



**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 12th June

Production: capacities?

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

Facilities	No. units	Irrigation (Y/N)	Total m ²	Method (poly, pot, bench/trough, open)	RMT/ Conventional	Total no. of plants	Multiplication Rate
Screen house	2	Y	288	bench	-	6000	4 (3-4 node cutting) cuttings per harvest
Mobile net tunnels	-	-	-	-	-	-	-
Open field multiplication	-	-	-	-	-	-	-
Basic seed multipliers	1	Y		open	-	-	-

Production: targets vs actuals?



Names of varieties under pre-basic multiplication: **Kabode, Vita, chebolol, Mugande, KENSPOT 1**

Period: **June 2016 – May 2017**

Activities	Unit (& size)	Planned No. (June 16 – May 17)	Achieved (June 16 – May 17)	% achievement
TC initiation	Plantlets	700	1074	153%
TC micro-propagation	Plantlets	2600	1030	40%
Hardening	Plants	2600	1030	40%
Screen house multiplication	Cuttings	5600	6000	107%
Mobile net tunnel multiplication	Cuttings	-	-	-
Open field multiplication	Cuttings	-	6000	-

Comments on production targets



- Actions taken during year 3 to increase multiplication rates:
 - **Trailing of vines using wires on the benches**
 - **Open field multiplication**
- Actions taken during year 3 to reduce costs of production:
 - **Reduce TC multiplication and increase screen-house production**
 - **Use of LED bulbs in TC to reduce electricity consumption**
- Key challenges for year 3:
 - **Market for vines**
- Lessons to share for year 3:
 - **Reduce TC multiplication and increase screen-house production to reduce cost of production**
 - **Trailing of vines using wires on the benches to increase multiplication rates**
 - **Real time costing to maximise on profits**

Quality management: June 2016- May 2017



- No. of plants virus indexed (grafted on *I. Setosa* and tested with NCM-ELISA)
Four (Vitaa, kabode, chebolol and mugande)
 - No. found negative (and %)
- % tested over last year and results
 - Variety:.....Chebolol.....result: Negative
 - Variety:.....Kabode..... result: Negative
 - Variety:.....Vitaa.....result: Negative
 - Variety:.....Mugande.....result: **Positive SPMMV**
- Seed standards and inspection protocol
 - Current status: **Seed and plant variety act has been reviewed and sweetpotato has been put under schedule 2 (mandatory certification)**
 - **Inspection protocol reviewed**
 - 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
15 th to 16 th November 2016	21 Male/ 8 Female	Multiplier, Root producers, Extension, Research, NGOs, CIP projects, MoALF, KEPHIS	<p>KEPHIS role on OFSP pre-basic seed</p> <p>Feedback on sweetpotato certification standard</p> <p>Demand projection</p> <p>highlights of costing</p>	<p>Organise meeting to review of certification standard</p> <p>Supply vines for orders received</p>
10 th January 2017	12 Male /7 Female	Research, NGOs, CIP projects, MoALF, Seed Merchant, KEPHIS	Review of sweetpotato seed certification standard	Circulate reviewed protocol for use

Stakeholder meetings: June 2016 – May 2017, and planned



Planned meetings (June 17 – May 18)

Proposed Date	No. participants	Types of participants	Main topics	Proposed budget (Ksh)
October 2017	30	Multiplier, Root producers, Extension, Research, NGOs, CIP projects, MoALF, KEPHIS	Demand projection Multiplication calendar	360,000

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



Date	Topic	No. participants (M/F)	Training materials available	Comments
1 st to 3 rd August 2016	ISO 17025 implementation training	Male-11 Females -10	Ppts Handouts	Supported maintenance of Virology lab accreditation

Planned for June 2017 – May 2018

Date	Topic	No. participants (M/F)	Training materials available	Proposed budget
August 2017	Sweetpotato certification protocol implementation	15 Male 15 Female	Ppts Handouts	250,000 Ksh

Marketing strategy: June 2017 – May 2018

	Target group	Message & activity	Time period	Channel/s	Responsible	Proposed budget (Ksh)	Indicator of success
1.	NGOs/institutions/projects,	importance of clean planting material	All through seasons	Website Demo plot, Posters, Brochure, Tv advert	Communication department, PI	73,000	Orders received
2.	Root producers	importance of clean planting material	All through seasons	Posters, brochures, roll up banners	Communication department, PI	40,000	Orders received
3	Multipliers	importance of clean planting material	All through seasons	Demo plot, Posters, Brochure, Tv advert	Communication department, PI	30,000	Orders received

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



Technical

- Refresher trainings for technical staff (Tissue culture, Virus indexing, Greenhouse management and Strategic business management)

Institutional

- Lengthy government procurement systems.

Financial

- Fast tracking of budget approvals and disbursements of funds

2 BEST PHOTOS



Activity: Trailing of vines
Location and Date: KEPHIS PQBS
propagation room on 21st November 2016
Name of person in photo: I.Obare & S.Khisa
Photo credit: E.Ngundo



Activity: Real time data collection for
costing
Location and Date: KEPHIS PQBS
propagation room
Name of person in photo: I.Obare
M.Mwangangi & S.Khisa
Photo credit:Srini