



**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	1	Y	145	Wooden trough		9000 (cuttings)	5
Mobile net tunnels	N/A	N/A	N/A	N/A		N/A	N/A
Open field multiplication	Acres	Y	2	Ridges	8-10	66,666	8-10
Basic seed multipliers							

# Production: targets vs actuals?



Names of varieties under pre-basic multiplication: NASPOT 12 O, NASPOT 13 O, Dimbuka-Bukulula, Others (NASPOT 1, NASPOT 9, NASPOT 10, EJUMULA, SPK 004)

Period: **June 2016 – May 2017**

Activities	Unit (& size)	Planned No. (June 16 – May 17)	Achieved (June 16 – May 17)	% achievement
TC initiation	Plantlets	10	8	80
TC micro-propagation	Plantlets	300	300	100
Hardening	Plants	180	180	100
Screen house multiplication	Cuttings	9000	9000	100
Mobile net tunnel multiplication	Cuttings	NA	NA	NA
Open field multiplication	Cuttings	64,000 (80 bags)	64,000	100

# Comments on production targets



- Actions taken during year 3 to increase multiplication rates:
  - Use of wooden boxes in place of buckets
  - Use of foliar fertilizer (Rapid Grow) and organic manure
  - Integrated crop management (weeding, watering, insecticide spraying)
- Actions taken during year 3 to reduce costs of production:
  - Use of organic manure (poultry manure) in place of Use of foliar fertilizer (Rapid Grow)
- Key challenges for year 3:
  - Low multiplication rates of Dimbuka-Bukulula in screen house
  - Small capacity of the pre-basic seed screen house
  - Prolonged drought that affects establishment of the basic seed multiplication and the comparison experiment
- Lessons to share for year 3:
  - Bigger soil substrate size and fertility increases multiplication rates



# Quality management: June 2016- May 2017



- No. of plants virus indexed (grafted on / *Setosa* and tested with NCM-ELISA) 45 plants (15 per variety)
  - 45 found negative (100%)
- % tested over last year and results
  - Variety: NASPOT 12 O Result: Negative
  - Variety: NASPOT 13 O Result: Negative
  - Variety: Dimbuka Bukulula Result: Negative
- Seed standards and inspection protocol
  - Current status: Published, ready for use by MAAIF
  - Are external inspections being conducted for field multiplication- Yes

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



Date of meeting held	No. participants (M/F)	Types of participant	Main topics	Follow up actions
3 <sup>rd</sup> March	30 males 12 females	Vine multipliers, MAAIF Crop Inspectors, CIP, HP, NARO, MAK, NGOs	Role of clean seed in enhancing productivity. Identifying key partners	Cleaning up farmer preferred varieties

## Planned meetings (June 17 – May 18)

Proposed Date	No. participants	Types of participants	Main topics	Proposed budget
January, 2018	40	Multipliers, Crop Inspectors, CIP, HP, NARO, NGOs	Impact of inspection & certification	6,000,000

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



Date	Topic	No. participants (M/F)	Training materials available	Comments
17 <sup>th</sup> November 2016	Sweetpotato field day on production technologies and seed systems	Approximately 200	Brochures	A well attended field day by district and sub-county production coordinators, NGO staff and farmers

## Planned for June 2017 – May 2018

Date	Topic	No. participants (M/F)	Training materials available	Proposed budget
March , 2018	Sweetpotato field day on production technologies and seed systems	Approximately 200	Brochures, Posters, Pull up burners, value added products	5,000,000

# Marketing strategy: June 2017 – May 2018



	Target group	Message & activity	Time period	Channel/s	Responsible	Proposed budget (UgX)	Indicator of success
1.	Root producers , CBOs, multipliers	Role of clean seed in enhancing productivity & Field days	March, 2018	Brochures, demo plots, value added products from OFSP	Technicians, PI and socio-economist	5,000,000	Orders for seed recorded
2.	Multipliers , NGOs, FGs	Effective seed distribution , DVM network marketing	Aug 17- March 18	SMS, radio, TV	Technicians, PI and socio-economist	5,000,000	



# Marketing strategy: June 2017 – May 2018



	Target group	Message & activity	Time period	Channel/s	Responsible	Proposed budget (UgX)	Indicator of success
3	Value addition actors (backward linkage)	Value addition as driver for seed systems	Sept 17 – Mar 18	Print media (e.g. New vision)	Communication officer	3,000,000	Increased demand for seed by value chain actors
4	Total					13,000,000	

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



- Technical

Capacity building of robust data collection at TC and Screen house, develop automated data collection system

- Institutional

Full operationalization in the NARO strategic plan

- Financial

Solicit seed investment funds from NARO core funds to scale-up seed production which can reimbursed after seed sales



Stakeholders who participated in the 2<sup>nd</sup> sweetpotato stakeholders' meeting held at Root Crop conference Hall on 3<sup>rd</sup> March, 2017. Photo by Everline





Doreen Chelangat planting the SASHA Comparison experiment at NaCRRI on 29<sup>th</sup> March, 2017. *Photo by Paul Musana*