



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

SASHA

Sweetpotato Action for
Security and Health in Africa



Name, institution D. Mende, ARI Uyole, Mbeya
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
S. house – UK	3	Y	634	B	RMT	4,072	1:5
-KBH	3	Y	675	T, P, B	RMT	16,875	1:5
-UY	1	Y	361	T	RMT	7000	1:5
Open field multiplication-KB	1	Y	1202	O	RMT	29,950	1:4

Production: targets vs actuals?



Names of varieties under pre-basic multiplication:

Period: **June 2016 – May 2017**

Activities	Unit (& size)	Planned No. (June 16 – May 17)	Achieved (June 16 – May 17)	% achievement	
TC initiation and micro-propagation	Plantlets	NA			
Hardening	Plants	NA			
S. house multiplication-	UK	Cuttings	200,000	412,358	206%
	KBH	Cuttings	200,000	153,715	76%
	UY	Cuttings	100,000	19036	19%
Open field multiplication	Cuttings	50,000	29,950	60%	

Comments on production targets



- Actions taken to increase multiplication rates:
 - Applying Farm yard Manure, Nitrogen fertilizers and YARA Mira
 - Rapid Multiplication
- Actions to reduce costs of production:
 - Installation of drip irrigation system (1 screen house)
 - Open field to cover management cost
 - Reduce sunlight by black nets (Reduce evapotranspiration)
 - Harvesting rain water for dry season
- Key challenges:
 - Lack reliable water for irrigation, Insect pest (Mealy bug)
- Lessons to share:
 - Production of seeds should focus on needs from farmers: Sensitization is important before screen house planting .
 - Platform initiation: Eg WhatsApp group

Quality management: June 2016- May 2017



- No. of varieties under multiplication: 6 (UK), 9 (KB) & 3 (UY)
- No. of plants virus indexed (grafted on *I. setosa*)
 - UK 7 plants (Kabode, Polista, UKG 05 and Naspot 11)
 - Samples have been collected from the three zones and lab results are not ready
 - Ukiriguru -collected 110 infected 5%
 - Uyole-collected 90 infected 0%
 - Kibaha-collected 130 infected 2%
- Seed standards and inspection protocol follow TOSCI protocol
 - Inspectors from Morogoro and Mwanza have inspected materials respectively

Stakeholder meetings: June 2016 – May 2017, and planned



Date of meeting held	No. participants (M/F)	Types of participant	Main topics	Follow up actions
Uyole Kibaha Ukiriguru	41 45 (47%/53%) 25 (20M/5F)	Media, farmers, multipliers, extension, researchers, NGOs,	Clean seeds Multiplication Monitoring Awareness	The district council to consider relocating funds for seed system, capacity building to DVMs

Planned meetings (June 17 – May 18)

Proposed Date	No. participants	Types of participants	Main topics	Proposed budget
Kibaha- Nov 2017	60	Farmers Multipliers, media, researchers	Clean seeds and harvesting Demo plot Clean seeds,	KBH=\$ 3244
Ukiriguru –Aug, Sept 2017	105	Extension, TOSCI		UK = \$ 23,000
Uyole-Sept 2017	15	Root producers		UY=\$ 2200

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



Date	Topic	No. participants (M/F)	Training materials available	Comments
Uyole-Nov16 Apr16	Clean seeds Multiplication	12(58%/42%)	Presentation, fliers Manual/Booklets	TOSCI visited to assess DVMs and identify training needs assessment
Ukiriguru Kibaha October 2016		44(33M/11F) 11 (73%/27%)		

Planned for June 2017 – May 2018

Date	Topic	No. participants (M/F)	Training materials available	Proposed budget
Uy KBH (Nov17) UK	Practices for Multiplication Seed inspection and regulation	UY=20(50%M/50%F) KB=25 (40%M/60%F) UK=60 (35M/25F)	Manual guidelines	UY=\$ 3000 KBH=\$ 3995 UK=\$ 15,000

Marketing strategy: June 2017 – May 2018-KIBAHA



	Target group	Message & activity	Time period	Channel/s	Responsible	Proposed budget	Indicator of success
1.	Consumers	Importance of OFSP	Aug 2017	Nanenane, Radio, Visit to mother and child clinics Leaflets	Kibaha, Media MCH staffs	\$4500	Consumption rate
2.	Food Processors	OFSP products, Utilization, Packaging,	March 2018	Fliers, Meetings	Kibaha TFNC	\$3000	Factories processing OFSP products
3	Root growers	OFSP production, Clean Seeds	Feb 2018	Meetings, Success stories, Radio, Nanenane, social media	Kibaha Extension Progressive farmers	\$3500	Seed demand
4	Sellers	OFSP and its products	March 2018	Meeting, Brochures, social media	Kibaha Market leaders	\$2800	Availability of OFSP in markets

Marketing strategy: June 2017 – May 2018-UKIRIGURU



	Target group	Message & activity	Time period	Channel/s	Responsible	Proposed budget	Indicator of success
1.	Root producers	Flayers, posters	August/Sep 2017	Sensitization meetings	District Extension agents	US\$ 5,000	
2.	DVMs	QDPM protocol	July 2017	Trainings	ARI Ukiriguru	US\$ 6,000	
3	NGOs	Flayers, posters	August2017	Workshop	ARI Ukiriguru	US\$ 7,000	

Marketing strategy: June 2017 – May 2018-Uyole



	Target group	Message & activity	Time period	Channel/s	Responsible	Proposed budget	Indicator of success
1	Root producers	Posters, fliers	October 2017	Awareness creation workshops	ARI-Uyole	US\$ 4,000	Root yield increase
2	Seed multipliers	Posters, demos	February 2018	Trainings	ARI-Uyole	US\$ 5,000	Use clean seed by root farmers
3	NGOs	Fliers, posters	April 2018	Workshops	ARI-Uyole	US\$ 6,000	Root yield increase

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

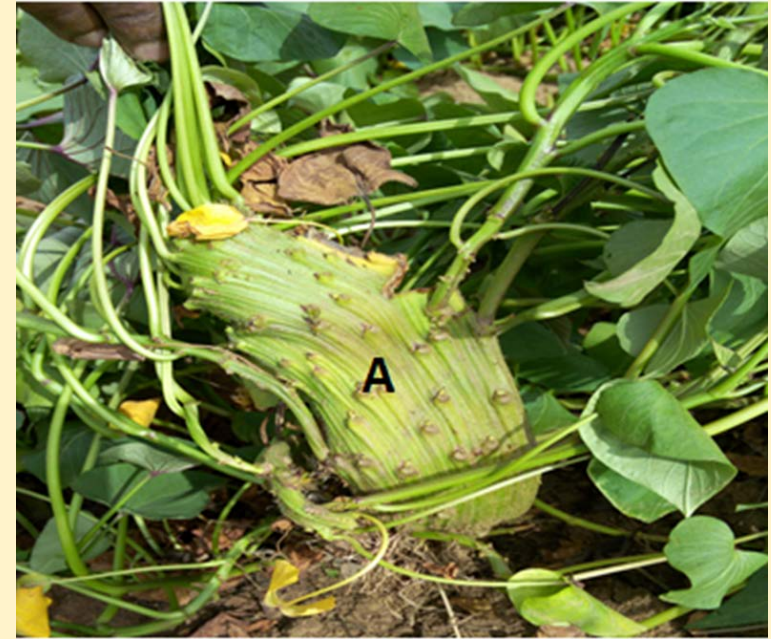


- Technical
 - Data collection
 - Build skill on type of data to be collected
- Institutional
 - Separate shared cost eg water bills for easy estimation of what we use in the project
- Financial
 - Continue to design activities that will use revolving funds

2 BEST PHOTOS



- Fertilizer application on vines
- Ukiriguru, Mwanza
- Casual labours
- Credit: Lembris Laizer



- Deformed Sweetpotato plant
- Credit: Hilda Bachwenkizi