

Source: FAO, 2018 numbers, http://www.fao.org/faostat/en/#data/QC

Coconut Sugar Market Size, Share & Trends Analysis Report By Application, Regional Outlook, Competitive Strategies, And Segment Forecasts, 2019 To 2025

Growing demand as a preferred sweetener from lower glycemic index than cane sugar/ honey.

Tea / Coffee/ Beverage/ Cosmetic Industry herbal skin and haircare in Korea, China, India

body scrubs, shaving gels, face, and body creams

high in mineral rich source : iron, magnesium, potassium, and magnesium various vitamins: B6, B2, B1, and B3.

30 times phosphorous

18 times potassium than brown sugar.

Friendly for
Diabetics/ Heart Disease
Obesity
Senior age growing population
Bio-based cosmetic



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Key Players































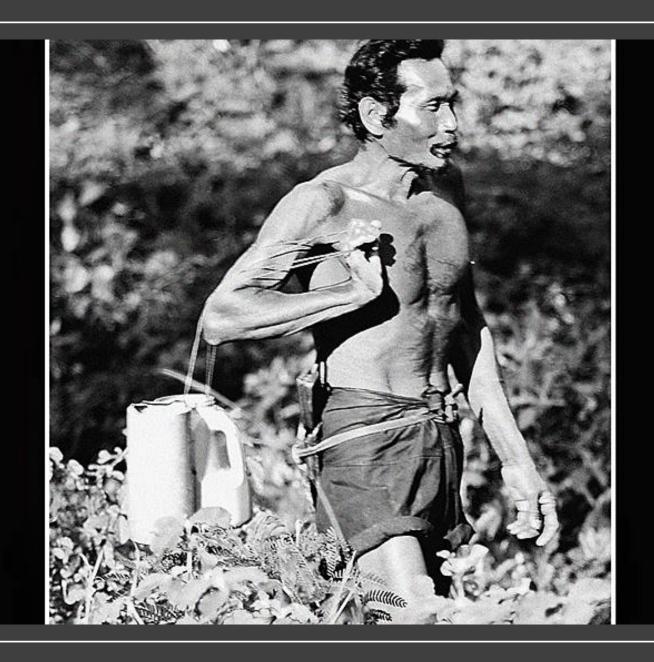












Nov 03, 2015 · 10:30 pm

Mark Horton, Alexander Bentley and Philip Langton, The Conversation





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sugarcane is the world's third most valuable crop after cereals and rice, and occupies 26,942,686 hectares of land across the globe.

Evidence from plant remnants and DNA: South East Asia. in Papua New Guinea at 8,000BC.

The crop spread around the Eastern Pacific and Indian Oceans around 3,500 years ago, carried by Austronesian and Polynesian seafarers.

Coconut Sugar a long tradition In SEA culture as ancient wisdom.

High skill needed. Labor intensive.



Coconut sugar has become the world replacer for sugar cane. High demand is raised through out the world.

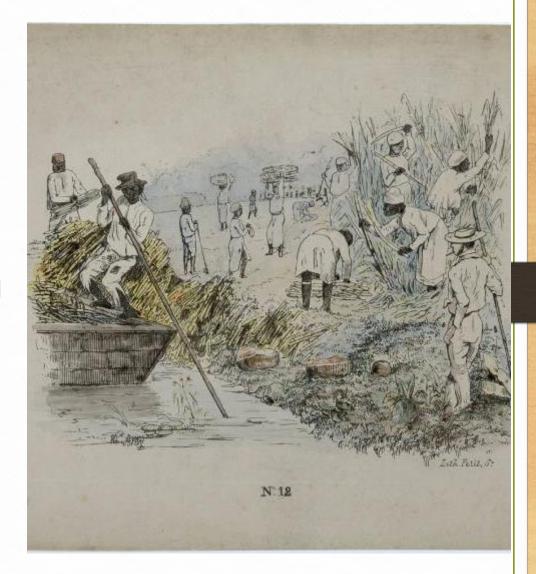
The discovery is in South East Asia over a few hundred years and now starts to spread around the world.

The first chemically refined sugar appeared on the scene in India about 2,500 years ago.

The first place to cultivate sugarcane explicitly for large-scale refinement and trade was the Atlantic island of Madeira, during the late 15th century.

Then, it was the Portuguese who realised that new and favourable conditions for sugar plantations existed in Brazil.

When Brazilian sugarcane was introduced in the Caribbean, shortly before 1647, it led to the growth of the industry which came to feed the sugar craze of Western Europe.



Key facts

- •Noncommunicable diseases (NCDs) kill 41 million people each year, equivalent to 71% of all deaths globally.
- •Each year, 15 million people die from a NCD between the ages of 30 and 69 years; over 85% of these "premature" deaths occur in low- and middle-income countries.
- •Cardiovascular diseases account for most NCD deaths, or 17.9 million people annually, followed by cancers (9.0 million), respiratory diseases (3.9 million), and diabetes (1.6 million).
- •These 4 groups of diseases account for over 80% of all premature NCD deaths.



nobody needed, but everyone craved -

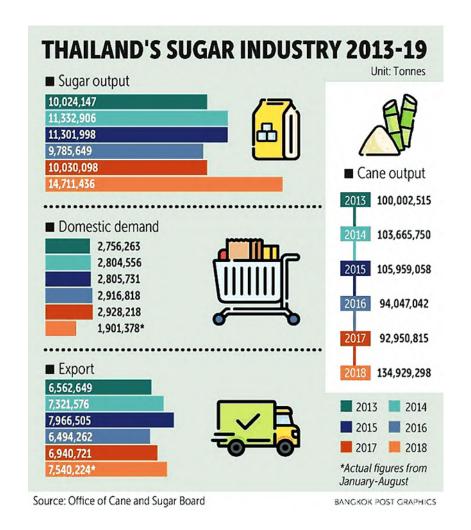
TOP SUGAR PRODUCERS

Unit: 1,000 tonnes



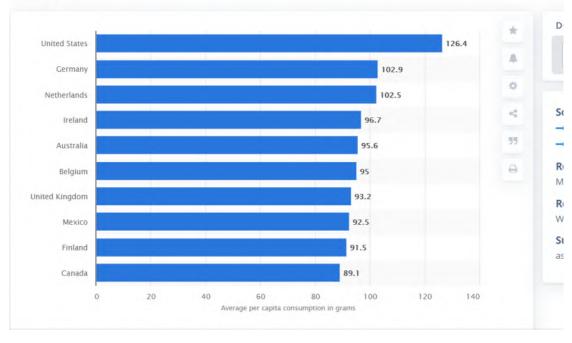
Year	Brazil	India	EU	Thailand
2014-15	35,950	30,460	18,449	10,793
2015-16	34,650	27,385	14,283	9,743
2016-17	39,150	22,200	18,314	10,033
2017-18	38,870	34,309	20,823	14,710
2018-19	29,500	34,300	17,731	14,581
2019-20f	29,350	29,350	17,850	12,000

Sources: US Department of Agriculture (USDA), Office of the Cane and Sugar Board (OCSB)



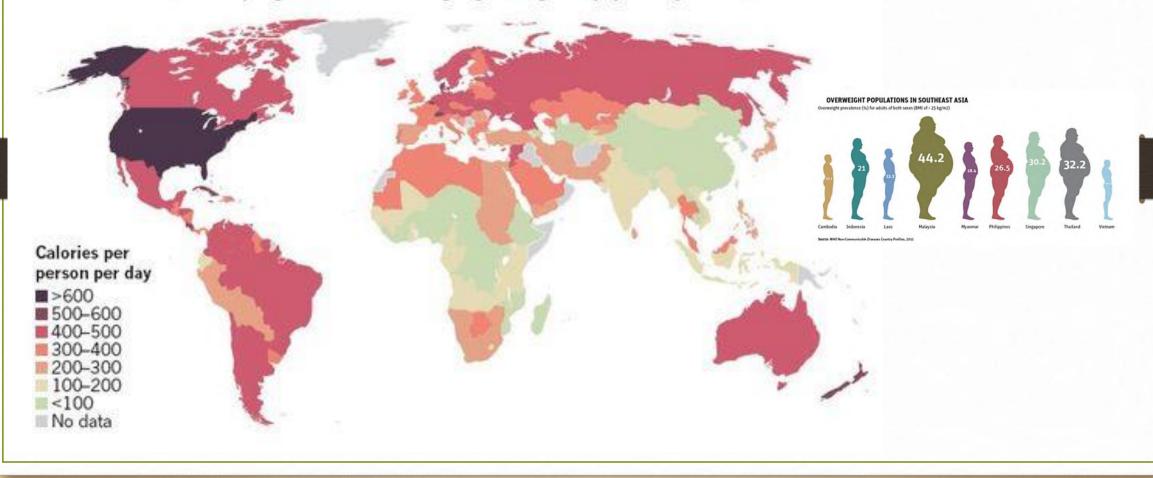
Average per capita consumption of sugar as of 2016, by country





THE GLOBAL SUGAR GLUT

Global sugar supply (in the form of sugar and sugar crops, excluding fruit and wine) expressed as calories per person per day, for the year 2007.



The lesson learned from refining cane sugar drives coconut sugar industry towards Organic Direction for taking wholeness from nature.

Smaller players, community developments. Hand made Lower standards. Difficult challenge







CANE SUGAR:

mass consumption from the mid-17th century onwards that created the health risks.

COCONUT SUGAR More consumption started on 21st century onwards That created healthy society.

BALANCE



SWEETNESS

nobody needed, but everyone craved -



Electrolytes

Coconut sugar contains potassium, magnesium, and sodium, which are all essential for regulating your body's water content as well as many heart, nerve, and muscle functions. It has nearly 400 times more potassium than regular sugar.

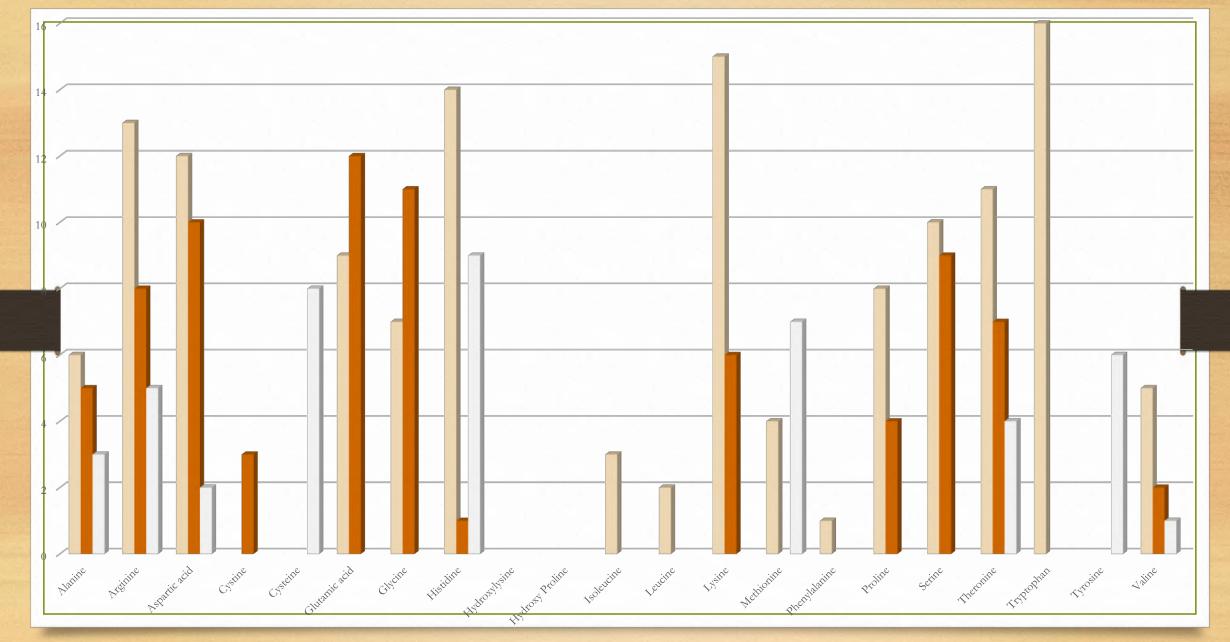
A low-glycemic index Clinically proven. Diabetic friendly.

Minimum Process

Contain more than 10 amino acids

DIFFERENT

Amino acid sequence



Amino Acids Work Together to Produce the Taste of Foods!

Umami, Sour

Glutamate Aspartate Sweet

Glycine

Alanine

Threonine

Glutamine

Proline

Asparagine

Serine

Bitter

Tryptophan Phenylalanine

Isoleucine A

Arginine

Leucine

Valine

Cysteine

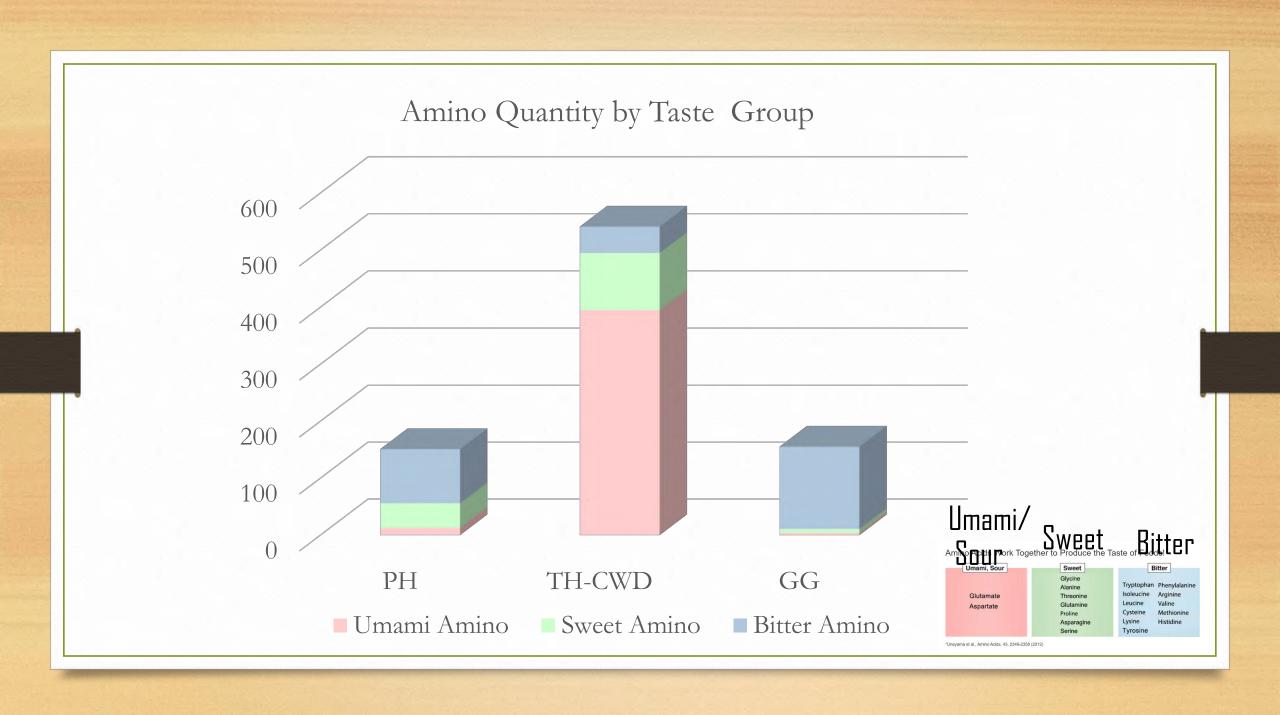
Methionine

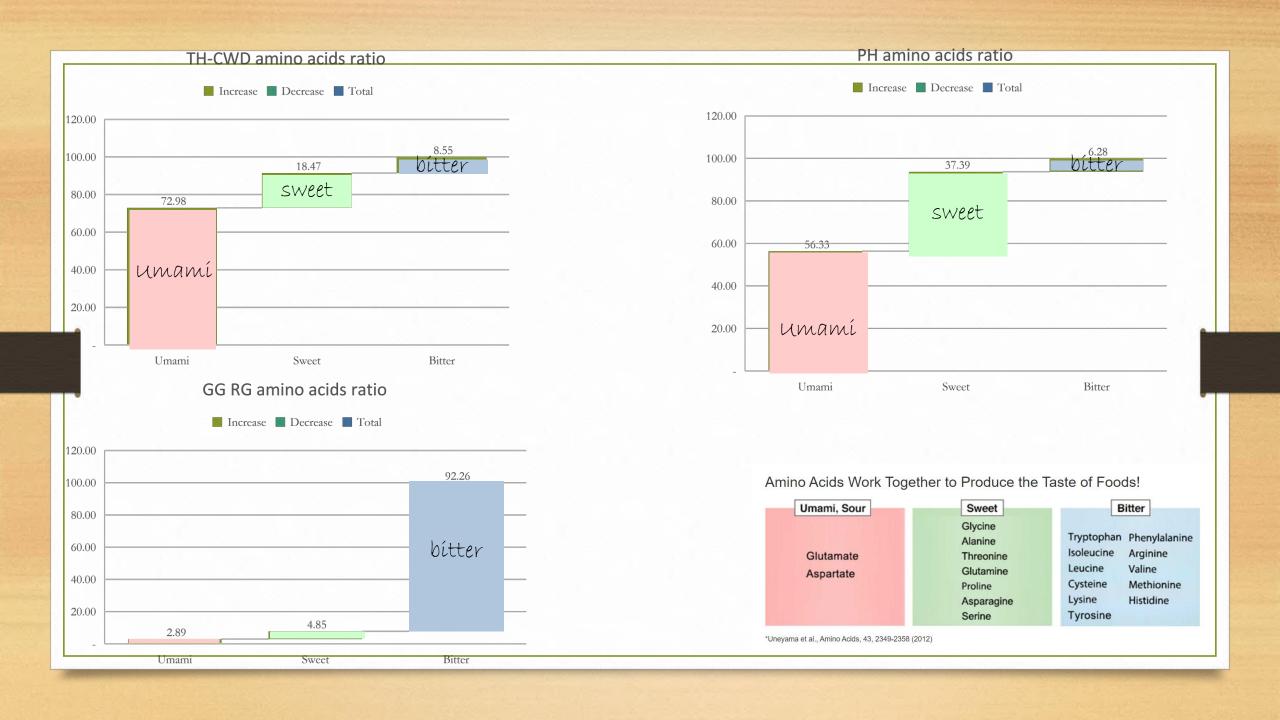
Lysine

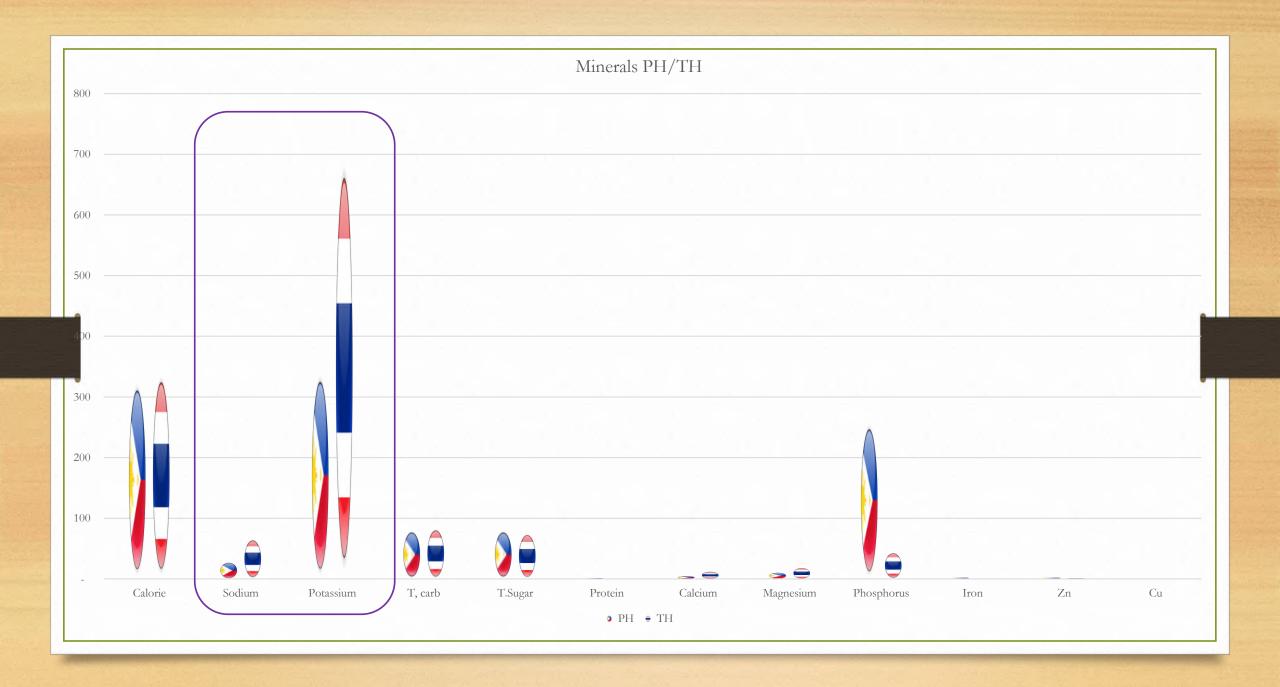
Histidine

Tyrosine

^{*}Uneyama et al., Amino Acids, 43, 2349-2358 (2012)













Characteristic Sweet



Characteristic Bitter







Market will grow as the demand has been increasing for more application beyond sweetness.























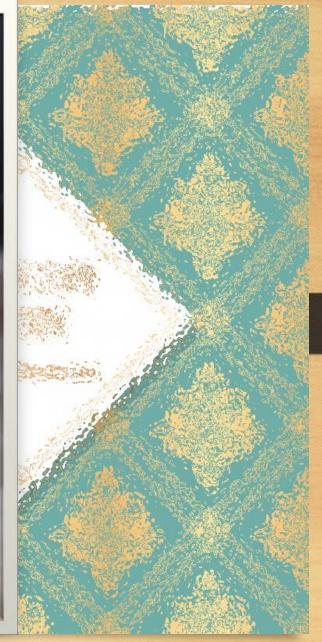
































- *Clinically tested
- -increasing muscular mass
- -increase metabolic rate
- -reduce carb crave
- -promote quality sleep
- -promote quality of life

Coconut Flower Vinegar











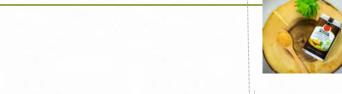




2017 forward

2013-6















2012-3

2014-5

2016-7

2018-9

























Thailand	Cane	Coconut small area		Coconut promotion	
Hallariu		Nam Hom	New	Nam Hom	New
Area cultavated M rai	6.84	0.05	0.05	0.75	0.75
T Juice/ rai/yr	5	12.96	54	12.96	54
M Ton Cane Juice/ yr	34.2	0.648	2.7	9.72	40.5
Farmer @ B/M	1,588	8,100	16,875		
Farmer @ USD/M	50	257	535		





- -Date sugar / Tanot sugar other palm family plants are coming up as alternatives.
- -High demand with slow supply for coconut sugar forcing alternatives:-

Date Sugar

Palm Sugar (Tanot)

Other palm sugar

Farm Issues

-the best sap productivity coconut seeds not in commercial availability.

Can ICC work together to get seeding / tissue culture done?

Can ICC dissolve importation barrier?

Each development takes a few years, the world is moving faster.

- -the dwarf tree that enable business with less risk taking.
- -technology at farm to avoid climbing to harvest.
- -no labor available for harvest job.
- -Offer special fund and medical services for coconut harvest career.
- -Reserve agricultural land for coconut for affordable investment.







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