



CRIN Herald

A MONTHLY PUBLICATION OF COCOA RESEARCH INSTITUTE OF NIGERIA (CRIN), IBADAN.

ISSUE: 40 (June, 2024)

Senior Staff Promotion Examination



The promotion exercise for the Senior Staff of the Institute was held on May 14, 2024 at various centres within the Institute, which included Lawrence

Opeke Hall, the Institute's Library, ERLS Building and the CRIN Event Centre. It was a demonstration of the Executive Director (ED), Dr. Patrick Adebola's commitment, without fail, to the welfare of the staff, the overall growth and development of the institute. The ED noted that the event served not only as an assessment of individual productivity, but also as a testament to CRIN's dedication to fostering a supportive and conducive work environment for its staff. Dr. Adebola, therefore, offered words of encouragement to the candidates, urging them to approach their assigned duties with dedication and excellence. He conveyed the institute's support and confidence in their ability to excel in their professional endeavours. The examination cut across all cadres of eligible senior staff from both the Headquarters and the Substations. The representatives of the Agricultural Research Council of Nigeria (ARCN), the Acting Director (Administration), Mr. Kayode Aiyedogbon, and the Federal Ministry of Agriculture and Food Security

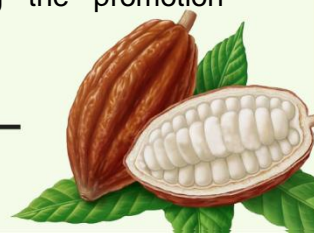
(FMAFS), Mr. John Agboola, were on ground to supervise the exercise. A total of 242 senior staff of different cadres sat for the promotion examinations which was coordinated by members of the Institute's Management Committee.



ARCN representative, Mr. Aiyedogbon (2nd from right) and FMAFS rep. Mr. Agboola (4th from right) with some IMC members during the exercise.



Cross section of staff during the promotion exercise





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CRIN Attends Kola Conference Held at LAUTECH

The first International Conference on Kola plants tagged “The treasure beyond consumption: Exploring kola for sustainable development” was held at Ladoke Akintola University of Technology (LAUTECH), Ogbomosho from May 7 to 8, 2024. It was organised by Nano and Pan African Strategic and Policy Research Group (PANAFSTRAG) under the leadership of Major General Ishola Williams (Rtd.), the Executive Secretary of PANAFSTRAG. The keynote addresses were delivered by the ED CRIN, Dr. Patrick Adebola and Prof. Omotoye Olorode. In Dr. Adebola’s presentation, he showcased the mandate crops of CRIN. He stated that CRIN has been working on kola from the early 70s and has developed technologies such as kola wine, chocolate, organic fertilizer, liquid detergent etc. on the crop. He, however, identified challenges such lack of funding; self and crossing incompatibility; old and moribund plantations; pests and diseases and location of most of the germplasm mainly at the Headquarters owing to paucity of fund for the replications. The ED stressed on the improvement in the genetic potential of the crop and the need for more research on the cytology and cytogenesis in order to enhance its yield. He recommended improved research efforts, reduction in breeding cycle, creation of awareness on the food and medicinal potential of the crop, rehabilitation of moribund kola trees plantation, conservation of genetic materials and collaboration with International partners.



Presentation by the ED, Dr. Patrick Adebola



The ED and the conference facilitators



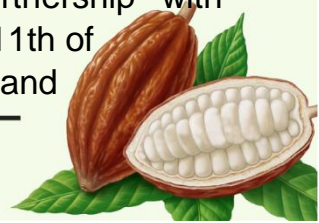
Group photograph of the ED with CRIN scientists at the event

GIZ/NEPC Cashew Technical Training



The second and concluding session of GIZ/NEPC organized Cashew Technical Training in partnership with

CRIN was held from 6th to 11th of May, 2024 at DanJay Hotel and





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Suite, Akobo, Bodija, Ibadan. A total of 43 participants, 15 women, 28 men drawn from staffs of NEPC, FMAFS, FMITI, ACFAP, CRIN, OYSADEP, ADP, processors, commercial farmers, financial institution, Nigeria women in Agriculture and University students participated in the 6-days training.



The ED CRIN, Dr. Patrick Adebola, at the event, advised the participants to make utmost use of the opportunity given them to learn up to date cashew technologies and improvements.

Mr. Babatunde Christopher Adewole (MD, Tree Crop Development Unit, Oyo State) and the representative of the Executive Director of Product Development, NEPC, Mrs Bolanle, also who gave their goodwill messages.

The training cut across the different stages of the cashew value chain including cashew market and value chain concept, sector organization, improved planting material and development, nursery management, new plant establishment and management, pests and diseases management, harvest and postharvest management, processing, consumption and nutrition, value addition, gender transformative action etc. Instructors drawn from CRIN and Ghana engaged participants on both online and physical interactions. Participants were at CRIN facilities on the 8th of May, 2024 for

practical on scion collection, grafting, pollination, top working, GAP etc.



Hands on training sessions



Group photograph by the participants





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Pollinators Trained at CRIN

A total of twenty pollinators were trained by the Plant Breeding Section of the Institute on the technicalities of cocoa pollination on May 15 and 16, 2024. The training was anchored by Dr. Festus Olasupo and Dr. Sobowale. The training, which was hands-on entailed field exposure in which they were saddled with the responsibility of raising hybrid cocoa through hand pollination. They were mandated on strict observance of the guidelines in order to produce the needed hybrids. The technicalities of the moss that inhibits formation of flowers were also exposed to the trainees.



Theoretical training of the pollinators by the facilitators



Field exposures of the pollinators



Group photograph with the pollinators

Muslim Community Annual Lectures

The CRIN Muslim community, in commemoration of the annual end of Ramadan, known as the 1445AH organised lecture on April 30, 2024. Notable personalities in attendance were Dr. Patrick Adebola, the Executive Director of CRIN, ably represented by Dr. Abdulrasheed Adedeji, the Chief Imam of the CRIN Muslim community, Mr. Abubakar Shittu, the Chairman of the CRIN Muslim Community and Prof. Abideen Olaitan Olaiya, who served as the guest lecturer. In his lectures, Prof. Olaiya addressed faith, unity, and progress while Dr. Adedeji delivered message on promotion, solidarity, and cooperation within the Muslim ummah and beyond. Finally, prayers were offered for CRIN and her communities.



Dr. Adedeji, and Prof. Olaiya delivering messages and lectures at the occasion



Cross section of Muslim faithful



ARCN News

Presentation by the InTerra Networks to ARCN



InTerra Networks was in the Agricultural Research Council of Nigeria (ARCN) to demonstrate the NIGSIMS and seek collaboration with the Council in the area of seeds research to enhance accuracy and relevance of information

provided to farmers through the platform. The organisation developed Nigeria Seeds Information Management Systems (NIGSIMS) in collaboration with National Agricultural Seeds Council and Mercy Corps. NIGSIMS is an online market place connecting farmers in the northeast with certified seeds suppliers. The aim of the platform is to increase availability of quality seeds, reduce transaction costs and enhance supply chain transparency. The database has successfully registered 9,000 farmers, 25+ seeds companies and more than 200 seeds growers.



Participants at the presentation
(ARCN report by Kayode I. Aiyedogbon, Ag. Director, Administration)

Health News

Rabies – Mrs. Bosede Famaye



Rabies is caused by the Rabies virus (scientifically called lyssavirus) that spreads to people by the bite of an infected animal (domestic or wild) if left untreated, the virus affects the central nervous system causing signs and symptoms which are virtually 100% fatal.

Therefore, vaccinating dogs is an effective strategy that can't be overstressed for reducing deaths attributable to dog-mediated Rabies in people. Rabies causes progressive inflammation of the brain and spinal cord. The disease claims an estimated 59,000 lives annually. A dog bite is a primary source of transmitting the infection to humans. Seizures, hallucinations, and paralysis are characteristics of rabies. Even though the illness has no treatment, a simple step consisting of immediate and thorough washing of wounds with soap and water can save lives. The time before the symptoms appear usually lasts about 2 to 3 months in most Rabies cases, though periods of up to 1 year have also been reported. The rapidity at which symptoms develop following the animal bite depends upon the following: Site of infection; the nearer the bite is to the brain and spinal cord, the quicker the virus reaches the nervous tissue, Severity of the bite and amount of virus injected at the bite site. Initially, the symptoms of rabies are more like flu which may last for 2 to 10 days, where a person may experience the following; Fever, Headaches, Nausea, Vomiting, Pain and unusual tingling, pricking, or burning sensation (paraesthesia) at the site of the bite once the virus progresses





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and reaches the brain and spinal cord, neurological function slowly deteriorates, with the person parading the following symptoms; Anxiety, Confusion, Agitation, Excessive salivation, High level of excitement, Difficulty in breathing or swallowing, Photophobia (fear of light), Hallucinations, Fear of water (hydrophobia), Trouble in speaking or understanding, Prolonged lack of sleep, Partial paralysis of leg muscles (starting at the site of the bite) and Coma. Hereafter, death occurs in 2 to 3 days due to abrupt failure of the heart, respiratory weakening, and arrest of breath. Typically transmitted by saliva, the virus enters the body through the bite of an infected animal. While dog bites are often associated with the development of Rabies, other animals, including wild ones have occasionally been found to transmit Rabies to people. Some high-risk animals in this regard are as follows; Bats, foxes, Raccoon, Beavers, Skunks, Cats, Goats. The other rare possibility of getting Rabies is from non-bite exposure when a rabid animal kicks a person's eyes, nose, or mouth, exposing the scratches, abrasions or open wounds to infectious saliva. Two clinical forms of Rabies exist; Furious and paralytic. The furious form comprises approximately 80% of Rabies cases. Its onset is characterized by hyperactivity, hydrophobia, and severe or uncontrollable excitability, which are caused by spasms of the throat and larynx when the virus affects regions of the brain that regulate speaking, swallowing and breathing. This phase may persist for hours or days after which the patient will have episodes of anxiety as opposed to constant agitation. Alternately, the paralytic form occurs in one in five cases. In this form, the patient is often quiet and lucid throughout. This stage has a more protracted course, beginning with tingling or paralysis of the bitten limb and progressing to the brain. If one has been bitten by a dog, cat, or other unfamiliar

animals, the bite wound should be thoroughly washed with soapy water for 15 minutes with water diluted providone-iodine solution application if available. Medical attention should be sought for wound assessment and to know if one need the vaccine. Post-exposure prophylaxis (PEP) is the key treatment for preventing Rabies. As part of this, one will receive Human Rabies Immune Globulin (HRIG) at the site distant from where the animal bite. This will be followed by a strict regime of Rabies vaccine.

Diagnosing Rabies in a living person before the onset of illness is difficult, as not one test is considered sufficient to date but a few more tests can still provide a reliable diagnosis for the disease including the following: Test for detection of the virus in saliva and spinal fluid, Reverse transcription polymerase chain reaction (RT-PCR), again for detecting Rabies Virus in saliva and skin biopsy, Fluorescent Antibody test (FAT) to detect the virus in skin and brain tissue.

Despite the high death rate, Rabies is 100% preventable using the following tips; Become aware of the Rabies disease and understand how to prevent Rabies in pets, when to suspect Rabies, and what to do when you get accidentally bitten, Do not touch a suspected rabid animal, instead, contact local authorities for assistance, Stay away from wild life as far as possible, Remove stray animals away from the neighborhood, Immunize your pets and livestock against Rabies and keep their vaccination status up to date, Do not allow your pet to roam free or unattended, Teach children not to approach or handle any unfamiliar animal, even if they look friendly, If you are exposed to Rabies, follow wound management and speak to the doctor, Consider yourself getting vaccinated if you work as a veterinarian or in a lab where the Rabies virus is present.





Market Survey

Price reports for April and May, 2024

This report presents the local prices of cocoa and cashew in selected states for the months of April and May 2024. Data were gathered from various locations within the states, and the average price per state was documented for this report.

In the month of April across the different locations, there was notable decline in Raw Cashew Nut (RCN) prices compared to the previous months. Conversely, Cocoa prices have remained relatively stable compared to the previous months too. Kwara and Osun states had the most favourable prices for Cocoa beans, with Kwara state also recording the highest prices RCN in April.

In May, the prices of Cocoa and RCN increased compared to April across various locations; particularly in Oyo and Ondo states for cocoa where the prices rose by over 15% from what obtained in April. Similarly, cashew prices rose significantly from what was obtained in April especially in Kogi and Enugu States where over 70% rise in cashew prices were recorded. This positive upward change in price might have been due to reduction in market glut of RCN as the cashew season is fast disappearing. Ondo State had the highest average cocoa price in May, with about 16% increase from April while Kogi State had the highest Cashew price in May, which rose by 70.6% from the previous month.

COCOA COST PER KG (LOCAL PRICE)

MONTH	STATE	MINIMUM PRICE(₦)	MAXIMUM PRICE (₦)	AVERAGE PRICE (₦)
Apr-24	Abia	8000	9000	8500
	Kwara	10000	11000	10500
	Oyo	8500	9000	8750
	Edo	8000	8500	8250
	Ondo	10000	10000	10000
	Cross River	10000	10500	10250
	Osun	10000	11000	10500
	MAY-2024			
	Abia	9000	10000	9500
	Kwara	10000	10500	10250
	Oyo	10500	11000	10750
	Edo	8000	9000	8500
	Ondo	11000	12200	11600
	Cross River	11000	11500	11250
	Osun	9500	11000	10250

CASHEW COST PER KG (LOCAL PRICE)

MONTH	STATE	MINIMUM PRICE(₦)	MAXIMUM PRICE (₦)	AVERAGE PRICE (₦)
APR-24	Abia	750	850	800
	Kwara	850	900	875
	Oyo	800	850	825
	Kogi	800	900	850
	Enugu	700	800	750
	Osun	650	700	675





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CASHEW COST PER KG (LOCAL PRICE)

MONTH	STATE	MINIMUM PRICE(₦)	MAXIMUM PRICE (₦)	AVERAGE PRICE (₦)
MAY-24	Abia	1300	1400	1350
	Kwara	1100	1200	1150
	Oyo	1200	1250	1225
	Kogi	1400	1500	1450
	Enugu	1400	1400	1400
	Osun	1200	1300	1250

Source: CRIN Survey, 2024 by the Economics and Statistics Sections

Staff of the month: Mr. Agbola, Olufemi Omotunde



Mr. Agbola, Olufemi Omotunde was born on July 4, 1980 in Ibadan, Oyo State. He is an indigene of Ijebu-jesa in Osun State. He attended Baptist Primary School 1, Idi-Ikan, Ibadan and proceeded to Anglican Grammar School,

Molete, Ibadan 1991-1995 and Community High School, Ido, Ibadan in 1999 and obtained West African School Certificate (WASC). In pursuit of his academic career, he proceeded to Osun State Polytechnic, Iree, both for his OND (SLT) and HND (Applied Chemistry with Distinctions Award) in the year 2001 and 2004, respectively. He equally attended Federal University of Technology, Akure, FUTA and obtained Bachelor of Technology (B.Tech) in Industrial Chemistry in 2007. He was employed by CRIN in 2009 as Higher Science Laboratory Technologist and posted to Crop Processing and Utilization (CPU). He progressed in rank of Principal Science Laboratory Technologist (PSLT II and I) to Senior Science Laboratory

Technologist (SSLT). He is currently an Assistant Chief Science Laboratory Technologist (ACSLT). He is an Associate member of Nigerian Institute of Science Laboratory Technology. He was sponsored by the Institute for hands-on training on Atomic Absorption Spectrophotometer and Flame Photometer at Nigerian Institute for Laboratory Technologists (NISLT), Ibadan in 2010 and on Products from Cocoa by-products in Cocoa Research Institute of Ghana (CRIG) in 2011. He has attended several exhibitions with CRIN products on display and was in charge of CRIN Bakery (Cocoa Bread) from year 2018-2020. He is happily married with children.

June Birthday Galore

Hearty birthday celebrations to the members of staff that will be celebrating their birthdays this month. Wishing you all the very best in your life endeavours. Congratulations!



- Asein Oyahire Jonathan 01-June
- Ajani Patience 01-June
- Ojo Sunday 01-June
- Stephen Philina 01-June
- Ajibola Dare 01-June
- Aiyedogbon Pelumi 02-June





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Odeyemi Busayo Opeyemi	02-June	Alamu Risikat	12-June
Oyebode Olumide	02-June	Danila Anthony	12-June
Olaoba Folorunsho Olatunji	03-June	Fasina Babatunde	12-June
Oyebode Felicia Anike	04-June	Nanna Angela	12-June
Ogundare Taiwo	04-June	Osim Ayang	12-June
Mokwunye Idongesit Umanah	05-June	Okokuwa Idowu	12-June
Ogunlana Busola	05-June	Omogbehin Ayo Kikelomo	12-June
Onifade Aminat	05-June	Taoheed Ojo	12-June
Idrisu Mohammed	06-June	Adelusi Adejoke	13-June
Isah Olushola	06-June	Eze Joseph Nmesirionye	13-June
Ogbechie Michael Bamidele	06-June	Kuforiji Bolanle Mercy	14-June
Areola Oluwatobi James	06-June	Irumekhai Florence Avenigbe	14-June
Adio Sunday	06-June	Taiwo Oluwole Samuel	14-June
Bakare Motunrayo	06-June	Onigbinde Olarewaju Oluwole	15-June
Kayiwedo Solomon	06-June	Ogujobi Moruf Ayinla	15-June
Adekojo Sunday Adeboye	06-June	Thomas Ephesian	15-June
Shittu Tunji Rasaki	07-June	Akinwale Abraham O.	15-June
Obi Samuel Ikechukwu	07-June	Abioye Adeyemi Emmanuel	16-June
Akano Joseph	07-June	Ilori Oluwole Victor	16-June
Otanwa John	07-June	Balogun Rowland Olusegun	17-June
Arowobusoye Julius Akinrinsola	08-June	Garba Idris Audu	17-June
Edim Okpokam Ozung	08-June	Baoku Helen Funmilayo	18-June
Gold Ahmad Olaoti	08-June	Sonuga Olunike	18-June
Kokori Paul	08-June	Adebayo Joel Adekunle	19-June
Okon Ebenezer	08-June	Adedeji Maryam	19-June
Adedara Iyabo Aboosedo	09-June	Akinsola Mopelola	19-June
Efuniyi Muyiwa Oladotun	09-June	Jimoh Abdulahi	19-June
Adio Adebukola	09-June	Ogbugburu Nwabenu Segun	19-June
Salami Fatai	10-June	Oyedotun Olugbenga	19-June
Alalade Kunle	10-June	Olowookere Bankole	21-June
Nwachukwu Benedict	10-June	Bakare Gbenga Taiwo	22-June
Adeagbo Temitope Yewande	11-June		





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Eguavoen Lucky	22-June
Ikpefua Anthony	22-June
Ojo Oluseye Abioye	22-June
Daniel Rebecca	22-June
Ibidapo Samuel	23-June
Onifade Adesoji R.	23-June
Oaikhena Lydia Itoya	23-June
Tanko Haruna	23-June
Fowowe Charles Olufemi	24-June
Oladipupo Samuel	24-June
Ojo Oluwatosin	24-June
Adegboro Olugbenga	25-June
Owoduylemi Opeyemi O.	26-June
Onigbinde Ayodele	26-June
Ejugwu Joseph	27-June
Fapohunda Omolade	27-June
Ibe Osita E.	27-June
Olebara Ugonna F.	27-June
Jayeade Abass E.	28-June
Awofeko Beauty	29-June
Benson Brayila Jennifer	29-June
Adeji Alaba Olaitan	30-June
Adepoju Abigail Funmilayo	30-June
Afolabi Oyawale Gbeminiyi	30-June
Umar Salisu	30-June



COCOA RESEARCH INSTITUTE OF NIGERIA



VISION
To be a centre of excellence of international repute in the research and development of Cashew, Cocoa, Coffee, Kola and Tea.

MISSION
To apply science and technology in increasing productivity, improving quality and value addition of Cashew, Cocoa, Coffee, Kola and Tea.

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- Cocoa Flavour Laboratory Services
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