



**Sustainable  
sweetpotato pre-basic  
seed production Y3  
Annual Report: June  
2016 – May 2017**

**SASHA**

**Sweetpotato** Action for  
Security and Health in Africa



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Sweetpotato Seed Systems Community of Practice: 7th  
Consultation- Sustainable Pre-basic Seed Production – SGA  
Progress Review. Mukono Uganda 12<sup>th</sup> June

# Production: capacities?

Period: current status at end of Y3 (May 31, 2017)

Facilities	No. units	Irrigation (Y/N)	Total m <sup>2</sup>	Method (poly, pot, bench/trough, open)	RMT/Conventional	Total no. of plants	Multiplication Rate
Screen house	3	Yes	956	Pot and poly and tray		8,000 plants 100000 plugs	7 1
Mobile net tunnels	12	yes	1080	open		36000	10
Open field multiplication							
Basic seed multipliers	1	yes	4000	open	conventional	22222	15

# Production: targets vs actuals?



Names of varieties under pre-basic multiplication:

Period: **June 2016 – May 2017**

<b>Activities</b>	<b>Unit (&amp; size)</b>	<b>Planned No. (June 16 – May 17)</b>	<b>Achieved (June 16 – May 17)</b>	<b>% achievement</b>
TC initiation	Plantlets			
TC micro-propagation	Plantlets	2500	2200	88
Hardening	Plants	22000	2000	91
Screen house multiplication	Cuttings	36000	61000	169
Mobile net tunnel multiplication	Cuttings	600000	420000	70
Open field multiplication	Cuttings	1500000 (1.5 ha)	0.5 ha planted	33

# Comments on production targets



- Actions taken during year 3 to increase multiplication rates:
  - Basic seed multiplication and production of 2<sup>nd</sup> ratoon (3<sup>rd</sup> harvest) in screenhouses
- Actions taken during year 3 to reduce costs of production:
  - none
- Key challenges for year 3:
  - Power fluctuation and failure
  - Water both tap and irrigation
- Lessons to share for year 3:
  - None

# Quality management: June 2016- May 2017



- No. of plants virus indexed (grafted on / *Setosa* and tested with NCM-ELISA)
  - None
- % tested over last year and results - nil
- Seed standards and inspection protocol
  - Current status: Approved protocols for both QDS and pre-basic/basic seed
  - Are external inspections being conducted for field multiplication: Being conducted by the regional BoA



# Stakeholder meetings: June 2016 – May 2017, and planned



Date of meeting held	No. participants (M/F)	Types of participant	Main topics	Follow up actions
Not conducted				
<b>Planned meetings (June 17 – May 18)</b>				
Proposed Date	No. participants	Types of participants	Main topics	Proposed budget
September	30	Heads of - NGOs, - GOs, - Seed multipliers	<ul style="list-style-type: none"> <li>- Seed demand</li> <li>- Problems in purchase process</li> <li>- Issues of linkage and sustainability</li> </ul>	50,000 Birr

# Training – in-country (June 16 – May 2017)

Date	Topic	No. participants (M/F)	Training materials available	Comments
	None			Technicians 3 from TARI and 2 from TBC trained by EIAR at Holeta
<b>Planned for June 2017 – May 2018</b>				
Date	Topic	No. participants (M/F)	Training materials available	Proposed budget
	TC techniques and lab hygiene	5		10000 Birr

# Marketing strategy: June 2017 – May 2018



	<b>Target group</b>	<b>Message &amp; activity</b>	<b>Time period</b>	<b>Channel/s</b>	<b>Responsible</b>	<b>Proposed budget</b>	<b>Indicator of success</b>
1.	All stakeholders	annual planning and review meeting	September	Face to face (meeting)	BoA, TARI	50,000	List of participants and signed minutes
2.	NGOs (Buying institution)	Discussion and promotion of the Nutrition and food security benefits of OFSP	December	Office visits	BoA, TARI	8000	Formal commitment of vine purchase



# June 17 - May 2018: key areas for strengthening performance of bizplan



- Technical
  - Minimize contamination by modifying lab rooms arrangement and modification of lab. Training of technicians
  - Automation of power and total avoidance of power blackouts
  - Installation of quality water system in lab and greenhouses
- Institutional
  - Assignment of additional research staff to follow up the seed system in addition to the PI
- Financial
  - Improve recoding of costs
  - Plan and get approved annual budget from the revolving fund

# 2 BEST PHOTOS



- Activity: Evaluation of Root size on Triple S study
- Location and date: Mekele Research Center, Nov. 16, 2016
- Photo credit: Beyene Demtsu



- Activity: FRG evaluating Triple S
- Location and date: Hawzien farmers' house, Nov. 16, 2016
- Name of person in person: Gebekidan(left), Kidanu (right)
- Photo credit: Beyene Demtsu