

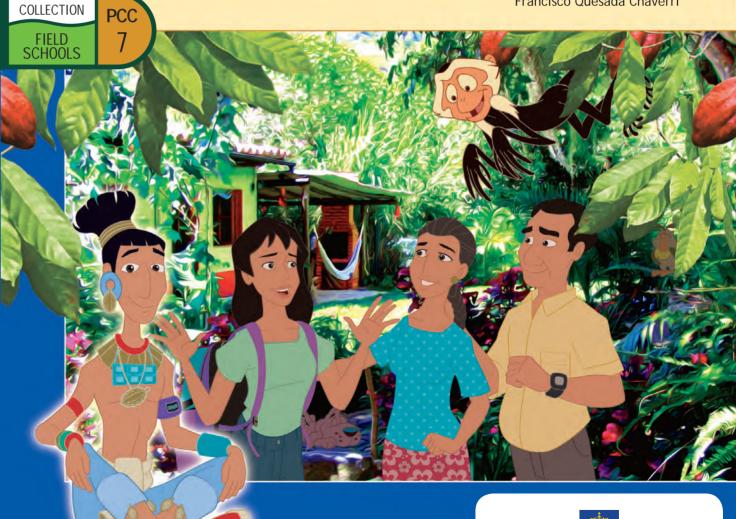


Mesoamerican Agroenvironmental Program

History of Cacao and Chocolate

Lauren Fins Eduardo Somarriba Chavez Francisco Quesada Chaverri

ROYAL NORWEGIAN EMBASSY



Technical Series Extension Materials No.



History of Cacao and Chocolate

Lauren Fins Eduardo Somarriba Chavez Francisco Quesada Chaverri The Tropical Agricultural Research and Higher Education Center (CATIE) is a regional center dedicated to research and graduate education in agriculture, and the management, conservation and sustainable use of natural resources. Its members include the Inter-American Institute for Cooperation on Agriculture (IICA), Belize, Bolivia, Colombia, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Venezuela, Spain and the State of Acre in Brazil.

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This manual is meant to serve as a study book for farmers, local and community facilitators, students and others interested in the natural and cultural history of cacao and chocolate. This publication was co-produced by CATIE-MAP Noruega Project (Central American Cacao Project), the University of Idaho and The Hershey Company.







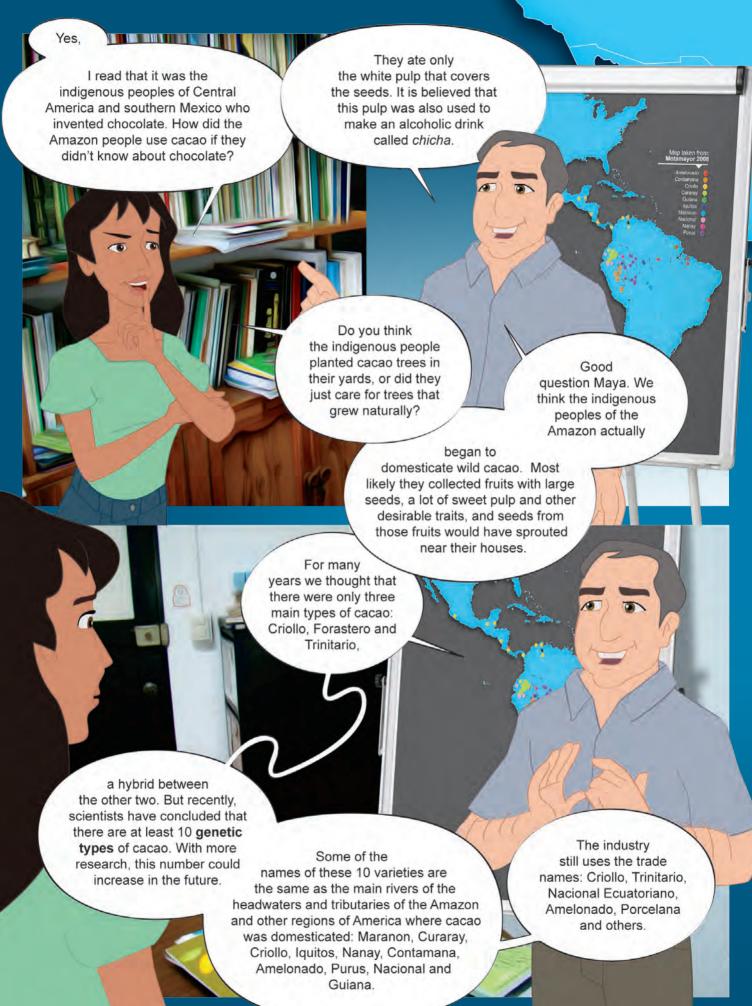


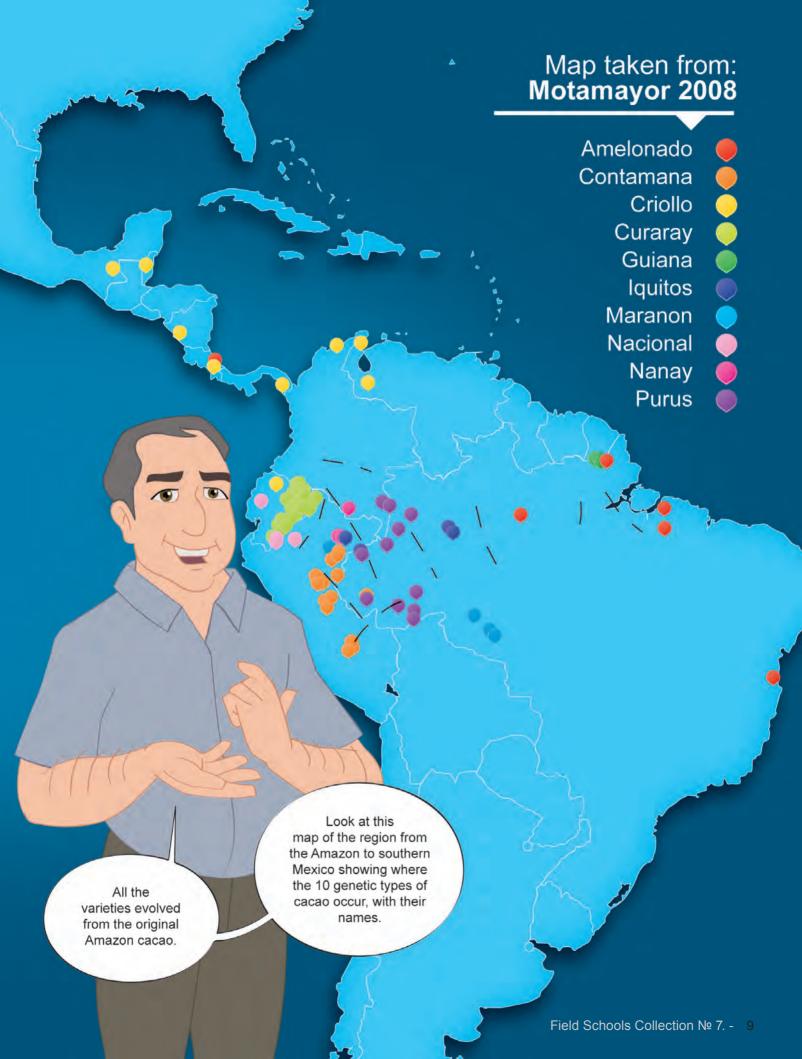
































Alright: Magic How Pod. We want to travel Theo, look how interesting! back in time, When leaders' they pour the chocolate from powers were thought one vessel to another to make It seems divine. Theo, please it foamy! that they used take me to Mexico to see several vessels to Moctezuma's court. prepare the chocolate See for Moctezuma. spots on a jaguar, but none on a puma, please take us to the court of Moctezuma. Yes, they drank their chocolate cool and flavored it with chili I suppose Divine drink peppers, flowers and other spices, and sometimes that, after a while, the with honey. At first the Spanish did not like the taste which builds up Spaniards began to of this drink. When Cortés took Moctezuma sweeten cocoa with sugar. resistance and prisoner and sacked his warehouses, and then they and other fights fatigue. Europeans liked it too. he found nearly a billion A cup of this precious drink cacao beans. And he wrote about cacao in permits a man to walk for a whole day without a letter to the royalty of Spain, referring to cacao as a... food... Hernan Cortes smash Later they

Where did the word "chocolate" come from?

added milk and what

can I say ... Chocolate

pastries were born and now we can't live without them.









THE COCOA BEAN TRAIL FROM THE FARM TO THE CHOCOLATE FACTORY





- The beans are sold to the exporter Most individual farmers sell their beans to a middleman, who then sells them to an export company. But farmers with small holdings sometimes organize into cooperatives. They combine the cacao from all their farms so they can get a better price for it.
- Inspection and repackaging The exporting company inspects beans, sorts them according to their quality, repackages them and sends them to a warehouse or directly to port.







- Inspection and importation procedures When they reach their destination port, the beans are unloaded and taken to a warehouse where they are sampled. inspected by the importer and declared to the customs office.
- Shipping The beans are shipped by boat to the countries where they will be processed.





Transformation of beans into chocolate The beans are transported to processing facilities where the next series of steps depend on the type of end product to be manufactured.

















Ingredients:

1 1/2 liters of milk 1/2 liter of water 110 grams of dark chocolate or homemade chocolate 25 grams of brown sugar 1 cinnamon stick 3/4 cup of cornmeal

How to prepare:

- · In a saucepan, boil water, cinnamon and brown sugar until the sugar
- Mix the cornmeal with the liter of
- milk and add the boiling water to it. Then add the remaining milk and chocolate. Boil over low heat until the chocolate melts.
- · Stir constantly, taking care not to burn your Champurrado.



Mmm... sounds wonderful.

I think we can make this beverage for the tourists who will come to tour our farm.

Well, Theo, I think it's time to return to CATIE. I found what I came to learn. Thanks for being my guide on this wonderful trip.

Thank you for your help, Hans. I think we'll be very successful with our ecological chocolate tour.

Till next time, Maya.

> We'll get you back to CATIE with the Magical Cacao Pod: Weekend and weekday, work hard and then play, take us back to CATIE.



Websites

http://www.icco.org/ http://www.worldcocoafoundation.org/

Selected Bibliography

Jacobsen, R. 2003. Chocolate Unwrapped. Invisible Cities Press. Montpelier, Vermont. 126 p.

Coe, S.D. and M.D. Coe 2007. The True History of Chocolate, Second Edition. Thames & Hudson Ltd. London. 280 p. Motamayor JC, Lachenaud P, da Silva e Motta JW, Loor R, Kuhn DN, et al. 2008. Geographic and genetic population differentiation of the Amazonian chocolate tree (Theobroma cacao L.) PloS One 3(10):1-8. 2008. e3311. doi:10.1371/journal.pone.0003311.

Some chocolate museums of Europe:

Belgium

http://www.choco-story.be/

France

http://www.cluizel.com/

Germany

http://www.schokoladenmuseum.de

Holland

http://www.dechocoladefabriek.nl/

Spain

http://pastisseria.cat/ct/PortadaMuseu

United States

http://www.hersheystory.org/

Traveling exhibit

http://www.fmnh.org/chocolate/tour.html

Glossary

Acne: Acne is the name for certain skin rashes, especially on the face, which are more common in adolescence: Individual eruptions are also called "zits" (colloquial) or "pimples."

Alkaline: An alkaline substance is one that counters the effect of an acidic substance.

Aphrodisiac: The name for a food or beverage that is believed to increase sexual desire in people.

Aztec: The Aztecs lived in central Mexico and developed an advanced civilization whose capital was Tenochtitlan, located in what is now the Federal District, until the arrival of the Spanish in America.

Cacao: In this book, "cacao" is used to refer to the Theobroma cacao plant (tree) and its parts, including the pods, and the raw seeds through fermentation and drying: Once roasted or otherwise processed, the seeds and its products are referred to as cocoa or chocolate.

Chocolate: Generally refers to products of roasted and ground cacao seeds (beans), and usually, but not always sweetened and intended for eating or drinking.

Clones: Genetic copies of plants (or animals) that are generated asexually: For plants, clones are created by grafting or rooting cuttings or using other vegetative propagation techniques.

Cocoa: In this book, cocoa refers to the powder that remains after the fat (cocoa butter) has been removed from roasted ground cacao seeds (beans): Elsewhere,

the term cocoa may refer to a broader range of products made from the roasted seeds, including what Americans call "cacao" and "chocolate."

Cocoa liquor: Refers to the viscous liquid that results when cocoa seeds are ground.

Colonists: Colonists are human groups that reach other lands to settle them, imposing their customs and laws there. Cosmetics industry: The industry that produces creams, perfumes and other products to improve the appearance of skin and hair.

Emperor: An emperor is the person who has the most power to rule an empire: An empire is like a kingdom and an emperor is like a king, but an empire, in contrast with a kingdom, is always expanding and seeking to conquer new peoples.

Hormones: Substances that travel through the blood and help regulate body Genetic types: Groups of individuals that share similar genetically determined traits: Scientists have determined that native populations of cacao encompass at least 10 genetic types, but more intense sampling may reveal additional types functions.

Hydraulic press: A press is a device used to exert great pressure or thrust: In most presses, a liquid, such as oil or a gas, is used to create hydraulic pressure:

Latin: Ancient language spoken by the Romans more than two thousand years ago: Currently used for scientific names of plants and animals.

Latitude: A measure of the distance of a country from the Earth's equator: Latitude is measured in degrees.

Migraine: Discomfort that manifests as a headache or blurred vision often accompanied by nausea and sensitivity to light: The exact causes of migraines are not known: Some people get migraines frequently and others never get them: Migraines can be triggered by some foods, stress and changes in weather.

Moctezuma: The name of the Aztec emperor who ruled at the time the Spanish arrived in Mexico.

Mole: A sauce invented in Mexico, made from chocolate, chili peppers and other ingredients.

Nobles: In Europe, nobles were people such as kings and their relatives or those who had received certain titles or privileges granted by the king: Princes, marquises and earls are examples of nobles.

Pastries: Sweet baked goods made from dough, shortening and other ingredients: They are often served with coffee, tea or chocolate.

Sustainable: Saying that something is sustainable means that it can be maintained for a long time: Producing cacao sustainably means not destroying or exhausting the soils, water sources and other natural resources, so that the farm can keep producing for many generations.

Tachycardia: Faster than normal heart rate.