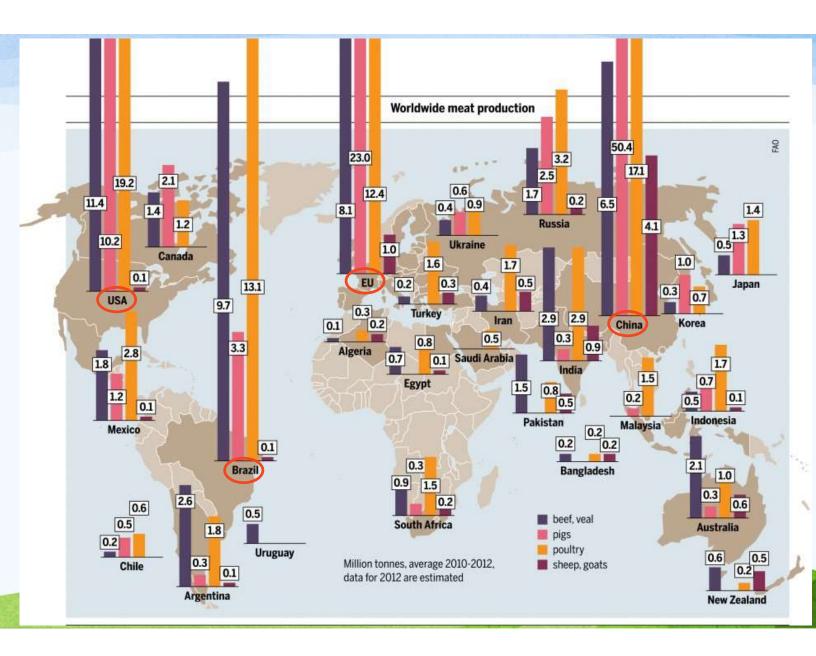
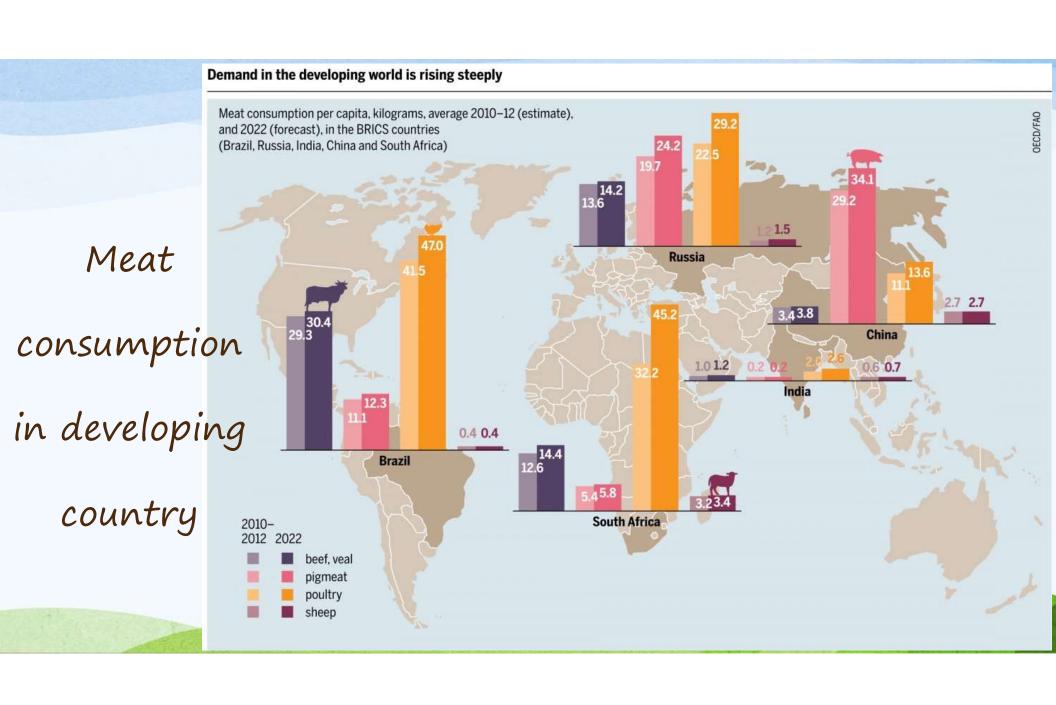


Meat Atlas - Facts and figures about the animals we eat

- Place of Publication: Berlin
- Date of Publication: January 2014 (Secondary edition)
- · Heinrich Böll Foundation
- https://www.boell.de/en/2014/01/0 7/meat-atlas
- · Free download

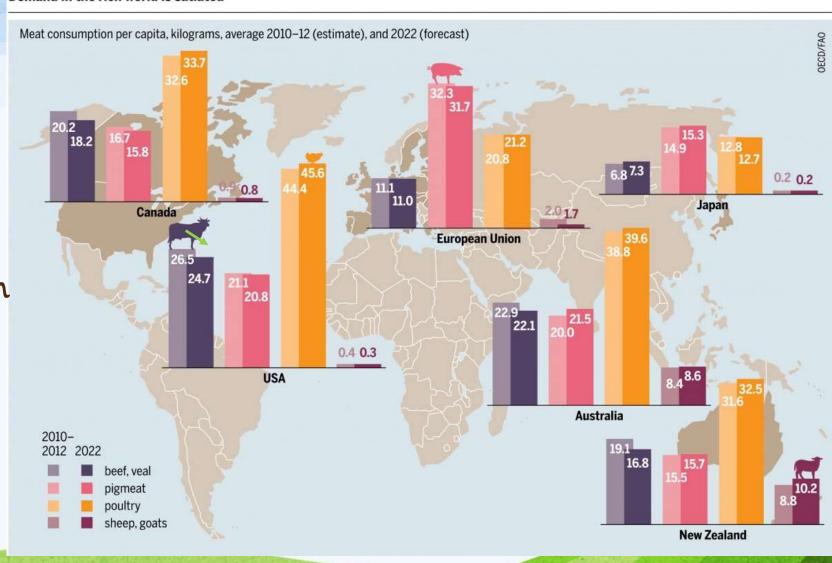
Meat
production
around the
world

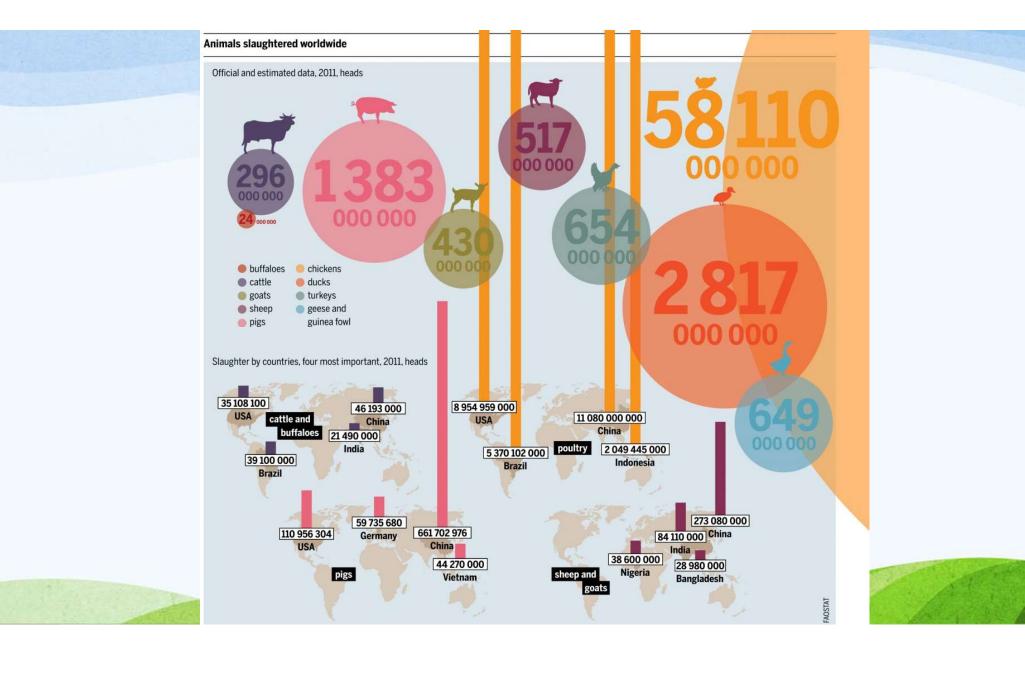




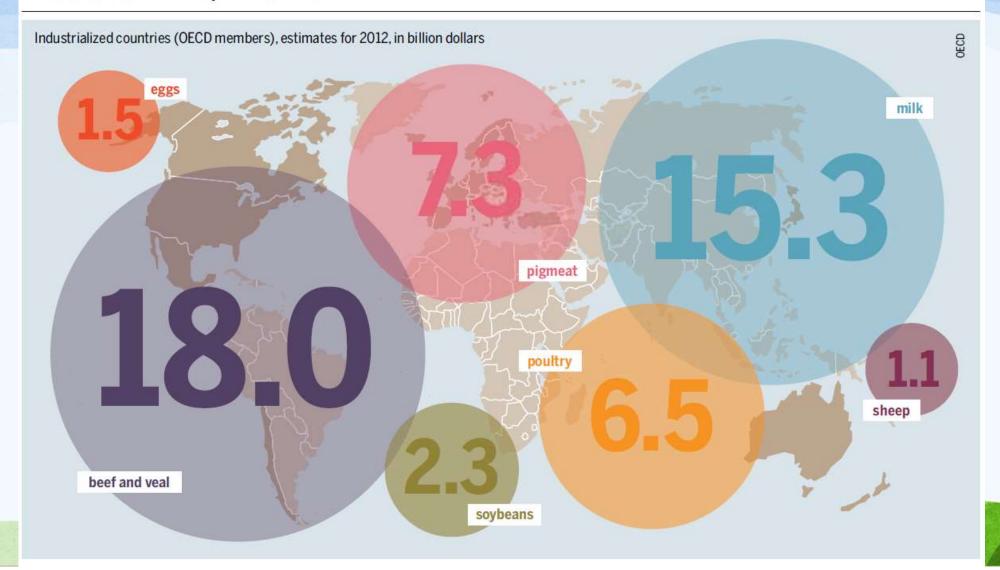
Demand in the rich world is satiated

Meat
consumption
in rich
country





Direct subsidies for animal products and feed

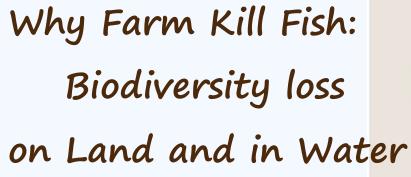


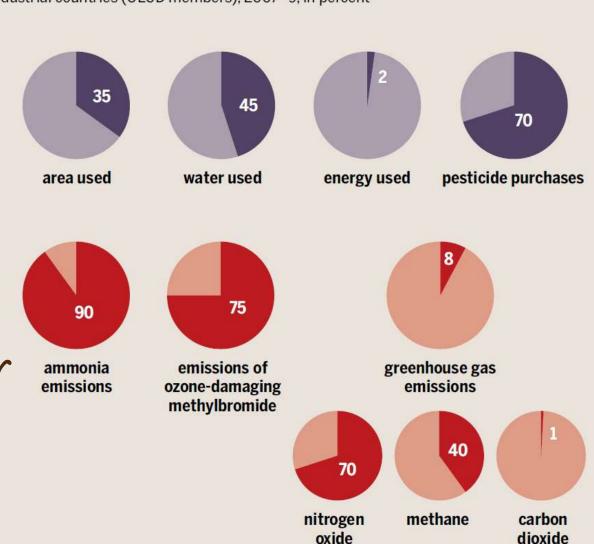


Factory Farming

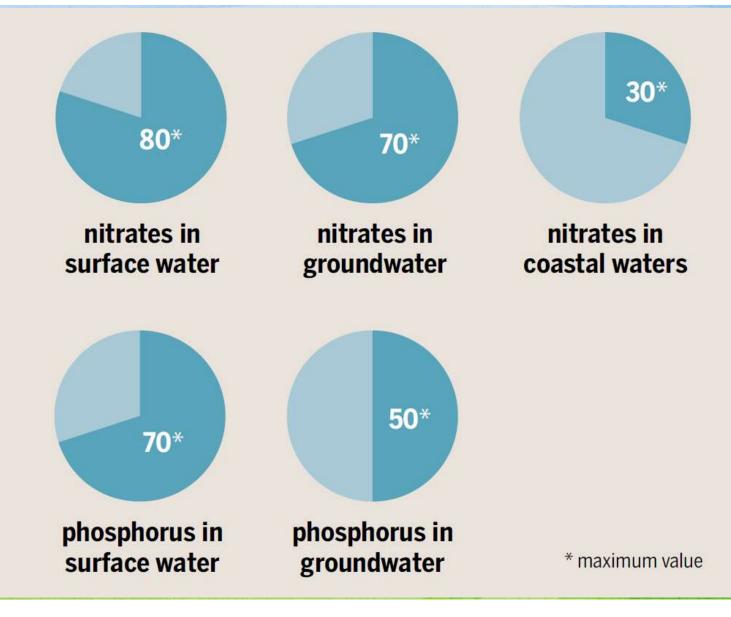
- Animal Cruelty
- Antibiotic Overuse → Resistance Germs
- Massive Pollution
- Destroyed Communities
- Artificial Hormones
- Dangerous Working Condition

Industrial countries (OECD members), 2007-9, in percent

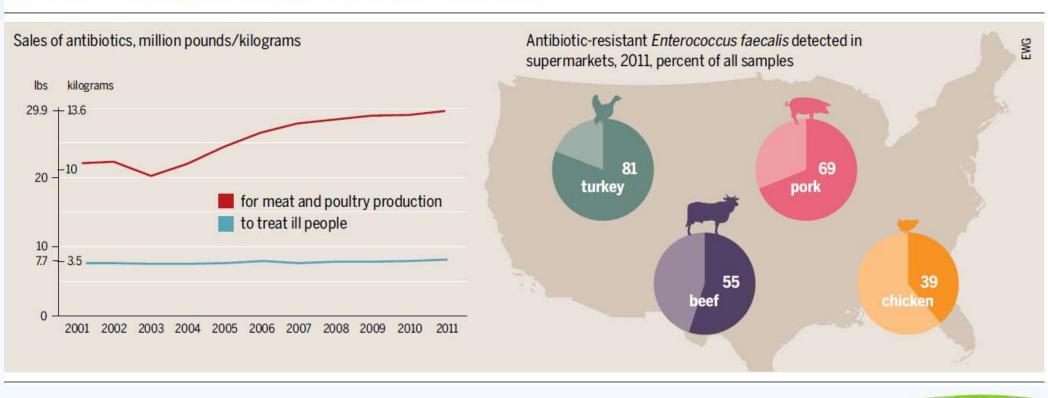




Water pollution:



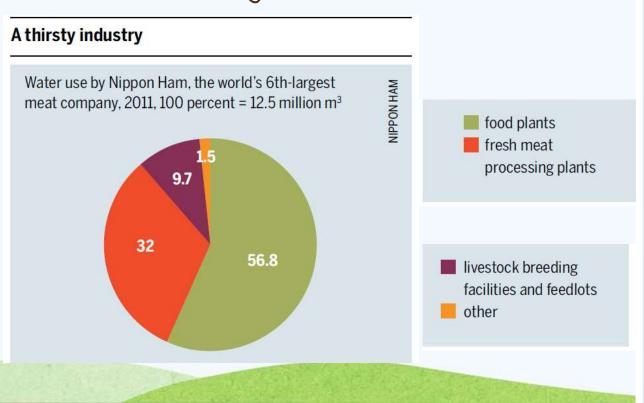
How far we are - distribution of antibiotics and resistant bacteria in the USA

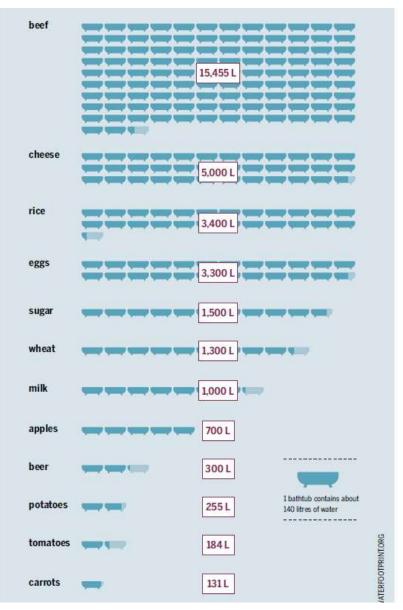


Virtual Water:

It takes this much water to produce

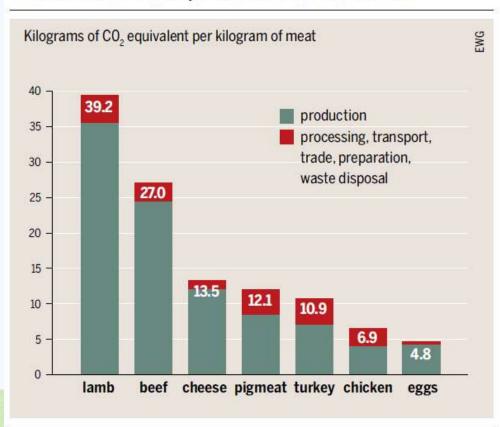
1 kilogram or 1 liter of:



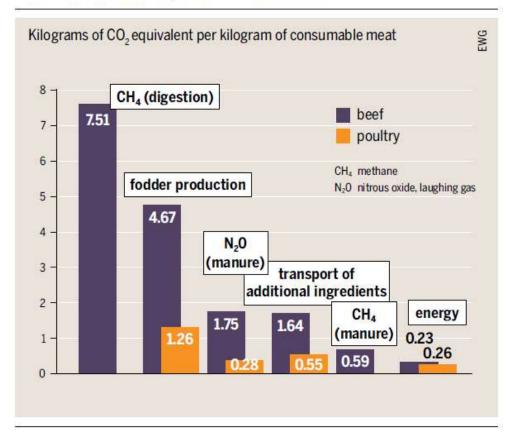


The Climate Cost of Cattle

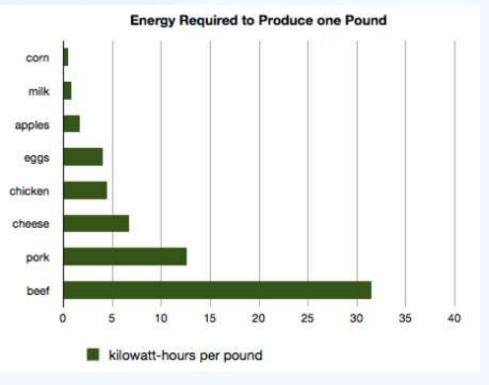
Emissions due to animal products consumed in the USA

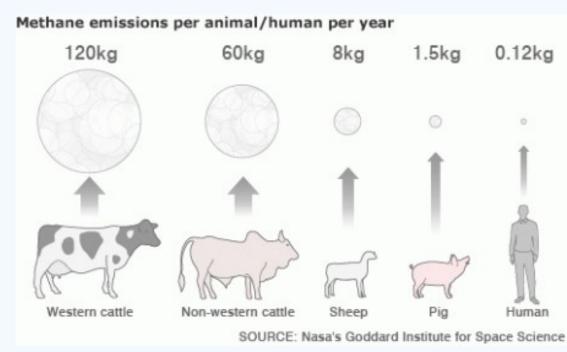


Emissions from meat production in the USA



Livestock and Climate Change







The future of food:

Alternative Protein Source



Insects













บุกฟาร์มไข่ผำ พืชจิ๋วอาหารแห่งอนาคต | TNN Tech Reports Weekly



https://www.youtube.com/watch?v=cwFiDYkZGPA

'Flo Wolffia' ทำไมต้องเป็น ผำ ซูเปอร์ฟู้ดโปรตีนสุดเลิศจากไทย I 25 พ.ค. 67 FULL I BTimes Weekend









Protein alternatives: aquatic plants



China

South Korea

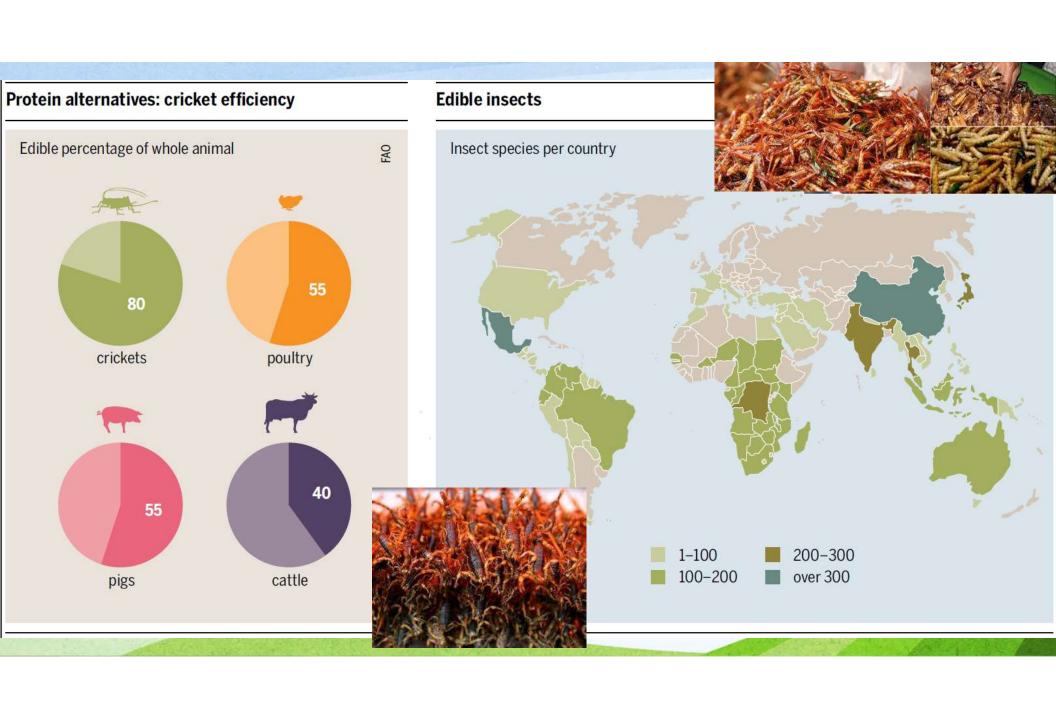
Japan

Algae

- สตีเฟน เมย์ฟิลด์ นักพันธุศาสตร์
- สาหร่ายตกแต่งโมเลกุลตากแห้ง
- ทดแทนโปรตีนจากสัตว์ได้ในอนาคต
- ช่วยลดการใช้ที่ดินและแหล่งทรัพยากรที่เกษตรกรต้องใช้ในการปลูกถั่วเหลืองหรือ ในการเลี้ยงปศุสัตว์ลง

tk/3942281.html







บิซคลับ ตอน 219 : จึ้งหรืดอบกรอบ ลด โลกร้อน





บิซคลับ ตอน 219 : จิ้งหรืดอบกรอบ ลดโลกร้อน

- รายการ "บิซคลับ" ออกอากาศทุกวันจันทร์-ศุกร์ เวลา 08.57-09.00 น.
- ทางช่อง True4U (ช่อง 24)
- https://youtu.be/ouMqczupxYc?t=8



http://eif-th.com/

Should we eat bugs? - Emma Bryce





https://www.youtube.com/watch?v=rDqXwUS4021

Should we eat bugs?

- · Entomophagy -follow by the animal behavior
- Tropical countries → Culturally is acceptable
- Large, diverse species
- Live as group → Easy to harvest
- · Healthy: Protein Fat Mineral Vitamin Fiber
- Cost effective for developing countries
- · Environment friendly





The Future of Meat

https://www.youtube.com/watch?v=iDgT_5MS8Q

Scientist to eat lab-grown beef burger 2013

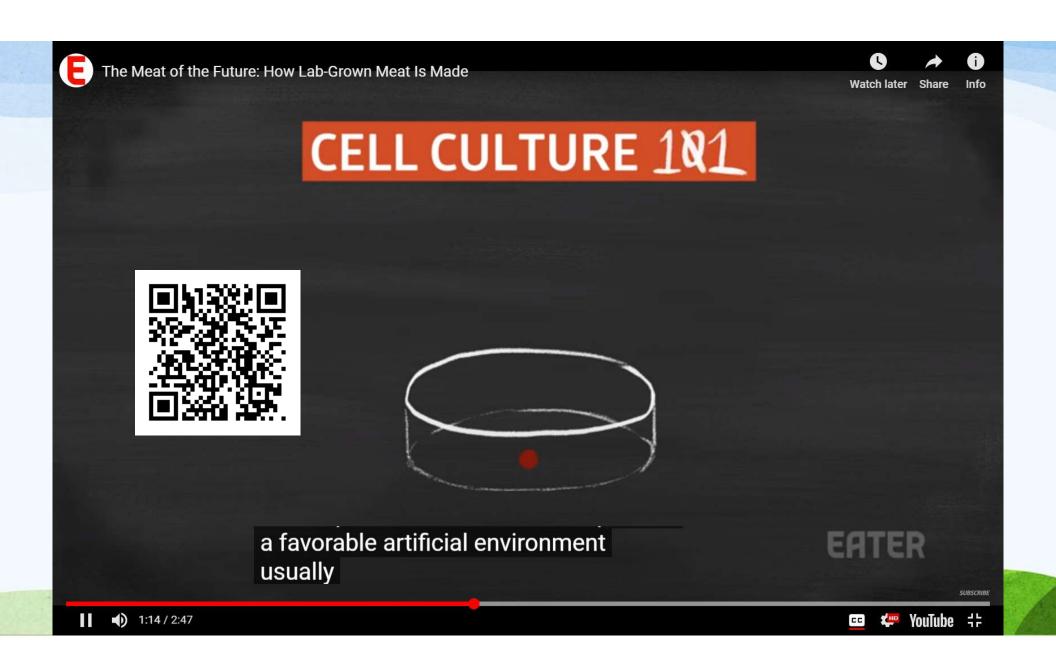


- Dr Mark Post, who will eat a burger made of lab-grown meat, at Maastricht University.
- https://www.theguardian.com/science/2013/aug/02/scientist-stem-cell-lab-grown-beefburger

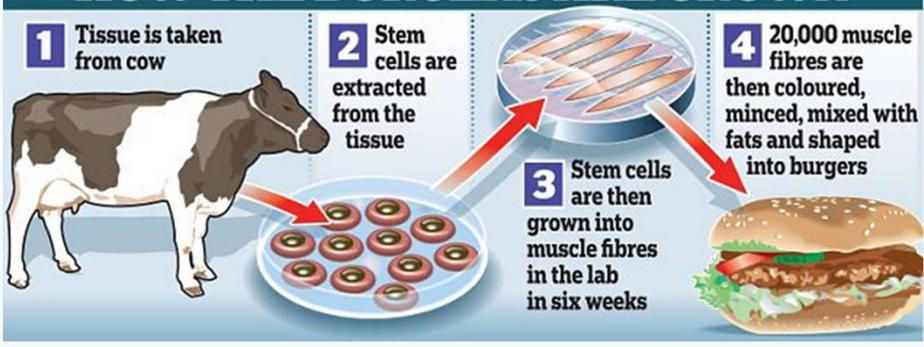


• <u>VDO</u> First lab-grown hamburger gets full marks for 'mouth feel'(https://www.theguardian.com/science/2013/aug/05/world-first-synthetic-hamburger-mouth-feel)

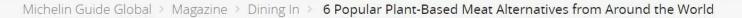












DINING IN () 3 MINUTES (28 MARCH 2019

6 Popular Plant-Based Meat Alternatives from Around the World

Here are some of the innovative brands that have sprouted up to produce plant-based alternatives to beef, pork, poultry and eggs.

plant-based well

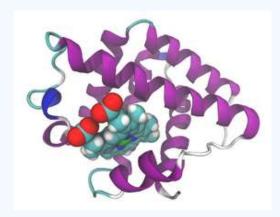
wellness

meat

Impossible Foods

- Who made it: California-based Impossible Foods was founded in 2011 by Stanford biochemistry professor Patrick O. Brown
- What it is: The main ingredients of the Impossible Burger include wheat and potato proteins and coconut oil. But the magic ingredient that gives the "meat" its umami, bloody taste is heme, an iron-containing, naturally-occurring molecule that Impossible Foods' scientists derived from leghemoglobin in the roots of soy plants.





leghemoglobin

Beyond Meat

Who made it: founded by CEO
 Ethan Brown in Los Angeles in
 2009, becoming available
 across the U.S. at Whole Foods
 Market in 2013.

What it is: vegetarian meat substitutes are made mainly from pea, beetroot, coconut oil, canola oil and potato starch.



Quorn

 Who made it: Quorn was launched in the U.K. in 1985 by Marlow Foods and is now owned by Monde Nissin Corporation. It was named after the Leicestershire village of Quorn where it was first produced.

What it is: Quorn is a meatless chicken-alternative made from mycoprotein which is produced by adding oxygen, nitrogen, glucose and minerals to a fungus called Fusarium venenatum and fermenting it.



What it tastes like: It tastes like chicken in terms of its lean, meaty texture and mild mushroomy taste.



<u>Omnipork</u>

• Who made it: launched by Right Treat, a venture under Hong Kong's Green Monday group. Founder David Yeung is an investor in Beyond Meat which developed plant-based chicken and beef, but saw a gap in the market for alternative pork.

• What it is: A blend of shiitake mushrooms, soy, peas and rice.

What it tastes like: Succulent, tender and juicy, Omnipork can be steamed, pan-fried and deep-fried, lending itself well to Asian dishes like xiao long bao and sweet-and-sour pork.

JUST

- Who made it: The San Franciscobased firm was founded by Josh Tetrick and launched its flagship product, JUST Mayo—an egg-free mayonnaise—in 2013, and JUST Egg in late 2017.
- What it is: JUST Egg is a liquid "egg" is made from water, mung bean protein isolate and canola oil.





What it tastes like: JUST Egg looks, cooks and tastes just like scrambled eggs, forming fluffy curds in the pan. It can be used to make French toast, fried rice, quiches and omelettes but is not recommended for use in baked goods.

Tofurky

- Who made it: Tofurky was introduced in 1995 by Turtle Island Foods, a company based in Oregon. Seth Tibbot founded the company in 1980 making tempeh from scratch.
- What it is: The vegetarian turkey replacement is made from a blend of wheat gluten, organic tofu, corn starch, organic cane sugar and vegan natural flavors.



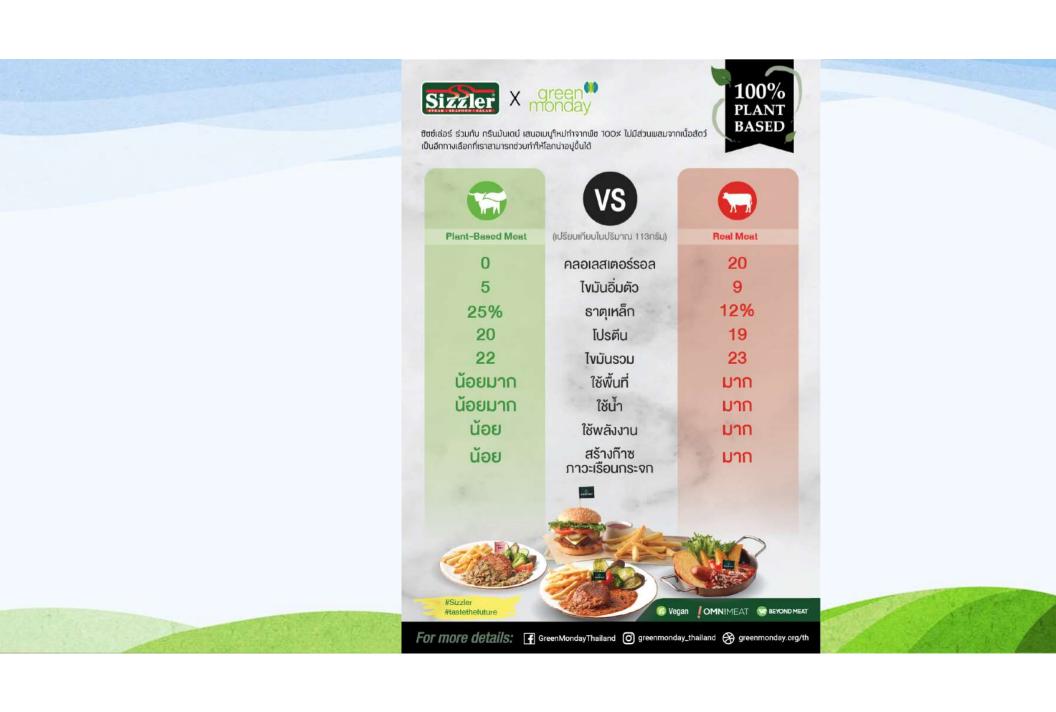
What does it taste like: Tofurky is wheat gluten-based, like the mock meats commonly found in Asian vegetarian food, so the taste and texture is similarly chewy and takes on the flavor of whatever it is seasoned and sauced with.

Sizzler เปิดตัวรสชาติแห่งอนาคตกับ 4 เมนูใหม่สไตล์ Plant-Based Meat ครั้งแรกในประเทศไทย (September 23, 2019)









ประเทศไทย มีplant-based meat ???



meat-avatar







Food BioTech เทคโนโลยีพลิกอาหารโลก | Secret Science EP.8



23:25 / 49:22 • ประเภทของ Food BioTech >

ปฏิวัติการเกษตรโลก ยุคทอง BioTech ไทยตกขบวน? Secret Science EP.10

