

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



Name, Florence Munguti-KEPHIS
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	3	Y	392	90 (10% used for irish potato)	Good	N/A
Mobile net tunnels						
Open field multiplication						
Basic seed multipliers						

Production & Sales: targets vs actuals?

June 17 – May 18



Activities	Production target (No.)	Production achieved (No.)	Revenue target (local currency)	Revenue Achieved (local currency)
TC micro-propagation plantlets	2700	1920	Nil	Nil
Pre- basic cuttings	72,000	107,303	720,000	1,114,610

Comments on production targets



- Actions taken during Y4 to increase multiplication rates:
 - **Additional screenhouse renovation**
 - **Increase in screenhouse production**
 - **Use of foliar feed**
- Actions taken during Y4 to reduce costs of production:
 - **Reduction of TC multiplication, LED bulbs in growthroom, addition of more crops in tissue culture and cost sharing of consummables and reagents**
- Key challenges for Y4:
 - Demand projection**
 - Marketing**
- Lessons to share for Y4:

Use of business plan tools



- Have your production costs changed?
No
- What is current pricing strategy(for 3-node cutting)
 - **Pre-basic: Kshs 10 – 20 for individuals, Ksh 20 – 35 for organizations**
- Will you adjust your prices to reflect changes in production costs or market competition?
 - **No**

Use of revolving fund

Description	Local currency or US\$
<i>a. Balance of Revolving Fund bought forward from May 2017</i>	1,396,782
<i>b. Gross income for this reporting period: June 2017 to May 2018</i>	1,139,150
<i>c. Total disbursements towards seed production activities: June 2017 to May 2018</i>	255,700
<i>d. Other costs met from the revolving fund:</i>	448,870
<i>e. Balance of funds at end of reporting period available to be carried forward to the next reporting period</i>	1,831,362

US\$ exchange rate:100

Explain any challenges for the revolving fund:

Customer order book: future requirements



Customer name	December 2017 – May 2018		Comments
	Quantity Ordered	Advance payment?	
George Kirinyaga	2,160 cuttings for KES 43,200	Yes (KES 20,000)	Balance KES 23,200
Benson Wambugu	2,160 cuttings for KES 43,200	No	Pro-forma invoice issued

Quality management: June 2017 - May 2018



- Number of varieties under multiplication: **10 varieties**
- What additional varieties have been introduced in Y4?
- **Kenspot 1, 3, 4 & 5, Mugande, Kakamega, Sumaiya, Purple fleshed, Mataya, carrot c,**
- What new varieties are in release, pipeline & will be multiplied in Y5?
None yet
- varieties tested over June 17 – May 18, method, & results
 - **Variety: kakamega results: -ve**
 - **Variety:kabode results -ve**
 - **Variety:chebolol, Mugande, vitaa, purple flesh...result: all –ve**
 - **Seed standards and inspection protocol: Current status: adopted by seed inspectors.**
 - **Are external inspections being conducted for field multiplication? Yes, for registered merchants**

Stakeholder meetings: June 2017 – May 2018, and planned



Date of meeting held	No. participants (M/F)	Types of participant	Main topics	Follow up actions
27/9/2017 Kericho- SEEWO	176 F, 77 M	Farmers	KEPHIS services Agronomy of sweetpotato Value addition and sweetpotato seed business	Impact assessment
13/10/2017 Muranga	228 F, 159 M	Farmers, Stakeholders	KEPHIS services Sweetpotato seed business clean planting materials	Impact assessment
18 th -19 th /10/17 Kirinyaga	182 F, 92 M	Farmers	KEPHIS services Value addition and sweetpotato seed business, clean planting materials	Impact assessment
26/2/2018 Kericho	125 F, 25 M	Farmers	KEPHIS services Sweetpotato seed business clean planting materials	

Stakeholder meetings: June 2017 – May 2018, and planned



Date of meeting held	No. participants (M/F)	Types of participant	Main topics	Follow up actions
30th May 2018 Meru County	150 M, 150 F	Framers, multipliers, root producers, county staff, MOA&I staff	KEPHIS services Role of KEPHIS in sweetpotato seed systems Importance of clean planting materials	

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



Date	Topic	No. participants (M/F)	Training materials available	Comments
19th - 24 th Feb 2018 in India, New Delhi	Creating awareness on the benefits of tissue culture plants versus conventional plants and package practices for cultivation of tissue culture plants	17(3 Female, 14 Male	yes	Sponsored by KEPHIS as a way of capacity building of the staff

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



- Technical
 - **Monitoring and evaluation (impact assessment, customer feedback)**
 - **Training of staff at production and marketing levels**
- Institutional
 - **Review of vision and strategic objectives to incorporate business model**
- Financial
 - **Resource and funds allocation**

2 BEST PHOTOS



MD KEPHIS explaining to the Governor –Uasin Gishu county , about the pre-basic sweetpotato multiplication in the screen-house , at KEPHIS-PQBS

Photo credit: Moses Okonda

2 BEST PHOTOS



Maureen Mwangangi explaining the best practices and Tissue culture techniques to an intern.

Photo credit: Charles Kilonzo

2 BEST PHOTOS



- Introducing OFSP to Children of Rafiki children's home
- Photo credit: Anorld