

COTTON CULTIVARS FOR AFRICA

Danie Olivier

[COTTON CULTIVARS FOR AFRICA]

CEACF, DAR ES SALAAM

7 April 2008

Danie Olivier



[SOUTH AFRICA]

COMMERCIAL FARMERS

- Machine pick
- Determinate – Indeterminate
- Disease tolerant
- Smooth leaf
- High quality
- High Lint%

SMALL HOLDER FARMERS (Emerging)

- Hand pick
- Indeterminate Variety
- Disease tolerant
- Hairy leaf
- High quality
- High Lint %



SOUTH AFRICA

- **Conventional Variety: DeltaOPAL**
 - 8% of total market
 - Main use as refugia
- **Roundup Ready Variety: DeltaOPAL RR**
 - 5% of total market
 - Use as refugia for Bt/RR cotton
 - Low insect pressure areas – weed control
- **Bollgard Variety: NuOPAL**
 - 7% of total market
 - Use in high insect pressure/low weeds
- **Bollgard/Roundup Ready Varieties**
 - 80% of market – high insect and weed pressure
 - NuOPAL RR – Med – long season
 - DP445 BG/RR – Short – med season
 - DP LEBOMBO BG/RR – Med – long season – hairy

MONSANTO



AFRICA

FOCUS ON VARIETIES ADAPTED TO AFRICAN ENVIRONMENT

- Indeterminate
- Hairy
- Big Bolls (hand picking)
- Disease tolerance
 - Xanthomonas (bacterial blight)
 - Fusarium
 - Verticilium
- Quality
- High Lint %

MONSANTO



TESTING VARIETIES

Own Varieties

Contracted Varieties (Royalty Based)

■ Aim

- Conventional Market
- Transgenic market
 - Bt
 - Bt/RR



GMO COTTON

- Increase Yields – Profitability
- Reduce Insecticide use
- Cleaner / Healthier Environment
- Conservation tillage
- Future !!! – drought tolerant crops



Current activities

- Kenya -3 years of Bt testing
- Uganda – awaiting approval from NBC
- Malawi – in negotiating process
- Burkina Faso – final negotiations
plant May ' 08



Conventional Cotton Kenya



Bollgard Cotton Kenya

