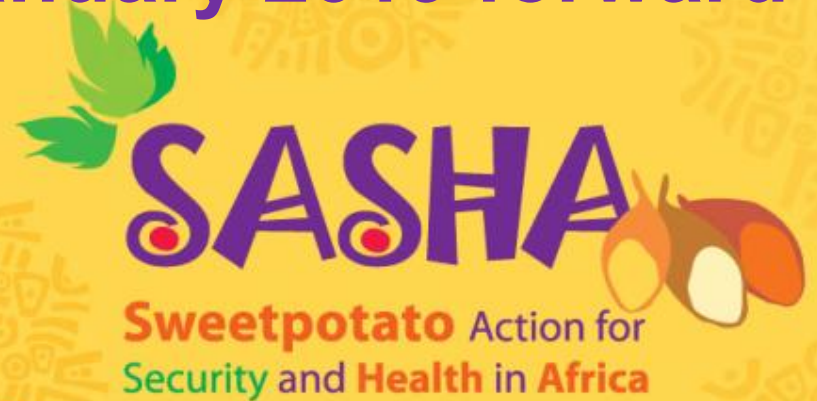


# Sustainable sweetpotato pre-basic seed production Business Continuity: January 2019 forward



Elizabeth Ngundo, KEPHIS  
Sweetpotato Seed Systems Community of Practice: 10th  
Consultation- Sustainable Pre-basic Seed Production – SGA  
Progress Review. Nairobi, Kenya 13-14 November 2018

# Fact sheet

## Map of Country



## Flag



## Population

49.7 million (2017)

## GDP

74.94 billion USD (2017)

# Fact sheet



Rainfall pattern/seasons	<b>March – May (Long rains), October – December (Short rains)</b>
Sweetpotato national root production statistics	- <b>1.2 million Mt annually (FAOSTAT 2016)</b>
Significance of sweetpotato to national food security	- <b>-resilience to climate change.</b> - <b>higher nutrition value (OFSP)</b> - <b>high yielding</b>
Organization’s mandate for EGS production	- <b>Produce clean sweetpotato pre-basic planting material Through Tissue culture involving virus indexing and clean up .</b> - <b>To supply DVMs with sweetpotato pre-basic seed for multiplication thereby ensuring quality vines for root production in Kenya</b>
Product (prebasic/basic)	<b>Pre-basic</b>
Activities: TC Lab	<b>Initiation,Virus elimination and multiplication</b>
Screenhouse	<b>Multiplication</b>
Virus testing	<b>NCM ELISA for virus testing</b>
Varieties in production	<b>Kabode, Vitaa,Mugande, Chebolol, Kakamega, Naspot 12, Naspot 13, Sumaiya, Carrot C, Carrot Dar (as at October 2018)</b>

# Fact sheet



Varieties in the pipeline	<b>Bungoma Variety and any other variety on demand</b>
EGS Production (seed) trends – 3 years	<b>2016 – 27,370 cuttings</b> <b>2017 – 114,425 cuttings</b> <b>2018 – 16,111 cuttings</b>
Sales Trends (seed) – 3 years	<b>2016 – Ksh 1,179,500</b> <b>2017 – Ksh 1,774,410</b> <b>2018 to 19<sup>th</sup> October – Ksh 236,850</b>

# Institution Assessment Pillars



<b>Policy</b>	3.1
<b>Social economic</b>	3.2
<b>Finance &amp; Admin</b>	3.0
<b>Technical</b>	3.0

# Peer to peer review



## Technical Pillar

- Production targets in place
- Multiplication calendar
- Quality assurance procedures in place

# Peer to peer review



## Finance and Administration

- RF management committee in place
- RF reviews and approves budgets for production
- Marketing strategies in place

# Peer to peer review



## Social cultural pillar

- Staff understands and supports implementation of the business plan

## Policy Pillar

- KEPHIS senior management supports the business
- Stakeholders are involved in review of standards and strategies ( seed policy, seed regulations are currently under review to incorporate VPM)



## Going Forward

- Continue with marketing using various forums e.g. awareness trainings, Agricultural shows and social media platforms ( face book, WhatsApp e.t.c)**
- Continue incorporating more varieties on demand in the business plan**
- Sensitize other private entities to take up pre-basic seed production and support them**
- Continue sensitization on importance of clean planting materials**
- Source for financial support to support the pre-basic production**

# TOWS strategies to strengthen business plan



## **Use strengths to capitalize on opportunities (SO)**

- Use existing personnel, infrastructure and public private partnerships to enhance customer feedbacks and sweetpotato promotion.

- ✓**Joint awareness with other KEPHIS planned awareness activities**

- ✓**Actively seeking out opportunities to meet with county executives (Agriculture) of targeted county areas in order to influence policy and strategy to include sweetpotato production**

# Progress with strategies to strengthen business plan



## **Minimize weaknesses by taking advantage of opportunities (WO)**

- Improve staff expertise through exchange visits and training programs and adopt usage of ICT in documentation
- ✓ **One TC Lab staff (Stephen Khisa) was nominated and sponsored by KEPHIS to participate in India on a training techniques of Tc lab.**
- ✓ **Planning for exchange visit to CIP –LIMA labs**
- ✓ **Currently using barcord labels and a database in place for germplasm recording**
- Put in place a system of rewarding staff to motivate them thus improving on competition
- ✓ **In negotiation with management since KEPHIS has a policy on rewards based on performance**

# Progress with strategies to strengthen business plan



## **Use strengths to minimize threats (ST)**

- Enhance public private partnerships to overcome threats emerging from limited funding, marketing and competition through joint activities such as joint proposal writing, training and market awareness

- ✓ **Seeking for funds to support the business by using other institutions' projects e.g. Feed the Future project**

- ✓ **Supporting other willing private/public organizations to establish a sweetpotato seed system including pre-basic seed production, registering as seed merchant**

- ✓ **Training others on TC techniques**

# Next steps with implementation of business plan



- **Marketing:** Continue promotion of certified clean planting materials
- Encourage others (public and private sector) to embrace sweetpotato business
- Promotion of OFSP in school feeding programs
- Continue to incorporate more varieties based on demand

# Message of commitment from Head of Institution



“KEPHIS is committed to work in collaboration with the county governments and other stakeholders to ensure availability of clean, certified sweetpotato planting material and especially OFSP since this will address the presidents **Big four Agenda Pillar on food and Nutrition security**”

**Dr. Esther Kimani- Managing Director KEPHIS**