Mozambique Institute for Cotton

Transferring Technologies on Cotton by-products in Mozambique

Workshop on Cotton by-products (CBPs)

Geneve, Switzerland, 7 June 2019

Website: www.masa.gov.mz
Presentation outline

I. Country Profile

II. An overview of the cotton subsector;

III. Development of cotton by-products;

IV. Potential Benefits;

V. Main Challenges;

VI. Needs for Technological Transfer;

VII. Ways forward
I. Country Profile (1/2)

Mozambique

Demography (2017)
- Population: 28 million Hab. (36,1 Hab/Km2)
- Population growth rate: 2%
- The Capital: Maputo City

Land and Climate
- Area: ~36 million ha
- Suitability for Agricultural development

Key Economic indicators (2017)
- Currency: Metical, MT
- GDP: US$ 12.5 B (estimate)
- GDP per Capita: US$ 446
- Annual GDP growth rate: 3.4 %
- Contribution of Agricultural GDP: 23%
II. An overview of the cotton sector in Mozambique
i. Concession system

ii. 11 companies (20,000 jobs);

iii. 1,2 million farmers;

iv. 126,000– 180,000 ha, 700 kg/ha;

v. Seed cotton – 80,000 ton

vi. 4th agricultural export product

vii. A regulatory framework for cotton development
Cotton Stakeholders

IAM
- Monitoring
- Coordination
- Technical Assistance

FONPA
- Cotton farming

AAM
- Technical Assistance
- Ginning
- Follow the regulation

Price setting mechanism
Family sector dominant

- S. Associativo: 2.13%
- Prod. Aut.: 0.15%
- Prod. Directa: 0.90%
- S. Familiar: 96.83%
Seed Cotton Production
Lint production

![Graph showing lint production from 2007 to 2019(*). The production is measured in tons (1000 Tons). The highest production was in 2012, and the lowest was in 2017.]
III. Development of Cotton by-products
There is a huge potential for investment on cotton by-products
1. Cotton seeds
2. Cotton seed oil
3. Cotton seed cake
4. Soap
5. Cotton stalks
6. Linters
7. Cotton husks
IV. Potential benefits

i. Strengthening of the cotton seed system
ii. Stability of Farmers’ revenue
iii. Increase of the seed cotton yields
iv. Reduction of environmental pollution
v. Development of the local market
vi. Job creation
vii. Poverty reduction
V. Main challenges

i. Lack of awareness
ii. Low price of seed cotton
iii. Weather condition
iv. High cost of production
v. Limited financial support
vi. High cost of electricity
vii. Inadequate policy
viii. Competition
VI. Need for technological transfer

i. Capacity building (Awareness)

ii. Usage of Industrial waste

iii. Value addition at farm level using cotton stalks;

iv. Expeller pressing machine

v. Production of surgical cotton wools, bandages for medical purposes;

vi. De-gossipolisation
VII. Ways forward

New project:

i. Conduct Feasibility study

ii. Prepare project proposals

iii. Identify partners for implementation
"MOZAMBIQUE IN INCREASING PRODUCTION AND PRODUCTIVITY TO ZERO HUNGER ""