



**Sustainable
sweetpotato pre-basic
seed production Y4
Year End Report: June
2017 – May 2018**



Name, Institution: Benard Yada, NaCRRRI
Sweetpotato Seed Systems Community of Practice: 9th
Consultation- Sustainable Pre-basic Seed Production – SGA
14th May 2018, Kigali, Rwanda

Production: capacities

Period: current status at end Year 4 (May 2018)

Facilities	No. units	Irrigation (Y/N)	Total m ²	% of capacity utilized for production	Status of facility: good, average, poor	Planned rehabilitation? If yes, when
Screen house	1	Y	145	100	Good	No
Mobile net tunnels	N/A	N/A	N/A	N/A	N/A	N/A
Open field multiplication	1	Y	4046 (1 Acre)	100	Good	No
Basic seed multipliers						

Production & Sales: targets vs actuals? June 17 – May 18

Activities	Production target (No.)	Production achieved (No.)	Revenue target (UGX)	Revenue Achieved (UGX)
TC micro-propagation plantlets	300	300	N/A	N/A
Pre- basic cuttings	N/A	N/A	N/A	N/A
Basic cuttings	6000	6,000	N/A	N/A
Open field multiplication	64,000	64,000	3,200,000	3,200,000

Comments on production targets



- Actions taken during Y4 to increase multiplication rates:
 - Irrigation of seed during the dry period using irrigation facility from the PEARL project
- Actions taken during Y4 to reduce costs of production:
 - Organic manure
- Key challenges for Y4:
 - Small capacity of the pre-basic seed screen house
 - Unpredictable change in rain seasons
 - Low yield of NASPOT 12 O and Dimbuka-Bukulula (being dropped)
- Lessons to share for Y4:
 - Well planned crop rotation regimes can help increase seed yields at reduced costs and timely planting

- Is your multiplication calendar on track- Yes
 - Effects of rain pattern i.e. were they as expected? No
 - Customer seed requirements- No
 - Production level- 1 acre
 - Sales/Revenue- UGX. 3,000,000
- What changes will you make to your multiplication calendar for the next 6 months?
 - None

Use of business plan tools



- Have your production costs changed? Yes
 - If so, explain: The dollar rate has increased from 3500-3700 UGX, which has affected the price of production supplies thus increasing production cost
 - What is change in break even cost: Not determined
- What is current pricing strategy(for 3-node cutting)
 - Pre-basic: N/A
 - Basic price: Depends on the target market (35,000- 40,000 UGX)
- Will you adjust your prices to reflect changes in production costs or market competition?
 - Explain: The current selling price can only be afforded by NGOs and not private/individual multipliers

Use of revolving fund



Description	Local currency or US\$
<i>a. Balance of Revolving Fund bought forward from May 2017</i>	10,427,922
<i>b. Gross income for this reporting period: June 2017 to May 2018</i>	102,602,288
<i>c. Total disbursements towards seed production activities: June 2017 to May 2018</i>	None
<i>d. Other costs met from the revolving fund:</i>	None
<i>e. Balance of funds at end of reporting period available to be carried forward to the next reporting period</i>	42,832,510

US\$ exchange rate: 3550

Explain any challenges for the revolving fund: The 40% reduction rate for NARO on all NTR, the revolving fund inclusive is quite high

Customer order book: future requirements

Customer name	December 2017 – May 2018		Comments
	Quantity Ordered	Advance payment?	
Not Profiled			

Quality management: June 2017 - May 2018



- Number of varieties under multiplication: 4
- What additional varieties have been introduced in Y4? NASPOT 8, NASPOT 10, NASPOT 1
- What new varieties are in release pipeline & will be multiplied in Y5?
N/A
- No. varieties tested over June 17 – May 18, method, & results
 - Variety: NASPOT 12 O result: Negative (NCM-ELISA)
 - Variety: NASPOT 13 O result Negative (NCM-ELISA)
 - Variety: Dimbuka- Bukulula result: Negative (NCM-ELISA)
- Seed standards and inspection protocol
 - Current status: Completed and in use
 - Are external inspections being conducted for field multiplication? Yes

Stakeholder meetings: June 2017 – May 2018, and planned



Date of meeting held	No. participants (M/F)	Types of participant	Main topics	Follow up actions
Planned meetings (June 18 – Dec 18)				
Proposed Date	No. participants	Types of participants	Main topics	
July, 2018	30	Seed multipliers, MAAIF, NGOs staff	Seed value chain Dissemination strategies Seed inspection and importance	7,000,000

Training – in-country (June 2017- May 2018)



Date	Topic	No. participants (M/F)	Training materials available	Comments
Nov, 2017	Sweetpotato field day on production technologies and seed systems	Approximately 500	Brochures, Posters, Pull up burners, value added products	Well attended field day by production coordinators, NGO staff, seed multipliers and farmers
Planned for June 2018 – Dec 2018				
Date	Topic	No. participants (M/F)	Training materials available	
Sept, 2018	Sweetpotato field day on production technologies and seed systems	Approximately 500	Brochures, Posters, Pull up burners, value added products, Varieties	5,000,000

June 18 - Dec 2018: key areas for strengthening performance of bizplan



- Technical

Bar coding of TC and screen house material

- Institutional

Full operationalization of sweetpotato bizplan into the NARO wide strategic plan

- Financial

-Negotiate with NARO to reduce the compulsory 40% deduction on NTR so that funds can be retained for seed production

2 BEST PHOTOS



Dr. Benard Yada and NaCRRRI team teaching stakeholders on sweetpotato seed production during the sweetpotato field day at ABI-ZARDI, November 2017. Photo credit: Musana Paul

2 BEST PHOTOS



NaCRRRI team teaching stakeholders about value addition to promote sweetpotato production at the sweetpotato field day at ABI-ZARDI, November 2017. Photo credit: Musana Paul