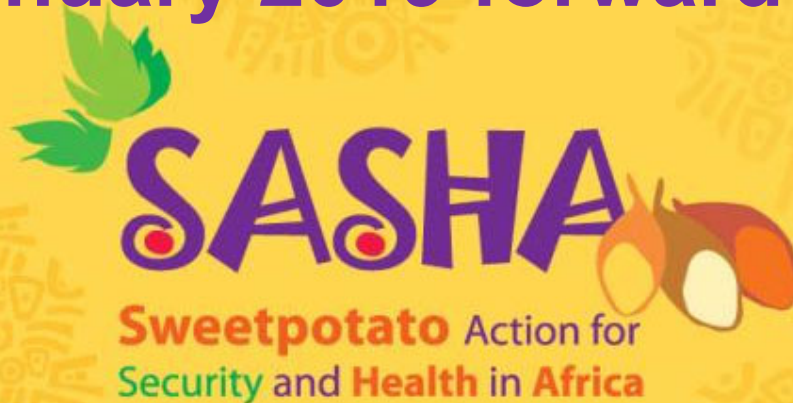
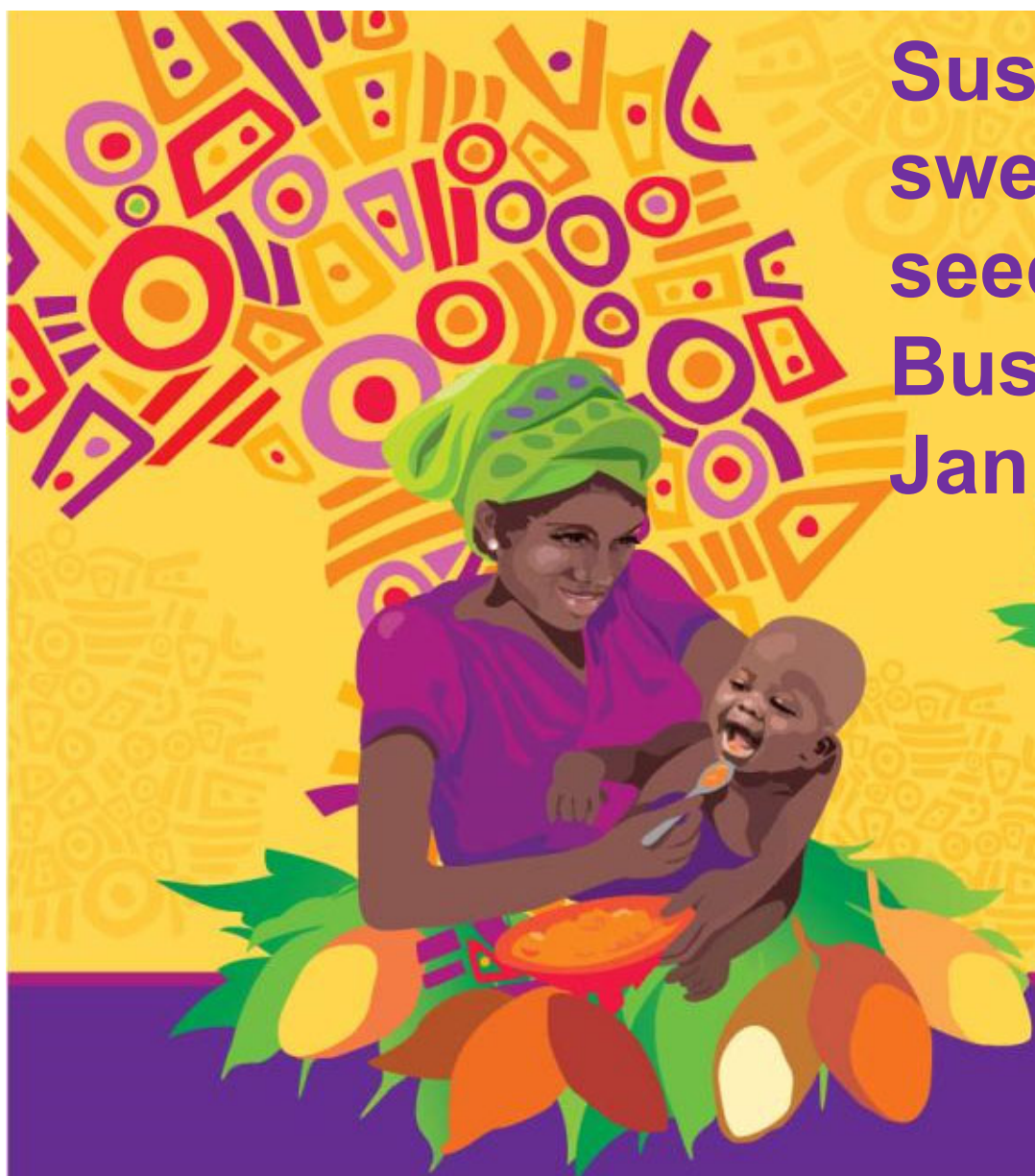
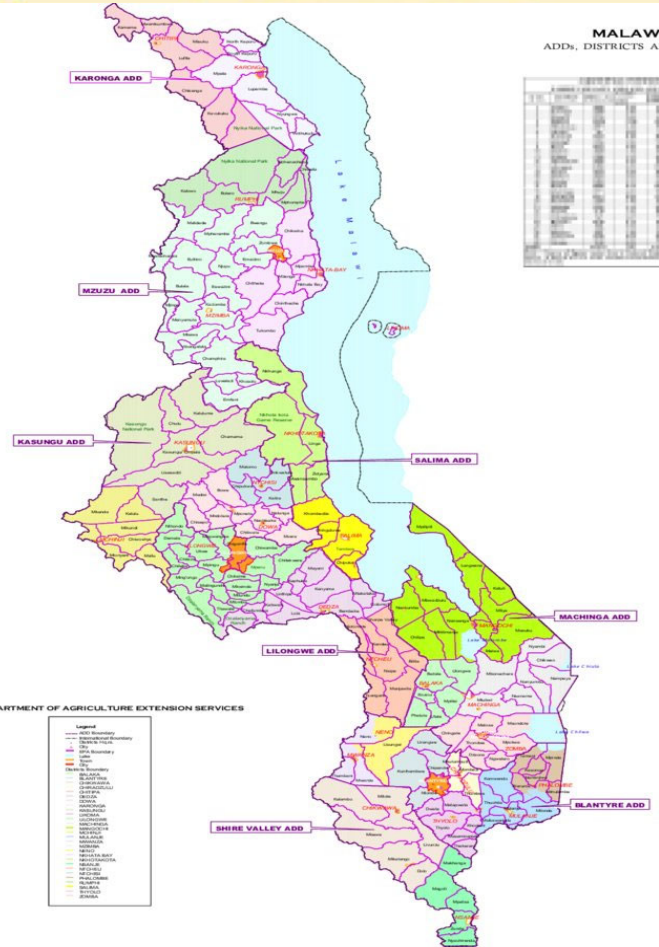


Sustainable sweetpotato pre-basic seed production Business Continuity: January 2019 forward



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

Fact sheet



| | |
|---------------------------------|--|
| Population | 19,196,246 |
| GDP | \$6.206 BILLION (2017 ESTIMATES) |
| Rainfall pattern/seasons | UNIMODAL (starting from November – April) |

Fact sheet



| | |
|---|--|
| Significance of sweet potato to national food security | <ul style="list-style-type: none"> • FOOD CROP –FORTH MOST IMPORTANT FOOD CROP AFTER MAIZE, CASSAVA & RICE • CASH CROP-ROOT AND VINES SALES • NUTRITION SECURITY-CARBOHYDRATES, BETA-CAROTENE, OTHER VITAMINS • FOOD SECURITY CROP-PRIORITY CROP FOR GOVERNMENT IN THE EVENT OF CROP FAILURES DUE TO DROUGHT AND FLOODS |
| Organization’s mandate for EGS production | PRODUCTION OF PRE-BASIC AND BASIC SEED IN ORDER TO INCREASE AVAILABILITY OF QUALITY SWEETPOTATO VINES OF IMPROVED VARIETIES THAT WILL PRODUCE HIGH YIELDS, QUALITY ROOTS, WIDE CONSUMER ACCEPTABILITY, AND LONG SHELF LIFE |
| Product (prebasic/basic) | |
| Activities: TC Lab | <ol style="list-style-type: none"> 1. INITIATION OF PLANTLETS 2. RAPID MICRO PROPAGATION 3. MAINTENANCE OF CLEAN PLANTING MATERIAL |
| Screen house | <ol style="list-style-type: none"> 1. HARDENING OF TC PLANTLETS 2. RAPID MULTIPLICATION OF PRE BASIC CUTTINGS THROUGH SANDPONICS AND CONVENTIONAL METHODS/TECHNIQUES |
| Virus testing | <ol style="list-style-type: none"> 1. GRAFTING ON I. SETOSA 2. NCM-ELISA VIRUS INDEXING |

Fact sheet



Varieties in production

White/cream Fleshed Sweet Potato:

1. TAINONI,
2. LUNYANGWA,
3. KAKOMA,
4. SALERA,
5. SEMUSA,
6. KENYA,
7. MUGAMBA,
8. KAJIYANI (New)
9. SAKANANTHAKA,
10. YOYERA,
11. SUNGANI,
12. NYAMOYO

Orange Fleshed Sweet Potato:

1. KAMCHIPUTU,
2. ZONDENI,
3. KADYAUWELERE,
4. MATHUTHU,
5. CHIPIKA,
6. KAPHULIRA,
7. ANAAKWANIRE,
8. ROYAL CHOICE (New)
9. MTETSANJARA (New)
10. MSUNGABANJA (New)

Varieties in the pipeline

NONE (Just released 5 in the past year)

Fact sheet



| EGS Production (seed) trends – 3 years | PRE BASIC (CUTTINGS) | BASIC |
|---|-----------------------------|----------------|
| 2015-16: | 11,479 | |
| 2016-17: | | 387,200 |
| 2017-18: | 15,465 | 425,500 |

| Sales Trends (seed) – 3 years | PRE BASIC | BASIC |
|--------------------------------------|-------------------|---------------------|
| 2015-16: | 77,000 MK | |
| 2016-17: | | 1,626,000 MK |
| 2017-18: | 144,000 MK | 1,898,500 MK |

Fact sheet



| Peer to peer review | SCORE |
|---------------------|---|
| Going Forward | <p>TECHNICAL PILLAR: 2.6</p> <p>FINANCE AND ADMIN PILLAR: 3.1</p> <p>SOCIAL CULTURAL PILLAR: 3.4</p> <p>POLICY PILLAR: 3.2</p> |

Progress with (TOWS) strategies to strengthen business plan



1. **Maxi-maxi:** *Strategies to maximise strengths to maximise opportunities*

- Senior management to discuss potential collaboration with colleges and universities for training and research on implementation of business plans, and include these training opportunities in annual staff work plans
 - Training needs for Technical staff involved in EGS were incorporated in the Horticultural Commodity training priority list
- DARS staff to actively participate in opportunities for exchange visits and sweet potato seed systems community of practice on-line discussion forum to exchange experiences with other NARIs on implementing the business plan
 - DARS Technical staff involved in EGS have recently participated on-the-job refresher course (By Rosemary Gatimu) and exchange visit to India (Commercial Tissue culture lab)
 - Inclusion of DARS economists in the EGS marketing strategists
 - DARS EGS technical team is active on on-line discussion forum (Obed, Kennedy & Margaret)
 - Senior management of DARS actively involved in the peer review of fellow NARIs (FM Chipojola)

Progress with (TOWS) strategies to strengthen business plan



- 1. Mini-mini: Strategies to minimise weaknesses to mitigate threats**
 - Increase revenue into RF, earmark funds from RF for training to reduce threat of reduction in external sources of training funds
 - Advertised DARS pre-basic and basic sweetpotato seed in the print media, stakeholder forums

Progress with (TOWS) strategies to strengthen business plan



1. **Mini-max: Strategies to minimise weakness to maximise opportunities**

- Conduct systematic capacity needs assessment and training plan to support the EGS business implementation; and by increasing and diversifying revenue sources (RF, development partners, private sector, DARS service charter provision) DARS can take advantage of college and university business training opportunities
 - **Systematic needs assessment to support the EGS-is yet to be done**
- Disseminate and promote the success of the government policy in relation to RF/FO for sweetpotato; to increase visibility, reduce risk of change of government policy in this area and attract further support from external development partners
 - **Government policy on RF/FO open to public**
 - **Done adverts, stakeholder meetings, field days and agricultural fairs on business viability of EGS**

Progress with (TOWS) strategies to strengthen business plan



- **Maxi-mini:** *Strategies to use strengths to minimize threats*
- Use annual planning cycle to systematically identify and plan training needs, so that available resources are used most effectively.
 - Annual planning cycle guides in identification and plan for training needs
- Use government policy to review targets for matching funds to the FO/RF, to ensure that revenue increases in line or above inflation, so that value of training funds are not eroded.
 - Yet to be implemented
- Use supportive government policy environment for FO/RF to recognize and motivate staff to achieve higher staff retention.
 - Both training and monetary incentive taking place

Progress with strategies to strengthen business plan



– Full institutionalisation of the business plan:

- Establishment of structures (bodies) across DARS stations to oversee implementation of the plan
- Fund order/Revolving fund is governed by financial management Act and therefore subjected to audit (both internal and external)

Next steps with implementation of business plan



- **Capacity building and training specifically on:**
 - Record keeping
 - Marketing
- **Increase public awareness on use of clean planting materials of the improved cultivars and therefore increase demand;**
 - Radio jingles
 - Market shows
 - Brochures
 - Field days/agricultural/seed fairs
 - Stakeholder meetings

Message of commitment from Head of Institution



- DARS management already committed to the production EGS of sweetpotato. The model of Revolving Fund inline with the **Agricultural Research Treasury fund** which seeks to increase revenue generation of stations at the same time making available clean planting materials to the public
- Expected level of EGS production by 2020
 - Pre Basic 50,000 cuttings
 - Basic 800,000 cuttings