SUSTAINABLE COTTON PRODUCTION





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TECHNICAL INFORMATION SECTION

Objectives:

- 1. Provide update on cotton production research
- 2. Provide information pertaining to cotton research programs
- 3. Develop lines of communications among researchers
- 4. Supervise Common Fund for Commodities funded projects

TECHNICAL INFORMATION SECTION

1. Provide update on cotton production research:

THE ICAC RECORDER

Quarterly

Published in English, French and Spanish

March 2009

- 1. Biotech Cotton and the Technology Fee
- 2. Global Warming and Cotton Production II
- 3. Organic Cotton

TECHNICAL INFORMATION SECTION

1. Provide update on cotton production research:

Review articles

Environmental impact of cotton production - 2010

TECHNICAL INFORMATION SECTION

1. Provide update on cotton production research:

Technical Seminar

2008 – Improving Sustainability of Cotton Production in Africa 2009 – Biosafety Regulations, Implementation and Consumer Acceptance

(Cape Town, South Africa, September 10, 2009)

TECHNICAL INFORMATION SECTION

2. Provide information pertaining to cotton research programs

Current Research Projects in Cotton – 2009 Cotton Production Practices - 2008 Cost of Production of Raw Cotton - 2007

TECHNICAL INFORMATION SECTION

3. Develop lines of communications among researchers

Regional Cooperation

- 1. Latin American Association for Cotton Research and Development - ALIDA
- 2. Interregional Cooperative Network on Cotton for the Mediterranean and Middle East Regions
- 3. Southern Eastern African Cotton Forum
- 4. Asian Cotton Research and Development Network

TECHNICAL INFORMATION SECTION

3. Develop lines of communications among researchers

World Cotton Research Conferences

WCRC - 1 Brisbane, Australia, 1994 WCRC - 2 Athens, Greece, 1998 WCRC - 3 Cape Town, South Africa March 9-13, 2003

WCRC - 4 September 10-14, 2007 Lubbock, Texas 2011 in India

WCRC - 5

TECHNICAL INFORMATION SECTION

4. Supervise Common Fund for Commodities funded projects ICAC serves as a supervisory body for CFC projects

SUSTAINABLE COTTON PRODUCTION

WHAT IS SUSTAINABLE PRODUCTION?

UN - World Commission on Environment and Development - 1987

"Sustainable development is a development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

WHAT IS SUSTAINABLE PRODUCTION?

- UN World Commission on Environment and Development -1987
 - 1. UN Conference on Environment and Development (Rio de Janeiro, Brazil, June 1992)
 - 2. World Summit on Sustainable Development (Johannesburg, South Africa, August/Sept 2002

Result:

Governments recognized the need to direct national and international plans and policies to ensure that all economic decisions took environmental impacts fully into account

ALTERNATE NAMES

Biological production/Organic production
Low-input production
Integrated crop management system
Biodynamic production
Bio-intensive production
Conservation tillage
Zero tillage
Minimum tillage
Regenerative production

SUSTAINABILITY IN COTTON

Fundamentals

- Sustainability does not always mean higher yields
- Sustainability does not always mean lower costs
- Sustainability does not always means more income

Sustainability is an integrated approach from production to marketing and processing

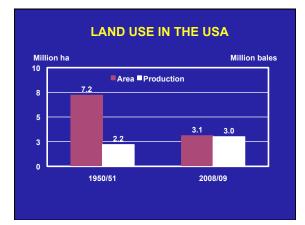
SUSTAINABILITY IN COTTON

Fundamentals

- Environmental
- Economical
- Social

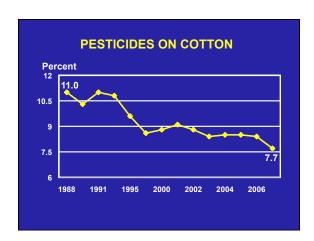
LAND USE BY COTTON - WORLD

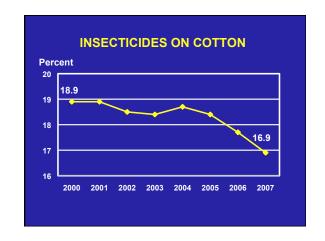
<u>Year</u>	<u>Area</u>	P <u>roduction</u>	Yield
	(Million ha)	(Million Tons)	(Kg/Ha)
1951/52	36.0	8.4	234
1961/92	33.1	9.8	296
1971/72	33.1	12.9	392
1981/82	34.0	15.0	442
1991/92	34.7	20.7	596
2001/02	33.5	21.7	647

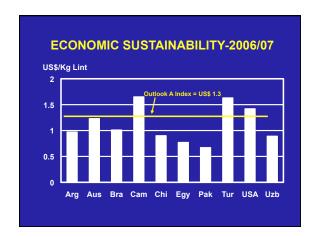


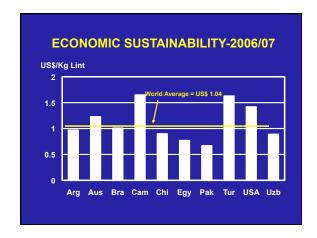
PP CHEMICALS USED ON COTTON - 2007

Pesticides 7.7% Insecticides 17.1%









SUSTAINABILITY AND WATER USE Australia 227 kg lint/mega liter Egypt 136 kg lint/mega liter Pakistan 50 kg lint/mega liter



ORGANIC COTTON & SUSTAINABILITY

- Reducing input costs drives many producer decisions.
- Conventional and organic production can co-exist.
 Profitability will drive decisions in the global supply chain.
- We must correctly understand sustainability and keep that at center of any discussion.

ORGANIC COTTON & SUSTAINABILITY

- Organic is NOT equivalent to sustainable.
- Sustainable is NOT equivalent to subsistence farming.
- Sustainability is equivalent to

FUTURE and LONG TERM PROFITIBILITY