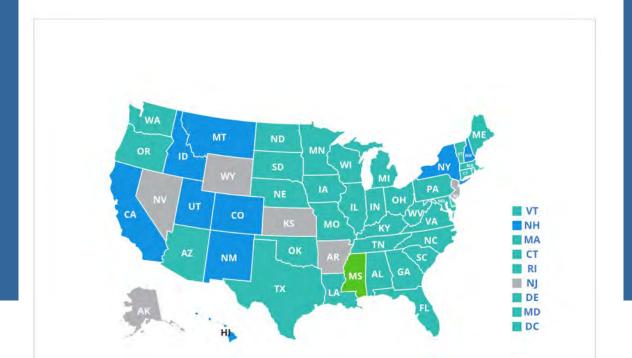
- Eat Less and Much More Healthier;
- and Exercise More.

We Shall See MORE Regulation on Health Issues Related to Food (moving on from Nudging to Taxing!)

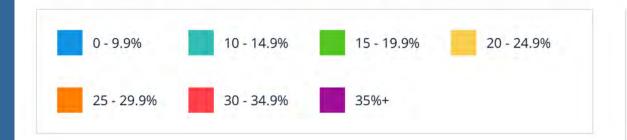


Select years with the slider to see historical data. Hover over states for more information. Click a state to lock the selection. Click again to unlock.



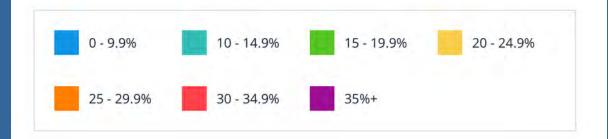


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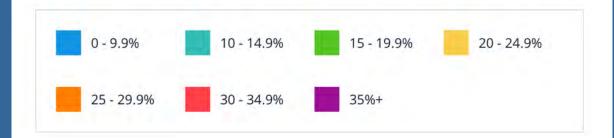


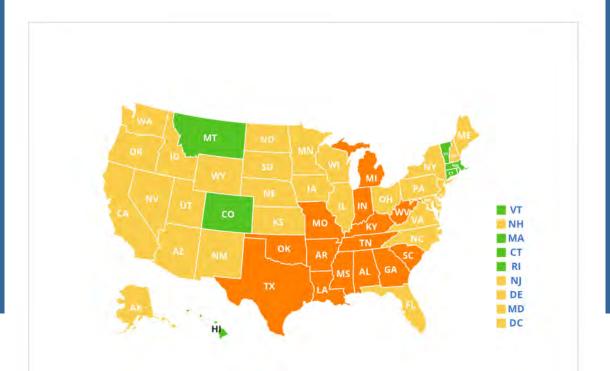
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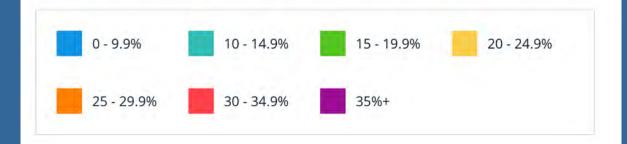


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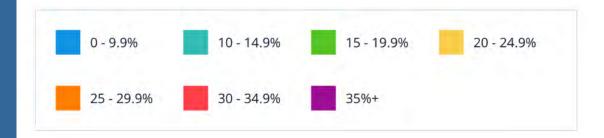


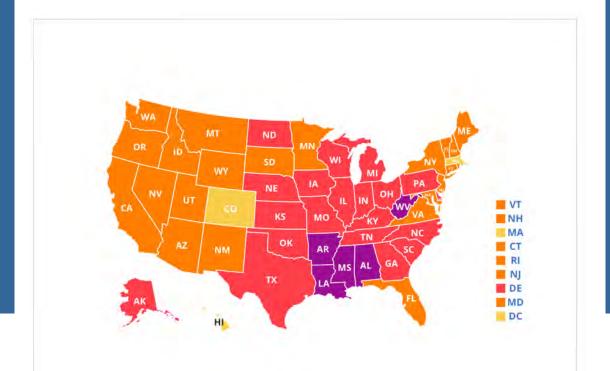
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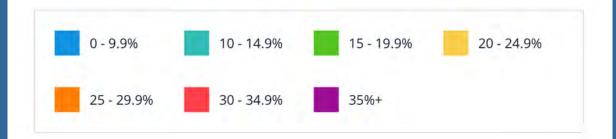
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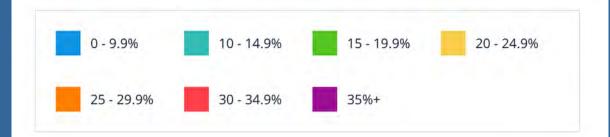


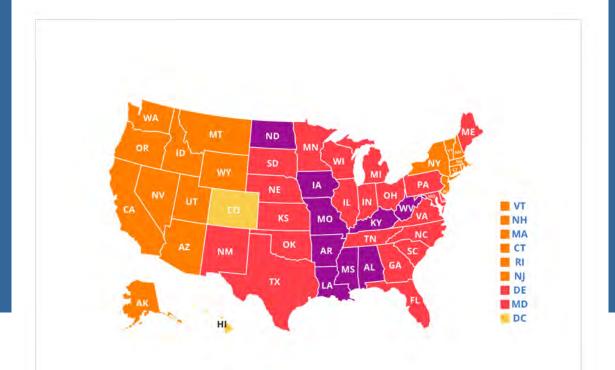
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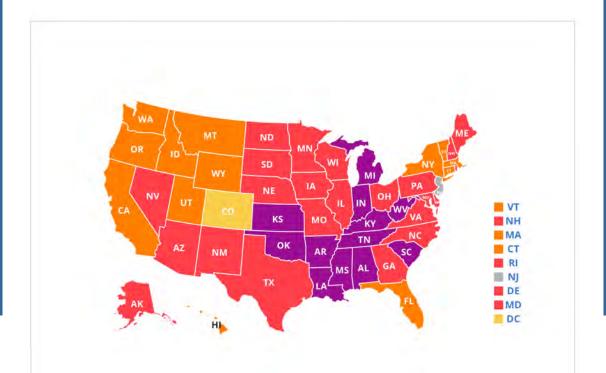
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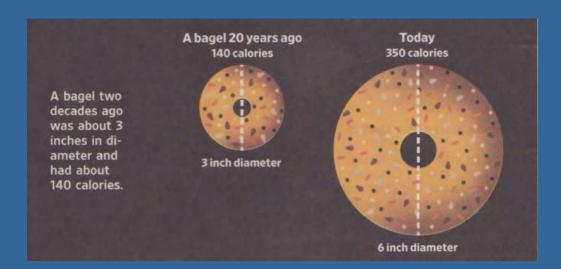
Youth Obesity Rate Ages 2-19, 2017-2018

19.3%

Adult Obesity Rate Age 20+, 2017-2018

42.4%





Percentage of daily calories consumed away from home

1977-78

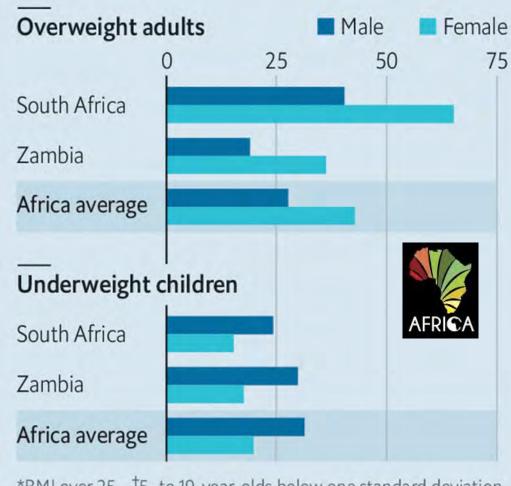
2017-18

32



The unhappy median

Overweight adults* and underweight children[†] 2016, % of total



*BMI over 25 [†]5- to 19-year-olds below one standard deviation from the median BMI-for-age of the WHO growth reference

Source: Global Nutrition Report, 2020

The Economist

January 2021



From April, UK grocers will be banned from putting foods high in fat, salt and sugar on multi-buy promotions, the country's government has confirmed.

The move, put forward by the Government last summer, will prohibit promotions such as 'buy one, get one free' or '3 for 2'.

Under the new rules, retailers will also no longer be able to put "unhealthy promotions" in prominent locations such as checkouts and store entrances. The curbs would also cover online, including on the homepage and checkout pages of websites.





ENERGÍA CON EL SABOR QUE LES ENCANTA

Protejamos su salud, no la comida chatarra



Chile's drastic anti-obesity measures cut sugary drink sales by 23%

Experts welcome example of nation once drinking more per head than any other

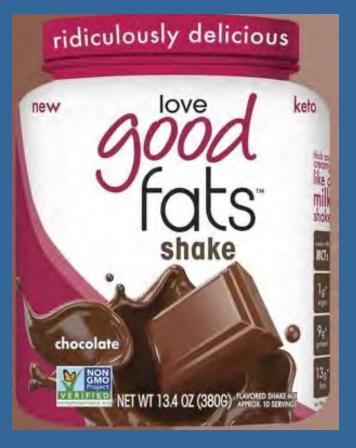






HCC Press Release: Stunning Outcome Admidst COVID-19 As Mexico and Chile Deliver Healthy Results on Policies for Front of Package Labelling on Packaged Foods and Beverages

A Bans of crisps, with warnings on calories and sodium level, on sale at a street stall in Santiago. Ch



Love Good Fats raises \$10.7m in equity funding October 16th, 2020











Health and environmental impacts of various foods

- Emphasized foods
- Optional foods
- Limited foods

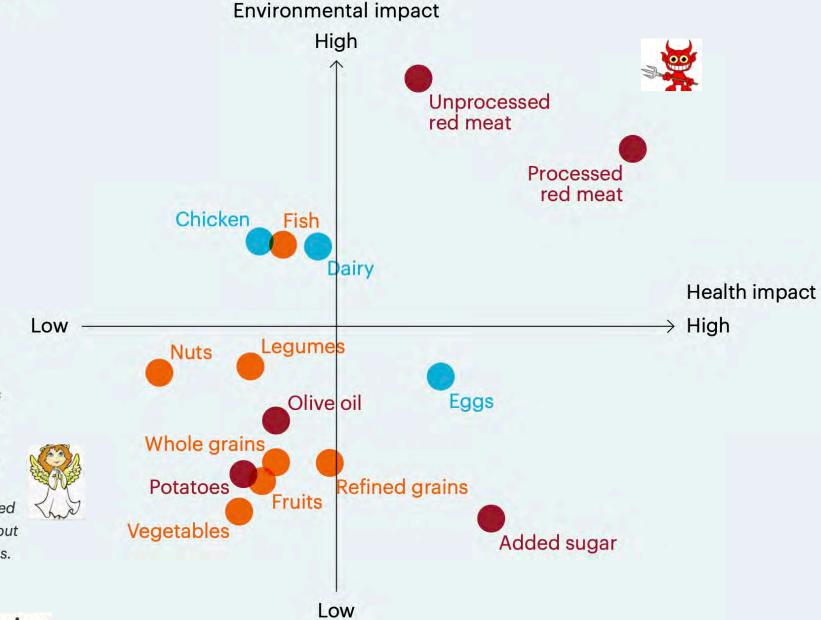
Diets for a Better Future:

Rebooting and Reimagining Healthy and Sustainable Food Systems in the G20

Figure 4.

The health and environmental impacts of various foods. Overconsumption of red and processed meats increases the risk to both human health and the environment. Plant foods tend to be good for both people and planet. Added sugar is a major driver of poor health but has much lower environmental impacts.

Source: Clark et al. (2019).17



Source: EAT-Lancet Commission July, 2020

Plant-based diets crucial to saving global wildlife, says report February 3rd, 2021

Vicious circle of cheap but damaging food is biggest destroyer of nature, says UN-backed report



▲ More than 80% of global farmland is used to raise animals, which provide only 18% of calories eaten. Photograph: Alamy

The global food system is the biggest driver of destruction of the natural world, and a shift to predominantly plant-based diets is crucial in halting the damage, according to a report.

Relentless Release of Research on **Need for "Climate-Friendly" Diets**





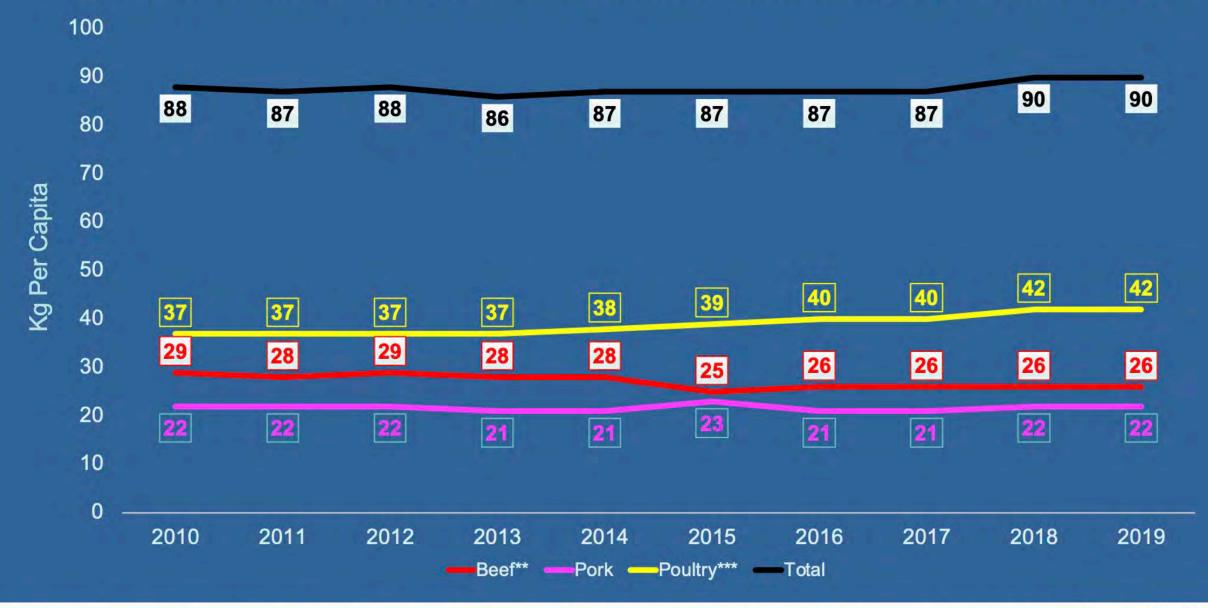


Food System Impacts on Biodiversity Loss

Three Levers Recommended:

- Change diets (i.e. more plant-based);
- Leave more land for nature;
- Farm more sustainably.

Canada Per Capita Disappearance of Meat* 2010-2019, Kg Carcass Weight



g veal *** chicken, fowl, turkey

Impossible Foods raises \$500M to invest in the future and expand March 16th 2020





Lead Investor







Investments in Plant-Based Meats:

Impossible Foods \$1.5bn



Beyond Meat \$450m



May 2019

Beyond Meat goes public with a bang







Beyond Meat set to make China retail bow



July 1st, 2020

Beyond Meat expands production capabilities in the Netherlands June 11th, 2020



Starbucks China launches plant-based menu with Beyond Meat, Oatly, Omnipork April 21st, 2020

Asia pivots towards plants for protein as coronavirus stirs meat safety fears





Growing Interest in

Plant-Based Meats



May 20th, 2020

Nestlé to build its first plant-based food facility in China

Starbucks expands plant-based range in Asia Pacific September 8th, 2020

Beyond Meat inks deal to open production facility in



KFC Will Be Selling Plant-Based Chicken **Nuggets In China Next Week April 21st, 2020**

Cargill planning plant-based expansion in China after KFC April 30th, 2020 trial

UK giant Unilever bets on vegan food with 'scary target' November 2020



One of the UK's biggest consumer goods firm is betting on more people eating vegan food and has set itself a "scary target" to increase sales.

Unilever wants to increase its annual sales of plant-based meat and dairy products five-fold within seven years, hitting €1bn (£900m) by 2027.

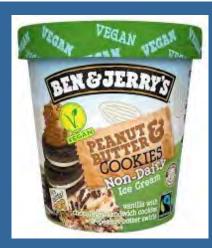
Unilever's The Vegetarian Butcher expands plant-based Whopper roll out in Latin America, the Caribbean and China January 6th, 2021

The company is betting on growing its plant-based meat brand The Vegetarian Butcher, which it acquired two years ago, and now sells in 30 countries.

It's through this brand that Unilever supplies Burger King's plant-based Whopper in 26 countries, with the fast-food chain having plans to sell its plant-based nuggets.

Unilever also wants to push its vegan dairy ranges, which include Vegan Ben & Jerry's ice cream, Magnum Vegan, Vegan Cornetto, and Hellmann's Vegan mayonnaise.



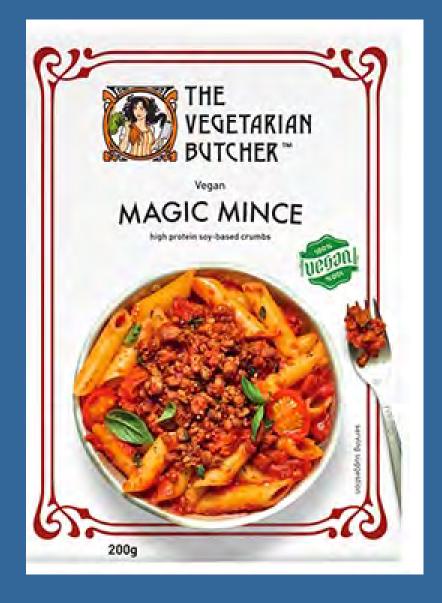


In the UK, there has been exponential growth in vegan food sales with sales of meat-free products in the UK up from £488m last year to £577m this year, according to analyst firm Kantar.







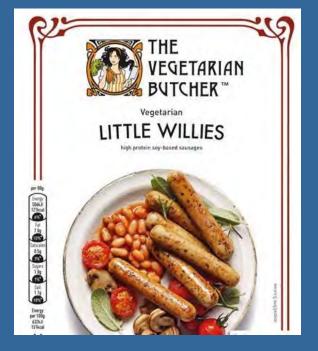


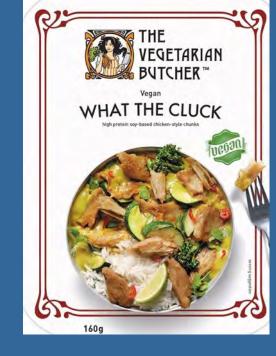


Tesco Medium Beef Roasting Joint With Basting Fat



Tesco Diced Beef 600G







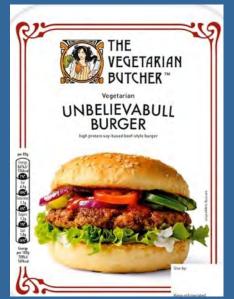




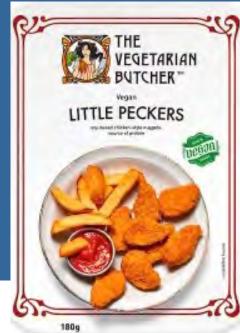
Tesco Small Beef Silverside Roast Joint 500G



Tesco Beef Brisket







Unilever Products are Consumer-Focused and Reflect Demand Pull Whereas, Often, Red Meat Products are Production-Led and Driven by Supply Push



3D meat printing: Aleph Farms unveils "thicker cut" cultivated ribeye steak February 10th, 2021





10 Feb 20201 --- Aleph Farms and its research partner at the Faculty of Biomedical Engineering at the Technion – Israel Institute of Technology have cultivated the world's first slaughter-free ribeye steak, using three-dimensional (3D) bioprinting technology. It's a "thicker cut" version of the world's first thin-cut steak that they have previously developed.

The Israeli food-tech company has developed the natural building blocks of meat – real cow cells, without genetic engineering and immortalization. Unlike conventional 3D printing technology, Aleph Farms' 3D bioprinting technology is the printing of actual living cells.











Cell-Grown Leather: A Prospective Disruptor of the Meat Industry



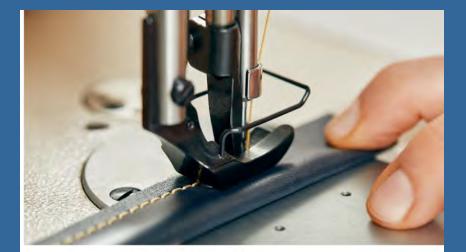
EMPOWER INNOVATION

Inspired by the attributes of leather, we enable brands and designers to continue the journey toward the future of materials.



BUILD WITH BIOLOGY

By unlocking the power of nature, biofabrication represents a fundamentally new approach to constructing materials.



OUR FIRST BIOFABRICATED MATERIAL: ZOA^{**}







Lots of Horsepower in Oats So, "Big Food" Piles In!



dairy free
Oat

ACTIVIA
PROBIOTICS











Nestle to launch rice-based vegan KitKat

February 16th, 2021





Nestle is to introduce its first vegan KitKat option – dubbed KitKat V – this year, addressing the increasing demand for plant-based confectionery.

"One of the most common requests we see on social media is for a vegan KitKat," said Alexander von Maillot, head of confectionery at Nestle.

According to the company, KitKat V is certified vegan, and made from 100-per-cent sustainable cocoa sourced through the Nestle Cocoa Plan in conjunction with the Rainforest Alliance. It will be the first chocolate made entirely from the cocoa fruit.



Canada's Three Farmers Foods gets investment

Three Farmers Foods, a Canadian SME supplying packaged lentil and chickpea products to grocers including Loblaw, has secured investment from a local fund and Canada's export credit agency.







HUGE Opportunity for Canada in Plant-Based Foods



General Mills and GoodBelly partner to launch probiotic cereal, yogurt

GoodBelly Penul Butter Crunch

SoodBell SoodBelly CodBelly

SoodBell SoodBell SoodBelly







Mars snaps up remainder of US snacks maker Kind





meet Daniel



Daniel Lubetzky is our founder and CEO. But he's also a little bit more than that. He's a champion of not-just-for-profit business. He's a visionary social entrepreneur. on a mission to build bridges between people. And he's also the author of the New York Times bestseller Do The KIND Thing.

LEARN MORE AND GET INSPIRED

November 18th, 2020



communities

We believe when you feel good inside, you want get out and do good outside. So we use our bars to inspire acts of kindness. To foster communities.

And to fuel our movement.



Mondelez Agrees to Buy Rest of Paleo Chocolate-Bar Maker Hu



Maker of Oreo cookies and Ritz crackers has been adding to its snack portfolio as consumers' tastes turn toward healthier fare

January 5th, 2021





Mondelez takes minority stake in Hu through SnackFutures program

April 19th, 2019





Reebok Has a Plant-Based Performance Running Sneaker Coming Soon — With Some Veggies on the Side September 23rd, 2020





Reebok is set to deliver a USDA-certified, plant-based sneaker in the performance-focused run category.

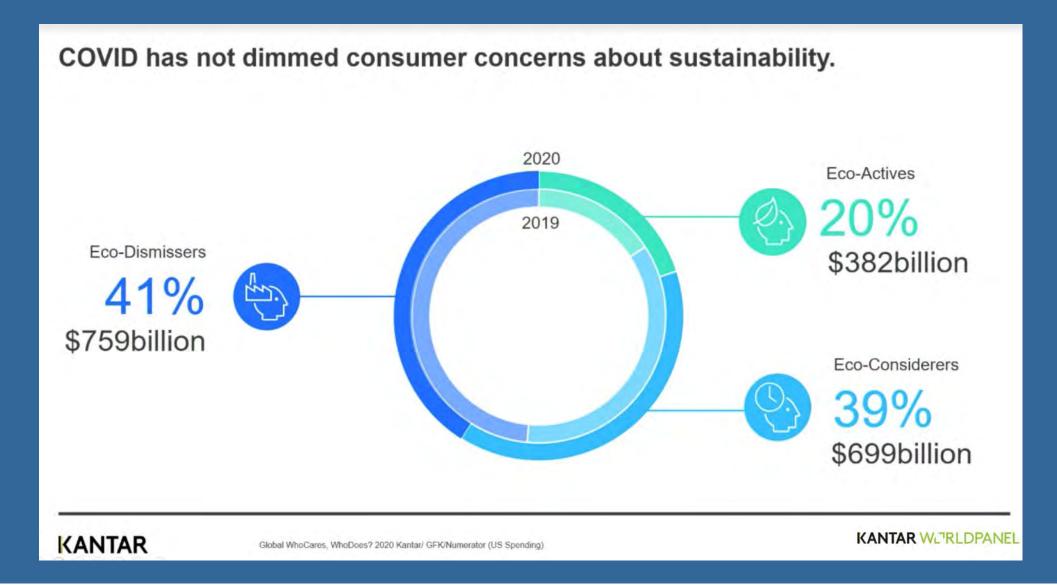
The athletic brand announced today that it will launch the Forever Floatride Grow next month, an athletic shoe crafted with breathable eucalyptus tree uppers, midsoles made from sustainably-grown castor beans, odor-fighting Bloom algae foam sock liners and real rubber tree outsoles.





Formula 1 champion Lewis Hamilton has revealed that his beloved British Bulldog Roscoe is thriving on a vegan diet

Globally, Eco-Actives and Eco-Considerers on the Rise. Eco-Dismissers Shrinking!













New store in Sweden prices goods based on carbon emissions October 2nd, 2020

In a world first, major Swedish food brand Felix has launched its own grocery store where products are priced on their climate impact: the more the carbon dioxide emissions, the higher the price.















Imperial College







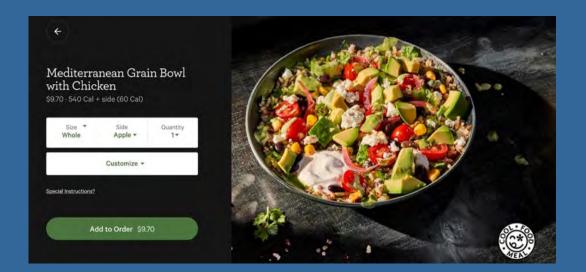
Low Carbon Cool Food Meals

At Panera we believe you don't have to choose between absolutely delicious food and food that is good for the planet. We can have a positive impact on the climate simply by what we put on our plate. To help, Panera is labeling Cool Food Meals—meals with a lower carbon footprint.

Reduce your carbon footprint with Cool Food Meals.

Our planet is getting warmer and this is having a lasting negative impact on our communities and the world. Climate change is caused by the production of harmful greenhouse gases that trap heat and warm the planet. Approximately 25% of these gases result from agriculture and related food production, or simply, what it takes to grow, make and transport the food on your plate.¹





Chipotle Launches Tool to Tell You the 'Foodprint' of Each Ingredient

October 27th, 2020



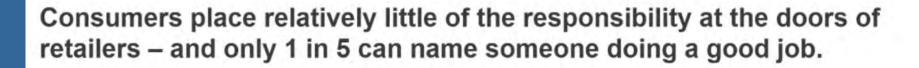
Grocer

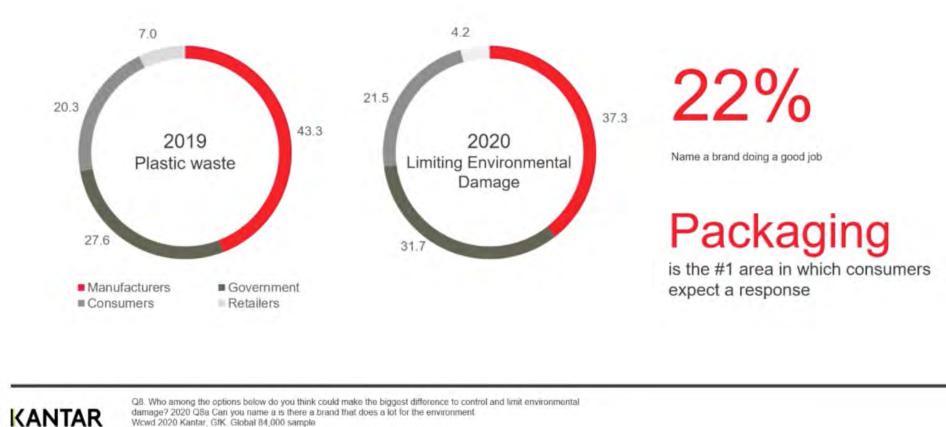
December 2nd, 2020



Mandatory carbon labelling: suppliers brace for legislation

Consumers Think Food & Drink Manufacturers Bear Most Responsibility for Environmental Issues Most Struggle to Name a Company Doing a Good Job!





damage? 2020 Q8a Can you name a is there a brand that does a lot for the environment Wowd 2020 Kantar, GfK, Global 84,000 sample



PepsiCo targets 100% recycled plastic bottles for Pepsi brand by 2022 December 2nd, 2020



Digital watermarks: PepsiCo, Nestlé, and Unilever back sorting tech for packaging recycling September 2020



Frugalpac UK Paper Wine Bottle

Nature Valley makes recyclable wrappers for granola bars





Nestlé Goes Paper on Confectionery





These new McDonald's trays are made from food waste

At franchises throughout Latin America and the Caribbean, you'll now get your food served on an innovative new material.



Nespresso pledges to be carbon neutral by 2022







September 18th, 2020

- Make a Promise
- Explain the Journey
- Report on Progress
- Deliver on the Promise

Coffee brand Nespresso has pledged to create carbon-neutral cups of coffee by 2022, the next chapter in what has already been a decade-long program to reduce its carbon emissions.



JBS among meat firms linked to slavery-tainted ranches in Brazil

January 5th, 2021



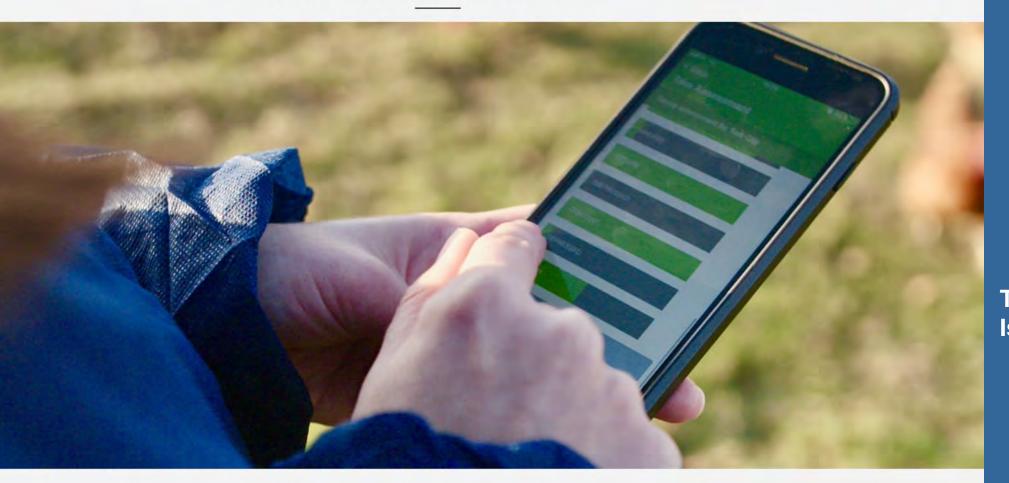


Social Pressures Dictating Choice Remind Me Again What We **Can't** Eat?:

- Anything with palm oil as an ingredient
- Chicken (eggs) fed soy from Brazil
- Fish that is unsustainably sourced
- Any meat/milk with hormones/antibiotics
- Food produced with slave labour
- Crops that have ravaged the soil
- Water-intensive crops
- Eggs produced by hens in cages
- Eggs produced with chick culling
- Beef that has destroyed the Amazon
- Pork from pigs confined in stalls
- Anything in a non-recyclable pack

Post-Covid, What are the Major Social Issues which will Disturb Growth in Your Food & Drink Markets?

A BETTER LIFE FOR ANIMALS







On Animal Welfare
The Direction of Travel
Is Only Going One Way

Pioneering mobile app measures emotional wellbeing of animals

At Waitrose, we put welfare first. But we always want to do better, which is why we're trialling an app to measure how farm animals are feeling.

The technology, which was featured on the BBC's Countryfile, is designed to help us understand and recognise how animal behaviour is connected to emotional wellbeing. Ultimately, the data will improve their quality of life, and raise welfare standards across the UK.

Imperial College London

SUPERMARKET PORK AT RISK OF FUELLING DEFORESTATION

UK retailer M&S swaps soy feed in milk supply chain with 'high performing' alternatives October 6th, 2020









Leading UK retailer, M&S, said it has now eliminated soy from the production of all its milk as part of its commitment to end deforestation.





RISKY BUSINESS

July 2020





British poultry are normally fed soy grown on deforested land, but an environment-friendly alternative is available



Barilla Eliminates Palm Oil From Over 50 Mulino Bianco





Unilever unveils deforestation-free supply chain promise





December 22nd, 2020

Consumer goods giant Unilever has promised to eliminate suppliers who are linked to deforestation in the production of palm oil, soy beans and packaging as part of a broader commitment to addressing climate change.

The multinational – one of the world's largest buyers of palm oil – says it will demand ethical and sustainable transparency from its suppliers.

The company said it wants visibility on exact sourcing locations and will no longer rely on the so-called 'mass balance system' which does not allow for accurate verification of deforestation-free sourcing of derivatives from commodities.

Unilever has also teamed up with Google Cloud to capture satellite images of the forests, biodiversity and water cycles that intersect the company's supply chain, a partnership which, according to the company, will help raise its sustainability standards and allow it to see a more complete picture of the ecosystems connected to the raw materials the company sources from around the world.





Unilever promises living wage across value chain and €2bn towards diversity January 21st, 2021

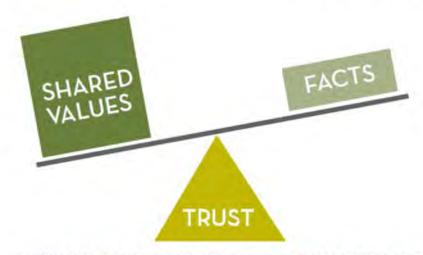
Unilever's latest pledge will ensure that people who directly provides goods and services to the company will earn at least a living wage or income – which it defines as one that covers a family's basic needs and that breaks the cycle of poverty.

While Unilever claims it already pays its own employees at least a living wage, it wants to secure the same for more people beyond its own workforce, specifically focusing on vulnerable workers in manufacturing and agriculture.



It's simple: when it comes to building trust, connecting through shared values is the first step.

- 2016 Canadian Public Trust Research



Leading with shared values is 3-5x more important to building trust than sharing facts or demonstrating technical skills/expertise Understanding Consumer Values (which are often amorphous)
Critical for ALL in Food Supply Chain





Taste & Convenience ALWAYS Trump Health!

Servings

alories	220	Calories from Fat
otal Fat 3.5g		

 Saturated Fat 2g
 10%

 Trans Fat 0g
 2

 Cholesterol 5mg
 2%

 Sodium 530mg
 22%

 Total Carbohydrate 39g
 13%

 Dietary Fibers 1g
 4%

 Sugars 5g
 9

 Protein 7g
 Vitamin A

 Vitamin C
 0%

 Calcium
 15%

* Percent Daily Values are based on a 2000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

	Calories:	2,000	2,500
Total Fat	Less than	65g	80g
Saturated Fat	Less than	20g	25g
Cholesterol	Less than	300mg	300mg
Sodium	Less than	2,400mg	2,400mg
Total Carbohydrate		300g	375g
Dietary Fiber		25g	30g

"Big Food" has had an Exceptional Sales Bonanza During Covid-19

Score: 8.8/10

In the end, the classic macaroni and cheese brand took the crown. That's right, your standard box of Kraft is really the best packaged mac and cheese out there! Costing less than a dollar a box, we're not complaining!

Ingredients

ENRICHED MACARONI PRODUCT (WHEAT FLOUR, GLYCERYL MONOSTEARATE, NIACIN, FERROUS SULFATE [IRON], THIAMIN MONONITRATE [VITAMIN B1], RIBOFLAVIN [VITAMIN B2], FOLIC ACID); CHEESE SAUCE MIX (WHEY, MILK, CORN SYRUP SOLIDS, MILKFAT, PALM OIL, MODIFIED FOOD STARCH, MILK PROTEIN CONCENTRATE, SALT, MALTODEXTRIN, CONTAINS LESS THAN 2% OF CALCIUM CARBONATE, SODIUM TRIPHOSPHATE, MEDIUM CHAIN TRIGLYCERIDES, DRIED BUTTERMILK, SODIUM PHOSPHATE, CITRIC ACID, CREAM, LACTIC ACID, CALCIUM PHOSPHATE, CHEESE CULTURE, NONFAT DRY MILK, GUAR GUM, WITH PAPRIKA, TURMERIC, AND ANNATTO ADDED FOR COLOR, ENZYMES, NATURAL FLAVOR, XANTHAN GUM); MODIFIED FOOD STARCH, MALTODEXTRIN, POTASSIUM CHLORIDE, ACETYLATED MONOGLYCERIDES, SALT, MEDIUM CHAIN TRIGLYCERIDES.

INNOVA MARKET INSIGHTS

Top Five Trends for 2021

Trend 1. Transparency Triumphs

A clear winner: brands are upping their transparency game to meet evolving consumer demands

Trend 2. Plant-Forward

Mainstream appeal for "plant-based" is driving expansion to more market categories and regions

Trend 3. Tailored to Fit

Personalized nutrition is in the spotlight as consumers look for food and beverage that fit their unique lifestyles

Trend 4. New Omnichannel Eating

As foodservice and retail domains overlap, consumers can eat what they want, when and where they want it

Trend 5. In Tune with Immune

Ongoing anxiety stemming from COVID-19 will continue to push consumers toward prioritizing their immune health

INNOVA MARKET INSIGHTS



Consumers can trace coffee beans through new blockchain app January 6th, 2020



Credit: Coffee cup to go

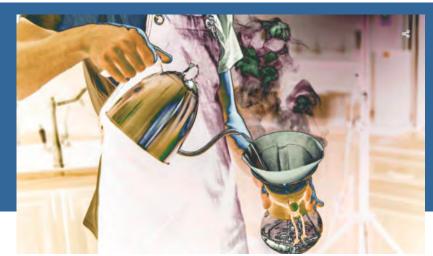


LEADING BRANDS IMMERSE PEOPLE IN THE STORY



ORIGIN GIVES
REASSURANCE OF
QUALITY AND SAFETY

Tech Giant IBM Unveils 'Thank My Farmer' App for Coffee Drinkers





Mars teams with NSIP for 100% sustainable cacao supply chain January 9th, 2020

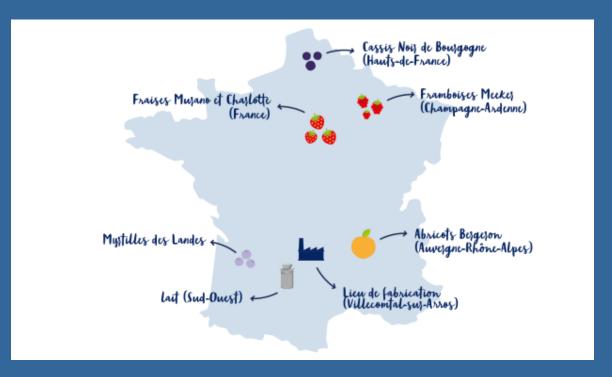






Imperial College London







MOUNTAIN FARMERS HEUMILCH







100% mountain farmer hay milk makes the difference

The production of hay milk is the most original form of milk production. For us, the quality of the hay milk starts with the feeding of the cows. For centuries, dairy cows have been fed according to the seasons: in summer our farmers drive the cows to the pastures or the cows come to the alpine pastures for summer refreshment.

The meadows are mown, the grass is dried and the hay obtained in this way is stored in barns for the cold season. The hay industry also has a positive effect on nature. Mowing and grazing promotes great biodiversity.



The Margin is in the Adjectives NOT the Nouns!

Imperial College London **OmegaQuant** launched a blood sample collection kit that allows consumers to test vitamin D levels at home. The test requires a prick of the finger and a couple of drops of blood for analysis, similar to OmegaQuant's range of omega 3 blood tests. Research continues to bring to light the crucial role vitamin D likely plays in a variety of health issues, ranging from cardiovascular disease to immune function and obesity.





London



你的身体在(2你



Customizing superfood drinks: Nestlé's NesQino reinvents personalized "good for you" beverages April 2020

Three Base Sachets:

- Smoothie
- Milk shake
- Oat shakePlus "superfood" stuff!









Imperial College London





You've Got to be Careful Selling Special Food to Old Folk: Lots of Old Folk Don't Think They're Old Folk!

54%

of global consumers say that, due to COVID-19, they have spent time educating themselves on ingredients and procedures that can boost their immune health





"Which elements do you find most important to achieve immune health?"

. Getting enough sleep

2. Being healthy physically

Choosing foods naturally high in nutrients (vitamins, minerals, antioxidants)





Imperial College London

PepsiCo wants to help the caffeinated masses get better sleep with its new relaxation drink

Say hello to Driftwell. The perfect nighttime antidote to . . . soda?

September 2020



[Photo: PepsiCo; rawpixel]

nootropic

/ neue treupik, neue tropik/

adjective

(of a drug) used to enhance memory

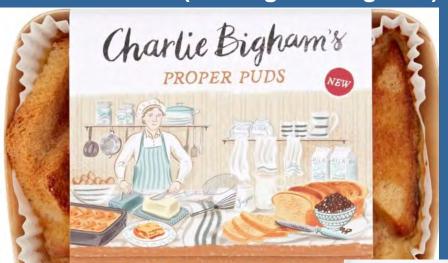
or other cognitive functions.

Natural nootropic drinks for better focus and productivity.



My Choice!



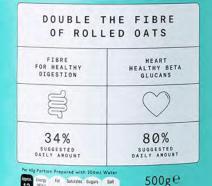


BREAD & BUTTER PUDDING













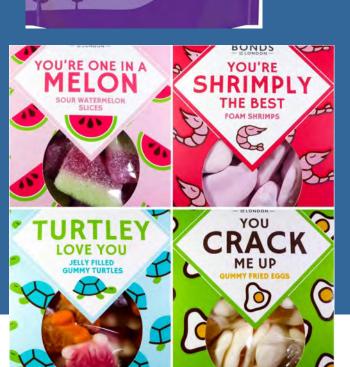




Egg-Free (Aquafaba)



- Vegan
- -Free
- Oats
- Nostalgia
- Home Baking
- Indulge



Creative Nature

Vegan | Gluten-Dairy-Nut-Safe SERVES 16





Join us for

Ice Cream for Breakfast

Jeni's Central West End 389 N. Euclid Ave.

Saturday, Feb. 2 9 am – noon

100% of all profits will benefit She Should Run,

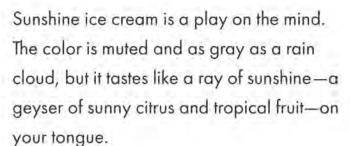
a nonprofit committed to getting 250,000 women to run for elected office by 2030.







SUNSHINE



When we were creating this flavor earlier this year, inspired by Depressed Cake Shop and in honor of Mental Health Awareness Month, we had no inkling this is what the world would look like. We thought about not releasing it, but then realized that while the world has changed, the message is still the same. That when gray clouds descend on our lives, the sun always shines again.





Purpose/Values/Mission Marketing: Building an Empathetic Link with Your Consumers

















HOW IT WORKS

Every time you make a purchase, we send a packet of life-saving food to a child in need.

THIS SAVES LIVES.







Danone sets out stall to become better corporate citizen

Danone restructures business to become "local-first"

May 20th, 2020

November 27th, 2020

Danone has announced new cost saving targets, up to 2,000 staff cuts and plans to reshape into a "local-

geographical areas rather than product categories. The move to "reinvent itself" will reportedly enable

first" company, as part of its efforts to become a more efficient organisation in a post-Covid world.

The owner of Activia and Alpro is shifting from a category-led to local organisation, focusing on

Danone announces it's to become "enterprise à mission" company whose purpose & objectives in the social and environmental fields set out in its articles of association. Annually, Danone's performance will be measured by an Independent auditor on:

- Consumer health & nutrition
- Water
- Agriculture
- Biodiversity
- Packaging
- Social innovation
- People & social matters

Danone's Mission: To bring health through food to as many people as possible.





NECESSARY CHANGES IN THE FOOD SYSTEM

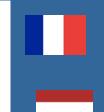
Source: Rabobank 2020







Regenerative agriculture for dairy: Danone leads alliance with DSM



The alliance, Farming for Generations, is convinced that agriculture is a solution to making the food system Sustainable

June 27th, 2019

We will advance regenerative agriculture on 1 million acres of farmland by 2030.





Cargill joins regenerative agriculture movement, sets goal for 10 million acres

September 16th, 2020

Company says it will help farmers convert farmland to regenerative practices.

Big Food Turning to Regenerative Agriculture to Meet Sustainability Goals and Satisfy Concerned Stakeholders





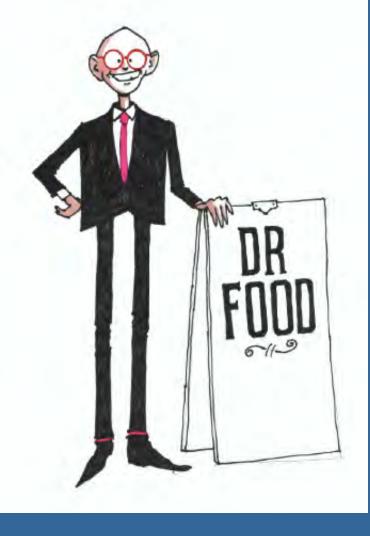


McCain Foods unveils raft of sustainable agriculture pledges July 14th, 2020

McCain Foods invests in Farms of the Future initiative

This program will collaborate with universities, technology companies and other agri-centric companies on dedicated commercial farms that will pilot regenerative potato farming practices and emerging agriculture technologies.





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