

Cotton Research in the 21st Century



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TECHNICAL INFORMATION SECTION

Objectives:

- I. Provide update on cotton production research
- II. Gather information on cotton research programs
- III. Facilitate communications among researchers

TECHNICAL INFORMATION SECTION

I. Provide update on cotton production research:

THE ICAC RECORDER

Review articles

Technical Seminar at Plenary Meetings

TECHNICAL INFORMATION SECTION

II. Gather information on cotton research programs

1. *Cost of Production of Raw Cotton – 2013*
2. *Cotton Production Practices – 2014*
3. *Cotton Research, Input Supply and Technology Transfer – 2015*

TECHNICAL INFORMATION SECTION

III. Facilitate communications among researchers

Regional Cooperation

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

TECHNICAL INFORMATION SECTION

III. Facilitate communications among researchers

World Cotton Research Conferences

WCRC – 6 Goiania, Brazil (May 2-6, 2016)

Cotton Research in the 21st Century

What Happened in the 20th Century

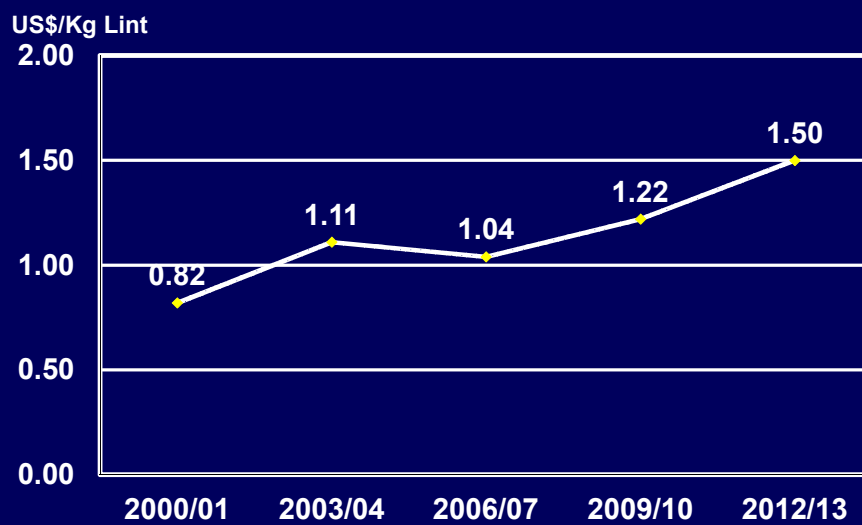
1. Cotton breeding adopted in almost every cotton producing country
2. Chemical fertilizers were commercialized
3. Pesticide use became an integral component of production technology
4. Agronomic emphasis increased

Turned cotton into a 'Technical Crop'

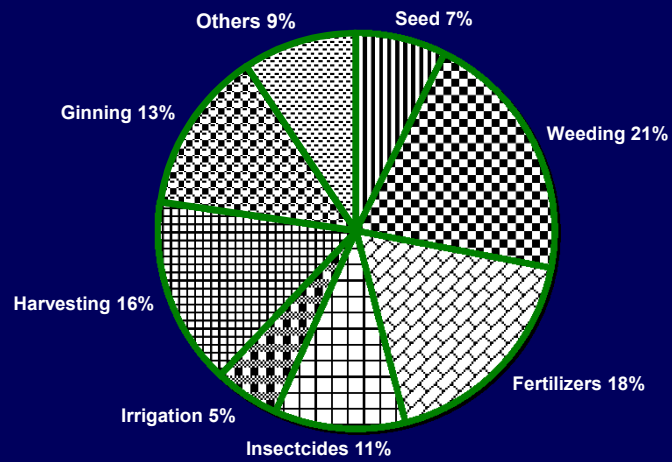
Important Cotton Events of the 20th Century

1. Upland cotton spread to many more countries
2. Production increased by 400%
3. Area increased by 50%
4. Yield increased by 283%

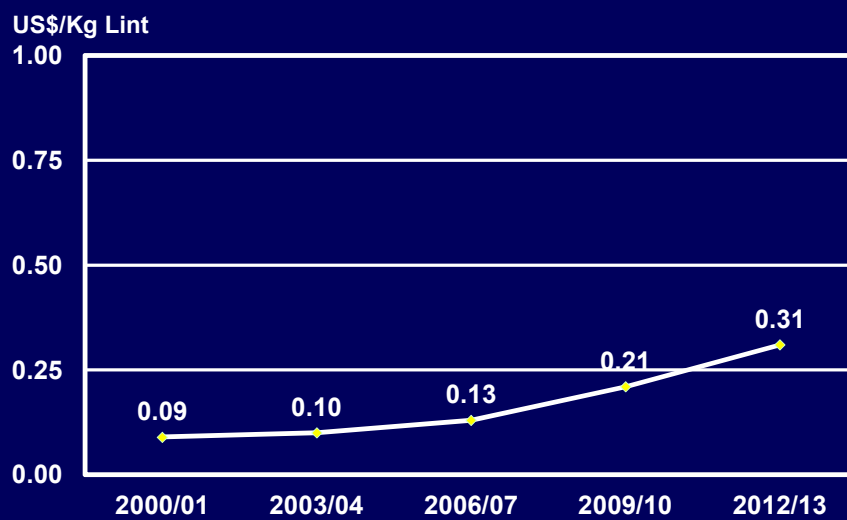
World Average Cost of Lint Production



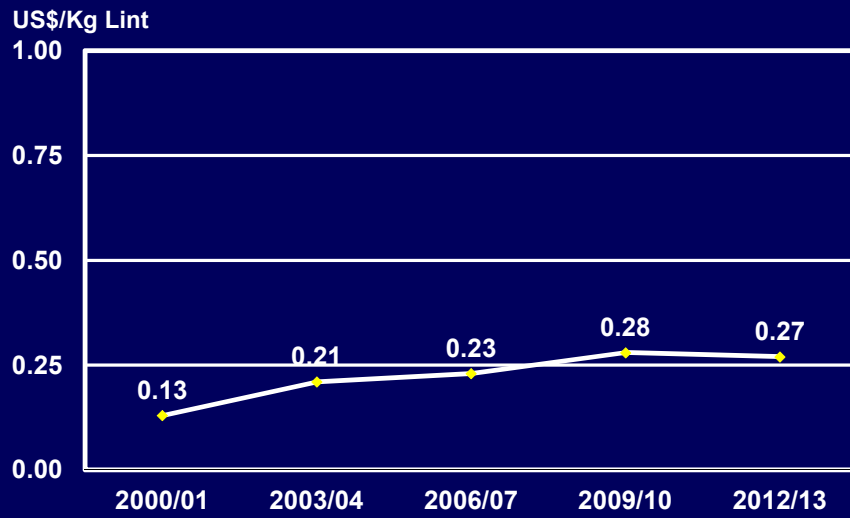
Structure of Cost of Lint Production – World Average



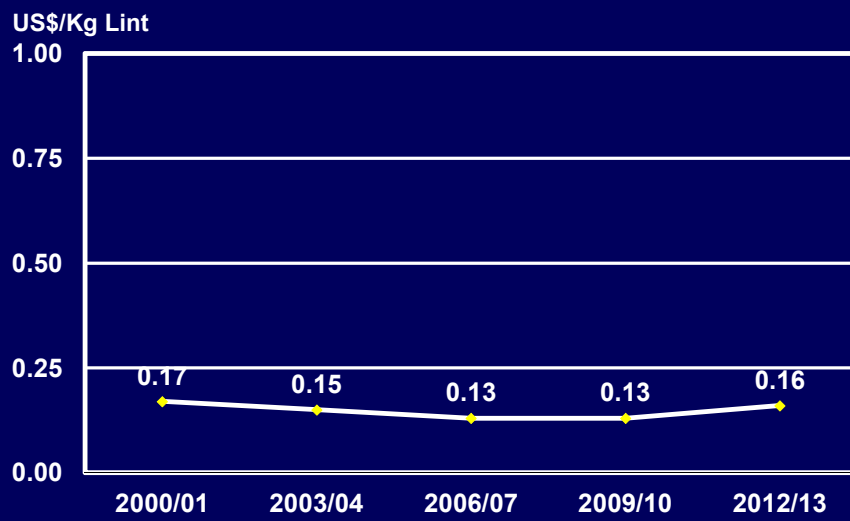
Cost of Weeding



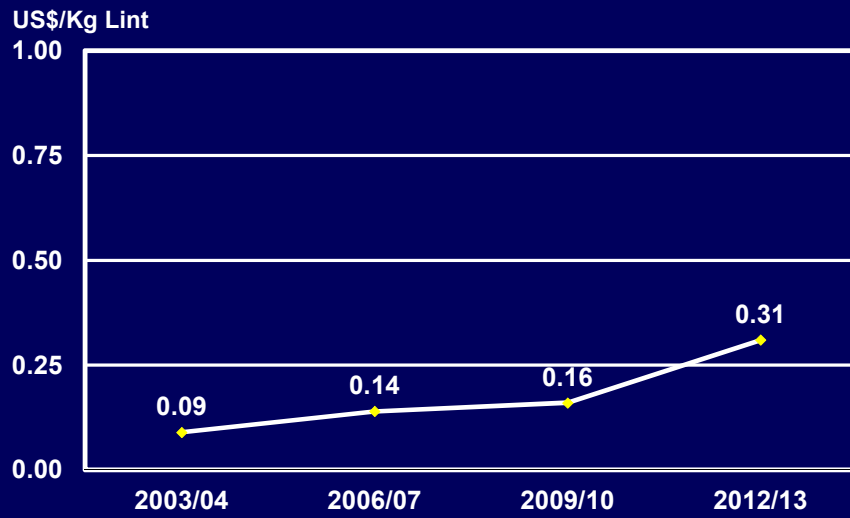
Cost of Fertilizer



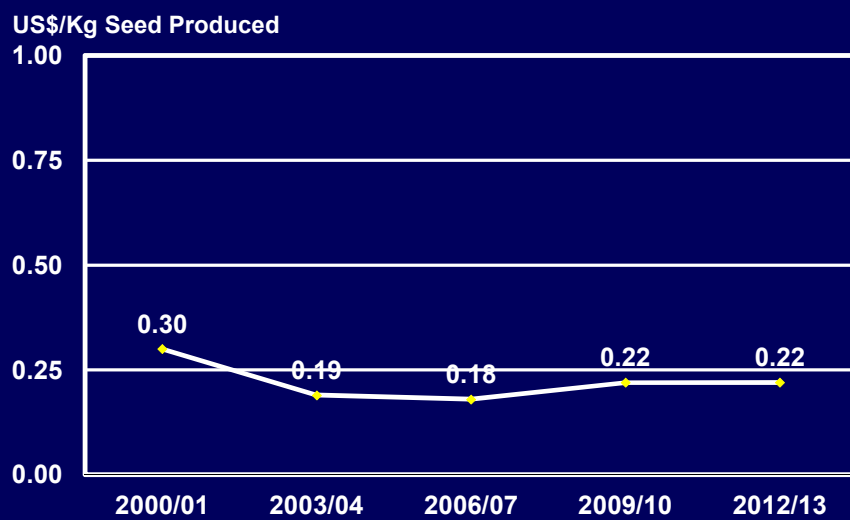
Cost of Insecticides



Cost of Harvesting



Seed Value After Ginning



21st Century Expectations!

1. At least double yields
2. No increase in area expected, rather lower area.
3. Insecticides have to be eliminated
4. In lab breeding of varieties
5. Capability to induct special features, one-by-one

21st Century Expectations!

6. Planting seed industry will flourish
7. Develop less expensive means of producing crops
8. Add value to by-products of cotton
9. International cooperation will increase
10. All mechanized production

Treat cotton as a 'Technical Crop'

International Cotton Researchers Association

International Cotton Researchers Association

Objectives:

- **International voice on cotton research**
- **Organize world cotton research conferences**
- **Strengthen networking among cotton researchers**
- **Facilitate rapid dissemination of research results**
- **Help identify priority areas of cotton research**

ICRA - Membership

- All researchers
 - Private or public
 - Retired or in service
 - ICAC member and non member countries

ICRA – Logo



Join at: www.icracotton.org

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