

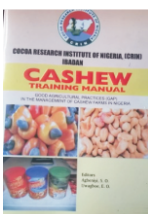
Practices, Insect pest of co coa and their control, Disease control in cocoa, Safety precautions before and after pesticide application, Harvesting and on-farm processing of cocoa, Packaging and storage.

Other available publications are:



### Cocoa

Good Agricultural Practices in Cocoa Production in Nigeria, Good Agricultural Practices in the Management of Cocoa, Good Agricultural Practices in the Management of Insect Pest of Cocoa in Nigeria, Good Agricultural Practices in the Management of Diseases of Cocoa in Nigeria.



### Cashew

Role of farmers' organizations and extension methodologies in cashew production, Nursery practices for sustainable cashew cultivation, Cashew soil requirements and fertilizer management for optimum productivity, Agronomic practices for sustainable cashew production in Nigeria, Cashew (*anacardium occidentale L.*) harvesting, its post-harvest handling and processing in relation to Good Agricultural Practices (GAP), Cashew diseases and their control, The best farm practices to control Cashew insect pest menace in Nigeria, Marketing and farm record for sustainable cashew production in Nigeria.

## CRIN TO PRODUCE 10 MILLION COCOA SEEDLINGS FOR 2017/2018 PLANTING SEASON

The above directive was given by the Honourable Minister of Agriculture



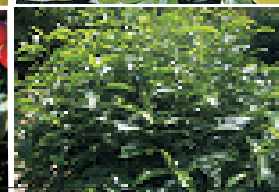
Ag. ED with the Honourable Minister of Agriculture at 42nd NCARD meeting

(HMA) to the Ag. ED CRIN, Dr. O. Olubamiwa at Port Harcourt on 27 April 2017. It was at a brief meeting with Chief Audu Ogbe, the HMA, during the 42nd Session of the National Council on Agricultural and Rural Development (NCARD). The NCARD Session 42 was held in Port Harcourt from Monday 24 to Thursday 27, 2017.

CRIN was directed to bring a proposal as soon as possible for the consideration of the HMA. According to the HMA who spoke with passion, that Nigeria is now 7th world cocoa producer is unacceptable. Nigeria must increase production and push her position higher.



## CRIN Breaking News April 2017 Edition



### CRIN PRESENTED A PAPER AT NIPPIS SENIOR EXECUTIVE COURSE 39

The National Institute for Policy and Strategic Studies (NIPSS), Kuru, near Jos is indeed a strategic Institution of Nigeria. The Ag. ED of CRIN had a one-day experience at the Institute on the 10th of April, 2017. He described NIPSS as “a strategic knowledge factory for Nigerian leaders.”

Senior Executive Course 39 (SEC 39), a 10-month course which started in February, 2017 will end in November, 2017. According to the Ag. ED, CRIN, “If in one day someone is loaded with so much knowledge as this, then in 10 months, one would have transformed into a guru in fundamental knowledge of our country.” Participants of the SEC are top officials drawn from both the Private and Public Sectors. They include Military, Para-Military and Civilian Personnel. The 66 participants of SEC 39 include a Major General, a Brigadier General, Colonels, Air Force and Naval Officers, and a Police Commissioner. Others are Permanent Secretaries and Directors from both the Federal and State Ministries. There were also a Professor from the Premier University and Customs and Immigration officers.

The Ag. ED presented a paper titled "The Impact of Science, Technology and Innovation on Cocoa Production in Nigeria." The paper was at the instance of NIPSS and came up amidst 5 others from the NARIs on 10th April, 2017. There were two sessions each of about 2½ hours including the interactive Question and Answer aspect. In the first session were IAR, Zaria; NRCRI, Umudike and NIHORT, Ibadan. The second session featured CRIN, Ibadan; RRIN, Benin City and NCRI, Pategi. Each NARI spoke on the specific mandate crop(s).

**The Ag. ED CRIN's presentation had the following facts:**

- Simplified explanation of STI
- A brief history of CRIN and her mandates
- A brief history of the Nigerian Cocoa
- Impacts of STI on Cocoa Agronomy, Breeding, Pest/Disease, Value Addition, Soil and Plant Nutrition, etc.

### CRIN BAKERY UPGRADED WITH MODERN EQUIPMENT

**Sophisticated modern equipment** have been lately installed at CRIN Bakery.



*Modern Bakery Oven*

They include a spiral mixer, dough divider, dough molder, dough proofer, digital deck oven and bread slicer. Other auxiliary equipment are digital weighing scales, heat extracting machine, water pumping machine, stainless steel tables and trays, baking pans, etc. The advantage of the modern equipment is that the bread production time will reduce from 10 to 3

hours. Also there can be continuous batch production of bread and therefore increased production.

The reconstruction of the bakery building to the required standards of NAFDAC is ongoing and the project is being monitored by both the NAFDAC consultant and the Institute bakery consultant.

The contractor handling the project promised to complete the work by the end of April, 2017. The issues of NAFDAC registration and designing of CRIN Cocoa bread customized packaging nylon are also ongoing.

All the aforementioned success were recorded because of the visionary leadership of the Ag. ED who has promised to significantly improve the generation of IGR by CRIN.



*Flour Mixer*

### .CRIN/EKITI STATE ON-GOING COCOA ROOT STOCK PROJECT

**A four man** team led by Dr. S. O. Ogunwolu (Head, Production and Substations Department) left the Institute on April 14, 2017 to the Ministry of Agriculture and Rural Development(MARD), Ekiti State to monitor and evaluate the extent of work done on cocoa root stocks raised by CRIN Nursery workers for the state.

The team commended the nursery workers for the good work done. All the 10,000 root stocks raised are in good condition and are ready for vegetative propagation. Also, It was discovered that the three locations designated for the establishment of the clonal materials have been cleared by Ekiti State while selective felling of trees have been done. In readiness for irrigation activity, the state had sunk two wells per

hectare on each site and have also acquired sprinkler equipment for watering.

The team paid a courtesy visit to the Oniye of Iye-Ekiti, Oba Jonathan Adeleye Oni, and the Chairman, Ileje-Meje Local Government Area, Ekiti State. The State Government's representative, Mr. J. K. Ajayi (Director of Produce and Tree crops Unit, MARD) was also in attendance.

Dr. Ogunwolu on behalf of CRIN management appreciated the efforts of

the king and the Local Government Chairman and all the people of Iye-Ekiti for contributing immensely in controlling fire outbreak that would have destroyed the cocoa rootstocks in the nursery.

The following members of staff were in attendance on the trip:

Dr. O.O. Ogunwolu, Dr. (Mrs.) A. A. Muyiwa, Dr. (Mrs.) Tosin Adeigbe and Mr. Odedele Samson.



*CRIN Team with the Oniye of Iye-Ekiti*

### NEW HYBRID COCOA VENTURE FOR NIGERIA



**A reprint** of this publication by Library, Information and Documentation Department is out for sale at ₦1, 000 per copy. Copies have been approved for sale by Ag. ED at the Marketing Unit, beside the Institute's canteen.

The content include the following:

The eight new cocoa hybrid varieties, Specific attributes of the new cocoa hybrids, Nursery and field management of the new cocoa hybrids, Field maintenance and Good Agricultural