

**Sustainable
sweetpotato pre-basic
seed production
Business Continuity:
January 2019 forward -
NRCRI REPORT**

SASHA

Sweetpotato Action for
Security and Health in Africa



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Sweetpotato Seed Systems Community of Practice: 10th
Consultation- Sustainable Pre-basic Seed Production – SGA
Progress Review. Nairobi, Kenya 13-14 November 2018

Fact sheet



Map of Nigeria



Flag of Nigeria

□ Population - 196,914,537

□ GDP 375.77

Fact sheet contd.



RAINFALL PATTERN/SEASONS

- ❑ The rainfall Pattern - weak bi-modal (short dry spell during August mostly around rainy forest zone).

SIGNIFICANCE OF SWEETPOTAT TO NATIONAL FOOD SECURITY

- ❑ Sweetpotato plays an important role in the economy of rural households because it acts as a major source of subsistence and considered to be a 'famine relief crop'

ORGANIZATION'S MANDATE FOR EGS PRODUCTION

- ❑ Foundation seeds of sweetpotato and other root and tuber crops of economic importance for adequate availability of cleaned planting materials to farmers

SWEETPOTATO NATIONAL ROOT PRODUCTION STATISTICS

- ❑ 3.92 Million metric tonnes (FAOSTAT,2016)
- ❑ **NRCRI is into both Prebasic and Basic**

Fact sheet contd.



ACTIVITIES:

- TC Lab** -Limited micro propagation of plantlets due to sub optimal condition of TC Lab.

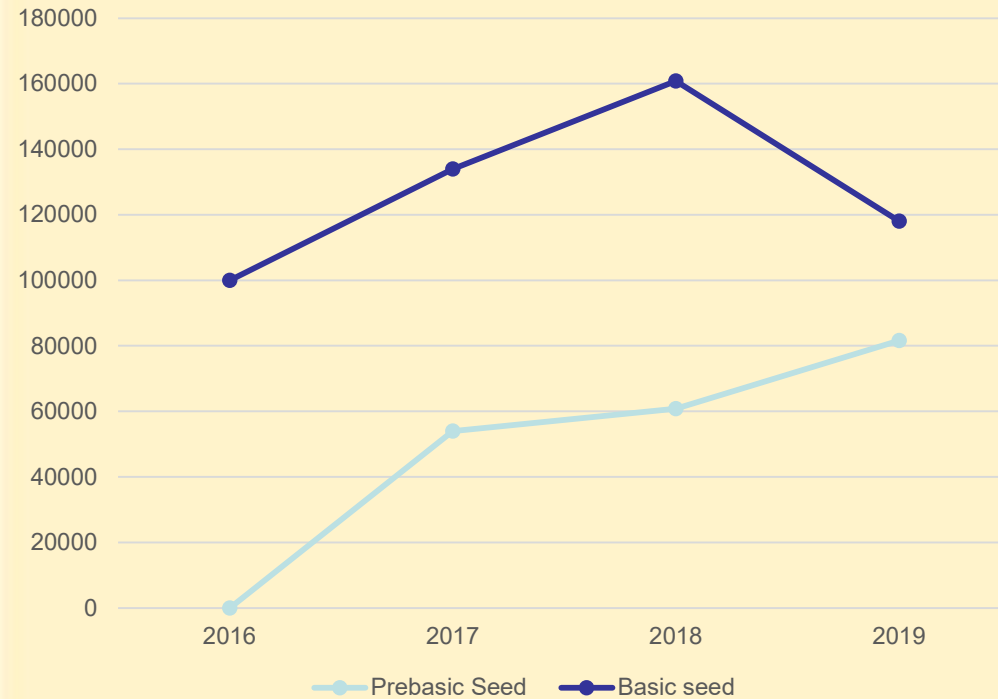
Screenhouse –

- Hardening (Limited) of plantlets in the screenhouse
- Production of foundation seed (prebasic seed).
- Studies on improving multiplication ratio and reducing cost of pre-basic production

VIRUS TESTING - Conduct virus tests using ELISA for different strains of sweetpotato virus diseases

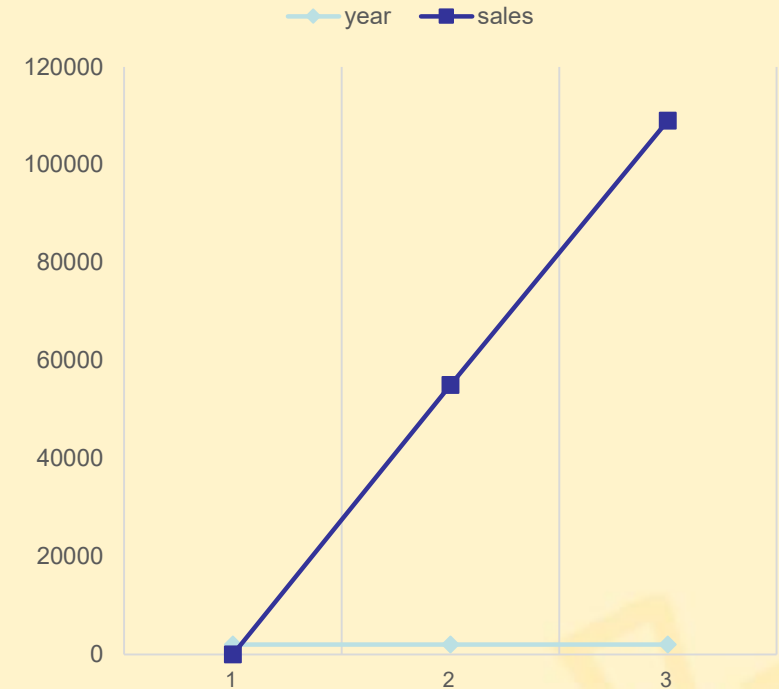
Fact sheet contd.

Chart Title



EGS Production (seed) trends – 3 seasons

CHART TITLE



Sales Trends (seed) – 3 seasons

GOING FORWARD

- Strengthening the Revolving Fund (RF) by increasing sales and establish Early order strategy,
- Emphasizing on Capacity Utilization of our facilities (screenhouses, net tunnels)
- Target commercial vine producer,
- Scaling through standard protocol for sweetpotato seed certification where vine producers will register with national body for seed regulation
- expanding production to other areas of the country and involves more DVMs in the business.

Progress with (TOWS) strategies to strengthen business plan



Threat	Opportunity	Weakness	Strength
NRCRI being a hot spot for virus	Continuous breeding and releasing of varieties of OFSP in NRCRI	High degeneration of vines after first ratoon	Collaboration of CIP and NRCRI provides the enabling environment
The recycling of vines among the DVMs in the state	The current donor/ government interest in combating Vitamin A deficiency in Nigeria	Low demand of pre-basic seed-Low volume Revolving Funds	Availability of both technical and research staff.
Interest in the certified planting material rather than pre-basic seed	Production of different classes of seed in NRCRI -seed value chain	The issue of Treasury Single Account (TSA)-delay in releasing of fund	The closeness and collaboration of National Seed council (NASC) South East station with NRCRI
	Inclusion of school feeding programme in the states with OFSP as one of the food menu		Availability of resources (land, water, electricity, tissue culture lab, screenhouse, net tunnels and skilled personnel)
			NRCRI being a government

Progress with strategies to strengthen business plan



- **Use of cost route approach (real time) to estimate new/actual cost of production t every stage**
- **Identify our major threats and weaknesses and leverage on the strength and opportunities to forge ahead**
- **Use of cost record sheets and templates on regular basis to identify areas of improvements**
- **Planned marketing activities in future**
- **Use of seed multiplication calendar to identify time and target for every activities**

Next steps with implementation of business plan



- **On DVMs and other Seeds investors**
- **Inclusion of TC lab activities, involve in cleaning and further multiplying in the SH and limit sub-culturing in the TC lab**
- **On other crops in NRCRI**
- **In other Value-chain businesses of OFSP Seed and related Bi-products (product diversification)**

Message of commitment from Head of Institution



- Comments on review of fact sheet & business plan continuity.
- **The head of institute commend and ensures continuity of the project with the support of well functioning established RF and also recommend that others projects should emulate and leverage on our business plan to ensure sustainability.**
- Expected level of EGS production by 2020

By the year 2020, NRCRI is expected to target optimal production of EGS, formalise OFSP seed system which will encourage potential commercial growers into the system.

THANK YOU