MARS

Fine Flavor Cocoa-An Ally For A Sustainable Cocoa Future

Putting Farmers First— All farmers, and maintaining the Quality— A Passion for Chocolate

Ed Seguine

Chocolate Research Fellow

Chocoa NL Congress

March 8, 2013







The Most Beautiful Woman in the World, Kathy—



Annex "C" of the International Cocoa Agreement, 2010 (ICA, 2010)

Countries	Council decision March 2011 (% of total exports)	3-year average total cocoa beans exports (in tonnes)	3-year average fine or flavour cocoa beans exports (in tonnes)
	March-11	2008/09 – 2010/11	2008/09 – 2010/11
3 <mark>olivia</mark>	100%	458	458
Colombia	95%	3,151	2,993
Costa Rica	100%	293	293
Dominica	100%	397	397
Dominican Republic	40%	54,408	21,763
Ecuador	75%	120,524	90,393
Grenada	100%	491	491
Indonesia	1%	380,028	3,800
Jamaica	100%	449	449
Madagascar	100%	8,230	8,230
Mexico	100%	179	179
Papua New Guinea	90%	48,447	43,603
Peru	90%	11,684	10,515
Saint Lucia	100%	16	16
São Tome and Principe	35%	2,283	799
Trinidad and Tobago	100%	606	606
Venezuela	95%	6,482	6,158
Exports of fine or flavour - World total (estimated)	5.0% ₆		191,144

Fine Flavor Cocoa Market— A breed apart

- Beginning of 20th Century—40-50% of global market
- Today about 5%
- Renewed global interest in chocolate flavor drives the search for <u>specific supplies</u>
- Unique and special flavor profiles—but a foot in the bulk, rich chocolate core
- Small market, highly specialized, unique supply-demand characteristics—high price points—individually negotiated price points— Lots of activity using farmer involvements and Sustainability for market positioning

Perspective—



Fine Flavor Cocoa Farmers:

300,000

Rest of Cocoa Farmers:

6,200,000

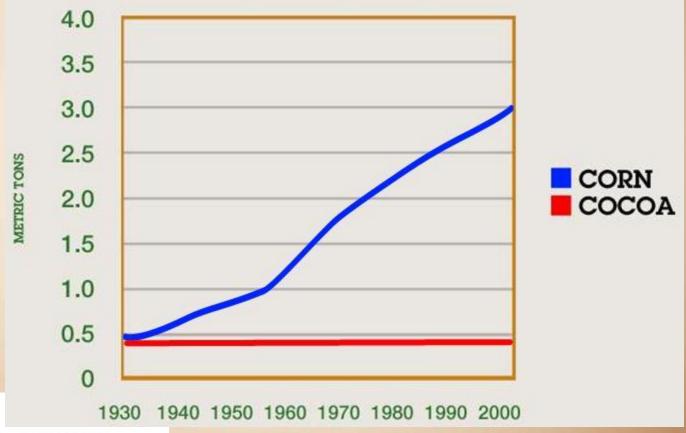
How do we reach <u>all farmers</u>—
Putting Farmers First



Sector Issues—

MARS

Yields have not changed





Sector Issues—



- Yields have not changed
- Diseases continue to devastate
- Aging trees / exhausted soils
- Major quality declines all origins
- Not a career future
- Major volume needs in next 10 yrs. (BRICS countries)



Promising Future—

Cocoa Genome Sequences

Key to cacao's future

Changes breeding from years → months

Markers are critically needed

yield, disease resistance, flavor, self

compatibility, tree architecture

Mars Vision for Change

Cote d'Ivoire

Cocoa Development Centers

Government and other partners





The Mission—

- Raising farmer <u>productivity and income</u> is the most important first step towards a holistic solution to poverty and decline in cocoa communities.
- Community <u>organization and empowerment</u> will drive development and better social conditions, including reduced instances of the worst forms of child labor.
- Civil society MUST be a partner and leader
- ➤ Significant, lasting progress will only come with greater industry collaboration to reach more of the world's 5-6 million cocoa farmers.
- We are <u>ALL in this together</u>—we need all elements and segments working together
- Fine Flavor Cocoa can be a <u>unique modeling and test</u> bed of non-conventional approaches.

Chocolate—What it's about!

Desire Joy

Passion Delight

Seduction Raptire

Ind oger control The moment

Romance - Rituals







MARS

CHCCOO | GOOD COCOA BETTER CHOCOLATE



MARS