

An illustration of a woman wearing a green headwrap and a purple shirt, sitting and feeding a baby with a spoon. The baby is lying on its back, eating from the spoon. In front of them is a bowl of orange sweetpotato mash. The background is a vibrant yellow with a pattern of colorful geometric shapes like circles, triangles, and squares in shades of red, orange, and purple. At the bottom, there are several large, stylized sweetpotato tubers in orange and yellow, some with green leaves.

Sustainable sweetpotato pre-basic seed production Y3 Progress review: June – November 2016

The logo for SASHA, with the word "SASHA" in large, bold, purple capital letters. The letter 'S' has a green leaf-like shape above it, and the letter 'A' has a red dot in the center. To the right of the word "SASHA" is a stylized illustration of two sweetpotato tubers, one whole and one cut in half to show the orange flesh.

SASHA
Sweetpotato Action for
Security and Health in Africa

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Sweetpotato Seed Systems Community of Practice: Sixth
Consultation- Sustainable Pre-basic Seed Production –
Progress Review. Nairobi 6-7th December 2016

Production: capacities?

Country: GHANA

Period: June – November 2016

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	13	Pots and open		2219	10 (3 node cuttings)
Mobile net tunnels							
Open field multiplication							
Basic seed multipliers							

Production: targets vs actuals?



Country: Ghana

Total for all varieties: 2219

Period: **June 2016 – November 2016**

TC activities	Unit (& size)	Planned No. (June 16 – May 17)	Achieved (June – Nov 16)	% achievement
TC initiation	Plantlets	29	23	94
TC micro-propagation	Plantlets	1000	2219	121.9
Hardening	Plants	1000	2219	121.9
Screen house multiplication	Cuttings	3000	2000	75
Mobile net tunnel multiplication	Cuttings			
Open field multiplication	Cuttings			

Comments on production targets



- Actions taken to increase multiplication rates:
 - Evaluate Pre-basic seedlings plating spacing in screenhouse (10, 15 & 20 cm)
 - Evaluate planting Pre-basic seedlings in buckets and on the ground
- Actions to reduce costs of production:
 - Minimal in vitro micropropagation and conserve cultures till needed
- Key challenges:
 - Timely delivery by supporting staff
- Lessons to share:
 - All staff need to be good team players

Quality management

- No. of varieties under multiplication: Ten
- No. of plants virus indexed (grafted on / *Setosa* and tested with NCM-ELISA) 21
 - No. found negative 9 (and 42.9%)
- Seed standards and inspection protocol
 - Current status:

% tested within last 6 months and results		
	VARIETY	INDEXING RESULTS
1	Apomuden	CLEAN
2	442162	CLEAN
3	Namanga	CLEAN
4	BF 82 x Tainung	CLEAN
5	TU Orange	CLEAN
6	BF59 x TIB 4	CLEAN
7	AP3A	CLEAN
8	PG 12 010 - 15	CLEAN
9	BF 59 x TIB 4	CLEAN

% tested within last 6 months and results		
	VARIETY	INDEXING RESULTS
10	Ininda	NOT CLEAN
11	Delvia	NOT CLEAN
12	BF 82 x TIB 8	NOT CLEAN
13	Patron	NOT CLEAN
14	Hi Starch	NOT CLEAN
15	BF 82 x CIP 13	NOT CLEAN
16	BF 24 x TIB 3	NOT CLEAN
17	BF 82 x CIP 17	NOT CLEAN
18	GLORIA	NOT CLEAN
19	TU Purple	NOT CLEAN
20	Kuffour	NOT CLEAN
21	Lourders	NOT CLEAN

PBS production requirement



Estimated demand for pre-basic cuttings for next season (April – July – Major rains): 2500

No. of PBS cuttings required: 20 000

Proposed prices for each class or seed: Yet to be determined

Price	Pre-basic	Basic	QDS	Other	Farmer-to-Farmer
Local currency					5Cedis/100 cuttings
US\$					1.20

For each class – give length of cutting

Pre-basic: yet to be established depends on variety and is approx. 20 cm at least 3 nodes

Basic: yet to be established depends on variety and is approx. 20 cm at least 3 nodes

QDS: yet to be established depends on variety and is approx. 20 cm at least 3 nodes

Other: yet to be established depends on variety and is approx. 20 cm at least 3 nodes

Stakeholder meetings



- Date of last stakeholder meeting: 6TH SEPTEMBER 2016
- Number and type of stakeholders
 - Number: 44
 - Type: Regional IP
- Main agenda items
 - Establish regional sweetpotato innovative platform in the Volta region of Ghana
- Action and follow up points:
 - Innovation platform established in the Volta region of Ghana.
 - Facilitate registration of Ghana IP
- **Contact made with National Seed Traders Association: Yes**
 - **Potential collaboration on SP seed production** – Project breeder has established contact with 20 producers to supply them with planting materials
 - **Links with registered seed enterprises:** Chairman of the National IP is a private seed producers and is facilitating project linkage with registered seed enterprises

Business plan: implementation June – November 2016

	Political	Technical	Administrative	Socio-cultural
Actions implemented	1. ... 2. ... 3. ...	1. ... 2. ... 3. ...	1. ... 2. ... 3. ...	1. ... 2. ... 3. ...

NB Review guidance note for matrix on institutionalisation

This is not yet in place

Revolving fund: status



1. Composition and operation of revolving fund agreed and documented? **No**
2. How often has RF management committee met over reporting period?
3. Revenue received from sale of cuttings for period June to November 2016 (or by month – see table)
4. Status of budget for pre-basic seed production for 2016/2017:
 - a. Give total budget for PBS production^a: and then the amount to be requested from RF
 - b. Submitted to RF or senior management: give date
 - c. Approved: give actual or projected date.
5. Percentage of total production cost which will be met by revolving fund: **=%**

^a. NB this budget is for recurrent costs for pre-basic seed production (i.e. not the total project budget)

Training – in-country (June – Nov. 2016)



Date	Topic	No. participants (M/F)	Training materials available	Comments
September 2016	in vitro manipulations of Sweetpotato	2 Males	TC laboratory manual	National Service persons offered training on the job

Jan – May 2017: key areas for strengthening



- Technical
 - Establishment of net tunnels and demonstration plots
- Institutional
 - Commitment of field staff
- Financial
 - Involve a secretary to assist accountant for timely reporting on financials

2 BEST PHOTOS

- **Activity** – Improved burrell and LPG for soil sterilisation. Note fabricated system with lid having a slot for thermometer to monitor temperature
- **Location and date:** CSIR-CRI Fumesua Kumasi Ghana November 2016
- **Name of person in photo:** Tefa
- **Photo credit:** Boadi K. Ahenkorah



2 BEST PHOTOS cont'

- Activity – evaluating planting density during pre-basic seed production in the screenhouse
- Location and date: CSIR-CRI Fumesua Kumasi Ghana
- Name of person in photo: Dr. Patricia P. Acheampong
- Photo credit: Marian D. Quain

