DEPARTMENT OF AGRICULTURE
PHILIPPINE COCONUT AUTHORITY

# ANNUAL REPORT 2024

*Ushering the PCA Quality Management Era*

TUV SUD ISO 9001:2015

# Ushering the PCA Quality Management Era

**PCA 2024Annual Report**



## About the Cover

The title of the Annual Report 2024 " Ushering the PCA Quality Management Era", describes the transformation within the Authority transcending orthodox systems to embracing modern ones for a thriving coconut industry.

The cover design sits on a vast green horizon with a faint photo of the Philippine coconut plantations in the background. The color green speaks of the regeneration and new beginnings for the Philippine Coconut Authority as the quality management era is being ushered in on its 51st year of existence. It symbolizes the spring of abundance and growth for the coconut farmers and other various stakeholders steering harmony, resilience and inclusivity in the environs of the coconut industry.

The white Q icon which animatedly resembles an open coconut fruit serves as the emblem of quality representing excellence, highest standard, and top-tier services and products derived from the tree of life. It is the shorthand for quality management that emphasizes the impetus and commitment of PCA to uphold global standards in its operational systems and leadership from now and beyond. The color white on the other hand testifies to the transparency and integrity within the organization that guide its people to realize the vision.

Embracing the Q symbol are three pinnate leaves embodying the three branches of PCA namely the operations, the administration and finance, and the research development and extension. The quality management imbued in the PCA system ensures the Authority's organizational structure becomes agile and readily adaptive to shifting circumstances, embracing new ideas, and responding effectively to improvements in the quality management era of the coconut industry.

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Elliptical Road, Diliman, Quezon City,
1101 Metro Manila

# In a Nutshell


THE CEO'S REPORT
DR. DEXTER RESPICIO BUTED
PHILIPPINE COCONUT AUTHORITY
CEO & ADMINISTRATOR

The year 2024 has been a defining period for the Philippine Coconut Authority (PCA), characterized by transformative initiatives, strengthened institutional frameworks, and the unwavering commitment of the entire agency to elevating the coconut industry.

Under the leadership of President Ferdinand "Bongbong" Romualdez Marcos Jr. and the Department of Agriculture, led by Secretary Francisco "Kiko" Tiu Laurel Jr., the PCA has blossomed as one of the key drivers in the administration's vision for a prosperous and resilient agricultural sector. This report outlines our milestones, strategic directions, and the impactful initiatives that have shaped PCA's journey in 2024.

**Embracing a Culture of Quality and Excellence: Achieving ISO 9001:2015 Certification**

One of our most remarkable milestones this year was PCA's attainment of the ISO 9001:2015 Quality Management System certification, a feat that has cemented our commitment to quality, operational excellence, and service integrity.

For over a decade, PCA sought to achieve this certification. Yet, it was through relentless leadership and institutional commitment, that we successfully secured ISO ccreditation in December 2024. This achievement reflects the collective efforts of our dedicated employees, stakeholders, and partners who embraced the challenge of institutionalizing a quality-driven work culture.

The path to ISO accreditation was rigorous and demanding. Our roadmap to certification included intensive internal audits, capacity-building initiatives, and a comprehensive overhaul of our quality management systems, ensuring that our processes meet the highest international standards.

This certification exceeds recognition of compliance; it is an affirmation of our resolve to deliver exceptional service to our farmers, stakeholders, and the Filipino people. It symbolizes PCA's transformation into an institution that is not only responsive but also proactive in ensuring the sustainable development of the coconut industry.

**Strengthened Support from the National Leadership**

PCA has emerged as a focal point of national agricultural development, earning the full confidence and support of the Philippine President and the Secretary of Agriculture. Their endorsement of PCA's initiative has paved the way for unprecedented support, culminating in a significant increase in budget allocation for our key programs, particularly the nationwide planting/replanting and fertilization initiatives.

The additional PhP 1 billion for planting/replanting and PhP 1.8 billion for fertilization in the 2025 budget underscored the administration's recognition of the coconut industry's immense potential in driving economic growth, improving rural livelihoods, and reinforcing agricultural sustainability. More importantly, it empowers PCA to expand its reach, ensuring that more coconut farmers benefit from high-impact programs that enhance productivity, resilience, and profitability.

In 2024, despite the challenges posed by El Niño, we successfully planted 7.3 million seedlings, quadrupling the average of the previous two years.

**BAYANIyugan Campaign: Uniting A Nation for the Coconut Industry**

The successful launch of the BAYANIyugan campaign during the 2024 National Coconut Week Celebration has become a far-reaching initiative for PCA. This campaign, rooted in the Filipino spirit of "bayanihan," has become the rallying cry for all the Authority's initiatives. It underscores our commitment to a whole-of-nation approach, as we recognize that true progress is achieved through collective action.

BAYANIyugan embodies the united efforts of farmers, industry stakeholders, and government agencies in securing a sustainable and thriving coconut sector. Through nationwide activities such as the simultaneous coconut tree planting on August 28, PCA has reinvigorated national interest in coconut farming, inspiring active participation from local government units, private enterprises, and the academe.

**Strengthening the Strategic Framework: The Reinforced 5-Year Strategic Plan**

To ensure the sustained gains of our programs and initiatives, PCA has reinforced its 5-Year Strategic Plan—a roadmap that aligns all our efforts toward a unified vision. This enriched plan serves as our compass in implementing impactful initiatives, providing a clear direction for industry modernization, farmer empowerment, and national economic contribution, and ensuring that every decision, and investment are purposeful, data-driven, and results-oriented. Our strategic plan lays out a framework focusing on sustainability, innovation, value chain development, and farmer-centric policies, reinforcing PCA's role as a leading catalyst for coconut industry transformation.

Through this strategy, we are institutionalizing long-term development goals, streamlining operations, and fostering inter-agency and multi-sectoral collaborations to maximize impact. This blueprint is our commitment to continuity and progress, ensuring that future generations inherit a thriving coconut industry.

By moving in unison under this strategic direction, the Authority guarantees that its policies and initiatives remain relevant, effective, and impactful in fostering long-term industry growth.

**Enhancing the CFIDP: A Bold Step Toward Policy Reform**

Recognizing the need for more comprehensive support mechanisms, PCA has taken bold steps to push for the amendment of the Coconut Farmers and Industry Development Plan (CFIDP), as mandated by Republic Act 11524. The proposed amendments aim to make the CFIDP more inclusive and responsive to the needs of coconut farmers.

The goal is to refine program implementation, address gaps in funding allocation, and introduce innovative mechanisms to better serve the country's 3.5 million coconut farmers. We have engaged in extensive consultations with stakeholders, implementing agencies, and farmer groups to ensure that these amendments reflect the evolving needs of the industry. We are committed to ensuring that the CFIDP becomes a more effective instrument for uplifting the lives of our coconut farmers.

As this proposal undergoes rigorous review and approval, we remain optimistic that with the growing support from the current administration, we will see reforms that will drive greater economic, social, and environmental benefits. This amendment is more than a policy shift; it is a gateway to enhanced farmer welfare, increased industry competitiveness, and a more robust coconut sector.

**Stronger Together: Partnerships Driving Industry Expansion**

Building strong collaborations has been at the core of PCA's mission in 2024. We have engaged with coconut processors, exporters, research institutions, and agribusiness firms, ensuring that the Philippine coconut sector remains dynamic, innovative, and globally competitive. These collaborations have paved the way for higher-value coconut products, increased processing capabilities, and diversified market opportunities that benefit Filipino coconut farmers.

**Looking Ahead: A Future Built on Strength, Unity, and Progress**

The path forward is clear. With a commitment to excellence, a visionary strategic direction, and the full backing of the national leadership, the PCA is well-positioned to lead in the resurgence of the coconut industry. We will continue to forge ahead with conviction, perseverance, and an unyielding dedication to the millions of coconut farmers who depend on this industry.

Let us move forward with unbreakable resolve. Let us carry the torch of transformation and innovation. Let us ensure that when history looks back at this defining era, it will not simply say that we led the Philippine Coconut Authority, it will say that we revolutionized the coconut industry.

**Dexter R. Buted**
CEO& Administrator

DEPARTMENT OF AGRICULTURE
PHILIPPINE COCONUT AUTHORITY

# COCONUT INDUSTRY

**26%**
OF AGRICULTURAL LAND

**3.6M**
**HECTARES**
69 out of 82 Provinces

**340M**
COCONUT BEARING PALMS

**2.8M**
Registered Farmers and Farm Workers

**2.7M**
CFIDP Eligible (86%)

# COCONUT INDUSTRY

The industry has been contributing an annual average of **37% share** to the country's total agricultural exports in the last 15 years and providing sources of livelihood and income to millions of Filipinos.

Coconut is source of the country's biggest agro-based exports.

## MAJOR COCONUT PRODUCTION AREAS

- CALABARZON
- BICOL
- SAMAR-LEYTE
- MINDANAO

**$2B** ANNUAL AVERAGE EXPORT REVENUE

**RANK NO.1**
EXPORTER IN THE WORLD
with 24 Export Partner Countries

**52 PRODUCTS EXPORTED**

**14-15B** Nuts Annually
**Rank 3 Coconut Producer in the World**

**ANNUAL MILLING CAPACITY**
**3.7 MMT**

**OIL MILLS**
**62**

**134 PROCESSING PLANTS**
50% Capacity

# PCA'S CHARTER

## Mandate

It is hereby directed to be the policy of the State to promote the rapid integrated development and growth of the coconut and other palm oil industry in all its aspects and to ensure that the coconut farmers become direct participants in, and beneficiaries of, such development and growth.

(Article 1, Section 2, P.D. 1468 or the Revised Coconut Industry Code)

## Vision

The Philippine Coconut Authority: a proactive and competent institution steering the modernization of the coconut industry and the development of other palm oil industries by 2028 towards the empowerment of its farmers and other industry stakeholders.

## Mission

To develop and implement sustainable programs utilizing relevant and appropriate technologies and policies that foster growth, modernization and inclusivity across the entire coconut value chain with utmost degree of excellence and professionalism

## Core Values

Professionalism, Integrity, Transparency and Excellence

## Quality Policy Statement

The Philippine Coconut Authority is committed to becoming a globally recognized leader championing a thriving, market-driven coconut and other palm oil industry.

We achieve this by delivering exceptional programs and services with unwavering transparency and accountability.

We are dedicated to upholding the highest standards of professionalism, integrity, transparency, excellence and compliance with all relevant regulations and laws.

Our unwavering commitment to continuous improvement drives us to constantly enhance our research, extension, and administrative operations.

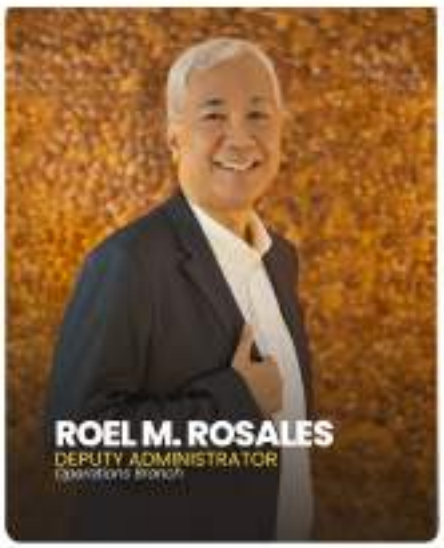
Ultimately, these efforts ensure the sustainable development and growth of all stakeholders and communities within the coconut industry.

# STRATEGY MAP & CORPORATE OBJECTIVES

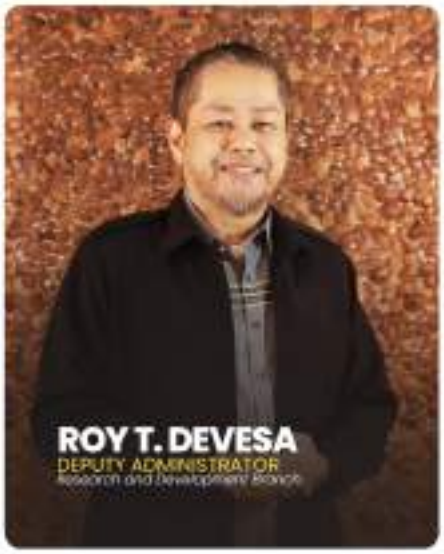
| SUPPORT | CORE | IMPACT |
| --- | --- | --- |
| Restructure and retool the organization to better respond to the evolving needs of the farmers and the industry | Undertake research aligned with the strategy using advanced science and technology | Increased Farm Productivity |
| Develop an integrated ICT system for ease of doing business and enhanced data -driven decision making | Capacitate farmers to sustainably manage enterprises anchored on priority commodities | Empowered Farmers and Farm Workers |
| Pursue policy reform to fully capacitate PCA and facilitate roll-out of technologies | Open new and expand markets for more products to stabilize prices and provide farmers sustainable livelihood | |
| Use available resources efficiently and achieve financial self-sufficiency | Ensure compliance to trade and market requirements for industry sustainability and competitiveness | Globally Competitive Industry |


DEPARTMENT OF AGRICULTURE
PHILIPPINE COCONUT AUTHORITY

# ORGANIZATIONAL STRUCTURE







# REGIONAL MANAGERS

LUZON





VISAYAS




MINDANAO






# PCA CENTRAL OFFICE

## PCA BOARD



## OFFICE OF THE ADMINISTRATOR









## OPERATIONS BRANCH




## ADMINISTRATIVE & FINANCE BRANCH









## RESEARCH & DEVELOPMENT BRANCH





## PROGRAM MANAGEMENT OFFICE


# CORPORATE GOVERNANCE

# Corporate Secretary's Report

In view of the organization's foregoing accomplishments, the Philippine Coconut Authority takes pride in being compliant with the requirements under the Code of Corporate Governance.[1]

The **Office of the Corporate Secretary (OCS)** of the Philippine Coconut Authority (PCA) plays a pivotal role in providing administrative and technical support to the PCA Board. The OCS ensures the effective functioning of the Board by maintaining essential records, coordinating meetings, and ensuring compliance with governance standards.

For CY 2024, the OCS was composed of the following dedicated personnel:

| | |
|---|---|
| Board Secretary V | **-Atty. Luz J. Perez** |
| Board Secretary IV | **-Atty. Ronina J. Tababa-Venturanza** |
| Board Secretary III | **-Ernest Michael D. Livelo** |
| Administrative Officer I | **-Isagani N. Zorra** |
| Technical Staff | **-Norhainah T. Lucman** |
| | **-Romeo C. Maningas** |
| | **-Jamaylene D. Zamora** |
| Administrative Assistant | **-Sanly P. Fernandez** |

A total of thirteen (13) Regular and Special PCA Board Meetings and six (6) Board Committee Meetings were conducted for CY 2024. The OCS was able to prepare forty-four (44) Board Resolutions that were approved by the PCA Board and nineteen (19) Minutes of both the Board and Board Committee Meetings. These are crucial documents that record the decisions of the PCA Board on corporate matters which serve as a reference point for future actions and also ensure accountability and transparency.

At the start of the year, the Board approved the Charter Statement of the PCA, which included the Vision, Mission, and Core Values. This approval reaffirmed the PCA's commitment to steering the modernization of the coconut industry and the development of other palm oil industries by 2028, with a focus on professionalism, integrity, transparency, and excellence.

In its annual review of its Charter Statement, the Board revisited PCA's Vision and Mission Statement to ensure its alignment with the Disaster Risk Reduction and Management (DRRM) and Gender Equity, Disability, and Social Inclusion (GEDSI), as mandated by the GCG. This led to the approval of the PCA's current Vision and Mission in November 2024 through Board Resolution No. 037-2024.

In line with its strategic planning efforts, the Board approved the PCA's 5-Year Strategic Plan, which outlined the long-term goals and objectives of the PCA, ensuring that the organization remains focused on its mission to develop and implement sustainable programs that foster growth, modernization, and inclusivity across the entire coconut value chain.

The Board also took significant steps to enhance the PCA's governance framework by approving the CY 2024 PCA Manual of Corporate Governance.

The Board also approved the creation of a Quality Assurance Office, which played a vital role in ensuring that the PCA's programs and projects meet the highest standards of quality and effectiveness.

The Board also demonstrated its commitment to employee welfare and development by approving various employee welfare and development programs, as well as the appropriation of funds for these initiatives. This approval underscores the PCA's dedication to supporting its workforce and ensuring their well-being.

The OCS facilitated the 2024 PCA Board Year-End Assessment and Planning, Board Meeting, and Project Site Visit in Region XI (Davao City) held on December 11 – 13, 2024, which were attended by ex-officio Members and their official Alternates. A review of the Board-approved policies and programs, Performance Evaluation System, Performance Evaluation for Directors, and Corporate Governance Scorecard were conducted. In the same event, the flagship programs of the PCA for 2025 and the policy directions from the PCA Board were presented and discussed. A site visit was also organized to gain a firsthand understanding of the operations and processes of the Davao Research Facility. Overall, the activity ensured that the PCA remains responsive, accountable, and aligned with the needs of the coconut industry, driving better governance and strategic action for CY 2025.

[1] Governance Commission for GOCCs - Memorandum Circular No. 2012-07

# Board Composition and Structure

On 26 February 2021, President Rodrigo Roa Duterte approved and signed Republic Act (RA) No. 11524, otherwise known as the Coconut Farmers and Industry Trust Fund Act. This gives way to the newly reconstituted Philippine Coconut Authority (PCA) Board and also mandates that the PCA, an independent public corporation created under Presidential Decree No. 1468, shall be reconstituted and strengthened to ensure the participation of coconut farmers in the crafting and implementation of the Coconut Farmers and Industry Development Plan. Section 5 of RA No. 11524 presents the composition of the PCA Board, to wit:

> The composition of the PCA Board is hereby amended and the same shall now be composed of the following:
>
> *a)The Secretary of the Department of Agriculture (DA), as Chairperson;*
> *b)The Secretary of the Department of Finance (DOF), as Vice Chairperson;*
> *c)The Secretary of the Department of Budget and Management (DBM);*
> *d)The Secretary of the Department of Science and Technology (DOST);*
> *e)The Secretary of the Department of Trade and Industry (DTI);*
> *f)The Administrator of the Authority; and*
> *g)Three (3) members from the coconut farmers sector (one (1) from Luzon, Visayas, and Mindanao)*

On 12 January 2024, the Vice Chairperson of the Board changed due to the appointment of the new Secretary of the Department of Finance, Secretary Ralph G. Recto, replacing former Secretary Benjamin E. Diokno.

On 14 March 2024, Mr. Dexter R. Buted was appointed as the new Administrator of the Philippine Coconut Authority, replacing Mr. Bernie F. Cruz.

On 02 August 2024, a new Secretary of the Department of Trade and Industry (DTI), Ma. Cristina A. Roque was appointed, replacing Secretary Alfredo E. Pascual. These changes also affected the membership of the Board Committees.

On 12 January 2024, the Vice Chairperson of the Board changed due to the appointment of the new Secretary of the Department of Finance, Secretary Ralph G. Recto, replacing former Secretary Benjamin E. Diokno.

On 12 January 2024, the Vice Chairperson of the Board changed due to the appointment of the new Secretary of the Department of Finance, Secretary Ralph G. Recto, replacing former Secretary Benjamin E. Diokno.

**For CY 2024, the composition of the PCA (Governing) Board is as follows:**

| | |
|---|---|
| Chairperson | **Secretary FRANCISCO P. TIU LAUREL, JR.** |
| Vice-Chairperson | **Secretary RALPH G. RECTO** *(January 12, 2024 - Present)* |
| | **Secretary BENJAMIN E. DIOKNO** *(July 01, 2023 - January 11, 2024)* |
| Members | **Secretary AMENAH F. PANGANDAMAN** |
| | **Secretary RENATO U. SOLIDUM, JR.** |
| | **Secretary MA. CRISTINA A. ROQUE** *(August 2, 2024 – Present)* |
| | **Secretary ALFREDO E. PASCUAL** *(July 01, 2023 – August 1, 2024)* |
| | **Administrator DEXTER R. BUTED** *(March 14, 2024 – Present)* |
| | **Administrator BERNIE F. CRUZ** *(November 11, 2022 – March 13, 2024)* |
| | **Director FLOR L. OLIVAR** |
| | **Director FRANK ROY M. RIBO** |
| | **Director PEPITO P. CAPANGPANGAN** |

# Board Committees

During the first three (3) Quarters of CY 2024, the PCA Board Committees Composition is in accordance with the approved reorganization and reconstitution of Board Committees through Board Resolution No. 006-2023 , approved in the prior year during the Regular Board Meeting on 20 February 2023. The mandatory committees were combined into two committees to streamline the system and provide effective and efficient delivery of public service: (1) Executive and Governance Committee and (2) Audit and Risk Management Committee.

The new membership in the Board Committees was then approved through Board Resolution No. 007-2023[2]. The new membership in the PCA Board Committees is in accordance with Section 16.2 of the Governance Commission for GOCCS (GCG) Memorandum Circular No. 2012-07, or the Code of Corporate Governance for GOCCs.

A Technical Working Group (TWG) for each Board Committee was also created to study and review all documents and compliances on matters submitted before the specialized Board Committee meetings. The TWG submits recommendations on such matters to be taken during the committee meetings. The TWG shall be composed of, and headed by the Alternates of the PCA Board Member under this Committee. In addition to the Board Alternate Members composing the TWG-ARM, the PCA Deputy Administrator for the Administrative and Finance Branch (AFB), and the Head of the PCA-Internal Audit Department (IAD), are likewise included as members in the TWG-ARMC.

[2] Approving the Proposed Reorganization and Reconstitution of Board Committees and the Creation of a Technical Working Group for Each Committee

**From January 1, 2024, to October 13, 2024, the Board Committees and the composition are as follows:**

## BOARD COMMITTEES and COMPOSITION

*Pursuant to Board Resolution No. 007-2023, dated 20 February 2023.*

**A. EXECUTIVE and GOVERNANCE COMMITTEE**

**Chairperson :**
**Department of Agriculture Secretary**

**Vice-Chairperson :**
**Department of Finance Secretary**

Members :
Department of Science and Technology Secretary
Department of Trade and Industry Secretary
Philippine Coconut Authority Administrator
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

**B. AUDIT and RISK MANAGEMENT COMMITTEE**

**Chairperson :**
**Department of Budget and Management Secretary**

**Vice-Chairperson :**
**Department of Finance Secretary**

Members :
Department of Science and Technology Secretary
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

The PCA Board, through Board Resolution No. 033-2024 , approved the reconstitution of the PCA Board committees, amendment of functions, and composition. The merged committees have been handling a wide range of issues thus, a reconstitution was proposed to ensure more specialized attention to essential areas while also managing priorities. Furthermore, the creation of a Coconut Farmers and Industry Development Plan (CFIDP) Committee was also proposed and approved to serve as an oversight committee and ensure that CFIDP Programs are properly implemented.

**From October 14, 2024, to December 31, 2024, the Board Committees and the composition are as follows:**

## BOARD COMMITTEES and COMPOSITION

*Pursuant to Board Resolution No. 007-2023, dated 20 February 2023.*

### A. EXECUTIVE and GOVERNANCE COMMITTEE

**Chairperson :**
**Department of Agriculture Secretary**

**Vice-Chairperson :**
**Department of Finance Secretary**

Members :
Department of Science and Technology Secretary
Department of Trade and Industry Secretary
Philippine Coconut Authority Administrator
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

### B. AUDIT and RISK MANAGEMENT COMMITTEE

**Chairperson :**
**Department of Budget and Management Secretary**

**Vice-Chairperson :**
**Department of Finance Secretary**

Members :
Department of Science and Technology Secretary
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

### C. GOVERNANCE COMMITTEE

**Chairperson :**
**Department of Agriculture Secretary**

**Vice-Chairperson :**
**Department of Finance Secretary**

Members :
Philippine Coconut Authority Administrator
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

**D. NOMINATION & REMUNERATIONS COMMITTEE**

**Chairperson :**
**Department of Trade and Industry**

**Vice-Chairperson :**
**Department of Science and Technology**

Members :
Department of Budget and Management
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

**E. RISK MANAGEMENT COMMITTEE**

**Chairperson :**
**Department of Finance Secretary**

**Vice-Chairperson :**
**Department of Science and Technology Secretary**

Members :
Department of Agriculture Secretary
Department of Trade and Industry Secretary
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative

**F. CFIDP**

**Chairperson :**
**Department of Finance Secretary**

**Vice-Chairperson :**
**Department of Science and Technology Secretary**

Members :
Department of Agriculture Secretary
Philippine Coconut Authority Administrator
Luzon Coconut Farmers Representative
Visayas Coconut Farmers Representative
Mindanao Coconut Farmers Representative

# Board Members and Corporate Secretary Profiles

Chairperson

## Francisco P. Tiu Laurel, Jr.

Date of Appointment
**November 03, 2023**
Age **58**

Date of Incumbency
**November 03, 2023 – Present**
**Ex-Officio Chairperson**

**Academic & Professional Qualifications**
High School Education, Xavier School, San Juan City (1980-1984)
Upper Merion Area High School King of Prussia, Philadelphia, USA (1984-1984)
High School Education at Paref Southridge School, Muntinlupa (1984-1985)
College Education at Stamford, Singapore (1987)

**Others**
Honorary Consul, Consulate of the Federation States of Micronesia in the Philippines
President, Frabelle Fishing Corporation
Chairman/President, Agusan Power Corporation
President, Confederation of the Philippine Tuna Industry, Inc.
Director, Inter-Island Deep Sea Fishing Association
Commander, Naval Affiliated Reserve Force-NCR (WESPHIL), Navotas City

Vice-Chairperson

## Ralph G. Recto

Date of Appointment
**January 12, 2024**
Age **60**

Date of Incumbency
**January 12, 2024 – Present**
**Presidential Appointee**
**Ex-Officio Member**

**Academic & Professional Qualifications**
Bachelor of Science in Commerce at the De La Salle University in 1989
Master in Public Administration, but only earned 36 Academic Units at the UP-Diliman, Quezon City in 1990
Certificate in Business Economics (CBE) from the Strategic Business Economics Program (SBEP) at the University of Asia and the Pacific in 1993
6-day Certificate of Leadership Scholarship at the John F. Kennedy School of Government of Harvard University, Boston, Massachusetts, United States in 1997

**Others**
House of Representatives: 1992-2001
First Term in the Senate: 2001-2007
National Economic and Development Authority, Director-General: 2008-2009
Second Term in the Senate: 2010-2016
Third Term in the Senate: 2016-2022
House of Representatives: 2022-2024

# Board Members and Corporate Secretary Profiles

Vice-Chairperson
## Benjamin E. Diokno

Date of Appointment
**June 30, 2022**
Age **60**

Date of Incumbency
**July 01, 2023 – January 11, 2024**
**Presidential Appointee**
**Ex-Officio Member**

**Academic & Professional Qualifications**
Bachelor of Arts Program in Public Administration – UP Diliman, QC
Master in Public Administration, UP-Diliman, Quezon City
Master of Arts in Political Economy – Johns Hopkins University, Baltimore, Maryland, USA
Ph. D in Economics – Maxwell School of Citizenship and Public Affairs, Syracuse University, Syracuse, New York, USA

**Others**
Professor Emeritus of the School of Economics of the University of the Philippines-Diliman, Quezon City
Fiscal Adviser to the Philippine Senate
Chairman & CEO, Philippine National Oil Company (PNOC)
Chairman, Local Water Utilities Administration
Chairman, Board of Trustees of the Pamantasan ng Lungsod ng Maynila

Member
## Amenah F. Pangandaman

Date of Appointment
**June 30, 2022**
Age **48**

Date of Incumbency (As Director)
**July 01, 2023 – Present**
**Presidential Appointee**
**Ex-Officio Member**

**Academic & Professional Qualifications**
Bachelor of Science in Economics – Far Eastern University, Manila
Master's Degree and a Certification in Development Economics from the University of the Philippines, Diliman, Quezon City

**Others**
Former Undersecretary, Department of Budget and Management (DBM)
Former Technical Adviser, Bangko Sentral ng Pilipinas (BSP)
Former Managing Director, Office of the Governor and Executive Offices, BSP

# Board Members and Corporate Secretary Profiles

Member

## Renato U. Solidum, Jr.

Date of Appointment
**July 22, 2022**
Age **62**

Date of Incumbency
**July 01, 2023 – Present**
**Presidential Appointee**
**Ex-Officio Member**

**Academic & Professional Qualifications**
Bachelor of Science in Geology – University of the Philippines, Diliman, Quezon City
Master in Geological Sciences – University of Illinois, Chicago
Doctor of Philosophy in Earth Sciences – Scripps Institute of Oceanography of the University of California, San Diego

**Others**
Former Director – Philippine Institute of Volcanology and Seismology (PHIVOLCS)
Former Undersecretary for Disaster Risk Reduction-Climate Change Adaptation (DRR-CCA), DOST
Former Undersecretary – Scientific and Technical Services, DOST
Recipient of the Presidential Citation for Public Service, Professional of the Year in the field of Geology by PRC

Member

## Ma. Cristina A. Roque

Date of Appointment
**August 02, 2024**
Age **57**

Date of Incumbency
**August 02, 2024 – Present**
**Presidential Appointee**
**Ex-Officio Member**

**Academic & Professional Qualifications**
Secondary School at De La Salle Santiago Zobel in Alabang, Muntinlupa City
Bachelor of Science in Industrial Management Engineering, minor in Chemical Engineering, De La Salle University

**Others**
Acting Secretary, Department of Trade and Industry (DTI)
Undersecretary for Micro, Small and Medium Enterprise (MSME) Development Group, DTI
Manager, Small Business Corporation and Cooperative Development Authority
Former President and CEO of the local clothing brand Kamiseta

# Board Members and Corporate Secretary Profiles

Member
## Alfredo E. Pascual

Date of Appointment
**June 30, 2022**
Age **76**

Date of Incumbency
**July 01, 2023 – August 01, 2024**
**Presidential Appointee**
**Ex-Officio Member**

**Academic & Professional Qualifications**
Bachelor of Science in Chemistry, University of the Philippines, Diliman, QC – Cum Laude
Master of Business Administration, UP-Diliman, Quezon City

**Others**
Instructor, Department of Chemistry, UP-Manila College of Sciences
Former Professor, Ateneo de Manila University, Departments of Management Engineering and Business Management
American Express Foundation Professor of Financial Management
Chairman, Master of Business Management Program
Director, Advanced Bank Management Program, Asian Institute of Management (AIM)

Member
## Dexter R. Buted

Date of Appointment
**March 01, 2024 (as GB Member)**
**March 14, 2024 (as Administrator)**
Age **54**

Date of Incumbency
**March 14, 2024 – June 30, 2025**
**Presidential Appointee**

**Academic & Professional Qualifications**
Bachelor of Science in Hotel & Restaurant Management, Lyceum of the Philippines University-Manila
Master in Business Administration, LPU-Manila
Master in International Hospitality Management, LPU-Manila
Doctor in Business Administration, Batangas State University
Course on Excellence in Local Legislation, UP Diliman
Diplomate in International Management, Asian Academy for Excellence Foundation, Inc.
Doctors of Philosophy in International Tourism and Hospitality Management, LPU-Batangas

**Others**
Professor VI, Pangasinan State University
Vice President for Admin. and Finance Management, PSU
Vice Chairperson, Multi-Sectoral Governance Council, Reg. I Medical Center
SUC President IV, PSU
Provincial Board Member, 2nd District, Batangas
City Councilor, Sangguniang Panglungsod ng Batangas
Vice President for Lima Campus and Community Extension, LPC, Batangas

# Board Members and Corporate Secretary Profiles

Member
## Bernie F. Cruz

Date of Appointment
**November 11, 2022 (as GB Member)**
**December 12, 2022 (as Administrator)**
Age **61**

Date of Incumbency
**November 11, 2022 – March 13, 2024**
**Presidential Appointee**

**Academic & Professional Qualifications**
Bachelor of Science in Public Administration, Cavite West Point College

**Others**
Former Chairman/CEO, First Philippine Overseas Workers Foundation, Inc.
Former Consultant, Agusan Power, Inc.
Former Consultant, Hyuma Mining, Inc.

Member
## Flor L. Olivar

Date of Appointment
**March 8, 2022**
Age **56**

Date of Incumbency
**July 01, 2023 – June 30, 2025**
**Presidential Appointee**
**Farmer Representative for Luzon**

**Academic & Professional Qualifications**
BS in Agricultural Education, Major in Crop Production

**Training/Activities**
Internal Audit Annual Performance, Monitoring, Evaluation, and Planning Workshop (November 26 – 27, 2024)

**Others**
Auditor, Japan Agricultural Exchange Alumni Association,
DA-NAFC Elliptical Road, Diliman, QC
Regional President, Japan Agricultural Exchange Alumni Association,
DA-NAFC Elliptical Road, Diliman, QC

# Board Members and Corporate Secretary Profiles

Member
## Frank Roy M. Ribo

Date of Appointment
**March 8, 2022**
Age **58**

Date of Incumbency
**July 01, 2023 – June 30, 2025**
**Presidential Appointee**
**Farmer Representative for Visayas**

**Academic & Professional Qualifications**
Civil Engineering, Polytechnic University of the Philippines, Manila (Under-Grad.)

**Training/Activities**
Internal Audit Annual Performance, Monitoring, Evaluation, and Planning Workshop (November 26 – 27, 2024)

**Others**
President, Agricultural Cooperative Regional Cluster Organization in Region 8, CDA
Vice Chairman for Private Sector, Eastern Visayas Coconut Industry Development Council, PCA and Inter-Agencies (NEDA, DTI, DAR, DA, DENR, BFAR)
Farmer Representative, PCAF National Banner Program for Coconut, DA

Member
## Pepito P. Capangpangan

Date of Appointment
**March 8, 2022**
Age **70**

Date of Incumbency
**July 01, 2023 – June 30, 2025**
**Presidential Appointee**
**Farmer Representative for Mindanao**

**Academic & Professional Qualifications**
Bachelor of Science in Commerce-Accounting, Notre Dame of Dadiangas College
Bachelor of Laws/Juris Doctor, COR Jesu College

**Training/Activities**
Internal Audit Annual Performance, Monitoring, Evaluation, and Planning Workshop (November 26 – 27, 2024)

**Others**
Regional Focal – Coconut Industry, PCAF/RAFC Community on Coconut (DA-PCA)
President, Davao Sur Coconut Farmers Federation
President, Matanao Federation of CFO's

# Board Members and Corporate Secretary Profiles

Corporate Secretary

## Luz J. Perez

Date of Appointment
**December 12, 2022**
Age **48**

**Academic & Professional Qualifications**
Bachelor of Science in Public Administration, UP Diliman, Quezon City
Bachelor of Laws (LLB)/Juris Doctor (JD), Arellano University School of Law, Taft Avenue, Manila

**Training/Activities**
Internal Audit Annual Performance, Monitoring, Evaluation, and Planning Workshop (November 26 – 27, 2024)

# CY 2024 BOARD RESOLUTIONS

| BD. RES. NO. | TITLE | DATE OF MEETING |
|---|---|---|
| **2024-001** | APPROVING THE CY 2024 CORPORATE OPERATING BUDGET (COB) OF THE PCA AMOUNTING TO PHP4,050,266,390.15 | JAN. 18, 2024 |
| **2024-002** | APPROVING THE CHARTER STATEMENT OF THE PHILIPPINE COCONUT AUTHORITY (PCA) | JAN. 18, 2024 |
| **2024-003** | APPROVING THE CY 2024 PCA MANUAL OF CORPORATE GOVERNANCE | JAN. 18, 2024 |
| **2023-008-A** | CONFIRMING THE AMENDMENTS TO CORPORATE ORDER NO. 01, SERIES OF 2022, AND ADOPTING THE PROVISIONS OF THE MEMORANDUM FROM THE MANAGEMENT DATED 07 FEBRUARY 2023 | JAN. 18, 2024 |
| **2024-004** | APPROVING THE PHILIPPINE COCONUT AUTHORITY'S 5-YEAR STRATEGIC PLAN | FEB. 21, 2024 |
| **2024-005** | APPROVING THE TEMPORARY APPOINTMENT OF MGEN. ROY T. DEVESA AS DEPUTY ADMINISTRATOR FOR THE RESEARCH AND DEVELOPMENT BRANCH OF THE PHILIPPINE COCONUT AUTHORITY FOR ONE (1) YEAR | FEB. 21, 2024 |
| **2024-006** | APPROVING THE REALIGNMENT OF THE JURISDICTION OF REGION IV OF THE PHILIPPINE COCONUT AUTHORITY TO (1) CALABARZON AND (2) MIMAROPA AND REGION III AND THE CREATION OF A SPECIAL COCONUT MANAGEMENT AREA FOR REGIONS I-II AND CORDILLERA ADMINISTRATIVE REGION | FEB. 21, 2024 |
| **2024-007** | APPROVING THE CY 2024 COCONUT HYBRIDIZATION PROGRAM (CHP) TARGETS AND FINANCIAL ALLOCATIONS | FEB. 21, 2024 |
| **2024-008** | APPROVING THE TRANSFER OF JURISDICTION OVER SIXTY-THREE (63) BARANGAYS FROM REGION XII TO REGION XIV OF THE PHILIPPINE COCONUT AUTHORITY | FEB. 21, 2024 |
| **2024-009** | ELECTION OF DR. DEXTER RESPICIO BUTED AS THE NEW PHILIPPINE COCONUT AUTHORITY ADMINISTRATOR AND CHIEF EXECUTIVE OFFICER | MAR. 14, 2024 |
| **2024-010** | RESOLUTION CONGRATULATING THE NEWLY ELECTED ADMINISTRATOR OF THE PHILIPPINE COCONUT AUTHORITY | MAR. 14, 2024 |
| **2024-011** | RESOLUTION OF GRATITUDE AND COMMENDATION TO FORMER ADMINISTRATOR BERNIE F. CRUZ | MAR. 14, 2024 |
| **2024-012** | APPROVING THE SECONDMENT OF DR. DEXTER RESPICIO BUTED TO THE PHILIPPINE COCONUT AUTHORITY (PCA) AS MEMBER OF THE GOVERNING BOARD AND ADMINISTRATOR/CHIEF EXECUTIVE OFFICER (CEO) | MAR. 14, 2024 |

| | | |
|---|---|---|
| **2024-013** | APPROVING THE PROPOSED EMPLOYEE WELFARE AND DEVELOPMENT PROGRAMS OF THE PHILIPPINE COCONUT AUTHORITY AND THE APPROPRIATION OF FUNDS | MAR. 26, 2024 |
| **2024-014** | APPROVING THE CREATION OF A QUALITY ASSURANCE OFFICE UNDER THE OFFICE OF THE ADMINISTRATOR (OFAD) | MAR. 26, 2024 |
| **2024-015** | APPROVING THE CY 2024 SCHEDULE OF THE PHILIPPINE COCONUT AUTHORITY BOARD | MAR. 26, 2024 |
| **2024-016** | APPROVING THE AUTHORITY OF DR. LIBERTY H. CANJA TO PROCURE, HANDLE, AND TRANSPORT CONTROLLED CHEMICALS FOR THE ZAMBOANGA RESEARCH CENTER (ZRC) | MAR. 26, 2024 |
| **2024-017** | APPROVING THE DELEGATION OF AUTHORITY TO THE ADMINISTRATOR TO APPROVE THE PROCUREMENT, HANDLING, AND TRANSPORT OF CONTROLLED CHEMICALS AND SUBSTANCES AS MAY BE REQUIRED BY THE RULES AND REGULATIONS OF THE PHILIPPINE DRUG ENFORCEMENT AGENCY (PDEA) AND PHILIPPINE NATIONAL POLICE (PNP) | MAR. 26, 2024 |
| **2024-018** | APPROVING THE CONTINUING APPROPRIATIONS AMOUNTING TO P656,561,303.42 AS PART OF THE FY 2024 CORPORATE OPERATING BUDGET (COB) OF THE PHILIPPINE COCONUT AUTHORITY (PCA) | MAR. 26, 2024 |
| **2024-019** | APPROVING THE FY 2025 PLAN AND BUDGET PROPOSAL | APR. 19, 2024 |
| **2024-020** | APPROVING THE INCLUSION OF COCONUT ZYGOTIC EMBRYO AS ADDITIONAL ITEM IN THE LIST OF PROHIBITED AND REGULATED COMMODITIES FOR EXPORT | APR. 19, 2024 |
| **2024-021** | APPROVING THE CONDUCT OF A NATIONWIDE OIL PALM FARMERS REGISTRY SYSTEM SURVEY IN REGIONS IV, VIII, IX, X, XII, XIII, AND BARMM | APR. 19, 2024 |
| **2024-022** | APPROVING THE GUIDELINES ON THE UTILIZATION OF ADMINISTRATIVE FUNDS FOR THE IMPLEMENTATION OF THE PROGRAMS UNDER THE COCONUT FARMERS AND INDUSTRY TRUST FUND ACT FOR FY 2024 AND THE SUPPLEMENTAL MEMORANDUM OF AGREEMENT FOR THIS PURPOSE | JUNE 24, 2024 |
| **2024-023** | APPROVING THE DRAFT COMPROMISE AGREEMENT IN RE: CIVIL CASE NO. V-48-23 FOR THE ABATEMENT OF NUISANCE AND DAMAGES FILED BY SHERLITA FROST AGAINST THE PCA | JUNE 24, 2024 |
| **2024-024** | APPROVING THE REQUEST FOR ISSUANCE OF A RESOLUTION AUTHORIZING THE ADMINISTRATIVE TO HIRE AN ADDITIONAL LAWYER UNDER A CONTRACT OF SERVICE AGREEMENT TO BE ASSIGNED AT THE LEGAL AFFAIRS SERVICE (LAS) | JUNE 24, 2024 |

| | | |
|---|---|---|
| **2024-025** | APPROVING THROUGH AD REFERENDUM THE SECONDMENT OF DR. DEXTER RESPICIO BUTED TO THE PHILIPPINE COCONUT AUTHORITY (PCA) AS A MEMBER OF THE PCA BOARD AND ADMINISTRATOR/CHIEF EXECUTIVE OFFICER | JULY 1, 2024 |
| **2024-026** | RE-ELECTION OF DEXTER R. BUTED AS PCA ADMINISTRATOR/CEO | JULY 2, 2024 |
| **2024-027** | AUTHORIZING THE SPECIAL COCONUT MANAGEMENT AREA FOR REGIONS I-II & CAR TO OPEN A NEW BANK ACCOUNT IN THE LAND BANK OF THE PHILIPPINES-CARMEN BRANCH | JULY 2, 2024 |
| **2024-028** | RATIFICATION OF BOARD RESOLUTION NO. 013-2023 APPROVING THE PROPOSAL OF THE LANDBANK OF THE PHILIPPINES AND DEVELOPMENT BANK OF THE PHILIPPINES TO AMEND THE TERMS AND CONDITIONS OF THE COCONUT FARMERS AND INDUSTRY DEVELOPMENT LENDING PROGRAM | SEPT. 17, 2024 |
| **2024-029** | APPROVAL OF THE PROPOSED AMENDMENTS TO THE COCONUT FARMERS AND INDUSTRY DEVELOPMENT PLAN (CFIDP) AS INCORPORATED IN THE 2024 AMENDED CFIDP | SEPT. 17, 2024 |
| **2024-030** | APPROVING THE CREATION OF A TASK FORCE TO ADDRESS THE PROBLEM OF CONTROL AND MANAGEMENT OF ASIATIC PALM WEEVIL | SEPT. 17, 2024 |
| **2024-031** | APPROVING THE ADDITIONAL ANALYTICAL SERVICES OFFERED BY THE LABORATORY SERVICES DIVISION OF THE PHILIPPINE COCONUT AUTHORITY AND THE CORRESPONDING FEES | SEPT. 17, 2024 |
| **2024-032** | APPROVING THE AWARD OF CONTRACT FOR LOT 2 OF THE SUPPLY & DELIVERY OF VARIOUS MOTOR VEHICLES AND TRUCKS TO SJ LEGACY MOTORS, INC. JOINT VENTURE AGREEMENT WITH NISSAN COMMONWEALTH, INC. AMOUNTING TO NINETY-THREE MILLION NINETY THOUSAND AND ONE-HUNDRED-FIFTY PESOS (P93,090,150.00) | OCT. 14, 2024 |
| **2024-033** | APPROVING THE PROPOSED RECONSTITUTION OF THE PHILIPPINE COCONUT BOARD COMMITTEES, AMENDMENT OF FUNCTIONS, AND COMPOSITION | OCT. 14, 2024 |
| **2024-034** | APPROVING THE AMENDMENT TO CORPORATE ORDER NO. 01-2024 ON THE SIGNING AUTHORITY REQUIRED FOR COMMUNAL NURSERY ESTABLISHMENT AND DISTRIBUTION OF PROCURED OPEN-POLLINATED VARIETY SEEDLINGS UNDER THE COCONUT HYBRIDIZATION PROGRAM | OCT. 14, 2024 |

| | | |
|---|---|---|
| **2024-035** | APPROVING THE CONDUCT OF INTERNAL AUDIT ANNUAL PERFORMANCE MONITORING AND EVALUATION AND PLANNING WORKSHOP ON NOVEMBER 26 TO 29, 2024 | OCT. 14, 2024 |
| **2024-036** | APPROVING THE PHILIPPINE COCONUT AUTHORITY RISK MANAGEMENT PLAN 2024 | NOV. 19, 2024 |
| **2024-037** | APPROVING THE CY 2025 PERFORMANCE SCORECARD FOR THE PHILIPPINE COCONUT AUTHORITY (PCA) | NOV. 19, 2024 |
| **2024-038** | ADOPTING THE FUNCTIONS OF THE INTERNAL AUDIT DEPARTMENT IN THE PHILIPPINE COCONUT AUTHORITY MANUAL OF CORPORATE GOVERNANCE | DEC. 12, 2024 |
| **2024-039** | APPROVING THE CY 2025 ANNUAL INTERNAL AUDIT PLAN | DEC. 12, 2024 |
| **2024-040** | APPROVING THE REPROGRAMMING OF PRIOR YEARS' BALANCES FROM 2018 TO 2022 AMOUNTING TO P11,662,767.48 AND THE ENDORSEMENT TO THE DEPARTMENT OF BUDGET AND MANAGEMENT | DEC. 12, 2024 |
| **2024-041** | AUTHORIZING MR. ISAGANI N. ZORRA, ADMINISTRATIVE OFFICER I TO TESTIFY BEFORE THE SANDIGANBAYAN AND CONFIRM THE AUTHENTICITY OF THE CERTIFIED TRUE COPIES OF BOARD RESOLUTIONS REQUESTED BY THE PRESIDENTIAL COMMISSION ON GOOD GOVERNMENT IN CIVIL CASE NOS. 0033-B AND 0033-E | DEC. 12, 2024 |
| **2024-042** | APPROVING THE CRITERIA FOR THE BOARD PERIODIC PERFORMANCE EVALUATION CRITERIA | DEC. 12, 2024 |
| **2024-043** | APPROVING THE RENEWAL OF THE CONTRACT OF SERVICE AGREEMENT OF ATTY. ANNA ISABEL S. BUGAY FOR CY 2025 AND THE AUTHORITY OF THE ADMINISTRATOR TO HIRE THE SERVICES OF A LAWYER UNDER A CONTRACT OF SERVICE AGREEMENT | DEC. 12, 2024 |
| **2024-044** | APPROVING THE PROPOSED SCHEDULE OF CY 2025 REGULAR BOARD MEETINGS AND BOARD COMMITTEE MEETINGS | DEC. 12, 2024 |
| **044-2024** | **-END OF RECORDS-** | |

*13 TOTAL NO. OF BOARD MEETINGS CONDUCTED*

# OPERATIONAL HIGHLIGHTS

# Coconut Fertilization Project

The Coconut Fertilization Project, one of the core programs of the Authority, is aimed at rehabilitating low-yielding mature coconut palms with the potential for increased commercial production. This is achieved through the application of 2.0 kg of Agricultural Grade Salt Fertilizer (AGSF) per palm annually. In line with Republic Act 10068 or the Organic Agriculture Act of 2010, the project also promotes compost production as a soil conditioner using Composting Facilities for Biodegradable Wastes (CFBWs).

**Agricultural Grade Salt Fertilizer (AGSF) Application in CY 2024**

In CY 2024, the project has achieved a 98% accomplishment in delivery with 111,775 bags of AGSF delivered out of the targeted 114,045 bags. Consequently, 2,383,104 coconut palms have been fertilized, representing 84% of the project's target to fertilize 2,851,125 palms. This initiative has directly benefited 25,353 coconut farmers.

Moreover, delivery, distribution, and application of AGSF are ongoing in regions that have not yet fully achieved their targets. Meanwhile, the target for Palawan (Region IV-B) will not be met due to the supplier's contract termination. The said termination was caused by logistical issues which interrupted the delivery to Palawan. As a result, the allocation for Palawan will be carried over and fulfilled in the following year.

| Region | Target | Accomplishment | | | Status |
|---|---|---|---|---|---|
| | No. of Palms Fertilized | No. of Palms Fertilized | % | No. of Farmer Beneficiaries | |
| **Total** | **2,851,125** | **2,383,104** | **84%** | **25,353** | |
| I | 34,500 | 34,500 | 100% | 390 | 100% accomplished |
| II | 47,000 | 30,000 | 64% | 320 | On-going distribution and application |
| III | 40,000 | 40,000 | 100% | 285 | 100% accomplished |
| IVA | 306,100 | 306,100 | 100% | 3,168 | 100% accomplished |
| IVB | 225,200 | 165,050 | 73% | 1,726 | Contract terminated by supplier, Palawan allocation to be procured for next year |
| V | 135,700 | 6,600 | 5% | 67 | On-going delivery, distribution and application of AGSF |
| VI | 131,700 | 110,600 | 84% | 1,336 | On-going distribution and application of AGSF |
| VII | 167,475 | 177,504 | 106% | 3,023 | 100% accomplished |
| VIII | 237,875 | 237,875 | 100% | 2,248 | 100% accomplished |
| IX | 296,925 | 296,925 | 100% | 3,418 | 100% accomplished |
| X | 207,375 | 218,425 | 105% | 2,185 | 100% accomplished, with repeat order from savings |
| XI | 365,125 | 365,125 | 100% | 3,165 | 100% accomplished |
| XII | 253,400 | 74,250 | 29% | 546 | On-going distribution and application of AGSF |
| XIII | 212,800 | 212,800 | 100% | 2,402 | 100% accomplished |
| BARMM | 189,950 | 107,350 | 57% | 1,074 | On-going distribution and application of AGSF |

**Composting Facility for Biodegradable Wastes (CFBW) and Compost Production**

Aside from AGSF, the Authority is also committed in promoting organic agriculture, effective waste management, and a sustainable economy within the coconut farming sector. As a testament to that, for CY 2024, sixty-six (66) Small Coconut Farmers Organizations (SCFOs) and Farmers Cooperative Associations (FCAs) across various regions utilized CFBWs for compost production. Collectively, these organizations produced a substantial 610,846 kilograms of compost.

Furthermore, the project disbursed a total of Php 4,531,755 in incentives to the participating SCFOs/FCAs. These incentives provide crucial support, recognizing farmers' efforts, and encouraging their continued engagement in organic and sustainable farming practices.

# Smallholder Oil Palm Plantation Development Program

The Smallholder Oil Palm Plantation Development Project (SOPDP), implemented in 2014, supports the coconut industry while simultaneously developing the oil palm sector. The project primarily focuses on bridging the raw material supply gap of palm oil for processing into food, feed, and industrial uses to reduce import dependence. This is achieved through promoting organized grower and out-grower models with marketing tie-ups with oil millers towards ensuring market access and sustainable production.

In 2024, the project was composed of four (4) components: 1) Oil Palm Planting/Replanting. 2) Rehabilitation thru Fertilization, 3) Fertilization Yr. 2, and 4) Research and Development

**1. Oil Palm Planting/Replanting**

Under the Oil Palm Planting/Replanting component, PCA has distributed good quality oil palm seedlings to smallholder oil palm growers. This involves planting of oil palm in open and highly suitable and/or replanting of existing oil palm plantations using high yielding (138) F1 hybrid oil palm seedlings per hectare along with the provision of fertilizer support of about two (2) bags of Complete and one (1) bag of Ammonium Sulfate Fertilizers for every hectare for the first few months from planting.

As of December 2024, the Authority was able to accomplish 100% of its target for the said component. The 2024 target area for planting/replanting is 791 hectares distributed across Regions IX, X, XI, XII, XIII, and BARMM. Specifically, this translates to having planted 109,158 oil palm seedlings which will benefit 724 oil palm growers. The Oil Palm Planting/Replanting component was implemented with the use of Basal Fertilizer of 791 bags of Ammonium Sulfate (AS) and 1,582 bags of Complete Fertilizer (14-14-14).

| Region | Target | | | | Accomplishment | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area to be Planted (ha) | No. of Seedlings to be Planted | No. of Fertilizer (bags) | No. of Farmers | Area Planted (ha) | No. of Seedlings Planted | No. of Fertilizer (bags) | No. of Farmers | Status |
| **TOTAL** | **791** | **109,158** | **2,373** | **724** | **791** | **109,158** | **2,373** | **724** | **100% Accomplished** |
| IX | 100 | 13,800 | 300 | 100 | 100 | 13,800 | 300 | 100 | 100% Accomplished as of November 2024 |
| X | 70 | 9,660 | 210 | 70 | 70 | 9,660 | 210 | 70 | 100% Accomplished as of August 2024 |
| XI | 69 | 9,522 | 207 | 69 | 69 | 9,522 | 207 | 69 | 100% Accomplished as of October 2024 |
| XII | 207 | 28,566 | 621 | 207 | 207 | 28,566 | 621 | 207 | 100% Accomplished as of July 2024 |
| XIII | 235 | 32,430 | 705 | 235 | 235 | 32,430 | 705 | 235 | 100% Accomplished as of August 2024 |
| BARMM | 110 | 15,180 | 330 | 43 | 110 | 15,180 | 330 | 43 | 100% Accomplished as of December 2024 |

Table 1. Planting/Replanting Physical Accomplishment CY 2024

Late 2024, the Administrator issued an order to accommodate the commitments made to government officials in Regions IX and XII for further assistance on oil palm planting and rehabilitation using reprogrammed funds from SOPDP's prior years. For the commitments made in the form of the Planting/Replanting component, the target area for Region XII is 130 hectares to be planted with 17,940 oil palm seedlings accompanied with prescribed basal fertilizer support of 130 bags of Ammonium Sulfate (AS) and 260 bags of Complete Fertilizer (14-14-14).

**2. Rehabilitation thru Fertilization**

Pursuant to the rehabilitation component, the PCA distributed inorganic fertilizers at a rate of four (4) bags of Ammonium Sulfate (AS), and three (3) bags of Muriate of Potash (KCL) per hectare. This is to rehabilitate oil palms aged 4-20 years old and with the average yield of below 10MT of Fresh Fruit Bunch (FFB) per hectare. For CY 2024, the province of Palawan targeted the rehabilitation of 18,816 oil palms spanning 147 hectares. The project was 100% accomplished last July 31, 2024 which benefitted 147 oil palm growers.

In addition, total of 48,862 palms are to be fertilized in 364 hectares of land in Regions IX and XII which will benefit 364 oil palm growers in compliance with the Administrator's commitments for the Rehabilitation thru Fertilization component.

**3. Fertilization Yr. 2**

Fertilization for Year 2 component was introduced to reinforce the fertilizer support for the oil palm seedlings planted under Oil Palm Planting/Replanting in CY 2023. This involves the provision of three (3) bags of AS fertilizer and two (2) bags of KCL fertilizer per hectare.

Also, the project targeted the fertilization of 120,336 oil palm seedlings in 872 hectares of land in Regions IX, X, XI, XII, XIII, and BARMM. As of December 2024, the Authority reported 100% accomplishment by fertilizing a total of 120,336 oil palm seedlings in 872 hectares which has benefitted 764 oil palm growers.

Table #: Fertilization Yr. 2 Physical Accomplishment CY 2024

| Region | Target | | | | Accomplishment | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area (ha) | No. of Seedlings | No. of Fertilizer (bags) | No. of Farmers | Area Applied (ha) | No. of Seedlings Fertilized | No. of Fertilizer (bags) | No. of Farmers | Status |
| **TOTAL** | **872** | **120,336** | **4,360** | **764** | **851** | **120,336** | **4,360** | **764** | **100% Accomplished** |
| IX | 73 | 10,074 | 365 | 73 | 73 | 10,074 | 365 | 73 | 100% Accomplished as of November 2024 |
| X | 82 | 11,316 | 410 | 82 | 82 | 11,316 | 410 | 82 | 100% Accomplished as of August 2024 |
| XI | 39 | 5,382 | 195 | 39 | 39 | 5,382 | 195 | 39 | 100% Accomplished as of November 2024 |
| XII | 249 | 34,362 | 1,245 | 249 | 249 | 34,362 | 1,245 | 249 | 100% Accomplished as of August 2024 |
| XIII | 247 | 34,086 | 1,235 | 247 | 247 | 34,086 | 1.235 | 247 | 100% Accomplished as of August 2024 |
| BARMM | 182 | 25,116 | 910 | 74 | 182 | 25,116 | 910 | 74 | 100% Accomplished as of December 2024 |

# Simultaneous Planting

For the celebration of the 38th National Coconut Week, with the theme "Paghubog sa Pilipinong Magniniyog Daan sa Pag-angat ng Ekonomiya at Maunlad na Bagong Pilipinas", the PCA conducted a nationwide simultaneous coconut planting activity as one of the highlights of the month-long celebration, mainly involving the coconut farmers as the backbone of the coconut industry. Coconut planting and replanting is a major undertaking of the Authority to ensure long-term reliability of supply of coconut which also plays a vital role in food security and sustainability. Likewise, the said activity contributed to PCA's accomplishment to fast track the implementation of the coconut planting and replanting project as target for CY 2024.

From June to August 2024, the PCA Central Office and Regional Offices successfully planted 3,391,296 coconut seedlings covering 15,423 hectares, and benefitting 13,830 farmers. This accomplishment brought the Authority closer to its target of planting 100 million coconut trees by the end of CY 2028. This endeavor aims to replace senile palms and unproductive palms and those damaged by natural calamities and pest infestations; to expand areas planted with coconut, and; to adopt a whole-of-nation approach which seeks to facilitate the active participation of public and private sectors, civil society organizations, and coconut farmers. The successful implementation of this project will lead our country towards a more sustainable coconut industry and open diverse opportunities and benefits for our coconut farmers.

**SUSTAINABLE PLANTING REPLANTING OF LOCAL CULTIVARS (SPRLCP)**

The Sustainable Planting and Replanting of Local Cultivars Project (SPRLCP) is focused on the planting of recommended local cultivars (tall and dwarf varieties) in the upland and coastal areas where hybrid varieties are deemed not suited for commercial cultivation. SPRLCP also supports the long-term reliability of supply to coconut to cope with the increasing demand in the domestic and international markets. Under this project, PCA shall provide and distribute good quality coconut seedlings to coconut farmer beneficiaries. Eligible coconut farmer beneficiaries must have at least 0.5 to 5.0 hectares of farmland and must be registered in the National Coconut Farmers' Registry System (NCFRS).

To continuously replace the senile and unproductive coconut palms and expansion of new areas for coconut plantation, PCA has distributed 1,492,634 coconut seedlings nationwide. For the period of January to December 2024, about 1,485,639 seedlings were planted covering 9,821 hectares involving 9,609 farmer participants.

**To highlight, here are some of the notable accomplishments among the regional offices:**

*Region XI has accomplished 100% of the target with 263,835 seedlings planted and 1,564 farmer beneficiaries.*
*Region VIII has accomplished 92% of the target with 208,600 and 1,536 farmer beneficiaries.*
*Region VI has accomplished 89% of the target with 133,633 seedlings planted and 1,088 farmer beneficiaries.*

Table 1. Sustainable Planting and Replanting of Local Cultivars Project (SPRLCP).

| PPA | Sustainable Planting Replanting of Local Cultivars Project (SPRLCP) | | | | |
|---|---|---|---|---|---|
| Indicator | No. of Seedlings Planted | | | | |
| Regions / Centers | CY 2024 Target | | Accomplishment | | |
| | Area Planted (ha) | No. Seedlings Planted | Area Planted (ha.) | Seedlings Planted (No.) | Farmer Beneficiaries (No.) |
| **TOTAL** | **17,290** | **2,455,310** | **9,821** | **1,485,639** | **9,609** |
| I-II & CAR | 400 | 57,200 | 264 | 37,720 | 250 |
| III & IV-B | 980 | 140,140 | 421 | 60,705 | 445 |
| IV - A | 1,240 | 160,160 | 884 | 96,525 | 666 |
| V | 990 | 141,570 | 407 | 55,866 | 484 |
| VI | 1,050 | 150,150 | 899 | 133,633 | 1,088 |
| VII | 1,180 | 168,740 | 885 | 126,555 | 824 |
| VIII | 1,580 | 225,940 | 1,398 | 208,600 | 1,536 |
| IX | 1,315 | 188,045 | 646 | 92,364 | 628 |
| X | 1,385 | 198,055 | 770 | 120,013 | 776 |
| XI | 1,845 | 263,835 | 1,611 | 263,835 | 1,564 |
| XII | 1,645 | 235,235 | 514 | 129,415 | 514 |
| XIII | 2,300 | 328,900 | 966 | 138,125 | 756 |
| XIV | 1,380 | 197,340 | 156 | 22,283 | 78 |

**Maintenance of Seedfarm**

The project aims to augment potential sources of good quality materials that will be made available to the coconut farmers to support the coconut planting project of the Authority. This is being implemented in partnership with the Local Government Units (LGUs), State Universities and Colleges (SUCs), and private entities.

As of December 31, 2024, about 19 seed farms were maintained in selected strategic locations which were planted with recommended Open Pollinated Varieties (OPVs). In Luzon, there are five (5) sites being maintained and planted with 4,923 palms including 6 bearing trees, 27 flowering trees, and 4890 vegetative trees.

In Visayas, there are six (6) sites being maintained and planted with 12,665 palms including 227 bearing trees, 886 flowering trees, and 11,552 vegetative trees.

In Mindanao, there are eight (8) sites being maintained and planted with 12,940 palms including 175 bearing trees, 94 flowering trees, and 12,671 vegetative trees. Overall, there are 30,528 existing OPV Palms planted all over the country.

The maintenance activities of the seed farm include site clearing, weeding around the palms, application of recommended fertilizers, pest monitoring and, control, replacement of seedling mortality, and other good agricultural practices on coconut.

# Coconut Hybridization Program (CHP)

The Coconut Hybridization Program (CHP) is a component of the Coconut Farmers and Industry Development Plan (CFIDP) which is stipulated under the Coconut Farmers and Industry Trust Fund (CFITF / RA 11524) Act and is entrusted to the Philippine Coconut Authority. The program aims to ensure a sustained and increased supply of certified hybrid planting materials with necessary nutrient support complementing the existing planting and replanting program of the Authority.

The specific objective of the project includes 1) mass production of hybrid planting materials thru (a) improvement of the capacity of the existing PCA Hybrid Seed Production Centers, (b) implementation of on-farm hybridization (c) establishment of new seed farms for future hybrid production, (d) assurance of the regular supply of quality pollen; 2) establishment of communal nurseries; 3) widespread planting and replanting of hybrids, and; 4) build/ upgrade technical skills of farm crews and extension workers.

**Hybrid Seednut Production**

The mass production of high-yielding coconut hybrids for distribution to eligible farmers involved the utilization of the recommended parental palms to produce single-cross coconut hybrids. The production of hybrid seednuts in PCA Seedgardens and On-Farm Hybrid Seed Production sites owned by individual or institutional partners is anchored on the Assisted Pollination Technique following Good Agricultural Practices (GAP). This project component shall be covered by a Memorandum of Agreement (MOA) stipulating the responsibilities of the parties and other provisions.

In 2024, a total of 157 farmer-partners were engaged with the On-Farm Hybrid Seed Production (OFHSP) project. Expert teams composed of coconut breeding specialists and trained personnel on palm varietal identification evaluated the proposed areas through on-site visits.

For palm hybridization, a total of 66,003 palms were hybridized which accounted for 98.8% of the targeted 66,796 hybridized palms. Moreover, OFHSP produced 627,126 hybrid seednuts while for In-House Hybrid Seednut Production, 875,694 seednuts were produced resulting to 1,502,820 seednuts for CY 2024.

Table 2. Hybrid Seednut Production.

| | PAP | Hybrid Seednut Production | |
|---|---|---|---|
| | Indicator | Hybrid Seednuts Produced (No.) | |
| Component | Regions / Centers | CY 2024 Target | As of Dec 31, 2024 Accomplishment |
| In-House Hybrid Seed Production | APCDC | 65,624 | 6,098 |
| | ARC | 40,901 | 17,567 |
| | CVCSPC | 185,004 | 129,528 |
| | LSF | 10,337 | 8,762 |
| | ZRC | 391,881 | 94,653 |
| | DRC | 52,910 | 29,703 |
| | NCSPC | 964,099 | 579,383 |
| | **Sub Total** | **1,710,756** | **875,694** |
| On-Farm Hybrid Seed Production | IV-A | 258,990 | 114,918 |
| | IV-B | 24,840 | 7,112 |
| | V | 13,625 | 17,045 |
| | VI | 164,405 | 18,544 |
| | VII | 45,690 | 6,507 |
| | VIII | 7,765 | 752 |
| | IX | 208,824 | 54,946 |
| | X | 215,736 | 135,097 |
| | XI | 58,239 | 37,471 |
| | XII | 513,686 | 193,446 |
| | XIII | 11,150 | 708 |
| | XIV | 71,344 | 40,580 |
| | **Sub Total** | **1,589,244** | **627,126** |
| **TOTAL** | | **3,300,000** | **1,502,820** |

Table 2.a. On-Farm Palm Hybridization.

| PPA | Hybrid Seednut Production | | |
|---|---|---|---|
| Indicator | Hybridized Palms (No.) | | |
| Regions | CY 2024 Target | As of Dec 31, 2024 Accomplishment | OFHSP - OPV Harvest as of Dec. 31, 2024 |
| **TOTAL** | **42,953** | **42,160** | **744,018** |
| IV-A | 5,764 | 5,277 | 13,574 |
| IV-B | 734 | 734 | 6,875 |
| V | 350 | 260 | 1,597 |
| VI | 5,699 | 5,699 | 34,846 |
| VII | 1,074 | 1,074 | 11,055 |
| VIII | 426 | 371 | 4,380 |
| IX | 6,466 | 6,305 | 80,700 |
| X | 3,279 | 3,279 | 17,351 |
| XI | 3,279 | 3,279 | 131,559 |
| XII | 12,707 | 12,707 | 377,343 |
| XIII | 1,115 | 1,115 | 7,799 |
| XIV | 2,060 | 2,060 | 56,939 |

Table 2.b. On-Farm Palm Hybridization.

| PPA | Hybrid Seednut Production | |
|---|---|---|
| Indicator | Hybridized Palms (No.) | |
| Regions / Centers | CY 2024 Target | As of Dec 31, 2024 Accomplishment |
| **TOTAL** | **23,843** | **23,843** |
| APCDC | 600 | 600 |
| ARC | 535 | 535 |
| CVCSPC | 3350 | 3350 |
| LSF | 208 | 208 |
| ZRC | 5500 | 5500 |
| DRC | 850 | 850 |
| NCSPC | 12800 | 12800 |

**Seed Farm Establishment**

The establishment seedfarms aim to produce sufficient hybrid seednuts for the future needs of the Authority. The project involves partnerships with Local Government Units (LGUs), State Universities and Colleges (SUCs), other government agencies, Coconut Farmer Cooperatives and Associations, Agrarian Reform Beneficiaries (ARBs), and private individuals through a Memorandum of Agreement (MOA). The area shall be planted with selected dwarf coconut cultivars (as mother palms) and tall cultivars (pollen source) to augment potential sources of good-quality planting materials.

As of December 31, 2024, a total of 333.9 hectares were approved by the Project Review Committee (PRC) out of the 495 hectares total regional target, as part of pre-implementation stage. About 270.9 hectares of which are documented with a signed MOA between PCA and the project partners.

Initially, about 133.60 hectares were planted to coconut seedlings of selected varieties which covered nine (9) regions at about 68.9 hectares. These were planted as expansion of areas in PCA Seed Production Centers such as ARC, ZRC, DRC, CVCSPC and NCSPC.

Furthermore, a total of 1,837,452 seedlings were planted as OPV Parental Palms accounting for over 100% of the targeted 1,829,598 seedlings procured from CY 2023. A total of 13,452 hectares were planted with seedlings wherein 10,686 farmers benefited from the project. Moreover, an additional 337,084 seedlings procured in CY 2024, were planted in 3,080 hectares with 1,730 farmer beneficiaries.

Table 3. Seedfarm Establishment.

| PPA | Seedfarm Establishment | | | |
|---|---|---|---|---|
| Indicator | Area Planted (ha) | | | |
| Regions/Center | Target Area (ha) | Approved by PRC | Area with Signed MOA (has) | Expansion Area Planted (has) |
| **TOTAL** | **555.0** | **333.9** | **270.9** | **202.5** |
| **Regional** | **495.0** | **333.9** | **270.9** | **133.6** |
| I | 35.0 | 25.0 | | |
| II | 19.0 | 19.0 | 12.0 | |
| III | 35.0 | 18.9 | 8.9 | |
| IVA | 15.0 | 15.0 | 15.0 | 15.0 |
| IVB | 30.0 | 45.0 | 35.0 | 7.0 |
| V | 20.0 | | | |
| VI | 30.0 | 5.0 | 5.0 | 5.0 |
| VII | 40.0 | 40.0 | 40.0 | 40.0 |
| VIII | 43.0 | 21.0 | 21.0 | |
| IX | 61.0 | 56.0 | 56.0 | 14.5 |
| X | 20.0 | 20.0 | 20.0 | 12.5 |
| XI | 20.0 | 20.0 | 20.0 | 13.2 |
| XII | 18.0 | *terminated (region to submit new site)* | | |
| XIII | 80.0 | 20.0 | 20.0 | 8.5 |
| BARMM | 29.0 | 29.0 | 18.0 | 18.0 |
| **PCA owned facilities** | **60.0** | | | **68.9** |
| ARC | 5.0 | | | 5.2 |
| ZRC | 10.0 | | | 18.1 |
| DRC | 5.0 | | | 5.5 |
| NCSPC | 20.0 | | | 20.1 |
| CVCSPC | 20.0 | | | 20.0 |

Table 3.a. Planting of CY 2023 OPV Parental Palms.

| PPA | Seedfarm Establishment | | | |
|---|---|---|---|---|
| Indicator | OPV Parental Palms (No. of Seedlings Planted) | | | |
| Regions / Centers | CY 2023 Target | As of Dec 31, 2024 | | |
| | | Seedlings Planted (No.) | Area Planted (has) | Number of Farmer Beneficiaries |
| **TOTAL** | **1,829,598** | **1,837,452** | **13,452** | **10,686** |
| I | 79,241 | 56,718 | 400 | 151 |
| II | 50,636 | 49,979 | 350 | 208 |
| III | 18,506 | 11,090 | 78 | 38 |
| IV-A | 131,736 | 149,440 | 1,494 | 1,054 |
| IV-B | 124,414 | 166,807 | 1,293 | 1,326 |
| V | 14,153 | 14,822 | 104 | 123 |
| VI | 25,445 | 24,924 | 174 | 201 |
| VII | 14,280 | 14,150 | 99 | 60 |
| VIII | 220,013 | 235,066 | 1,644 | 1,171 |
| IX | 94,104 | 111,572 | 780 | 658 |
| X | 225,179 | 188,495 | 1,318 | 951 |
| XI | 148,854 | 146,686 | 1,026 | 896 |
| XII | 139,456 | 114,400 | 823 | 426 |
| XIII | 480,480 | 482,907 | 3,377 | 3,212 |
| XIV | 63,101 | 70,396 | 492 | 211 |

Table 3.b. Planting of CY 2024 OPV Parental Palms.

| PPA | Seedfarm Establishment | | | |
|---|---|---|---|---|
| Indicator | OPV Parental Palms (No. of Seedlings Planted) | | | |
| Regions / Centers | CY 2024 Target | As of Dec 31, 2024 | | |
| | | Seedlings Planted (No.) | Area Planted (has) | Number of Farmer Beneficiaries |
| **TOTAL** | **586,116** | **337,084** | **3080** | **1,730** |
| IV-A | 117,646 | 117,646 | 1176 | 655 |
| VII | 31,200 | 32,478 | 151 | 152 |
| VIII | 65,540 | 65,540 | 437 | 342 |
| IX | 61,580 | 62,302 | 436 | 374 |
| X | 40,050 | 26,152 | 183 | 104 |
| XII | 72,700 | 1,430 | 10 | - |
| XIII | 173,670 | - | - | - |
| XIV | 23,730 | 31,536 | 687 | 103 |

**Communal Nursery Establishment**

The management of communal nurseries aim to produce quality nursery-raised polybagged hybrid seedlings for distribution and eventually planting in suitable areas for farmers. The established nurseries are communal that are centrally managed and located near the area for planting and replanting.

A number of 115 nursery sites were established with a total of 781,050 seednuts sown.

Table 4. Communal Nursery Establishment.

| PPA | Communal Nursery Establishment | | | |
|---|---|---|---|---|
| Indicator | Seednuts Sown (No.) | | | |
| Regions / Centers | CY 2024Target | | Accomplishment | |
| | Seednuts to be sown (no.) | Sites to be established (no.) | Seednuts sown (no.) | Sites established (no.) |
| **TOTAL** | **3,300,000** | **286** | **1,490,300** | **123** |
| **I, II & CAR** | 9,355 | 5 | 18,000 | 1 |
| **IV-A** | 1,006,155 | 92 | 296,206 | 25 |
| **III & IV-B** | 57,621 | 3 | 9,355 | 0 |
| **V** | 208,054 | 16 | 34,402 | 10 |
| **VI** | 257,645 | 19 | 48,559 | 8 |
| **VII** | 131,157 | 11 | 129,906 | 8 |
| **VIII** | 110,600 | 11 | 33,784 | 4 |
| **IX** | 284,951 | 30 | 115,307 | 23 |
| **X** | 318,320 | 25 | 167,915 | 23 |
| **XI** | 128,976 | 10 | 65,135 | 8 |
| **XII** | 628,180 | 51 | 530,018 | 6 |
| **XIII** | 63,689 | 5 | 2,908 | 2 |
| **BARMM** | 95,297 | 8 | 38,805 | 5 |

# Strategic Planting and Replanting

The program aims to deliver quality hybrid seedlings for planting and replanting in selected suitable sites to replace senile or unproductive palms, those damaged by natural calamities, and complement the regular planting and replanting program of the Authority. The farmer-participants of the project will be clustered to achieve economies of scale, to maximize the benefits of the assistance provided by the government, and for ease of monitoring. This will also ensure that the marketing of raw materials and other coconut products and by-products are assured.

In the implementation of the Strategic Planting and Replanting CY 2024, PCA was able to provide 729,279 hybrid seedlings planted in 5,172 hectares to 5,110 farmer-recipients.

Table 5. Strategic Planting/Replanting.

| PPA | Strategic Planting/Replanting | | | | |
|---|---|---|---|---|---|
| Indicator | Area Planted (ha) | | | | |
| Regions / Centers | CY 2024Target | | Accomplishment | | |
| | Area Planted (ha) | No. Seedlings Planted | Area Planted (ha.) | Seedlings Planted (No.) | Farmer Beneficiaries (No.) |
| TOTAL | 8,904 | 1,273,273 | 5,172 | 729,279 | 5,110 |
| I-II & CAR | 176 | 25,168 | 69 | 9,787 | 64 |
| III & IV-B | 637 | 91,041 | 366 | 45,691 | 392 |
| IV - A | 2,309 | 330,237 | 554 | 81,982 | 612 |
| V | 520 | 74,360 | 219 | 31,260 | 200 |
| VI | 643 | 91,949 | 356 | 44,618 | 356 |
| VII | 353 | 50,479 | 629 | 89,922 | 711 |
| VIII | 524 | 74,932 | 239 | 34,077 | 231 |
| IX | 932 | 133,276 | 634 | 90,631 | 742 |
| X | 731 | 104,533 | 490 | 70,288 | 403 |
| XI | 447 | 63,921 | 603 | 86,265 | 501 |
| XII | 1,267 | 181,181 | 850 | 121,456 | 768 |
| XIII | 163 | 23,309 | 70 | 10,003 | 73 |
| XIV | 202 | 28,887 | 93 | 13,299 | 57 |

**Precision Farming Through Nutrient Support**

This program demonstrates the production potential of the hybrids provided with needed inputs and proper cultural management practices in order to encourage other farmers to engage in coconut hybrid planting. Application of fertilizers delves into the heart of the PCA's Coconut Hybridization Program, specifically focusing on the transformative impact of a strategic fertilization program. By employing mineral fertilizers, the program is nurturing not only stronger coconut palms but also a brighter future for Filipino farmers.

The program's success speaks volumes through the data it has generated: For CY 2023, 524,750 palms in 3,748 hectares were fertilized wherein 2,776 farmers benefited. This accounts for over 100% of the targeted 511,368 palms to be fertilized. Moreover, for CY 2024 182,357 palms in 1,292 hectares were fertilized wherein 1,278 farmers benefited.

Filipino farmers have directly benefited from the program, experiencing a tangible improvement in their livelihoods, with higher yields translating to better incomes. The Coconut Hybridization Program's fertilization strategy shines a light on the immense potential of targeted nutrient delivery in revolutionizing coconut farming. By harnessing the effect of AS, KCl, and AMF, the program paves the way for a future where Filipino

Table 6.a. Precision Farming thru Nutrient Support for CY 2023.

farming. By harnessing the effect of AS, KCl, and AMF, the program paves the way for a future where Filipino farmers can thrive alongside their flourishing coconut groves.

*Table 6.a. Precision Farming thru Nutrient Support for CY 2023.*

| PPA | Precision Farming Thru Nutrient Support CY 2023 | | | |
|---|---|---|---|---|
| Indicator | Number of Palms Fertilized | | | |
| Regions / Centers | CY 2023 Target | As of Dec 31, 2024 Accomplishment | Number of Hectares | Number of Farmer Beneficiaries |
| **TOTAL** | **511,368** | **524,750** | **3,748** | **2,776** |
| I-III | 40,040 | 38,844 | 272 | 260 |
| IV | 17,875 | 166,580 | 1,165 | 1,066 |
| V | 429 | Included in 2024 targets | | |
| VI | 858 | 820 | 6 | 4 |
| VII | 26,884 | 16,445 | 193 | 113 |
| VIII | 57,200 | 45,989 | 322 | 322 |
| IX | 3,003 | 2,637 | 18 | 19 |
| X | 9,295 | 9,300 | 65 | 47 |
| XI | 3,003 | 2,637 | 18 | 5 |
| XII | 322,036 | 221,078 | 1,546 | 793 |
| XIII | 23,595 | 13,320 | 93 | 103 |
| BARM | 7,150 | 7,100 | 50 | 44 |

*Table 6.b. Precision Farming thru Nutrient Support for CY 2024.*

| PPA | Precision Farming Thru Nutrient Support CY 2024 | | | |
|---|---|---|---|---|
| Indicator | Number of Palms Fertilized | | | |
| Regions / Centers | CY 2024 Target | As of Dec 31, 2024 Accomplishment | Number of Hectares | Number of Farmer Beneficiaries |
| **TOTAL** | **291,351** | **182,357** | **1,292** | **1,278** |
| I | 1,020 | 1,430 | 10 | 2 |
| II | 15,425 | 14,300 | 100 | 100 |
| III & IVB | 23,595 | 23,305 | 157 | 184 |
| IV | 13,845 | *Distribution and application by 1st Qtr 2025* | | |
| V | 2,811 | *Included in 2025 target* | | |
| VI | 8,152 | 20,672 | 145 | 125 |
| VII | 7,768 | 7,768 | 54 | 76 |
| VIII | 53,990 | 44,650 | 312 | 322 |
| IX | 36,268 | 36,322 | 254 | 201 |
| X | 3,100 | 3,100 | 22 | 44 |
| XI | 3,971 | 12,295 | 86 | 88 |
| XII | 107,534 | *Distribution and application by 1st Qtr 2025* | | |
| XIII | 6,865 | 18,515 | 152 | 136 |
| BARM | 7,007 | *On-going application* | | |

**Regions IV and XII were delayed in the procurement due to failure in bidding*
**BARMM: the report on field application is still being consolidated by the Region*

**Professionalizing Hybridization Crew**

Building and upgrading the knowledge and technical skills on Assisted Pollination Technique (APT), Good Agricultural Practices (GAP), Pollen Collection and Processing, and CHP Operations aim to professionalize the coconut hybridization workforce, PCA Personnel, farmer-partners, and farm service crew.

The professionalization program adopts a comprehensive training approach which focuses on three key areas which includes Varietal Identification of Mother Palms and Pollen Sources. The program equips PCA Personnel with the ability to identify and select superior mother palms and pollen sources, which are crucial for producing high-yielding hybrid coconuts. This training includes classroom sessions, field demonstrations, and hands-on practice in identifying key morphological characteristics of different coconut varieties.

Second is the Coconut Agro-Technology which delved into the best practices for coconut cultivation, covering topics such as land preparation, planting, fertilization, pest and disease management, and harvesting. Crew members gain valuable knowledge on how to nurture productive coconut trees that are more receptive to hybridization techniques.

Lastly, the Hybridization Crew Training on Coconut Hybridization Protocols and Nursery Management focused on the technical aspects of coconut hybridization, including emasculation, pollination, and controlled crossing techniques. In addition, the Crew members also learned essential nursery management practices to ensure the proper care and development of hybrid coconut seedlings.

The program has already achieved significant milestones, as of December 31, 2024, where a total of 529 crew members underwent comprehensive training across all regions, indicating a strong commitment to improve the capability of the workforce. This accounts for 94% of the targeted 564 crew members to be trained. Regions VI and IX posted the highest participation, with 53 and 54 crew members trained respectively, highlighting the program's reach in key coconut-growing areas.

Table 7. Professionalizing Hybridization Crew.

| PPA | Professionalizing CHP Workforce | |
|---|---|---|
| Indicator | Trainees Trained (No.) | |
| Regions / Centers | CY 2024 Target | Accomplishment |
| **TOTAL** | **564** | **561** |
| I | 5 | 4 |
| II | 5 | 3 |
| III | 5 | 24 |
| IVA | 71 | 24 |
| IVB | 17 | 106 |
| V | 13 | 50 |
| VI | 47 | 42 |
| VII | 16 | 26 |
| VIII | 8 | 34 |
| IX | 47 | 58 |
| X | 47 | 38 |
| XI | 39 | 29 |
| XII | 175 | 30 |
| XIII | 20 | 47 |
| XIV BARMM | 23 | 35 |
| CO NCR | 26 | 11 |

# Challenges and Lessons Learned

The production of coconut seednuts in PCA-owned seed production facilities and On-farm Hybrid Seed Production Sites (OFHSP) was lower than the expected harvest due to the effect of the El Niño phenomenon and pest infestation. In order to mitigate the effect of the El Nino phenomenon in our Hybrid Seed Production Units, PCA provided interventions such as the establishment of irrigation systems, mulching, intercropping, and cover-cropping. To control the effect of pest infestation, the application of biological control agents, establishment of log traps, and conduct of fertilization were conducted by our CHP workforce.

The decrease in the output of our Hybrid Seed Production Units greatly affected the implementation of the Coconut Hybridization Program. This is due to the interconnectivity of the components within CHP from hybrid seednut production, communal nursery establishment, and planting of hybrid seedlings.

The management also observed logistical constraints in delivering hybrid planting materials from the Hybrid Seed Production Units to the target recipients. Thus, in CY 2025, PCA will provide a hauling truck to selected PCA Regional Offices, subject to the approval of the Department of Budget and Management. In addition, the PCA Board approved the recommendation of the Management to delegate the signing authority for Memorandum of Agreement in Communal Nursery Establishment due to the short duration of the program and to further streamline the implementation of CHP.

Currently, the PCA was only able to hybridize 66,796 palms due to the limited available mother palms in the country. Thus, the management is keen to extend the implementation of the program to planting OPV seedlings which will serve as future parental palms to complement the future hybridization operations.

In addition, delays in the procurement of agricultural input- due to failure in the standard technical specifications upon laboratory analysis- were experienced in the implementation of the program. Moving forward, the PCA Regional Offices were advised to conduct early procurement activities to allow enough lead time in the conduct of the bidding process and sufficient time to distribute and apply the agricultural inputs.

**Emerging Good Practices and Success Stories (Qualitative Results)**

Ms. Lilia A. Valmores, an 80-year-old coconut farmer from Davao City, received 350 dwarf coconut seednuts from the planting project of PCA Region XI funded under Republic Act 8048, and produced good quality seedlings planted in their 3-hectare farm. She and her husband, Mr. Anselmo Valmores, started their farm with fruit trees and upland rice, but later transitioned to coconut farming with the help of Philippine Coconut Authority (PCA) Region XI in 1996.

Nanay Lilia and her husband joined the Tamugan Small Coconut Farmers Association (TAMUSCOFA), where her husband served as president for nearly 20 years. The PCA provided the organization with training and support through various projects. Initially, farmers were hesitant on planting dwarf coconut varieties, but Nanay Lilia's success inspired others to use the same on their land. Further, through the PCA Region XI, she applied for the accreditation of their coconut farm as seednut/seedling producer enabling them to directly participate in the planting program.

Coconut farming greatly helped in financing the education of her five children. Through this humble profession, they were able to support their children to become professionals themselves, serving as a PNP Officer, an Automotive Skill Worker, a Seaman, Ca ommerce Professional, and an Agriculturist. Due to some challenges such as fluctuating copra prices, Nanay Lilia diversified their farm by integrating livestock into her farm and continuing to sell high-quality seednuts.

A turning point came when the PCA Region XI sought a partner farmer for the implementation of the On-farm Hybrid Seednut Production under the Coconut Hybridization Program. Nanay Lilia met the requirements of the project, and in 2022, she leased 282 coconut mother palms to PCA. This enabled her to earn a significant income every two (2) months totaling to PhP. 50,760.00 which is an improvement from their net income of PhP20,000.00 every two months prior to the Coconut Hybridization Program. The increase in her income helped her pay for her medical expenses as well. The rest of her farm still generates additional income as of this writing.

"Kung dili tungod sa PCA, dili ta makatanom ug lubi nga nagsuporta sa atoa". "If not for PCA, we could have not planted palms that supported us" A statement of gratitude to the PCA Region XI by the eldest child of Ms. Valmores.

Aside from the income generated, the partnership by the PCA also created jobs, employing five people, including two of her children. The first hybrid coconut harvest in December 2023 yielded promising results, demonstrating the potential of hybrids to increase nut production and help farmers navigate market price fluctuations.

Nanay Lilia gives credit to the PCA for the support throughout her journey in coconut farming and she believes that the implementation of the Coconut Hybridization Program by the PCA will pave the way for a better future for the coconut farmers and the coconut industry in general.

# TRADE & MARKET DEVELOPMENT


GARECO

# Trade Information and Relations Division

The Trade Information and Relations Division (TIRD) is one of the two divisions under the Trade and Market Development Department (TMDD), as provided in the GCG-approved PCA Rationalization Plan of 2013. The Division has three major areas of concern: (1) Trade Information;

(2) Trade Relations; and (3) Trade Regulation. This is integrated and managed into its two (2) major programs, the Trade Information and Data Management System which covers the Trade Information concern, and the Industry Competitiveness and Sustainability Enhancement Program which covers the Trade Relations and Trade Regulations part.

## A. TRADE INFORMATION AND DATA MANAGEMENT SYSTEM

Under this function, TIRD is mandated to: 1) Establish and maintain a data bank of all primary, domestic and international trade/market data; and 2) Analyze data gathered and provide interpretation of impact on trading of coconut oil and other competing oils for use by the PCA management and other stakeholders.

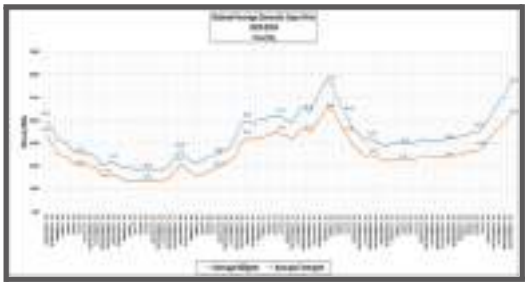
**Data Banking of PCA-Registered Business Entities**

In CY 2024, TIRD consolidated and processed the list of PCA-registered coconut and oil palm-based business entities submitted by the PCA Regional Offices from January to November 2024. Registered business entities were entered into the 2024 PCA Trade Directory and categorized into 27 commodity-based Trade Directories. This is for the PCA Management to see the overall business landscape of the country's coconut and palm oil industry and monitor the growth of the processing and manufacturing sector of the industry. This is to serve as a guide in the decision-making, planning, and strategizing on how to fast-track the inclusive and sustainable development of the coconut and oil palm industry, capture market opportunities, optimize investment opportunities in the industry, and manage risks that may cause an adverse domino effect to the livelihood of the smallholder farmers.

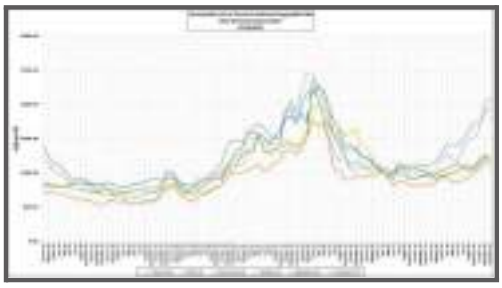
2024 TRADE DIRECTORY - VCO Processors, Manufacturers, & Traders

**Daily Copra and Cooking Oil Price Monitor**

For CY 2024, TIRD prepared 240 Daily Monitoring Price (DMP) reports for copra and coconut oil. Daily copra prices are summarized through a national average price trend and shared via email with PCA Management, PCA Regional Offices, other PCA operating units, and industry stakeholders. This keeps the PCA management and concerned stakeholders abreast of the price trend.

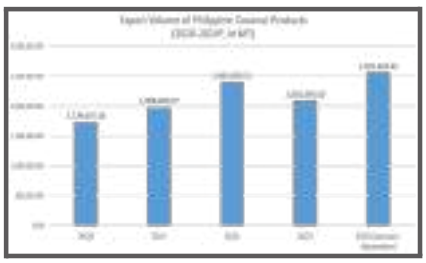
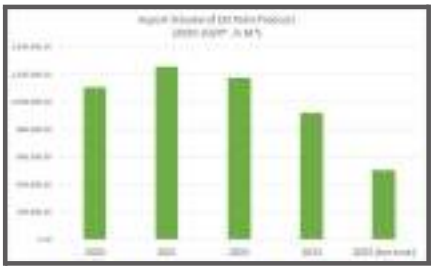


For 2024, TIRD also monitored the monthly global price of coconut oil & other major competing vegetable oils through the World Bank website and provided PCA management with an interpretation of the price trends and their impact on the coconut and local palm oil industry of the country.

**2024 Export and Import Trade Performance of Coconut & Palm Oil Products**

TIRD also monitored the monthly export and import performance of coconut and palm oil products and by-products. Export/import data are analyzed. A report on the interpretation of the export/import trends is provided to the PCA Management and concerned PCA operating units for their information and reference in planning and programming projects and activities.

## B. INDUSTRY COMPETITIVENESS AND SUSTAINABILITY ENHANCEMENT PROGRAM

Under this program, the TIRD spearheaded the following: 1) Addressing of domestic and international trade and market-related issues and concerns, 2) Strengthening of coordination and linkage with industry and development partners, and 3) Capacitation of PCA Inspectorate

In CY 2024, TIRD has responded to 27 trade and market-related issues and concerns, both local and international. Among the major trade concerns acted upon were: 1) EU Proposed MOSH-MOAH Limits in Food and Vegetable Oils; 2) Canada's issue on adulteration of VCO based on sterol & iodine levels; 3) continued issue on saturated fats; 4) Implementation of Traceability System by our international trading partners; 5) General Administration of Customs of China (GACC)'s registration requirement for copra meal exporters to China; 6) unregulated palm oil importation; 7) unregistered coconut and palm oil-based business entities despite PCA Administrative issuance; 8) unclear and overlapping of regulatory functions among regulatory agencies, among others.

To address the different issues and concerns, TIRD spearheaded the conduct of stakeholders' consultations, dialogues, and focus group discussions to come up with a doable Action Plan to address the issues at hand and capture opportunities. TIRD likewise spearheaded the participation/representation of PCA in international forums.

**MAJOR TRADE RELATIONS ACTIVITIES**

In January 2024, TMDD-TIRD, in coordination with the B-SAFE Project and Food Development Center (FDC), facilitated the Conduct of Preliminary Risk Management Plan Workshop (RMP) on MOSH-MOAH. During the activity, the participants from PCA, FDC and Coconut Oil Industry Players gathered to formulate a preliminary analysis of the impact of the EU Regulation on MOH Limits to the policy and trade, production and laboratory capacity to test MOSH MOAH.


**In February 2024, TMDD-TIRD conducted a Coordination Meeting on the Diversification of Coconut oil as Feedstock in the Production of CME and Sustainable Aviation Fuel (SAF)** This is to orient the PCA management on the new opportunity of the coconut industry thru SAF manufacturing.

TIRD and the PCA Administrator sat down as part of the Philippine Delegation in the PH-Canada Bilateral Meeting on Agricultural Cooperation. A possible partnership and cooperation project on harmonizing regulatory systems and requirements, particularly in coconut standards, has been discussed.



*Philippines-Canada Bilateral Meeting in Agriculture Cooperation - February 22, 2024*

On 8 May 2024, TIRD represented the PCA Administrator in the Philippines-US Trade and Investment Framework Agreement Meeting. Issues related to coconut, e.g., saturated fats, and categorizing coconut as a major allergen, were discussed in the meeting.


*Meeting on Philippines-US Trade & Investment Framework Agreement*

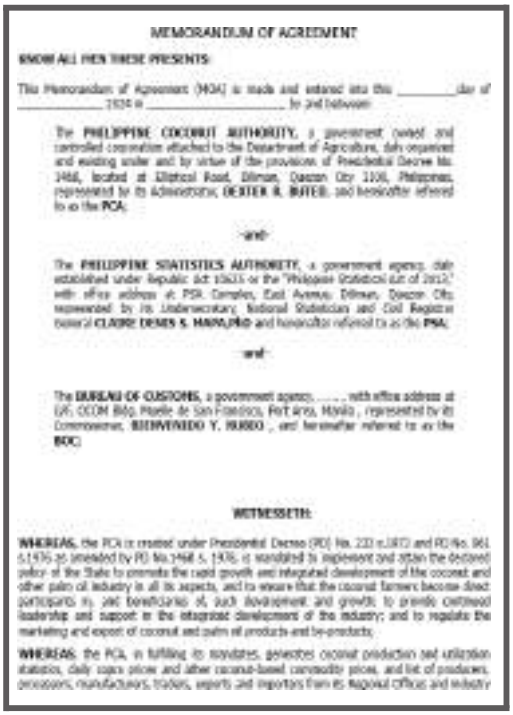
On 22 May 2024, TIRD represented the PCA Administrator in the 9th Food Safety Regulatory Board Meeting. The unclear delineation and overlaps of regulatory functions among food safety regulatory agencies were among the major agenda items of the meeting.

*9th Food Safety Regulation Coordinating Board Meeting - May 22, 2024*

In March 2024, TMDD-TIRD, in coordination with DA-AMAS, facilitated the conduct of the Philippine Agricultural Export Development (PAED) Coconut Stakeholders Meeting - This is to know the needs of the private industry players to further boost Philippine coconut exports.

During the 1st Quarter and 3rd Quarter of 2024, TMDD-TIRD facilitated the Coordination meeting with the Philippine Statistics Authority (PSA) and Bureau of Customs (BOC) on the Harmonization of Coconut Statistics.





MEMORANDUM OF AGREEMENT

KNOW ALL MEN THESE PRESENTS:

This Memorandum of Agreement (MOA) is made and entered into this _____ day of _____ 2024 in _____, by and between:

The **PHILIPPINE COCONUT AUTHORITY**, a government owned and controlled corporation attached to the Department of Agriculture, duly organized and existing under and by virtue of the provisions of Presidential Decree No. 1468, located at Elliptical Road, Diliman, Quezon City 1100, Philippines, represented by its Administrator, **DEXTER R. BUTED**, and hereinafter referred to as the **PCA**;

-and-

The **PHILIPPINE STATISTICS AUTHORITY**, a government agency duly established under Republic Act 10625 or the "Philippine Statistical Act of 2013," with office address at PSA Complex, East Avenue, Diliman, Quezon City, represented by its Undersecretary, National Statistician and Civil Registrar General **CLAIRE DENIES S. MAINUPAO** and hereinafter referred to as the **PSA**;

-and-

The **BUREAU OF CUSTOMS**, a government agency, ..... with office address at (Ar. CCOM Bldg. Manila de San Francisco, Port Area, Manila), represented by its Commissioner, **BIENVENIDO Y. RUBIO**, and hereinafter referred to as the **BOC**;

**WITNESSETH:**

**WHEREAS**, the PCA is created under Presidential Decree (PD) No. 232 s.1972 and PD No. 961 s.1976 as amended by PD No.1468 s. 1978, is mandated to implement and attain the declared policy of the State to promote the rapid growth and integrated development of the coconut and other palm oil industry in all its aspects, and to ensure that the coconut farmers become direct participants in, and beneficiaries of, such development and growth; to provide continued leadership and support in the integrated development of the industry; and to regulate the marketing and export of coconut and palm oil products and by-products;

**WHEREAS**, the PCA, in fulfilling its mandates, generates coconut production and utilization statistics, daily copra prices and other coconut-based commodity prices, and list of producers, processors, manufacturers, traders, exports and importers from its Regional Offices and industry

During the 51st Anniversary of PCA, TMDD-TIRD facilitated the Conduct of Kapehan sa Niyugan: A Coconut Industry - This event is a friendly "meet and greet" session with the selected coconut industry stakeholders. The main focus is the industry players of the emerging products with a high potential of expanding the list and market of Philippine coconut products and where farmers can readily participate in the manufacturing/processing or in supplying the semi-processed raw materials.


In August 2024, TMDD-TIRD facilitated the conduct of the 2024 Coconut Industry Sustainability (COINS) Awards during the closing ceremony of the 38th National Coconut Week. This is an annual event conducted during the national Coconut Week Celebration to honor and recognize the outstanding contributions of the different actors of the industry, from the coconut farmers, farmers' associations, and coconut entrepreneurs, both small, medium, and large enterprises. Coconut advocates are likewise recognized during this event.



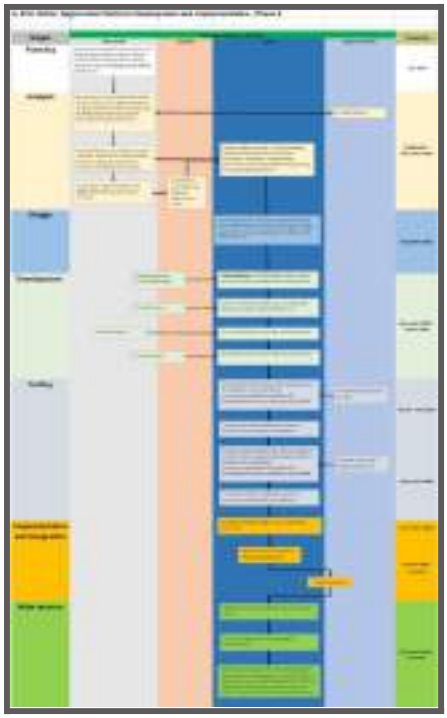
In September 2024, to respond to the risks and capture the opportunities of the proposed European Union Regulation on Mineral Oil Hydrocarbons (MOH) Limits on Food and Vegetable Oils, TMDD-TIRD in cooperation with the Dept. of Agriculture (DA) and Dept. of Trade and Industry (DTI), conducted a Regulatory Mission to Brussels, Belgium to meet with the EU Counterparts on EU regulations. PCA met with the EU Commission on Trade and the Commission on Agriculture, non-government organizations like FEDIOL and COLEAD where investment areas in the coconut industry of the country were presented to the European business entities.

TMDD-TIRD, in coordination with PCA Region XI, Facilitated the Conduct of Stakeholders' Consultation on the Philippine Coconut Industry's Readiness to Comply with EU MOSH-MOAH Limits in Food and other Relevant Regulations in November 2024.


In December 2024, TIRD and MRPD participated in the National Export Congress. This is an annual event organized by the Export Development Council of DTI, gathering all Philippine exporters and government enablers. Programs and services of the government enablers are showcased in this event. Recognition of outstanding industry players highlighted this event.


**TRADE REGULATIONS CONCERNS:**

Automation of the PCA Registration System - From June to November 2024, TMDD-TIRD, in collaboration with IMSU, developed and facilitated the operationalization of the PCA Online Registration System (currently in beta testing). This is for the PCA to comply with the thrust of the whole government to modernize (through digitalization) the government's issuance of regulatory requirements to facilitate ease of doing business as per Republic Act No. 11032 of 2018.




Capacity Building of PCA Regulatory Officers and Technical Field Personnel - In July 2024 and November 2024, TMDD-TIRD facilitated the conduct of 2 batches of Inspectors' Training on Philippine Good Agricultural Practices (PhilGAP) Certification of Coconut Farms. This is to ensure that the Philippines is compliant with global market requirements on sustainability as well as environmental and social safeguards.

Luz Brenda Balibrea, PCA Division Chief III, explained the training rationale and the legal basis of using coco coir and geonet as bioengineering solutions.

Engr. Barbosa demonstrated the procedure of twinning a coco coir.

Hans-on demonstration on coco coir twinning.

Hands-on demonstration on biolog preparation.

Hands-on demonstration on weaving the geonet.

Engr. Barbosa explained the procedure for making a geonet.

Conduct of Comprehensive Review of Regulatory Policies - In compliance with the DA Memorandum for DA Regulatory Agencies to conduct a comprehensive review of regulatory policies, TIRD spearheaded the review of trade-related regulatory policies and endorsed to the PCA Management the analyzed policies for inclusion in the Agency Annual Regulatory Plan.

MEMORANDUM

RECEIVED

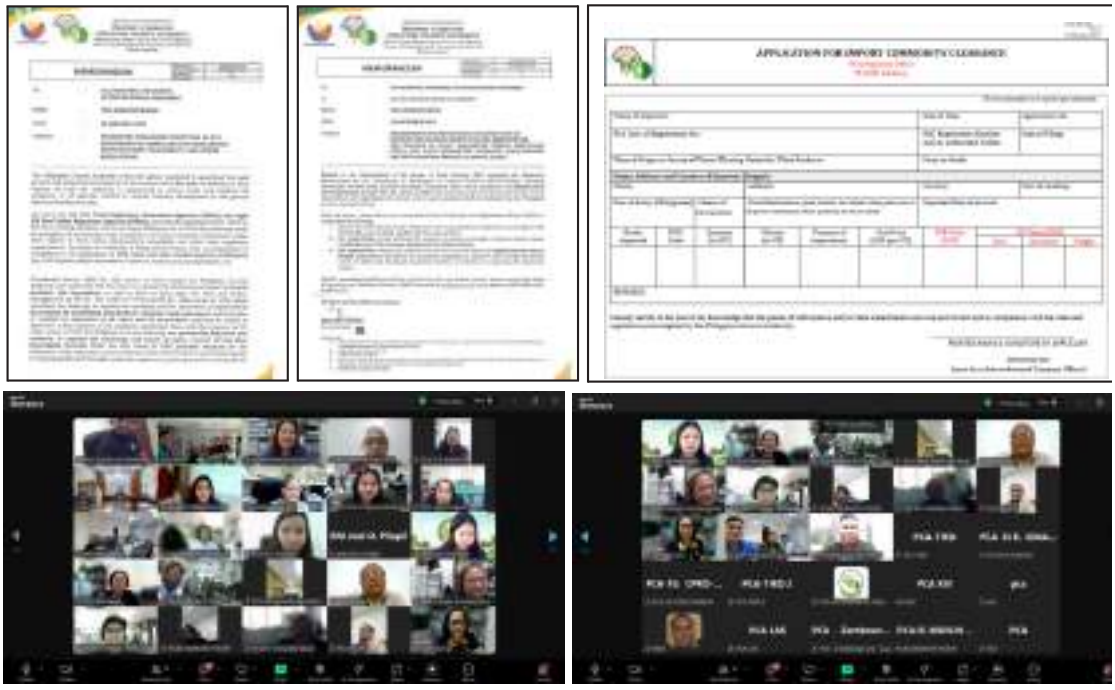
Template for the Review of Existing Regulations

Template for the Review of Existing Regulations

Compliance to GACC Regulatory requirement - TIRD facilitated a series of coordination and meetings with BPI on the compliance to the requirements of the General Administration of the Customs of China (GACC) on the Registration with GACC of Philippine Copra Meal Exporters to China.

Recognition of PCA PhilGAP Inspectors - TIRD facilitated the endorsement and recognition of the trained PCA personnel on PhilGAP Certification as PhilGAP Farm Inspectors. This is in preparation for the full transfer of the GAP Certification of coconut farms from BPI to PCA and the official creation and mobilization of the PCA Inspectorate.

Harmonization of regulatory requirements and procedures - TMDD-TIRD facilitated a series of coordination and meetings with BPI on harmonization of regulatory requirements and procedures, e.g., BPI's License to Operate (LTO) and PCA Registration to Importers and Exporters of Coconut and Coconut Products and mandatory issuance of import/export commodity clearance for the exportation/ importation of coconut and palm oil products and by-products.



# Market Research and Promotions Division


The Market Research and Promotions Division (MRPD) under the Trade and Market Development Department (TMDD) is in charge of product standards development, market promotions, and market research. The Division plans and directs activities to open and expand the market of coconut products, ensuring coconut farmers' participation.

In 2024, MRPD facilitated the conduct and participation of the Philippine Coconut Authority (PCA) in 18 promotional activities, both domestic and international, and distributed a total of 2,434 printed IEC materials, with manuals available online. A total of 36 coconut companies were assisted, and 42 coconut products were promoted. Around 2,224 individuals were reached through PCA-organized events, while approximately 638,450 users were reached online through social media.

**A. Domestic Promotional Activities**

IEC materials were distributed, and various coconut products were promoted at several promotional events. It is estimated that the events organized by the Division reached 1,473 individuals through on-site visits, and a total of 751 were assisted via PCA information desks set up at domestic trade fairs and exhibits.

The Health and Wellness ConFex, on January 26-28, featured companies Cattleya&Rose Gourmet Foods and PatchMed Cosmetics Trading (CocoPatch) and coconut-based products for health and wellness.

The Filipino Food Month Mini Trade Fair on April 8 and 11-12 with AG Pacific Nutriceuticals and Ang Sarap! The Philippine Food Festival on April 26-28, with Greenlife Coconut Products Philippines Inc., Philippine Craft Distillers Inc., Fruits of Life, Inc., and Cocoplus Aquarian Development Corporation showcased virgin coconut oil (VCO), coconut flour, coconut sugar, coconut wine, and more.

The Independence Day Fair, on June 10-11, featured fresh young coconuts, coconut-based health products, coconut liqueur, VCO, and coconut-based soap from enterprises Eng Seng Food Products, Lime Tree Farm Solutions, Fruits of Life, Inc., and Cocoplus Aquarian Development Corporation.

**NIYOGosyo sa Kadiwa Opening Ceremony**

The NIYOGosyo sa KADIWA, held from June 25 to 27 in celebration of the Authority's 51st Anniversary, featured 14 exhibitors showcasing products ranging from coconut cooking oil and sugar to coconut-infused coffee. The event welcomed not only PCA employees but also representatives from nearby agencies, including the Department of Agriculture, Department of Agrarian Reform, Philippine Information Agency, and the Commission on Audit. Additionally, MRPD held a product giveaway with support from Nestle Philippines, Inc. and Perla Philippines.

*NIYOGosyo sa Kadiwa Opening Ceremony*

The 71st Farm Youth National Convention on June 19-21 was supported with the help of PCA Region XIII through the provision of coconut ingredients for the contenders of their Coconut-Based Cooking Contest.

The NKTI - Health and Nutri-Food Fair on July 1 promoted fresh young coconuts, virgin coconut oil (VCO), coconut sugar, coconut jam, VCO soap, and massage oil in collaboration with Eng Seng Food Products and Amazing Foods Corp.

The DTI Bagong Pilipinas National Food Fair, held from July 3 to 7, also showcased lambanog, coconut wine, and MCT oil, along with other coconut products.

The DTI Bagong Pilipinas National Trade Fair, held from August 21 to 25, provided an avenue for coconut non-food products, including liquid hand soap, laundry soap, fabric conditioner, coir pots, and handicrafts, as they were promoted through the display of products in the Coconut Industry Pavilion.

**The 38th National Coconut Week had three major activities: a symposium, creative contests, and a culinary show.**


The Coconut Culinary (Cocolinary) Show on August 27, during the Opening Ceremony, further promoted coconut food products, which were showcased as ingredients and were also sold at the National Coconut Week - Mini Coconut Bazaar. Ingredients such as coconut cooking oil, coconut vinegar, coconut aminos, and coconut sugar were among the ingredients used in the cooking show.


*Announcement of the Coconut Video Advertisement Contest on Social Media*


*Announcement of the Coconut Jingle-Making Contest Winners on Social Media*

The Coconut Creative Contests featured two categories: the Video Advertisement Contest and the Jingle-Making Contest, both of which were launched on social media and attracted 29 and 82 entries, respectively.

The **Symposium on the Benefits of Coconut Products**, held on August 29-30 in partnership with the DTI-BMDPOTOP, had 283 participants from various sectors, including farmers, processors, medical associations, professional organizations, and other government agencies.

*Symposium on the Benefits of Coconut Products*

*Coconut products and IEC materials displayed during the Symposium on the Benefits of Coconut Products*

During the two-day event, an exhibit showcasing coconut food and non-food products alongside IEC materials for distribution, was also set up.

The **OBRA Mimaropa 2024's Baking Demonstration** on October 25 was facilitated by providing the ingredients. Coconut products promoted were coconut oil, coconut sugar, and coconut jam

**DTI Bagong Pilipinas National Arts and Crafts Fair** on October 23-27 was also participated, where inquiries were attended and coconut IEC materials were distributed.

The 1st Kadiwa ng Pangulo Expo on November 26-28 was participated with Goldensun Coconut Farmers Producer, a farmers cooperative from Region VI, and their fresh young coconuts for sale. IEC materials were also distributed while queries were answered.

The Coconut Philippines Trade Fair, held from December 2-4, was launched by the DTI-BMDPO in collaboration with the PCA. This event was part of the Marketing, Research, and Promotions sub-activity of the CFIDP. More than 90 exhibitors from Luzon, Visayas, and Mindanao came together to showcase and sell their coconut products, including coconut oil, coconut margarine, coconut condiments, VCO, coconut-based soaps, handicrafts, and more.

The National Exporter's Congress on December 05 was also participated by the Division to answer inquiries and disseminate IEC materials.

*OBRA Mimaropa 2024's Baking Demonstration with Chefmom Rosebud Benitez*


**B. International Trade Fairs**

To maintain the international presence of coconuts in the market, international trade fairs were also facilitated for the Authority's participation, which resulted in linking a total of 97 enterprises with 65 potential buyers.

The Salon International de l'Alimentation (SIAL) Paris, held from October 19-23 had dried coconuts, coconut vinegar, coconut butter, coconut puree, and coconut sap, among others, for promotion.

A total of 21 potential buyers visited the PCA information desk and were endorsed to 97 enterprises.

The Authority attended meetings with the Government of India's Coconut Development Board of the Ministry of Agriculture and Farmers Welfare and also met Ms. Ingrid Morvan of Agrinfo COLEAD. Additionally, they made a courtesy call to Ambassador Junever M. Mahilum-West, the Philippine Ambassador to France.

*The PCA Information Booth at the Coconut Philippines Pavilion in SIAL Paris 2024*

*(left to right) Administrator Buted, Ambassador Morvan, DA Rosales and Ms. Matchoc during the courtesy call with the Philippine Ambassador to France*

Food Ingredients Germany featured dried coconuts, coconut strips and chips, coconut syrup, coconut butter, and coconut puree, among others on November 16-23, on the other hand, The PCA information desk welcomed a total of 44 potential buyers who were all linked to 55 enterprises.


*The Coconut Philippines Pavilion in Food Ingredients Germany 2024*

**C. Product Standards Development**

MRPD assisted the Bureau of Agriculture and Fisheries Standards in the conduct of public consultations for the development of two (2) Philippine National Standards (PNS): Young Coconut — Product Standard — Grading and Classification and Young Coconut — Code of Practice (COP) — Code of Hygienic Practices (COHP). PCA also endorsed the final draft PNS for Coconet — Classification and Specification for promulgation.

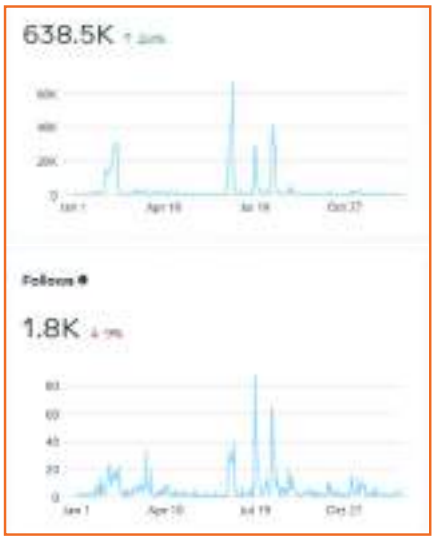
*Coconet Public Consultation*

**C.Social Media Promotions**

MRPD utilizes social media platforms, such as Facebook and Instagram, to maintain an online presence and disseminate information and promotional materials about the benefits and uses of coconut products. It also invites the public to participate in events such as trade fairs and seminars/webinars.

A total of 32 IEC materials were developed and published on its social media pages.

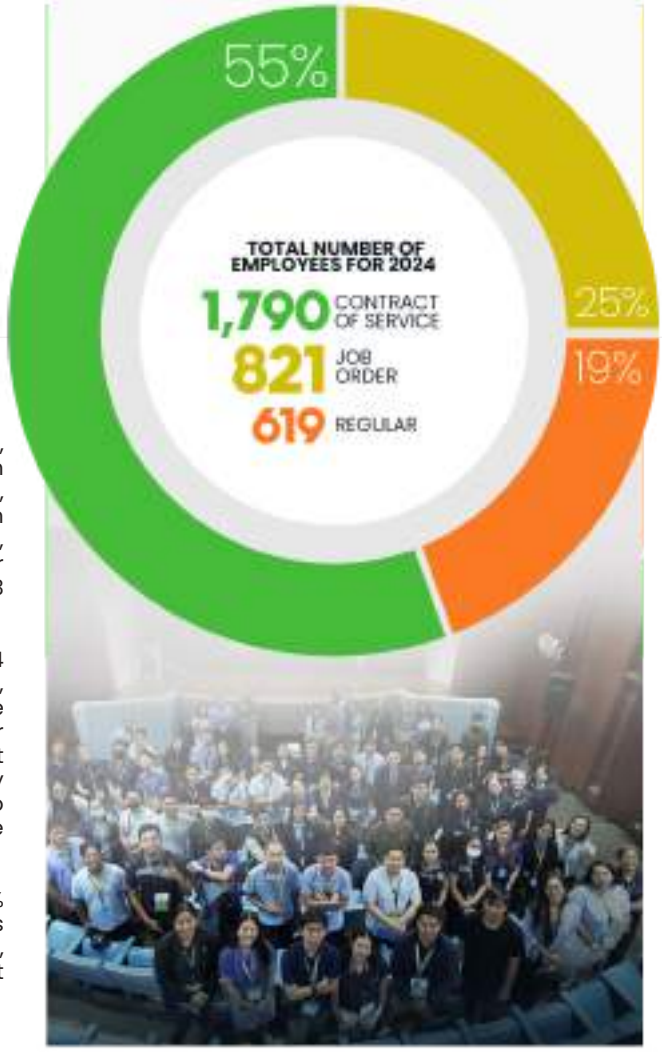
The Coconut Philippines Facebook page was estimated to have reached 638,450 users through its content, tagged posts, and profile visits.


MINDANAO

# ADMINISTRATION AND FINANCE

# Workforce Highlights




**PCA Manpower**

By end of 2024, the Authority has sustained, delivered and functioned with the strength of 3,230 employees from the Central Office, Regions, and Research Centers. Through an aggressive and productive recruitment process, a significant increase has been achieved for 2024 compared to the manpower count in 2023 which is at 2,689 employees.

The total number of employees for 2024 is distributed into three categories, namely, Regular employees (619), Contract of Service (COS) employees (1,790), and Job Order employees (821). The data also translates that with limited plantilla positions, the Authority relies on the hiring of COS employees to complement the staffing requirements of the Offices within PCA.

Nevertheless, the Authority reported a 98.3% progress rate for filling-up of vacant positions with 179 validated and issued appointments, fulfilling its commitment of building a robust and capable workforce.

**Employee Competency**

One of the mandatory commitments among GOCCs in the GCG Performance Scorecard is the Strategic Measure on the Percentage of Employees Meeting Required Competencies wherein the annual target should be an improvement from the baseline. The measure aims to ensure the sustained development of the competencies of PCA employees and to be of assistance to address competency gaps and needs. Further, the measure determines the levels of employees' competence and its corresponding HR intervention.

As of December 2024, out of 595 employees who have accomplished the Employee Competency Assessment, 518 employees were found to have met the respective required competencies. Pending the validation from GCG, PCA has an initial report of 87.06% accomplishment in the said Strategic Measure which is a slight increase from last year at 85.03%. The said achievement is attributed to the conduct of Training Needs Assessment (TNA), conduct of seminar-trainings, collaboration/partnership with other institutions on the delivery of seminar-trainings, and participation in external seminar-trainings.

**Trainings/Capacity Building Activities**

As part of the Authority's continuous drive for Learning and Development, the Authority has been involved in organizing and participating in relevant training activities through engaging in a total of 54 training activities for 2024. These training activities were either conducted in-house by the PCA or participated in by sending PCA employees to capacity building activities organized by external institutions. The range of topics for these capacity building activities are tailored to address the training needs for various roles and functions in the organization, capturing administrative and technical skills enhancement, personality development, and mental health and wellness. Some of the activities are elaborated as follows:

**Orientation on Quality Workplace Standards**

To create a safer, healthy and productive work environment, a proposed orientation on Quality Workplace Standards (QWS) will be conducted on 22 October 2024, Tuesday, 9:00 am to 12:00 pm (Batch 1) and 1:00 pm to 4:00 pm (Batch 2) at the PCA Auditorium. Quality Workplace Standards (QWS) as a standard approach, developed collaboratively by management and employees, provide guidelines for maintaining a positive and efficient workspace. Ms. Charlaine P. Lopez, Acting Division Chief III of Human Resource Division and Head of the Quality Assurance Office, will be leading the orientation as internal resource person.

**Mental Health and Well-Being**

In order to assist All PCA employees from Central Office, Research Centers and Regional Offices, a training on Prioritizing Mental Health in the Workplace for a Better Well-Being was conducted on 29 October 2024 from 8:00 AM to 12:00 PM (1st batch) and 1:00 PM to 5:00 PM (2nd batch) at PCA Auditorium. The training course is intended to focus on the significance of a safe and healthy work environment. Participants will learn to recognize behaviors and mental health patterns in the workplace, as well as the actions that can be taken to enhance mental health awareness and provide support for well-being. Mr. Archie B. Sunga, a National Lecturer for Psychometrician and Psychologist and a Head Course Audit Program at RGO Psychology Review Center, will be leading the training as an external resource person.

**Project Management Training-Workshop**

In order to assist Technical Staff and field personnel, a training-workshop on Project Management was conducted on 5-7 November 2024 from 8:00 AM to 5:00 PM at PCA Agro-Hub Building. The training course covers the fundamental concepts and applied techniques for cost effective management of both long-term development programs and short-term projects. This deals with planning, scheduling, organizing and controlling projects as well as the practice of project monitoring and evaluation principles in assessing PCA initiatives. Dr. Romeo B. Santos, who specializes in RB M&E and Results-Based Strategic Planning Policy Analysis, Project Management and Economics, Communication and Writing led the training-workshop as an external resource person.


# Gender and Development

**Gender and Development Seminar Workshop**

In order to be more conscious of gender equality and encourage camaraderie and unity among PCA officers and employees, PCA personnel are authorized to participate in the Gender and Development Seminar Workshop held last February 22-23, 2024 at Morong, Bataan.

**2024 Women's Month Celebration**

The 2024 National Women's Month Celebration with the sub-theme "Lipunang Patas sa Bagong Pilipinas; Kakayahan ng Kababaihan, patutunayan!" calls for a Bagong Pilipinas where women are given equitable opportunities and not hindered by gender biases and discriminatory stereotypes. "Kakayahan ng Kababaihan, patutunayan!," aimed to showcase and harness the full potentials of women and girls in actively engaging in and reaping the benefits of national growth and development (PCW, 2024). In celebration of 2024 Women's Month, all PCA Central Office employees wore purple shirts and a streamer with the 2024 NWMC was displayed at the PCA main gate for the whole month of March. Other planned activities related to the National Women's Month Celebration such as: a). Free Skincare Class and Basic Make-up Tutorial, b). Free Massage and; c). Seminar on Cancer Awareness and Prevention held at PCA AgroHub Building and PCA Auditorium.

**Other PCA Activities for Employees**

**Employees' Pampering (Health and Wellness)**

The Employees' Pampering (Health and Wellness) was part of the weeklong celebration in commemoration to 51st anniversary of the Philippine Coconut Authority and on June 30, 2024 it is in collaboration with GAD-GFPS and PCA Employees Credit Cooperative (PCAECC), at the PCA AgroHub Building.

**Paskuhan sa Bayaniyugan**

On December 5, 2024, the Paskuhan sa Bayaniyugan event launched the Christmas Tree Lighting Ceremony to serve as a celebration of unity, gratitude and the spirit of the Christmas season drawing together the PCA employees as on family.

**2024 PCA Year-End Employee Appreciation & Accomplishment**

On December 17, 2024, the event served as a thanksgiving and recognition for the hard work and resilience that has been demonstrated by the Authority and its employees for the year 2024. The PCA 2024 accomplishments and future plans were presented by the Administrator and Deputy Administrators which proved further testament to fulfillment of the Authority's mandate and commitments. Finally, the Retirees for the year 2024 were recognized to honor their heartfelt service and dedication.

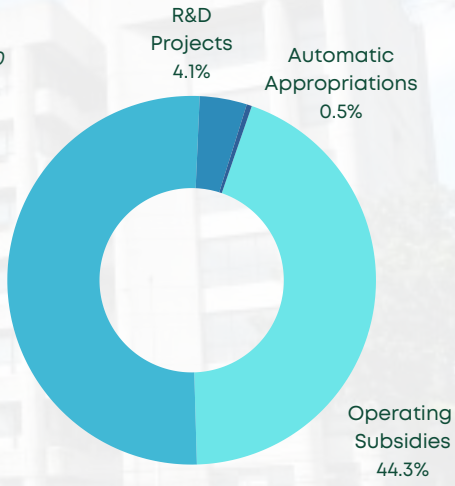


# Financial Highlights

PCA's APPROVED
## 2024 GAA

*In 2024, PCA's approved Budget amounts to PhP 1,181,767,000*

**PhP 1.181 B**




## Summary of Financial Accomplishments

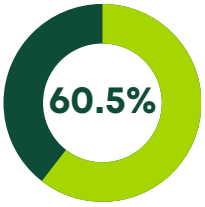
GAA

| Programs/ Activities/ Projects (PAPs) | FY 2024 GAA | Obligations | Disbursements | Oblig Rate | Util Rate |
|---|---|---|---|---|---|
| **Locally-Funded Projects** | **604,160** | **535,665** | **398,105** | **89%** | **66%** |
| Planting/Replanting of Local Cultivars | 306,827 | 268,168 | 201,299 | 87% | 66% |
| Coconut Fertilization Project | 153,333 | 135,086 | 114,671 | 88% | 75% |
| Coconut Village Development Project | 65,000 | 62,313 | 18,880 | 96% | 29% |
| Smallholders Oil Palm Plantation Development Project | 79,000 | 70,098 | 63,255 | 89% | 80% |
| **Operating Subsidies** | **571,557** | **481,099** | **430,872** | **84%** | **75%** |
| General Administration and Support Services | 293,526 | 242,750 | 215,745 | 83% | 74% |
| Farm Production and Extension | 229,137 | 199,665 | 187,883 | 87% | 82% |
| Coconut Research and Development Projects | 48,894 | 38,684 | 27,244 | 79% | 56% |
| **Automatic Appropriations** | **5,400** | **5,074** | **4,382** | **94%** | **81%** |
| Trade & Market Development | 5,400 | 5,074 | 4,382 | 94% | 81% |
| **Grand Total (PhP)** | **1,181,117** | **1,021,838** | **833,358** | **87%** | **71%** |

As of December 31, 2024

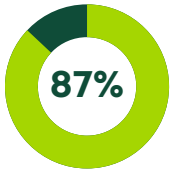
GAA

## 2024 Sustainable Planting & Replanting of Local Cultivars




**Seedlings Planted**

| | |
|---|---|
| **Target:** | 2,455,310 |
| **Actual:** | 1,485,639 |
| **Area covered:** | 9,609 has. |
| **Beneficiaries:** | 9,816 |




**Obligation Rate**

| | |
|---|---|
| **Budget:** | 306,827 |
| **Oblig:** | 266,581 |

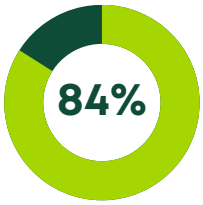
**19 Seedfarms**
**Maintained** covering 254 Hectares

**Status:** Remaining funds are carried-over for continuation in FY 2025

FY 2024 Physical & Financial Accomplishments

GAA

## Coconut Fertilization 2024 Project




**Palms Fertilized**

| | |
|---|---|
| **Target:** | 2,851,125 |
| **Actual:** | 2,383,104 |
| **Area covered:** | 23,831 |
| **Beneficiaries:** | 25,353 |


**Obligation Rate**

| | |
|---|---|
| **Budget:** | 153,333 |
| **Oblig:** | 135,086 |

**Status:**
- Ongoing delivery, distribution and application of AGSF in some regions.
- 98% of the Fertilizers (Bags) already delivered

FY 2024 Physical & Financial Accomplishments

GAA

## Coconut Village Development Project

**Coconut-Carabao Development Project**

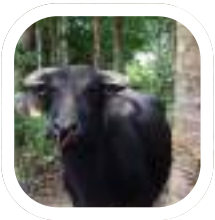

**Heads Distributed**

| | |
|---|---|
| **Target:** | 250 |
| **Actual:** | 234 |
| **Sites Established:** | 5 |
| **Beneficiaries:** | 134 |


**Obligation Rate**

| | |
|---|---|
| **Budget:** | 65,000 |
| **Oblig:** | 62,313 |

**Status:**
- Remaining animals to be delivered by 1st Quarter of 2025
- Construction of Dairy Box is subject to assessment of PCC



FY 2024 Physical & Financial Accomplishments

GAA

# Smallholders Oil Palm Plantation Development Project


**Oil Palm Planted**

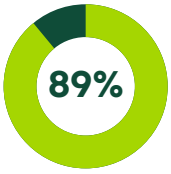
| | |
|---|---|
| Target: | 109,158 |
| Actual: | 109,158 |
| Area Covered: | 921 Has. |
| Beneficiaries: | 130 |

**Oil Palm Fertilized**

| | |
|---|---|
| Target: | 18,816 |
| Actual: | 18,816 |
| Area Covered: | 1,383 |
| Beneficiaries: | 1,275 |

**Obligation Rate**

| | |
|---|---|
| Budget: | 79,000 |
| Oblig: | 70,098 |




FY 2024 Physical & Financial Accomplishments

GAA

# Coconut Research & Development Program

**Milestones:**

- Developed 2 products utilizing VCO as raw material with determined quality and acceptability
- Developed 4 protocols for Fresh Young Coconut
- Facilitated 100% recovery of infested palms in Sorsogon
- Released 870 Kgs of GMF to Coconut Rhinoceros Beetle-infested coconut farms
- 8,150 Biocontrol agents released
- Conducted CSI Quick Response Protocols
- Trained 25 agriculturists and 89 farmers in the nature and management of Coconut Rhino-Beetle, etc.


**Obligation Rate**

| | |
|---|---|
| Budget: | 48,894 |
| Oblig: | 38,684 |

FY 2024 Physical & Financial Accomplishments

GAA

# Trade & Market Development

**Key Accomplishments:**

- Engaged in 18 trade fairs/exhibits
- Assisted 36 CFOs/CFCs/MSMEs/Large Companies
- Promoted 42 coconut products
- Reviewed 7 Product Standards
- Secured 6 investments
- Conducted 2 Batches of GAP Training
- Facilitated/engaged industry dialogues and stakeholder meetings


**Obligation Rate**

| | |
|---|---|
| Budget: | 5,400 |
| Oblig: | 5,073 |

FY 2024 Physical & Financial Accomplishments

# RESEARCH & DEVELOPMENT

# RESEARCH & DEVELOPMENT

The Research and Development Branch (RDB) is the research arm of the Philippine Coconut Authority, committed to develop innovative technologies responsive to the needs of the stakeholders towards globally competitive coconut industry. The RDB is composed of the three (3) research centers and one (1) service laboratory namely: Albay Research Center (ARC), Davao Research Center (DRC), Zamboanga Research Center (ZRC) and Laboratory Services Division (LSD) implementing programs/projects/ activities in the field of Varietal Improvement, Biotechnology, Crop Agronomy, Nutrition and Farming Systems, Integrated Crop Protection Food Product Development and Non-Food Product Development. LSD, an ISO/IEC 17025:2017 Accredited laboratory provides reliable and high quality laboratory testing services on nutrient/elemental analysis, heavy metals/toxic non-metals analysis, chemical analysis, microbiological analysis and aflatoxin and PAH.

**IMPLEMENTATION OF RESEARCH PROJECTS**

For CY 2024, RDB implemented a total of 46 projects/studies/activities funded under the GAA-CRDP 2024, CRDP Reprogrammed Funds from prior years, DOST-PCAARRD CFIDP-CHP Research Component and DOST agencies (PCAARRD-GIA Funds, PCIEERD, TAPI and Virology and Vaccine Institute of the Philippines). CRDP funds for 2024 are mainly for support to hybridization and upgrading of facilities and procurement of equipment in the research centers and LSD.

**ATTACHMENT**

| RESEARCH PROJECTS AND ACTIVITIES | DURATION | IMPLEMENTING UNIT | FUND SOURCE |
|---|---|---|---|
| **VARIETAL IMPROVEMENT** | | | |
| (Hybridization Support) Sustainability of the Coconut Somatic Embryogenesis Tissue Culture Protocols for Mass Propagation and Multi-Locational Testing of PCA Recommended Plumule-Derived Varieties in Selected Province | 2024 | ZRC-PGRCUD | 2024 GAA |
| Construction of Molecular Genetics Laboratory in Support to Coconut Hybridization | 2024 | ZRC-PGRCUD | 2024 GAA |
| Establishment And Evaluation Of Adaptable Planting System And Product-Based Farming In Calamity Prone Coconut Regions in Support to Coconut Hybridization | 2021-2024 | ZRC-PGRCUD | 2024 GAA |

| | | | |
|---|---|---|---|
| Genetic Resources Conservation of Important Foreign Accessions In The National Coconut Genebank in Support to Coconut Hybridization | 2021-2024 | ZRC-PGRCUD | 2024 GAA |
| Production of Improved Breeding Populations for High Value Industrial and Nutritional Coconut Product in Support to Coconut Hybridization | 2021-2024 | ZRC-PGRCUD | 2024 GAA |
| Regeneration of Coconut Accessions in the PCA's Genebank in Zamboanga ( Talls and Dwarfs ) in Support to Coconut Hybridization | 2019-2024 | ZRC-PGRCUD | 2024 GAA |
| Collection and Evaluation of Promising Coconut Cultivars in Targeted Areas for Conservation, Utilization and Hybridization | 2023-2028 | ZRC-PGRCUD | CFITF-CHP Research Component (PCAARRD) |
| Performance Evaluation of the Newly-Developed Single Cross Hybrids Using Selected Varieties with Special Traits | 2023-2028 | ZRC-PGRCUD | CFITF-CHP Research Component (PCAARRD) |
| Evaluation of Coconut Accessions at PCA-ZRC for Heat and Drought Tolerance Towards Hybridization | 2023-2027 | ZRC-PGRCUD | CFITF-CHP Research Component (PCAARRD) |
| Profiling of Coconut Hybrids and Outstanding Local and Foreign Coconut Varieties for Commercially and Industrially Important Physicochemical Properties Towards a Market-responsive Coconut Industry | 2023-2026 | ZRC-PGRCUD | CFITF-CHP Research Component (PCAARRD) |
| Development of Multi-parent Coconut Populations using Outstanding Dwarf and Composite Varieties for Increased Yield and Tolerance for Biotic and Abiotic Stresses | 2023-2028 | ZRC-PGRCUD | CFITF-CHP Research Component (PCAARRD) |
| **BIOTECHNOLOGY** | | | |
| Biotechnology Approaches in Support to Hybridization | 2024 | ARC-Biotech Division | 2024 GAA |
| Upgrading of BIOTECH Facilities | | | 2024 GAA |
| Mass Production of Embryo-cultured Makapuno seedlings and establishment of demo farms in strategic locations | 2024 | ARC-Biotech Division | Reprogrammed Funds |
| Optimization of Coconut Somatic Embryogenesis Protocols Using Somatic Tissues of Coconut (for completion in Dec 2024) | 2021-2024 | ARC-Biotech Division | Reprogrammed Funds |

| | | | |
|---|---|---|---|
| Application of Molecular Techniques for the detection of coconut diseases and characterization of biological control agents of major insect pests of coconut (for completion Dec. 2024) | 2021-2024 | ARC-Biotech Division | Reprogrammed Funds |
| Cadang-cadang Disease containment Program | 2023-2026 | ARC-Biotech Division | Reprogrammed Funds |
| Investigating the Genetic Fidelity in CSET - derived Cultures of Coconut (*Cocos nucifera* L.) | 2023-2025 | ARC-Biotech Division | Reprogrammed Funds |
| Safeguarding Endemic Bicol Coconut Genetic Resources for Improved Utilization as Source of planting materials and Parentals in Hybridization | 2024-2027 | ARC-Biotech Division | CFITF-CHP Research Component (PCAARRD) |
| 6. Development of Mitigating strategies for the Coconut Cadang-cadang Threat" | | | |
| (1) P2: Transcriptomic Analysis of Healthy and Cadang-cadang-infected Coconut Palm | 2023-2026 | ARC-Biotech Division | DOST-VIP |
| (2) P3: Application of Anti-sense Technology for the Coconut Cadang-cadang Disease: A Proof of concept Study | 2023-2025 | ARC-Biotech Division | DOST-VIP |
| **INTEGRATED CROP MANAGEMENT** | | | |
| Integrated Crop Management in support to Coconut Hybridization Project | 2024 | DRC-ASFSD | 2024 GAA |
| Nutrient and Water Management of Coconut and Intercrops in Luzon, Visayas and Mindanao | 2021-2024 | DRC-ASFSD | 2024 GAA |
| Soil and Leaf Nutrient Profiling of Coconut Hybrids in PCA Demonstration Farms | 2 years | DRC-ASFSD/LSD | CFITF-CHP Research Component (PCAARRD) |
| Integrated Crop Protection Management in support to coconut hybridization | 2024 | DRC-ICPD | 2024 GAA |
| Development of GIS Pest and Disease Forecasting and Management Strategies | 2021-2023 | DRC-ICPD | 2023 Reprogrammed Funds |
| Integration of Entomopathogens in the Biological Control System of Coconut | 2022-2023 | DRC-ICPD | 2023 Reprogrammed Funds |
| Understanding the Mechanism of Biocide Movement in Coconut | 2022-2023 | DRC-ICPD | 2023 Reprogrammed Funds |
| Surveillance and Detection of Rhinoceros Beetle Genotypes and their Natural Enemiesin Hybrids and Local Coconut Variety Plantations | 2023-2026 | DRC-ICPD/ARC-BD | CFITF-CHP Research Component (PCAARRD) |

| | | | |
|---|---|---|---|
| Pest Management Strategies for Coconut Rhinoceros Beetle in Typhoon Odette Affected Areas | Sept 2022 - March 15 2024 | DRC-ICPD, ARC-BD, Region XIII | DOST-PCAARRD |
| Developing the IP-TBM in Department of Agriculture's Philippine Coconut Authority (PCA-DRC) RAISE | December 2021- 1st Semester 2024) | DRC-ICPD | DOST-PCAARRD |
| **FOOD PRODUCT DEVELOPMENT** | | | |
| Food Product Development in Support to Coconut Hybridization | 2024 | ARC-FPDD | 2024 GAA |
| Upgrading of FPDD Facilities | 2024 | ARC-FPDD | 2024 GAA |
| Development of Strategies to Produce High-Value Food Products by Utilizing VCO and its By-products | 2021-2024 | ARC-FPDD | Reprogrammed Funds |
| Development of Harvest and Post-Harvest Management Protocol on Fresh Young Coconut for Farmer-Responsive Commercialization" | 2022-2024 | ARC-FPDD | Reprogrammed Funds |
| Bioactive Characterization of Virgin Coconut Oil (VCO) and its By-products from Coconut Hybrids and Parentals | 2 years | ARC-FPDD | CFITF-CHP Research Component (PCAARRD) |
| PCA Recommended Hybrids and Parentals for Fresh Young Coconut (FYC) Production: Screening and Protocol Optimization for Various Utilizations | 3 years | ARC-FPDD | CFITF-CHP Research Component (PCAARRD) |
| Utilization of Pinoy Coco Sorbetes as Base Formulation for Commercial Ice Cream Products of the Bicol Region | 1 year (March 2023-March 2024) | ARC-FPDD | DOST-TAPI |
| Development of Fermented Food Products from Mature Coconut Water and Coconut Skim Milk By-products from Virgin Coconut Oil (VCO) Processing Technology | Two (2) Years | ARC-FPDD | DOST for Change Program (DOST-S4CP)-Collaborative R&D to Leverage the Philippine Economy (CRADLE) Program |
| **NON-FOOD PRODUCT DEVELOPMENT** | | | |
| (Hybridization Support) Improved Productivity on Production of Hybrid Coconut Planting Materials by Mechanization | 2024 | ZRC-NFPDD | 2024 GAA |

| | | | |
|---|---|---|---|
| Design and Development of Village-level Post-harvest and Processing Machineries for Coconut | 2022-2024 | ZRC-NFPDD | Reprogrammed Funds |
| Characterization of the sugar contents of coconut water of different coconut cultivars in different stages of maturity. | 2020-2024 | ZRC-NFPDD | Reprogrammed Funds |
| Development of spray-dried coconut sugar protocol | 2023-2025 | ZRC-NFPDD | Reprogrammed Funds |
| Production and Utilization of Coconut Methyl Ester (CME) Using Upgraded Village-Level Oil Mill at PCA-Zamboanga Research Center | 2023-2025 | ZRC-NFPDD | Reprogrammed Funds |
| Utilization Of Palm Biomass (Coconut & Oil Palm) For Ethanol And Other Chemicals | 2019-2024 | ZRC-NFPDD | Reprogrammed Funds |

**A. Status CY 2024 of upgrading projects**

| CENTER | FACILITIES UPGRADED/REPAIRED | STATUS |
|---|---|---|
| Albay Research Center | FPDD Food Laboratory, Molecular Biology Lab, Screen house | On-going |
| Davao Research Center | Vermicomposting Facility, 3 Housing Units, Perimeter Fence | Completed |
| Zamboanga Research Center | Molecular Biology Laboratory | On-going |
| Laboratory Services Division | Nitrogen Analyzer | Completed |

**PERFORMANCE EVALUATION SCORECARD (PES) COMPLIANCE**

RDB's Commitment to the PCA Performance Scorecard for 2024 is on Strategic Measure 8 (SM8): No. of Completed Research Projects Translated into Policies. A total of 16 completed studies from prior years were translated to policy in the form of Information Bulletin, Brochure and submitted to Management for approval as follows:

| No. | Form of Policy | Title of Project | Implementing Unit | Source of Funds |
|---|---|---|---|---|
| **Enhanced Coconut Suitability Maps** | | | | |
| 1 | Enhanced Coconut Suitability Maps | Enhancement of the Field Assessment Protocols and Suitability Maps for Coconut | Research and Development Branch **(PCA-RDB)** | DOST-PCAARRD |
| **Policy Brief** | | | | |
| 2 | A Policy Brief on Coconut Pests - Grab the Grubs: Save the Coconut | National Farmer Participatory Integrated Pest Management in Coconut-Based Farming Systems | DRC - Integrated Crop Protection Division **(DRC-ICPD)** | CRDP |
| **Manual (2)** | | | | |
| 3. | Manual on Coconut Charcoal Briquetting | Development of Coconut Biomass Charcoal and Briquette as Alternative Cooking Fuel | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | PCA |
| 4. | Cement-Bonded Coir Boards - Technology and Construction Materials | Product Development from Coconut Fiber Biomass for Building, Packaging Materials, Furniture, Handicrafts and Other Products | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | CRDP |

| | | | | |
|---|---|---|---|---|
| **Brochure (4)** | | | | |
| **5.** | Low Emission Charcoal Kiln | Development of a Low-Emission Charcoal Kiln for Climate Change Minimization and Coconut Biomass Carbon Sequestration | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | DOST-Regional Office IX |
| **6.** | Coir Hollow Blocks | Development of Coir Hollow Blocks as Disaster Resilient Building Construction Material | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | PCA |
| **7.** | Mechanized Two-Ply Coir Twining Machine | Development of Mechanized Two-Ply Coir Twining Machine | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | PCA |
| **8.** | Tannin for Cocopeat by Low Cost Extraction | Extraction and Product Development from Coconut Tannin | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | CRDP |
| **Process/Protocol/ Procedure (2)** | | | | |
| **9.** | Production of Coconut Ethyl Alcohol, Hand Sanitizer for Use as Disinfectant Against COVID 19 | Agribusiness-Seizing Coconut Ethyl Alcohol for the Production of Hand Sanitizers for Use as Disinfectant Against COVID-19 | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | DOST-PCAARRD |
| **10.** | Sustainable Mushroom Cultivation From Coconut-Based Culture Media | Development of Novel Coconut-based Culture Medium and Substrates for a Sustainable Mushroom and Fungi-based Bio-controls and Fertilizers | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | CRDP |
| **Information Bulletin (6)** | | | | |
| **11.** | Ready to Drink Coconut Skim Milk Beverage | Optimization of Product Formulation and Processing Protocol for Ready-to-Drink Low-fat Coconut Skim Milk Beverage | ARC- Food Product Development Division **(ARC-FPDD)** | 2021 CRDP |
| **12.** | Integrated Processing of Coconut Cheese, High-fiber Sweet Crunchy Snacks and Flavored Coconut Beverages at Farm Level | Integrated Processing of Coconut Cheese, High-fiber Sweet Crunchy Snacks and Flavored Coconut Beverages at Farm Level | ARC- - Food Product Development Division **(ARC-FPDD)** | Functional and Nutritional Coconut Product Development |
| **13.** | VCO Production Using Fresh Wet Natural Fermentation Method | Standardization and Piloting of Production Methods for Virgin Coconut Oil (VCO) at FPDD Pilot Plant | ARC- - Food Product Development Division **(ARC-FPDD)** | PCA |
| **14.** | Trimmed Fresh Young Coconut | Development of Harvest and Postharvest Management Protocol on Fresh Young Coconut (FYC) for Farmer-Responsive Commercialization | ARC- - Food Product Development Division **(ARC-FPDD)** | CRDP |
| **15.** | Solar Powered Dryer for White Copra | Design and Development of Solar-Powered Dryer for White Copra | ZRC - Non-Food Product Development Division **(ZRC-NFPDD)** | DOST-PCAARRD |
| **16.** | Utilization of Coconut Genetic Resources for High Value and Emerging Products (Coconut Sap Sugar and Virgin Coconut Oil) | Utilization of Coconut Genetic Resources for High Value and Emerging Products | ZRC - Plant Genetic Resources Conservation and Utilization Division **(ZRC-PGRCUD)** | DOST-PCAARRD and PCA |

## COCONUT HYBRIDIZATION PROJECT

### Production and Distribution of Hybrid Planting Materials

As part of RDB's commitment to the CHProject, a total of 151,923 seedlings and 133,671 hybrids were produced and distributed, respectively, by the research centers to the regional offices.

| Research Center | Good Seednuts/Seedlings Produced | Planting Materials Distributed |
|---|---|---|
| Albay Research Center | 27,567 | 17,067 |
| Davao Research Center | 29,703 | 27,740 |
| Zamboanga Research Center | 94,653 | 88,861 |
| **Total** | **151,923** | **133,670** |

### Pollen Production and Distribution

In terms of pollen production, a total of 467.126kg pollen were produced by DRC and ZRC while a total of 497.770 kg was distributed to the regions and centers for their hybridization activities. The pollen produced from the previous years formed part of the distributed pollen.

| Research Center | Pollen Produced (kg) | Pollen Distributed/ Utilized |
|---|---|---|
| Davao Research Center | | |
| Laguna Tall | 275.016 | 278.055 |
| Zamboanga Research Center | | |
| Laguna Tall | 27.380 | |
| Tagnanan Tall | 155.050 | |
| Baybay Tall | 9.680 | |
| ZRC Subtotal | 192.110 | 219.770 |
| **TOTAL** | **467.126** | **497.825** |

## PRODUCTION OF OPEN - POLLINATED VARIETIES (OPVs) FOR THE SUSTAINABLE PLANTING AND REPLANTING OF LOCAL CULTIVARS (SPRLC)

For OPVs production and distribution, a total of 601,672 local tall and dwarf varieties were produced while 513,911 planting materials were distributed to the regional offices for the planting and replanting program of the Authority

| Research Center | Good Seednuts Produced | Planting Materials Distributed |
|---|---|---|
| Albay Research Center | 94,189 | 92,999 |
| Davao Research Center | 243,686 | 191,811 |
| Zamboanga Research Center | 263,797 | 229,101 |
| **Total** | **601,672** | **513,911** |

## MASS PRODUCTION OF EMBRYO CULTURE MAKAPUNO SEEDLINGS

The production and dispersal of embryo cultured Makapuno (ECM) seedlings is an income-generating activity of the research centers. EC Makapuno seedlings are sold at PhP500/seedling. DRC and ZRC generated PhP178,832 and PhP303,000.00 for the sale of ECM. For this year, ZRC transported 748 ECM plantlets to Cavite State University as PCA's counterpart in the Makapuno Project in Alabat, Quezon.

*Figure1 . Acclimatized ECM seedlings in the screenhouse ready for dispersal and field-planting*

**BIOTECHNOLOGY**

Genetic stability of somatic embryogenesis-derived materials was investigated to ascertain the genetic constitution of the materials at different stages of growth. A total of 117 tissue-derived samples of BAYT (39), LAGT (20), ECM (15), and TxT (12) were subjected to microsatellite (SSR) analysis. Only LAGT was monomorphic for the markers used while BAYT, ECM and LAGT were polymorphic (or showed differences) in 7, 8, and 3 SSR markers, respectively. SSR analysis on 89 CSEt -field planted palms revealed 94.7% polymorphism (or 18 of 19 loci showed differences) with a total of 65 alleles detected at an average of 3.6 alleles per locus. Cluster analysis showed a tendency for the CSEt-derived varieties to form distinct clusters.

In 2024, three (3) projects were implemented to determine the mechanisms of disease resistance and improve the detection of insect pests and their biological control agents using genomics tools.

Two projects are under the DOST-VVRP Coconut program "Development of mitigating strategies for the coconut Cadang-cadang threat." The component project "Transcriptomics Analysis of Healthy and Cadang-cadang Infected Coconut Palms," aims to identify genes associated with coconut's response to CCCVd infection. A total of 23 primers associated with disease tolerance/resistance, growth, and development are being evaluated for their expression in palms across various disease stages, to provide insights into the molecular pathways involved in viroid resistance. A total of six (6) RNA samples from different coconut tissues were submitted for sequencing and transcriptome analysis. The project "Application of Antisense Technology for the Coconut Cadang-cadang Disease: A Proof of Concept Study" aims to show the utility of antisense technology in introducing resistance to CCCVd. Among 217 LAGT-derived seedlings inoculated with CCCVd, 11 were confirmed CCCVd-positive in positive control treatments, while those inoculated with double stranded CCCVd (dsCCCVd) remained CCCVd-negative. Additionally, three antisense Central Conserved Region (CCR) primers were designed, with one (CCR 2) displaying effective hybridization with CCCVd RNA at 55 °C to form a dsCCCVd. Optimization of primer-to-RNA molar ratios is ongoing.

Under the CFIDP-CHP Program, a DOST-PCAARRD-funded project "Surveillance and Detection of Coconut Rhinoceros Beetle (CRB) Genotypes and their Natural Enemies in Hybrid and Local Coconut Variety Plantations in the Philippines" is being implemented with PCA-DRC. PCA-ARC is involved in determining the molecular profile of current CRB populations and their associated natural enemies in the Philippines. Using molecular markers, CRB populations were shown to be differentiated according to their site of collection, with samples from Bohol forming a cluster distinct from samples collected from the Bicol Region and other provinces in Mindanao and Luzon.

**INTEGRATED CROP IMPROVEMENT**

For the year, two (2) new projects were implemented on the 3rd and 4th quarter of 2024 particularly on the "Soil and Leaf Nutrient Profiling of Coconut Hybrids in PCA Demonstration Farms in cooperation with the LSD and the "Strengthening the Intellectual Property and Technology Business Management in the PCA-DRC".

**INTEGRATED CROP PROTECTION**

Two (2) DOST-PCAARRD funded-projects were completed this year. The Project "Enhancing IP-TBM in Department of Agriculture Philippine Coconut Authority (DA-PCA) through Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in Southern Mindanao" aimed at strengthening grassroots agricultural and natural resource sectors through innovation. Project 1G focused on enhancing Intellectual Property and Technology Business Management (IP-TBM) at the Philippine Coconut Authority (PCA) to promote technology commercialization and policy alignment in the Davao Region. Key outcomes include IP training, patent filings for technologies such as a biological control agent for coconut leaf beetle and bioorganic fertilizers, and policy reviews to harmonize PCA's IP framework. The project also pre-commercialized innovations like the Green Muscardine Fungus (GMF) production process and coir twining machines while fostering partnerships and producing IEC materials for technology dissemination. Despite challenges like funding delays, the project achieved significant progress in capacity building, innovation diffusion, and stakeholder engagement. Establishing a dedicated IP Management Office and continuing training are recommended for sustainability. RAISE exemplifies how regional collaboration can drive innovation and development.

Another completed project is the "Pest Management Strategies for Coconut Rhinoceros Beetles in Typhoon Odette Affected Regions". The current Philippine scenario demands for rapid, united and coherent pest management strategies for coconut rhinoceros beetle. The appropriate deployment of the GMF in established breeding sites is one of the most effective means of suppressing the beetles. In the 12 sites monitored in Surigao del Norte and Southern Leyte, there was a general trend of decreasing percent damage and incidence eight months after GMF application. However, mitigation procedures might be limited by the availability of the biological control agent and the community effort to apply the fungus.

**COCONUT SCALE INSECT MITIGATION at ZRC**

In 2024, the PCA-ZRC Genebank continued its concerted efforts to combat the escalating Coconut Scale Insect (CSI) infestations affecting 33,875 coconut palms. The Quick, Response Protocol integrating biological, cultural, and mechanical strategies was implemented to mitigate the infestation's impact (Figure 2) of which demonstrated measurable progress in reducing infestation levels. The treated blocks showed a notable decline in CSI populations within three months post-intervention; however, re-infestation was observed in some blocks, indicating the need for continuous monitoring and adaptive management, including enhanced biocontrol agent release schedules.

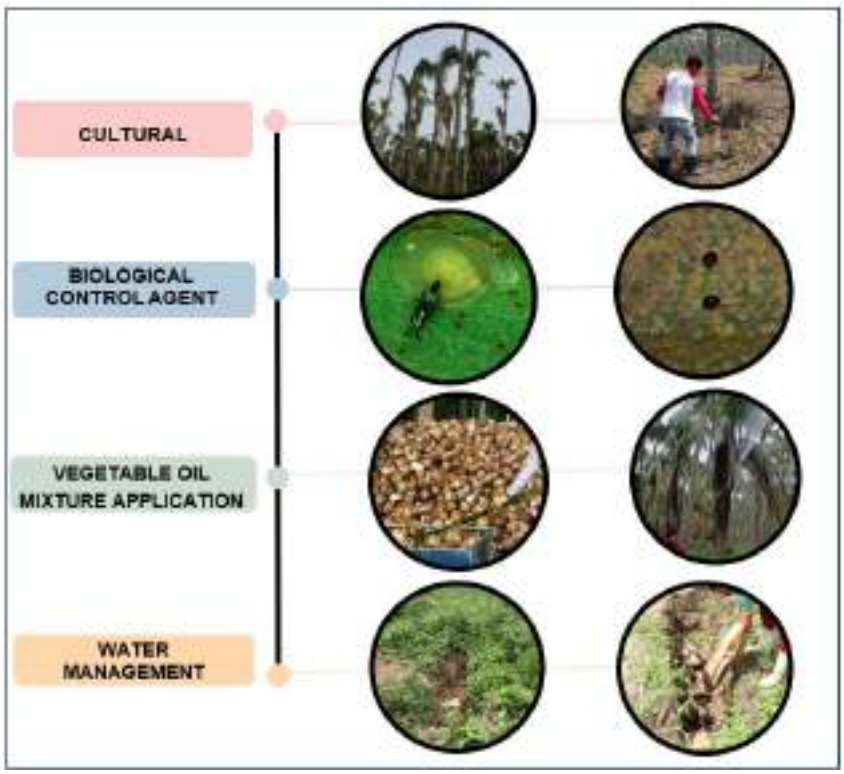



*Figure 2. Quick Response Protocol Activities*

**Cultural and Mechanical Approaches**

Cultural and mechanical strategies played a crucial role in supporting other pest mitigation efforts. Leaf pruning, although suspended in most blocks due to prior completion, remains a vital practice for directly reducing pest populations. In addition, fertilization was applied to 31,072 coconut palms, enhancing their resilience to pest infestations. Trenching was also employed, using agricultural waste to create trenches that conserved moisture and improved soil health, providing a sustainable foundation for interventions during the anticipated drought season.

**Biological Control: Enhancing Natural Predation**

The mass rearing and strategic release of Telsimia nitida (predator) and Comperiella calauanica (parasitoid) were intensified to effectively manage CSI populations. Key improvements in the methodology included suspending parasitoid pupae containers, applying attractants to enhance predator effectiveness, and upgrading facilities for mass rearing. To date, a total of 635,895 parasitoid adults and 33,550 predator adults have been successfully released, with notable establishment success observed in Block 25 MRD.

Early assessments showed a 15% reduction in CSI populations, however, re-infestation was noted in some blocks (Block 24 CATD), highlighting the importance of on-going releases and close monitoring.

**Oil Mixture Applications: Protecting Seedlings and Palms**

A 3% vegetable oil and 0.1% dishwashing liquid solution was found as an effective management strategy for armored-scale insect infestations. Oil can disrupt the waxy protective layer of the CSI, resulting in mortality of both adults and their eggs.

Integrated pest management practices which include pre-distribution dipping of seedlings and planting materials to eradicate pests, pruning infested foliage, and applying the oil solution to medium-height palms were employed to enhance pest suppression and overall plant vigor. Although single-round applications have shown efficacy, re-infestations remain a challenge. Current study is evaluating the impact of increased application frequency on pest control outcomes, with preliminary findings indicating improved efficacy compared to single-treatment protocols (Table 6).

*Table 6. Rapid Ground Assessment (RGA) result*

| Assessment | % Alive CSI | % Dead CSI | % Parasitism |
|---|---|---|---|
| Baseline | 65.32 | 32.57 | 40.2 |
| 1st Round | 51.27 | 44.91 | 30.27 |
| 2nd Round | 49.89 | 38.95 | 25.27 |
| 3rd Round | 32.50 | 37.66 | 28.5 |

The initial findings indicated a slight response to the treatment. However, a significant reduction in the parasitism rate was observed. To address potential re-infestation and manage the residual CSI population effectively, a follow-up release of BCA is recommended approximately 14 days post-treatment. This strategy aims to mitigate the resurgence of CSI and ensure sustained control.

**Ocular Assessments**

Six months after intervention was applied, ocular assessment was done to evaluate the situation of the mitigation. Based on the visual observations, some treated palms revealed a healthy upward growth of young fronds which an indicative sign of recovery (Figure 4) however, there were palms that showed some recurrence (Figure 5). Expert validation is needed to identify factors contributing to resurgence and refine interventions.

*Figure 4. (from left to right) Block 25 MRD Pre-treatment and post-treatment assessment dated November 2023, May 2024, November 2024.*

*Figure 5. (from left to right) Block 24 CATD Pre- and post-assessment dated November 2023, May 2024, November 2024.*

**Comperiella calauanica for the management (CSI) in Sorsogon**

With a total release of 14,000 Comperiella individuals across six (6) batches of release, a notable reduction in the incidence of CSI was observed in infested palms in the two sites in Sorsogon (Bulusan and Irosin) This decrease can be directly attributed to the parasitization activity of Comperiella. Additionally, infested palms displayed significant improvement in overall appearance, particularly evident in the development of new fronds, which appeared green and free from CSI infestation. This observation underscores the effective biological control achieved through the introduction and establishment of Comperiella. The parasitoid's presence not only reduced the overall CSI population but also contributed to the recovery and enhanced health of previously infested palms.


*Figure 6. Recovery of palms infested with CSI at the 2 sites in Sorsogon after release of Comperiella calauanica*

Based on the results of the mitigation measures employed in 2024, the following recommendations are proposed for 2025:

- Strengthen Ongoing Monitoring: Implement enhanced monitoring systems to identify and mitigate re-infestation risks proactively.
- Expand Biocontrol Agent Use: Increase the frequency and timing precision of biocontrol agent releases.
- Timely Interventions: Conduct rapid ground assessments to optimize treatment timing and prevent pest outbreaks.
- Integrate Climatic Data: Utilize rainfall and temperature data to predict CSI outbreaks and tailor management strategies.
- Enhance Research Efforts: Investigate long-term impacts of combined interventions and refine biocontrol methodologies.dapt to Climatic Variability: Prepare drought-resilient interventions, integrating soil health

**PRODUCTION OF BIOLOGICAL CONTROL AGENTS**

ARC and DRC support the IPM Program of PCA through the cost-effective rearing, distribution and evaluation of quality biological control agents for major pests of coconut.

For 2024, ARC Biological Control laboratory produced the following biocon agents:

1) Metarhizium anisopliae, the green muscardine fungus (GMF) for the control of the coconut rhinoceros beetle (CRB) Oryctes rhinoceros; a total of 59.5 kg of GMF were applied to rhinoceros beetle-affected farms in Albay, Camarines Sur, Camarines Norte and Sorsogon.

Aside from CRB, Metarhizium anisopliae strains as well as Trichoderma harzianum. were used to treat Asiatic palm weevil (APW) and coconut leaf beetle (CLB), The Trichoderma fungus served two functions: as a compost fungal activator (CFA) for the production of Cocopeat Bio-Organic Fertilizer (CBOF) and as a biological control agent (BCA) for the control of coconut bud rot disease.

A total of 1,684 kg Metarhizium anisopliae CRB strain was produced with six (6) PCA Regions VIII, IX, XI, XII, XIII and XIV and Kapampangan Foundation receiving 555 kg with an available inventory of 1,129 kg for dispatch. As for the 581 kg Metarhizium anisopliae APW strain produced, 80 kg were delivered to Regions VIII, X and Kapangpangan Foundation with an and an inventory of 500 kg.

2) Tetrastichus brontispae, a parasitic wasp and the earwig Chelisoches morio for the control of the coconut leaf beetle (CLB), Brontispa longissima; 3,550 earwigs and 1,100 Brontispa mummies harbouring the parasitoids were released to about 110 hectares Brontispa-infested farms in Albay, Camarines Norte, and Sorsogon.

Tetrastichus brontispae was continuously reared at DRC. A total of 3,594 mummified pupae harboring parasitoids poised to emerge were released into their coconut hybridization sites. This initiative was designed to suppress Brontispa longissima populations, thereby mitigating their damaging impact on coconut palms.

3)A total of 8,647 black earwigs Chelisoches morio, known for their predatory behavior and effectiveness against coconut pests, were successfully mass-reared and subsequently released to DRC hybridization sites to enhance natural pest management while a total of 6,821 predatory beetles (Telsimia nitida) were reared and strategically deployed in DRC areas while some of these beetles were transported and released in Bacolod, Negros Occidental and Bunawan, Agusan del Sur for coconut scale insects (Aspidiotus rigidus) mitigation.

**CADANG -CADANG DISEASE OF COCONUT**

For the management of the Cadang cadang disease, technical assistance was provided by conducting Coconut Cadang cadang viroid (CCCVd) assay of leaf samples submitted by PCA-Regional offices. A total of 96 samples (Reg IV=15, Reg V=57, Reg VIII=24) were processed for CCCVd diagnosis. Of these, only three (3) samples from Region IV (Brgy Villafranca, Quezon, Quezon, a quarantined municipality based on BPI-AO No. 3 s. 2004) were positive for CCCVd, all the rest were tested negative for the disease.

**FOOD PRODUCT DEVELOPMENT**

Numerous coconut-based foods with non-traditional products capturing the health conscious consumers are available in the market. On top of traditional products that are derived from copra, these innovations promote the continuous adoption of the circular economy ensuring that nothing is wasted, extending the array of coconut food raw materials beyond the water and the meat.

The processing of coconut by-products is continued to be valued as promising ingredients for nutritious food. The use of Virgin Coconut Oil (VCO) has been successfully diversified through the project "Development of Strategies to Product High-value Food Products by Utilizing Virgin Coconut Oil and its By-products" by developing cost-effective, adaptable, acceptable, and widely consumed food products. These include commercially sterile, low-histamine sardines in VCO with 0.06 grams of trans fat and two (2) Chili Garlic in VCO variants, each with <0.01 grams of trans fat. Both products have a payback period of less than 1 year and competitive prices similar to commercial products at PhP 210 for 240 g and PhP 130 for 120 g for sardines and chili garlic in VCO, respectively.

To optimize the use of perishable by-products like coconut meat residue (CMR) and coconut skim milk (CSM), protocols to stabilize these by-products for at least a month, ensuring quality for extended storage and various food applications have been established. These by-products have been effectively used in the development of a highly acceptable and high-fiber CMR breading mix, while the formulations for the energy bar from CMR and the probiotic drink from CSM are near completion.

The coconut water, usually discarded during mature coconut processing, was used as non-traditional substrate for the synbiotic drinks, kombucha and kefir through the project "Development of Fermented Coconut Products from Mature Coconut Water and Coconut Skim Milk By-products from VCO Processing." The microbial inoculation, sugar concentration, fermentation duration, and flavor enhancement are being optimized. Physicochemical and microbiological analyses confirmed product safety and stability. Sensory evaluations highlighted critical formulation parameters to enhance acceptability, contributing to the sustainable valorization of the coconut by-product.

*Figure 7. VCO processing generates by-products such as coconut water that can be fermented into (A) kombucha, coconut meat residue that can be used in (B) granola bars and (C) breading, coconut skim milk that can be formulated as (D) probiotic drink. VCO can be used as carrier oil for (E) chili garlic and (F) sardines.*

Protocol for trimmed-fresh young coconuts was established through the project "Development of Harvest and Post-harvest Management Protocol on Fresh Young Coconut (FYC) for Farmer-responsive Commercialization." The outputs of the project were used as supporting information for the Philippine National Standards (PNS) on young coconuts and preparation of information bulletin for dissemination of the guidance on proper handling, anti-browning treatment, storage and transport of FYCs (Figure 8). The procedure is being validated through the DOST-PCAARRD-funded project previously presented, along with the development of protocols for primary processed FYC products i.e., shredded FYC meat and purees.


*Figure 8. The step-by-step procedure of processing fresh young coconuts (FYC) into trimmed FYC is disseminated through IEC materials i.e. technology guide brochure.*

**NON-FOOD PRODUCT DEVELOPMENT**

During the year, various mechanization equipment including solar dryer for coconut male flowers and two (2) DOST-PCAARRD funded-projects namely themodified ladder for near-crown coconut operations, mechanized coir looming machine are being fabricated under the project "Improved Productivity on Production of Hybrid Coconut Planting Materials by Mechanization.

*Figure 9. Setting up the metal frame with stainless steel sheet and polyethylene plastic cover for the solar dryer for coconut male flowers*

*Figure 10. Setting up the metal frame for the harvester platform and preparing metal components for the modified ladder for near-crown coconut operations*

*Figure 11. Installation of the metal frame, steel rollers, and steel braces for the mechanized coir looming machine*

Another project, focusing on the development of harvest and post-harvest management protocols for fresh young coconut commercialization, has made significant progress in designing and testing various processing machinery. These include the spray dryer, an initial prototype was tested using coco peat tannin extract, yielding limited success with an operational efficiency of 1 gram of tannin powder per hour. The spray dryer mechanism, involving heat exchange, high-pressure atomization, and a cyclone system for powder collection, was further refined with necessary components such as a spray nozzle and variable frequency drive (VFD) to improve performance. Ongoing testing is planned with matured coconut water, requiring approximately 200 coconuts per trial to measure brix and acidity levels.

Concurrently, the vacuum evaporator underwent calibration and performance testing using a 12.5% coco sugar solution. Under atmospheric conditions, the process took 2 hours and 50 minutes at 90-100°C, while the inclusion of a vacuum pump reduced the time to 2 hours and 10 minutes at 70-90°C. Additionally, a biomass shredder prototype designed for young coconut husks was tested with an input capacity of 800-1000 kg/hour, achieving 90% output efficiency. However, adjustments to the blade design and motor size are underway to improve rotational speed and shredding performance. The shredder will be upgraded with food-grade stainless steel to comply with GMP standards. Despite challenges, the project continues to advance the functionality of these village-level post-harvest and processing machineries, with modifications and further testing planned to optimize their efficiency and commercialization potential.

*Figure 12. Fabrication of body frame of pneumatic buko trimmer*

*Figure 13. Functional testing of Spray Dryer Machine using tannin extract sample*

*Figure 14. Tannin powder produced one (1) gram at one (1) hour operational testing*

*Figure 15. Testing of the Vacuum Evaporator to calibrate the measuring devices attached to the device*

*Figure 16. Testing of biomass shredder using 5hp induction motor*

**FABRICATION OF VARIOUS PROCESSING MACHINERIES AND EQUIPMENT**

Multiple commitments under various projects from other government agencies and private individuals were successfully fulfilled by the NFPDD during the year.

| Machineries/Equipment Fabricated | Requesting Party | Beneficiary/ies | Remarks |
|---|---|---|---|
| One (1) decorticating machine, four (4) pedal-type twining machines, and four (4) manual twining machines were delivered | DSWD Regional Office IX Sustainable Livelihood Program | Limpapa, Zamboanga City, on April 22, 2024, followed by. | With operational training and a coir doormat-making session and with 20 participants learning twining machine operation and coir treatment processes for tapestry and bag production.<br><br>Additional training on coir product value-adding was conducted in Limpapa on September 10, 2024 |
| One (1) decorticating machine and one rotary horizontal sieving machine | Engr. Nilo Jardeleza | Iloilo | With training |
| One (1) decorticating machine, one (1) rotary horizontal sieving machine, one looming machine, and ten twining machines (five pedal-type, five manual) | DOST IX TASK ELICE 2024, | Cabaluay Farmers Association in Zamboanga City | |

*Figure 17. Training conducted on Latuan Basilan, Mangusu Zamboanga City and Kumalarang Zamboanga del Sur*

*Figure 18. Training conducted in Katipunan and Piñan, Zamboanga del Norte*

*Figure 19. Beneficiary of the project: Tinago Eagles Fisherfolks and Farmers Producer Cooperative*

*Figure 20. Training on operation and maintenance of decorticating machine and twining machine in Limpapa Farmers Cooperative*

*Figure 21. Training on operation and maintenance of Decorticating Machine and Rotary Horizontal Sieving Machine*

*Figure 22. Installation of the coir machineries at Cabaluay, Zamboanga City*

**UTILIZATION OF COCONUT WOOD AND BIOMASS FOR THE PRODUCTION OF INDUSTRIAL MATERIALS AND NOVELTIES**

A total of 134 pieces of various furniture such as rocking chairs, wooden drawer, single bed frames, coco wood cups, floor lamps, coco wood frame stands, chess tables, wooden frames, coconut husk clock, wooden chairs, coco wood plaques, conference table, wooden chairs with armrests and other novelty items and furniture were produced.

*Figure 23. Furniture and novelty products produced*

For the Coir Processing, a total of 2,193 kg of coir fiber and 5,494 kg of coco peat were produced, along with cement fiberboard (½" x 2' x 4'), double twine, coir baskets and other fiber-based products. A demonstration of the fiberboard processing was conducted at the Southern Luzon State University.

*Figure 24. Coir, peat and coir products produced for the year.*

For the production of coconut methyl ester, 2,578.84 liters of CME and 703.1 liters of crude glycerol were produced. Several vehicles at PCA-ZRC, tractors and have been running smoothly and efficiently using the produced biodiesel (CME) as fuel. The vehicles and engines have shown good performance.

*Figure 25. Actual operation of the trans-esterification process of crude coconut oil*

*Figure 26. PCA-ZRC vehicles that use 100% Biodiesel*

**LABORATORY SERVICES**

The Laboratory Services Division with its two laboratories namely Plant and Soil Analysis Laboratory (PSAL) and Product Quality Control Laboratory (PQCL) provide analytical laboratory services to various stakeholders such as Coconut Manufacturers/Processors, PCA (Operations Branch, Research Centers and Regional Offices), Other Government Agencies, Academe and Private Sector/Individuals. The PSAL caters to plant/fertilizer and other Agro/Bio-related samples while PQCL with its two sections accommodates chemical and microbiological analyses for Coconut Products and By-Products.

The Plant and Soil Analysis Laboratory received 2,154 samples from various stakeholders in 2024 completed the chemical analyses of 1,348 samples with a total of 7,348 determinations performed (N, P, K, Ca, Mg, Na, Cl, S, B, Fe, Cu, Mn, Zn, Organic Carbon/Organic Matter, Moisture, pH, Electrical Conductivity and heavy/toxic metals such as As, Pb, Ni, Cd, Cr, Se, Co, Al, and Hg). The laboratory released 1,348 test reports and the total cost of analyses fees amounted to Php 5,872,340.00

Also the Product Quality Control Laboratory – Microbiological Laboratory (PQCL-MICRO) received a total of 218 samples from different clients during the year consisting of VCO, DCN, Coconut Sugar, Other Product: Chocolate, and Coconut drink. There were 239 Test Results released, generating a total income of PhP488,900.

Likewise Product Quality Control Laboratory – Chemical Laboratory (PQCL-CHEM) received 660 samples from different stakeholders consisting of copra expeller cake, dessicated coconut and other products with 644 test results released generating a total amount of P1,757,425.00. It also conducted technical assistance thru survey and monitoring of aflatoxin in copra cake/meal samples, with a total of 327 samples analyzed amounting to P981,000.00. These samples were collected by PCA Regional offices from the companies every month.




Aside from the services provided by the LSD for industry stakeholders, LSD implemented the Japanese Embassy-funded project "Coconut Sap Wine Development Project." Coconut sap collected from the coconut sap sugar production farm was used. Two (2) final batches of coconut sap were fermented using the laboratory scale fermentation set-up. Two (2) types of yeasts were used - the commercial yeast (Saccharomyces bayanus) and inherent yeast of coconut sao which was isolated from the coconut sap. There were two (2) kinds of inherent coconut sap yeasts that were isolated and labelled IY6 and IY8. Important coconut sap profile parameters include: TSS=19.77 °Brix and pH= 5.3. Sap, along with all the materials used, were properly sterilized before fermentation. After halting the fermentation (22-28 days), bentonite was used to separate the bulk of proteins while sparkolloid finings were added to polish the wine by neutralizing the electrical charge (colloids) of the sap. Sixty (60) % of the coconut sap collected was developed into wine.

Coconut sap wine produced have the following characteristics: 10-12% alcohol, <0.005% (v/v) methanol, microbes = negative, TSS= 8.94 °Brix, pH=3.82, Carbohydrates Carbohydrates= 2.41%, Protein= 0.16% and other mineral/nutrient contents such as Phosphorus, 139.6ppm, Potassium 0.210%, Calcium 0.04%, Magnesium 0.008% and Fe= 21.45ppm.

Sensory evaluation (attributes: overall appearance, color, aroma, mouthfeel and flavor) revealed that the product is moderately acceptable while for consumer acceptability, willing to purchase is 84.31% said yes and purchase price is at Php251.00-499.00 (55.81%). For packaging and design, all of the sample wines got an average of 8.09 with 1 as the lowest and 10 being the highest.

The Terminal Report of the Project was turned-over by the PCA Administrator Dexter R. Buted, Deputy Administrator - RDB Roy T. Devesa and LSD Project Team headed by Ma. Celia Raquepo to the Japanese Embassy, being the funding agency.

*Figure 29. Coconut wine developed by the project*

The Philippine Coconut Authority, particularly the Laboratory Services Division (PCA-LSD), has recently acquired a new equipment specifically configured for the analysis of MOH, including the Mineral Oil Saturated Hydrocarbons and Mineral Oil Aromatic Hydrocarbons (MOSH-MOAH). This MOSH-MOAH Analyzer consists of an integrated system of Liquid Chromatography and Gas Chromatography with dual Flame Ionization Detectors (LC-GC-FID System). The laboratory is currently conducting method validation for the analysis of MOSH-MOAH using relevant reference methods such as the German Society for Fat Science (DGF) C VI 22 (20) 2020, ISO 20122:2024, European Commission Joint Research Centre (JRC) Guidelines, etc.

**EMERGING TECHNOLOGIES**

As part of its commitment to innovation and sustainability, the Philippine Coconut Authority (PCA) has entered into a strategic partnership with Japan-based Manryu Co., Ltd. to explore the production of Sustainable Aviation Fuel (SAF) using coconut oil as a primary feedstock. This collaboration marks a significant milestone in positioning the Philippines as a key player in the global biofuel industry, contributing to both environmental sustainability and economic growth. The partnership will focus on conducting trials at PCA's research facilities to assess the feasibility and efficiency of the Maeda Method in SAF production. Aligned with the Philippine government's broader efforts to promote green technologies and sustainable industries, this initiative strengthens the country's role in the growing SAF market. With increasing global demand for sustainable aviation fuels, this collaboration underscores the Philippines' commitment to reducing greenhouse gas emissions and fostering a more sustainable future.

A key priority in accelerating SAF development is the establishment of clear policies and regulations. PCA recognizes the importance of defining economic frameworks for Non-Standard Coconut (NSC) segregation, SAF pricing, and industry compliance to align with global standards. In collaboration with stakeholders such as the Island Skies Alliance and the Department of Energy, PCA has started conducting preliminary policy formulation sessions on non-standard coconuts in 2024, with a continued focus for implementation and refinement throughout 2025. By fostering a structured regulatory environment, the Philippines can drive investment in SAF production, enhance industry transparency, and solidify its position as a leader in sustainable aviation fuel.

In support of the bioenergy projects, RDB is exploring the development of Green Energy Islands, establishing integrated coconut processing facilities and duplication of coconut germplasm in strategic areas in the country.

**PATENTS**

The invention titled "Process of Mass Propagating of Coconut," authored by CA Cueto, PhD., MBA Ubaldo, MD Alcos, ME Osiana, WR Medes, OD Orense was filed on January 29, 2021 (Application No. 1-2021-050038), under classification codes A01H 4/00 and C12N 5/00. Published in the e-Gazette of the Intellectual Property Office on August 1, 2022 (Vol. 25, No. 88), it has been granted with IP Patent No. signed by IPO Philippines on August 29, 2024.

**PUBLICATIONS**

Papers published at the Philippine Coconut Authority Research Journal (PCARJ) Volume 1, ISSN Number 3028-1393.

"Virulence Testing and Detection of Genetic Variation Patterns using SSR Markers in Geographic Isolates of Metarhizium anisopliae (Metchinikoff) Sorokin collected from Oryctes rhinoceros (L.) and Brontispa longissima (Gestro) by MLR Imperial, SJ Daz, MCA Fulleros, MEB Naredo, PhD. JC Orense, and CA Cueto, PhD

"Micropropagation of Coconut at PCA-Albay Research Center" by MA Ubaldo, AL Naz, and CA Cueto PhD were published in the said journal.

**AWARDS**

**PAPER AND POSTER AWARDS**

| Award | Author | Organizer | Venue |
|---|---|---|---|
| **Best Paper:** "Development of a Low-fat Ready-to-Drink Beverage from Valorized Coconut Skim Milk in Virgin Coconut Oil Processing | ETPL Labrador, SAMNE Palmes, GC Carillo, JN Elejorde, NCLO Oliva, MTI Namia, and JT Nieva | 5th Regional Symposium on Research and Development Highlights (RSRDH), spearheaded by the Bicol Consortium for Agriculture, Aquatic, and Natural Resources Research and Development (BCAARRD) | *Sorsogon State University, Sorsogon City* |
| **Best Poster:** "Development of a Reverse Transcription Polymerase Chain Reaction (RT-PCR) Method to Detect the Cadang-cadang Viroid in Coconut | MCA Fulleros, CD Alcos, MLR Imperial, MEB Naredo, PhD., and CA Cueto, PhD. | **16th National Genetics Symposium** | *SEARCA Umali Auditorium, UPLB, College, Laguna, March 21-22, 2024* |
| **Third Best Poster:** "Virulence Testing and Detection of genetic variation patterns in geographic isolates of *Metarhizium anisopliae* (Metchnikoff) Sorokin collected from *Oryctes rhinoceros* (L.) and *Brontispa longissima* (Gestro) using SSR markers" | SJM Daz, MLR Imperial, MEB Naredo, PhD., MCA Fulleros, and CA Cueto, PhD. | | |
| **Best Poster**: "GATALITE: A Low-fat Ready-to-Drink Beverage from Valorized Coconut Skim Milk and Coconut Water" | ETP Labrador, SAMNE Palmes, GC Carillo, JN Elejorde, NCLO Oliva, and MTI Namia | **85th PIChE National Convention** | *Waterfront Hotel and Casino, Cebu City, September 11-14,02024* |
| **Special Recognition for Innovative Approach:** "Decoding the Molecular Defense Mechanisms of Coconut Against the *Cadang-cadang* Viroid" | CA Cueto, PhD., MCA Fulleros, DC Diaz, MM Melitante, CD Alcos, MEB Naredo, PhD., and MLR Imperial | **12th Annual PAPTCB Scientific Conference** | *Hotel Venezia, Legazpi City, October 16-17, 2024* |

**TRAININGS CONDUCTED/ATTENDED BY RESEARCH CENTER PERSONNEL AS RESOURCE PERSONS**

**Davao Research Center**

1. Training of Trainers on Climate Resilient and Regenerative Coconut-Based Farming System (CRR-CBFS)
2. Training on Male Flower Collection and Pollen Processing
3. Managing Threats of the Coconut Rhinoceros beetle
4. Training of Trainers on GAP on Coconut, Batch 1-5
5. Coconut Hybridization Protocols and Nursery Management Batch 3
6. Pest and Diseases in Coconut
7. Under Siege: The Growing Threat of Pests and Diseases to Coconut Plantations
8. Specialized Training Course on
9. Coconut Agro-Technology, Batch 1 and 2
10. Training of Trainers on Crop Protection cum Coconut Scale Insects (CSI) control and Management
11. Regional Directors Cacao and Coconut Technology Summit
12. Coconut Fertilization during the Regional Training of Trainers on Coconut Production

**TRAININGS CONDUCTED/ATTENDED BY RESEARCH CENTER PERSONNEL AS RESOURCE PERSONS**

**Zamboanga Research Center**

1. Pollen Collection and Processing, Laboratory Operations, and Standard Hybridization Protocol, with Specific Emphasis on the Assisted Pollination Technique
2. Specialized Training Course on Coconut Agrotechnology, Batch 1 and 2
3. Comprehensive Training on Varietal Identification of Mother Palms and Pollen Sources for On-Farm Hybridization and Hybrid Mass Production, Batch 1-4
4 Collecting and Managing Coconut Germplasm Data /Information
   Title of the Presentation: From In situ to Ex situ: Standard Collecting and Operating Procedures in the Philippines
5. e-Kapehan Session focused on Research and Innovations in the Coconut and Corn Sectors
   Title of the Presentation:Collection, Conservation, and Utilization of Coconut in the Philippines.
6. Yamang Saribuhay: Unlocking the Potential of Philippine Genetic Resources
   Title of the Presentation: Coconut: Securing and Conserving the Tree of LIfe

*Figure 30. Activities during the Four (4) batches of varietal training at ZRC (Dated; June 3-7, 2024, July 22-26, September 2-6, September 16-20)*


*PCA & Manryu Co., Ltd MOU signing on October 22, 2024*

**Visit at Western Palawan University**
Meeting with the Department of Transportation on Sustainable Aviation Fuel (SAF)

*Meeting with Aurora State College of Technology (ASCOT) President and personnel*

*Meeting with RM Concibido of Region IVA and Catanauan Mayor*

*National Biofuel Board (NBB) Meeting*

**TURNOVER CEREMONY**

In a simple ceremony, DA Roy Devesa spearheaded the turnover ceremony at ARC to bid farewell to its Department Manager II, Dr. Cristeta A. Cueto who retired from government service on October 27, 2024 after 37 years of dedicated service. The torch was passed on to Ms. Ma. Teresa I. Namia, designated as Acting Department Manager II. She assured to uphold the best practices institutionalized by CA Cueto, PhD. and sustain ARC's status as a "Center of Excellence" by guiding its staff in blazing new trails in its R & D role of revitalizing the coconut industry.

# QUALITY MANAGEMENT & GOVERNANCE

# ON FUTURES THINKING


**PCA Pioneers 'Futures Thinking' to Secure the Future of the Philippine Coconut Industry**

Leading the visionary move to fortify the future of the coconut and palm oil industries, the Philippine Coconut Authority (PCA) conducted its first-ever 'Futures Thinking Workshop: Framing the Future for the Coconut Industry' on April 24-25, 2024. This pioneering initiative underscores PCA's pursuits for long-term sustainability, proactive governance, and the economic empowerment of coconut farmers nationwide.

**A Proactive Approach to Sustainability**

Anchored in the 2030 Sustainable Development Goals (SDGs), PCA takes decisive steps to integrate futures thinking into its core planning and decision-making processes. This approach allows the agency to anticipate industry challenges, harness emerging opportunities, and implement forward-thinking strategies that will drive the coconut sector to unprecedented growth and global competitiveness.

Led by PCA Administrator and CEO, Dr. Dexter R. Buted, the two-day workshop brought together a formidable alliance of PCA stakeholders from across the country, alongside leading foresight and futures thinking professionals. With a sharp focus on anticipatory governance, the agency aims to embed futures thinking in all facets of its operations, enabling it to foresee industry challenges, navigate technological advancements, and implement innovative solutions that will ensure the industry's resilience and sustainability.

Futures thinking, at its core, is a powerful tool for transformation. It challenges conventional perspectives, fosters a culture of innovation, and strengthens collaboration among industry players. By embracing this forward-looking mindset, PCA is setting the stage for a modernized coconut industry, one that is highly productive, technologically advanced, and globally competitive. Through strategic planning and inclusive decision-making, PCA is enhancing the entire coconut value chain, expanding both local and international markets, and instituting sustainable organizational systems that will benefit coconut farmers for generations to come.

**Equipping Stakeholders with Foresight**

The workshop featured leading experts in futures thinking and governance, equipping PCA officials and industry stakeholders with the knowledge and tools necessary to anticipate and adapt to emerging trends. Mr. Emmanuel de Guia, Resident Futurist of the Senate Committee on Sustainable Development Goals, Innovation, and Futures Thinking, provided an in-depth introduction to the principles of futures thinking. Ms. Jajalaine Joyce Malabanan, Course Specialist at the Polytechnic University of the Philippines-Open University System, discussed megatrends and drivers of change, emphasizing the importance of a compassionate anticipatory paradigm. Meanwhile, Prof. Michville Rivera, Dean of the College of Public Administration at Pamantasan ng Lungsod ng Valenzuela, conducted insightful sessions on scenario development and causal layered analysis.

Beyond theoretical discussions, the workshop engaged participants in dynamic exercises such as SWOT Analysis and Causal Layered Analysis (CLA), empowering them to identify industry challenges, formulate strategic solutions, and develop innovative action plans. These activities reinforced the importance of a future-oriented mindset, equipping stakeholders with the ability to craft policies and programs that will ensure the long-term stability and progress of the coconut industry.

**Shaping the Future of the Coconut Industry**

With this pioneering workshop, PCA has taken a historic first step in designing a strategic roadmap that will propel the Philippine coconut industry to its full potential. As the leading agency tasked with the development of the coconut sector, PCA remains steadfast in its mission to uplift coconut farmers, provide sustainable livelihood opportunities, and introduce game-changing innovations that will drive the industry forward.

At the forefront of sustainability and industry development, PCA recognizes that collaboration and foresight are essential in navigating an increasingly complex global agricultural landscape. By institutionalizing futures thinking as a core governance principle, PCA is securing the long-term growth, resilience, and prosperity of the Philippine coconut and palm oil industries. This visionary approach ensures a robust and thriving coconut sector, and reaffirms PCA's role as a trailblazer in agricultural innovation, paving the way for a more sustainable and progressive future for coconut farmers and the nation as a whole.

# ON ISO 9001:2015 CERTIFICATION


**Triumph For Tenacity: PCA's Decade-Long Pursuit of ISO 9001:2015 Certification**

For the Philippine Coconut Authority (PCA), the journey toward ISO 9001:2015 certification was not merely a procedural milestone, it was a relentless pursuit of excellence, a decade-long odyssey of commitment to transforming its organizational framework, and an unfaltering resolve to institutionalize a culture of quality in service delivery. The long and arduous path to certification was finally realized in December 2024, a testament to the willpower, strategic direction, and leadership of Administrator Dr. Dexter R. Buted.

**Instilling a Culture of Quality as the Foundation for Change**

The drive for ISO 9001:2015 certification exceeds compliance; it was about ingraining a deep-seated culture of excellence within the agency. Under the leadership of Administrator Buted, PCA aggressively pushed forward initiatives to realign its systems with global quality standards. From the outset, this mission was about reshaping mindsets, restructuring processes, and redefining service delivery to elevate the agency's impact on the coconut industry and the Filipino coconut farmers it serves.

Recognizing that a strong foundation was necessary, the Authority conducted an intensive reorientation workshop on ISO 9001:2015 Quality Management System (QMS) on April 18-19, 2024. Employees, particularly unit process owners, participated in strategic discussions and writeshops to refine the agency's QMS manual, streamline operational plans, enhance customer satisfaction surveys, and implement global best practices in management. The engagement of expert facilitators from Pangasinan State University (PSU) and Universidad de Dagupan (UdD) provided critical insights into performance evaluation, leadership, and continuous process improvement.

The workshop was a rallying point for PCA personnel to embrace a mindset of consistency, efficiency, and innovation. It established the groundwork for a reinvigorated agency determined to meet and exceed global standards.

**Building the Pillars of Quality through Internal Audits**

With its QMS framework firmly in place, PCA intensified its internal auditing capabilities by conducting a refresher course for unit process owners and internal auditors on May 28-29, 2024. This initiative reinforced the importance of accountability, precision, and data-driven decision-making in maintaining quality standards.

The training, facilitated by PSU's esteemed quality assurance experts, covered a comprehensive range of topics, including audit program management, documented information, conducting audits, and writing non-conformity reports. Participants honed their skills in preparing audit checklists, writing audit reports, and conducting follow-ups, ensuring that every aspect of PCA's operations was subject to rigorous scrutiny and continuous improvement.

The culmination of this initiative was a pledge of commitment signed by officials and internal auditors, signifying their resolute dedication to achieving ISO 9001:2015 certification. The signing of this pledge shows a powerful declaration that PCA was ready to uphold international standards and elevate its quality management system to new heights.

**Undergoing the Crucial Second-Party Audit: PCA's Defining Moment**

The momentum gained from the internal audit refresher course propelled PCA toward its defining moment--the second-party audit held on August 12, 2024. A distinguished team of quality assurance specialists from PSU and UdD meticulously evaluated PCA's processes, ensuring that every unit conformed to ISO 9001:2015 standards.

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This external audit was a rigorous test of PCA's commitment to quality and efficiency. It examined key areas such as leadership effectiveness, resource management, operational execution, and performance evaluation. The meticulous review process validated the agency's systematic approach to ensuring transparency, accountability, and service excellence.

PSU's role in this journey was crucial, and its collaboration with PCA was deeply rooted in the PCA chief's leadership. Having previously established PSU's Quality Assurance Unit, Dr. Buted brought the same strategic vision to PCA, embedding a culture of quality and excellence within the agency. His expertise in quality assurance became a driving force in navigating PCA through the rigorous ISO certification process.

**A Historic Feat: ISO 9001:2015 Certification Secured**

After a decade of persistent efforts, setbacks, and breakthroughs, PCA finally secured its ISO 9001:2015 certification in December 2024. This achievement was not only a triumph for the agency but a landmark victory for the entire Philippine coconut industry.

The certification attests to the Authority's solid commitment to providing world-class services to coconut farmers and stakeholders. It represents a paradigm shift, an agency that once faced bureaucratic inertia has transformed into a model of efficiency, accountability, and customer-centric service. The ISO 9001:2015 certification is more than a seal of approval; it is an affirmation of PCA's dedication to continuous improvement and sustainable development in the coconut sector.

**Looking Ahead: Sustaining the Culture of Excellence**

The attainment of ISO certification is not the final chapter in PCA's journey, but the beginning of a new era. The agency is now equipped with a robust quality management system that will serve as the foundation for future innovations, streamlined processes, and elevated service delivery.

PCA's commitment extends beyond compliance. The agency is set to institutionalize a culture of quality, ensuring that its policies, programs, and initiatives remain aligned with international best practices. The goal is not just to sustain the standards set by ISO but to raise the bar higher, continuously improving to meet the evolving needs of the coconut industry and its stakeholders.

The Philippine Coconut Authority has redefined its identity, from an agency striving for certification to a leading institution setting the gold standard for quality and excellence. With a strengthened management system, an empowered workforce, and a clear vision for the future, PCA is now a formidable force, ready to champion the growth and sustainability of the Philippine coconut industry.

This is a victory for every Filipino coconut farmer, for the industry, and for the nation. The culture of excellence has taken root, and the seeds of transformation will continue to bear fruit for generations to come.

# ON PRIME-HRM


**PCA clinches CSC Bronze Award for HRM excellence**

In a landscape where bureaucratic efficiency often languishes behind ambition, the Philippine Coconut Authority (PCA) continues to set the benchmark for outstanding governance and institutional excellence, as it proudly receives the Civil Service Commission (CSC) Bronze Award under the highly esteemed Program to Institutionalize Meritocracy and Excellence in Human Resource Management (PRIME-HRM).

This recognition underscores the PCA's commitment to upholding superior human resource management (HRM) standards, ensuring that its workforce remains a driving force for national development.

This achievement, far from being a stroke of luck, is the culmination of a rigorous, systematic overhaul of the PCA's human resource framework. The CSC's exacting evaluation, which scrutinized the agency's practices across four critical domains: Recruitment and Selection, Performance Management, Learning and Development, and Rewards and Recognition, revealed a bedrock of meritocracy, a commitment to nurturing talent, and a dedication to recognizing excellence. The Authority, in essence, has redefined what it means to be a public sector agency in the 21st century.

The agency's ascent to the Bronze Level of PRIME-HRM signifies maturity in its HR systems, a move beyond mere transactional processes to a meticulously managed, process-defined approach. This leap reflects a deep understanding of the program's tiered structure, a structure benchmarked against global standards, where each level represents a progressive stage of HR maturity. The PCA's adherence to established procedures, as mandated by CSC MC 30, s. 2014, demonstrates a commitment to not just meeting, but exceeding, the expectations of public service.

This milestone represents the collective strength, diligence, and professionalism of the entire PCA organization. The Authority recognizes that an institution's success is deeply rooted in its people, and this award affirms its proactive approach to encouraging a work culture that prioritizes meritocracy, innovation, and continuous professional growth.

The road to PRIME-HRM accreditation is no small feat. PCA underwent a meticulous evaluation process wherein its HR systems were scrutinized against stringent standards set by the CSC. The results highlighted the agency's robust mechanisms in ensuring a merit-based recruitment process, a results-driven performance management system, and a comprehensive framework for employee development and recognition. These elements collectively contribute to a workforce that is not only competent but also motivated to serve with excellence and integrity.

Achieving this distinction places PCA in the Maturity Level 2 category, also known as the Process-Defined HRM. This signifies that the agency's HR practices are structured, strategically implemented, and guided by clear policies and procedures. The PRIME-HRM framework follows a tiered progression, advancing from Maturity Level 1: Transactional HRM to Maturity Level 4: Strategic HRM. PCA's attainment of the Bronze Award marks a significant leap toward its long-term vision of institutionalizing HRM best practices that align with international benchmarks.

More than an internal success, this recognition solidifies the Authority's commitment to the overarching vision of President Ferdinand "Bongbong" Marcos Jr. and Department of Agriculture Secretary Francisco "Kiko" Tiu Laurel. By elevating HRM standards, PCA directly contributes to national development, ensuring that human capital remains at the heart of sustainable progress. A well-managed, highly capable workforce is instrumental in achieving the country's agricultural goals.

The agency's pursuit of excellence in HRM does not stop at the Bronze Award. This achievement serves as a catalyst for further growth and refinement. PCA envisions advancing to higher PRIME-HRM maturity levels, strengthening its workforce, and setting a gold standard for other government agencies to emulate. With a steadfast commitment to innovation, accountability, and people-centered governance, the agency is set to continue its legacy as a model institution in the public sector.

The PRIME-HRM Bronze Award is a promise that PCA will remain relentless in its pursuit of transformative governance, institutional integrity, and people-driven progress for the benefit of the entire coconut industry and the Filipino people.

# ON STRATEGIC PLANNING


**Planning the Future: PCA Charts Strategic Blueprint for the Coconut Industry**

The Philippine Coconut Authority (PCA) is spearheading an era of transformation for the country's coconut industry, solidifying its role as a cornerstone of agricultural progress. Through its rigorous strategic planning initiatives, the PCA is driving innovation, fostering unity, and ensuring a prosperous future for the nation's coconut farmers. The agency's Planning Conferences and related initiatives in 2024 have cemented a blueprint for industry-wide advancement, reinforcing its mission to uplift Filipino coconut growers and make the coconut sector a model of agricultural excellence and economic sustainability.

**A Unified Vision: The PCA Midyear Conference**

Held from July 10-12, 2024, the PCA Midyear Planning and Performance Assessment Conference served as a crucial platform for aligning the agency's direction with national agricultural goals. Bringing together top management, regional directors, division heads, and representatives from key government agencies, the three-day conference underscored the importance of collaboration in addressing industry challenges and capitalizing on opportunities.

With the theme "Ka-isa ako sa pag-unlad ng PCA, Ka-isa ako sa pag-unlad ng industriya ng pagniniyugan, Ka-isa ako sa pag-unlad ng Bagong Pilipinas," the conference highlighted the power of collective action. The PCA, recognizing that progress is achieved through unity, launched strategic discussions and assessments aimed at strengthening its policies and programs. Central to these efforts was the presentation of the agency's Strategic Directions, anchored on national development policies and industry performance evaluation.

The conference also marked the launching of the 'BAYANIyugan' campaign, a rallying call for everyone in the coconut sector to embrace their roles as catalysts for change. This campaign encapsulates the Filipino spirit of bayanihan, a commitment to shared progress and responsibility. Through this initiative, the Authority aims to inspire not just its employees, but also farmers, industry partners, and policymakers to work hand-in-hand in elevating the coconut industry.

A major highlight was the review of PCA's ongoing programs, including hybridization efforts, Coconut Farmers and Industry Development Plan (CFIDP) projects, and sustainability measures. These efforts are geared toward ensuring that every coconut farmer benefits from improved yields, better market access, and enhanced livelihood opportunities. The agency's 7-Step Strategic Planning Process was also revisited to refine its implementation, reinforcing a data-driven, results-oriented approach.

**Building on Progress: The PCA Yearend Planning and Assessment Workshop**

As the year drew to a close, PCA convened its Yearend Assessment and Planning, marking another crucial step in its mission to advance the coconut industry. This two-part initiative, which began with a Pre-Planning Workshop on November 20-21, laid the foundation for the main event in December by assessing the agency's performance and refining its operational framework for 2025.

One of the major milestones achieved during the workshop was the finalization of the PCA's Annual Operational Plan (AOP) for 2025-2026. This plan ensures that every initiative aligns with the agency's long-term vision, enhancing efficiency and fostering a unified approach to service delivery. The PCA chief underscored the importance of this planning phase, underscoring the agency's commitment to operational excellence.

The PCA also intensified its push toward institutionalizing quality management systems, setting its sights on securing the ISO 9001:2015 certification nationwide by 2025. Beyond this, the agency is eyeing the prestigious Malcolm Baldrige framework for the Philippine Quality Award, an ambitious step toward establishing PCA as a benchmark for governance and service excellence.

**Strategizing for a Thriving Future**

The planning initiatives spearheaded by the agency go beyond routine assessments; they represent a steadfast commitment to shaping the future of the coconut industry. Through continuous evaluation and strategic realignment, the agency ensures that every decision translates into tangible benefits for coconut farmers. The PCA's approach is holistic, integrating sustainability, innovation, and collaboration to create a thriving, competitive coconut sector.

From refining its Risk Management Plan to implementing a strengthened Monitoring and Evaluation System, PCA's initiatives reflect a forward-thinking mindset. The agency recognizes that to build a resilient coconut industry, it must equip farmers with modern agricultural technologies, strengthen market linkages, and champion inclusive growth strategies.

The BAYANIyugan campaign remains at the heart of PCA's mission, reminding every stakeholder that nation-building starts with the hands that nurture the land. Coconut farmers are the unsung heroes of the industry, and through the Authority's unrelenting efforts, they are now at the forefront of agricultural development.

As the Philippine Coconut Authority plans for the future; it also actively shapes it. Every strategy, every initiative, and every collaboration is a step toward a stronger, more resilient coconut industry. PCA stands firm in its commitment to delivering transformative change, one that empowers farmers strengthens communities, and secures the nation's position as an agricultural powerhouse—this is a reality within reach.

# Collaborations and Partnerships

**PCA Leads Strategic Meeting with CDA, LBP, DBP to Empower Coconut Farmers' Cooperatives**

In a determined effort to bolster farmers' cooperatives, the Philippine Coconut Authority (PCA) convened with representatives from the Cooperative Development Authority (CDA), Land Bank of the Philippines (LBP), and Development Bank of the Philippines (DBP) on July 16, 2024.

Key topics discussed included the formation of robust cooperatives, achievable only through the collective efforts of the Coconut Farmers and Industry Development Plan's (CFIDP) Implementing Agencies (IAs). The team outlined a series of actionable solutions that PCA is committed to implementing which include the development of community organizers nationwide, who will spearhead a series of training sessions in each region. These trainings will cover crucial areas such as financial literacy, bookkeeping, business plan development, cooperative formation and organization, accreditation processes, loan policies and mechanisms, compliance requirements, among others.

Launched in August under the leadership of PCA Administrator and CEO Dexter R. Buted, these initiatives mark the beginning of a transformative journey for the coconut farming community. In collaboration with the IAs, PCA plans to host a Cooperative Congress, showcasing exemplary cooperatives that serve as models of cooperation, unity, and best practices. These stories of success will provide invaluable insights for other cooperatives nationwide.

Forming strong farmers' cooperatives is pivotal in empowering coconut farmers, providing them with the resources and knowledge needed to thrive. This collaborative effort aims to create a sustainable and prosperous future for the coconut industry, ensuring that every farmer benefits from the strength of a united cooperative. By fostering cooperation and unity among farmers.


**PCA IN ACTION: Industry Stakeholders Unite at 13th National Palm Oil Congress**

Driven by its mandate to champion the palm oil industry, the Philippine Coconut Authority (PCA) participated in the 13th National Palm Oil Congress in Davao City on August 14-15, 2024.

Hosted by the Philippine Palm Oil Development Council, Inc., the congress brought together key stakeholders, including palm oil planters, cooperatives, millers, refiners, corporations, government agencies, and local government units, to engage in strategic discussions and planning. The event aimed to foster innovative and actionable solutions to pressing challenges while strengthening business linkages to ensure a sustainable and thriving palm oil industry.

PCA, represented by Administrator and CEO Dr. Dexter R. Buted, alongside Regional Manager Juvy T. Alayon (Region XII), underscored the agency's pivotal role in the sector. As the sole government entity mandated to spearhead the development of the coconut and palm oil sectors, the PCA remains at the forefront of efforts to maximize the potential of the "golden crop"—uplifting the economy, creating jobs, and transforming the lives of Filipino farmers nationwide.

Administrator Buted highlighted the newly crafted industry roadmap, developing the Philippine Palm Oil Industry Roadmap 2024-2033—a comprehensive blueprint created in close collaboration with industry stakeholders. This roadmap will serve as a strategic manifesto guiding our collective efforts to elevate the palm oil industry to unprecedented heights.

The PCA chief's direct engagements with industry stakeholders upheld the Authority's dedication to actively listening and responding to on-ground concerns. These pivotal discussions not only strengthened PCA's leadership position but also harmonized industry objectives with government strategies. Moreover, they paved the way for potential partnerships and collaborations, ensuring that the industry's needs are effectively addressed.

The two-day congress served as a crucial platform for stakeholders to discuss the Philippines' position on the global stage. It facilitated the exchange of best practices, technological advancements, innovations, and development initiatives within the industry. Financing programs and potential areas for collaboration between the government and the private sector were also explored, with presentations from invited resource speakers providing valuable insights.

A standout feature of the congress was an exhibit showcasing a diverse array of products, services, and resources from key stakeholders in the palm oil sector. This showcase not only spotlighted cutting-edge innovations but also actively promoted trade and business matching. By facilitating direct interactions between industry participants, the exhibit bolstered opportunities for strategic partnerships and collaborative ventures, driving forward growth and synergy across the palm oil industry.

The 13th National Palm Oil Congress underscored the critical importance of a unified approach to advancing the palm oil industry in the Philippines. As the PCA continues to drive innovation and collaboration, the momentum generated at this congress is set to propel the sector toward sustainable growth, economic prosperity, and improved livelihoods for countless Filipino farmers.

The PCA's unwavering commitment to the industry not only strengthens the palm oil sector but also reinforces its integral role in the broader agricultural landscape of the nation.


**PCA Kicks Off 2024 Coconut Week Celebration with Festive Launch and Nationwide Initiatives**

In a celebration marked by the festive beat of drums, colorful flags, and vibrant cultural performances, the Philippine Coconut Authority kicked off its 2024 Coconut Week Celebration on August 27 at the PCA headquarters.

The event celebrates 38 years of honoring the industry's contributions to the nation's economy and gathers key stakeholders and valued partners, including representatives from the Department of Agriculture, led by Undersecretary Roger V. Navarro, standing in for Secretary Francisco Tiu Laurel, Jr. Key figures from the Coconut Farmers and Industry Development Plan (CFIDP) implementing agencies and industry leaders also participated, all of whom played a role in launching new initiatives aimed at strengthening the coconut sector.

The weeklong celebration featured several activities, including the Coconut Culinary (Cocolinary) Presentation on August 27 at the PCA Central Office, the Nationwide Simultaneous Coconut Planting Activity on August 28, the Coconut Research & Development Webinar TechnoClinic via Zoom on the same day, the Symposium on the Benefits of Coconut Products on August 29-30 at the Philippine International Convention Center (PICC), and the Awards and Recognition Night on August 30.

National Coconut Week is rooted in Proclamation No. 142, Series of 1987, which designates the last week of August as a time to honor the enduring existence of the coconut industry. This annual event pays tribute to the farmers, workers, traders, processors, and policymakers who contribute to the industry's growth and underscores its lasting significance to the nation's economic and social fabric.

A major highlight of this year's celebration is the nationwide simultaneous coconut planting activity, a key undertaking by the PCA to secure the long-term supply of coconut—a critical component of the country's food security and sustainability efforts. This initiative is aligned with President Ferdinand R. Marcos, Jr.'s directive to reinvigorate the coconut industry by planting 100 million coconut trees by 2028, reinforcing the administration's commitment to revitalizing the industry and ensuring its sustainability.

This celebration is not just a reflection of the past 38 years but a powerful statement of the unity and strength driving the industry forward. The PCA's efforts, in collaboration with its partners, promise a brighter and more sustainable future for the coconut industry and the millions of Filipinos who depend on it.

As the 2024 Coconut Week unfolded the PCA calls on all stakeholders and the Filipino public to participate in the nationwide planting activity on August 28, symbolizing a collective commitment to the future of the coconut industry and the nation's agricultural resilience.

*(left to right) RM Denis Andres, DA Roy Devesa, DM Ma Odessa Pacaul, DA Roel Rosales, Dir Reynaldo Ebora and Dr. Fabian Dayrit represented the Philippines at the 60th ICC in Colombo, Sri Lanka*

**Philippines Champions Global Coconut Industry Agenda at 60th ICC Session in Sri Lanka**

The Philippines, a global leader in coconut production and exports, participated in the 60th Session and Ministerial Meeting of the International Coconut Community, hosted by the Government of Sri Lanka on November 25-28, 2024 at the Hilton Hotel, Colombo, Sri Lanka.

This prestigious four-day event gathered ministers and delegates from ICC member countries, along with representatives from international partner and observer organizations. Leading the Philippine delegation was Mr. Roel M. Rosales, Deputy Administrator for Operations of the Philippine Coconut Authority (PCA), as the designated Plenipotentiary. Joining him were Mr. Roy T. Devesa, Deputy Administrator for Research and Development; Mr. Dennis D. Andres, Regional Manager for Regions III and IV-B and Acting Department Manager for the Program Management Office; and Ms. Ma. Odessa M. Pacaul, Department Manager of the Corporate Planning Service. Dr. Reynaldo V. Ebora, Executive Director of the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD), and Dr. Fabian M. Dayrit, member of the ICC Scientific Advisory Committee on Health, also represented the Philippines in this global gathering.

The ICC, established in 1969 under the United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP), comprises 21 member countries responsible for over 90% of the world's coconut production and exports. These nations span Asia, the Pacific, the Caribbean, Africa, and South America, making the ICC a vital platform for shaping the future of the global coconut industry.

Mr. B.K. Prabath Chandrakeerthi, Secretary of the Ministry of Plantation and Community Infrastructure, highlighted Sri Lanka's rich coconut heritage and its central role in the nation's economy and culture. He emphasized the importance of this gathering, which brought together a diverse group of policymakers, industry leaders, researchers, farmers, and stakeholders to collectively shape the future of the coconut industry.

Dr. Jelfina C. Alouw, Executive Director of the ICC, expressed gratitude to the Government of Sri Lanka for their hospitality and acknowledged the presence of delegates from member countries and representatives from 11 international organizations. Dr. Alouw also underscored the importance of the session as a platform to share insights on national programs, explore growth opportunities, address shared challenges, and collaborate on solutions. She expressed her hope that the session would inspire valuable collaborations and transformative actions, advancing the ICC's mission to new heights.

Furthermore, the Hon. Samantha Vidyarathne (MP), Minister of Plantation and Community Infrastructure, officially opened the event. In his address, the Minister emphasized the entrenched history of the coconut industry in Sri Lanka and its significance to the nation's economy, culture, and daily life. He called for international cooperation and the adoption of modern technologies to overcome challenges and drive the industry's future growth.

Representing the Philippines, Mr. Rosales presented the Philippine Coconut Development Agenda together with other plenipotentiary delegates from Côte d'Ivoire, Fiji, India, Indonesia, Jamaica, Kenya, Papua New Guinea, Tonga, Malaysia, Marshall Islands, Kiribati, Sri Lanka, Solomon Islands, Thailand, Timor Leste, and Vanuatu. In his talk, Mr. Rosales showcased the nation's leadership as the world's largest coconut plantation, leading producer and exporter of CNO. He also discussed the government's initiative in alleviating the plight of coconut farmers in the Philippines through the Coconut Farmers Industry Development Program (CFIDP). The country reports addressed a diverse array of subjects, including strategies for enhancing farm productivity and increasing farmers' income, as well as reforestation and rehabilitation programs.

The event also included a field trip to prominent sites, such as BotaniCoir, CLB Foods, and the Sri Lanka Coconut Research Center, providing delegates with firsthand insights into the host country's coconut industry innovations.


**PCA Partners with Sustainable Coconut Partnership for International Roundtable on Coconut Sustainability**

The Philippine Coconut Authority, in collaboration with the Sustainable Coconut Partnership, successfully hosted the Sustainable Coconut Roundtable 2024 from September 23-28, 2024, at the Sheraton Hotel Manila. The international event galvanized more than 200 participants: buyers, traders, coconut farmers, and advocates, from across Europe, the United States, Indonesia, Spain, the Philippines, and beyond, all unified in advancing the global coconut industry's sustainability agenda and market competitiveness.

During the event, Ms. Ma. Odessa M. Pacaul, Department Manager of the Corporate Planning Service representing PCA Administrator Dexter R. Buted, presented the Philippine Coconut Sustainability Roadmap. The presentation serves as a blueprint designed to propel the country's coconut sector to new heights of sustainability and competitiveness; it outlines the country's strategic plan to integrate sustainable practices, boost market access, and establish the Philippines as the leader in global coconut production.

PCA's presence was robust, with Regional Managers, Department Heads, and a strong contingent of 72 delegates from the Project Management Office (PMO). The gathering highlighted the critical role of collaboration in addressing industry challenges and capitalizing on emerging opportunities in the global coconut market.

Addressing the high-powered audience, Ms. Pacaul elaborated on the Authority's comprehensive approach to strengthening the coconut sector:

By developing the market and industry competitiveness, an interlink of various programs and activities will be undertaken involving trade and market information, research and development, production support, compliance with trade and market requirements and regulations, enterprise development and investment management, risk analysis, and communication. These efforts pave the way for B2B and G2G market access, ultimately leading to the opening of new markets and the expansion of existing ones. Compliance is deemed a requirement for market promotion.

The event also showcased the industry's ongoing transformation, with a focus on sustainability initiatives aimed at benefiting the entire value chain, from farmers to enterprises and consumers.

Ms. Pacaul underscored the significance of these initiatives for positioning the Philippines as a global leader in coconut production that are geared towards the realization of a sustainable and resilient coconut industry with empowered and prosperous coconut farmers, thriving enterprises, and satisfied consumers. Through these initiatives, it is our mutual benefit to show to the world that the Philippines is the best source of coconuts and the most reliable and sustainable coconut product supplier.

The Sustainable Coconut Roundtable 2024 was a platform for discussing innovative solutions to global coconut industry challenges, creating pathways for new partnerships, and expanding market access. The event highlighted the Authority's commitment to developing a sustainable coconut industry and contributing to the economic growth of the Philippines through strategic international collaborations.

As the conference wrapped up, the PCA reaffirmed its dedication to supporting coconut farmers, promoting market access, and showcasing the Philippines as a sustainable coconut producer on the world stage.


**PH Agriculture Unites for Resilience and Sustainability at National CoCaNut Congress 2024**

Agriculture leaders, farmers, and stakeholders from across the Philippines gathered at the Iloilo Convention Center from November 6 to 8 for the National Coffee, Cacao, and Coconut (CoCaNut) Congress 2024. Organized by the POPA Agriculture Cooperative in partnership with the Iloilo City Government, Iloilo Provincial Government, and regional agricultural institutions, the event featured the theme, "Resilient and Sustainable Agriculture in Changing Climates," emphasizing the urgent need for sustainable agricultural practices in a warming world.

With over 1,000 participants, including producers, exhibitors, and representatives from universities, research institutions, SMEs, cooperatives, LGUs, and NGOs, the congress was set to be one of the largest gatherings focused on advancing the Philippine coffee, cacao, and coconut sectors. The congress featured a trade exhibition showcasing the latest in agricultural innovations, providing a platform for networking and knowledge-sharing among industry players.

In his remarks, PCA Administrator & CEO, Dr. Dexter R. Buted, highlighted the essential roles of coffee, cacao, and coconut in Philippine culture, economy, and their combined potential to drive sustainable agricultural development.

The PCA chief also underscored the urgency of adaptive strategies to mitigate climate-related risks in agriculture emphasizing that the climate crisis is no longer a distant threat and that erratic weather, extended droughts, and intensified storms are reshaping our agricultural landscape. The responsibility is clear that we must act now to safeguard the future of our farmers, our industries, and our planet.

The PCA presented several key initiatives under its Coconut Industry Sustainability Roadmap (2024-2028), which includes a goal to plant 100 million new coconut seedlings by 2028. Dubbed as its 'twin programs,' the PCA's Massive Coconut Planting and Replanting Program (MCPRP) and Coconut Fertilization Project are set to revitalize the coconut industry, boost productivity, and support sustainability.

Throughout the event, industry experts shared insights on advanced pest management technologies, improved genetic materials, and innovative techniques for enhancing crop resilience. The congress also included high-level discussions and collaborative panels on food security, climate-resilient farming, and market opportunities for coffee, cacao, and coconut in the international arena, setting a strategic course for sustainable growth.

During his brief stay in Iloilo City, the Administrator, accompanied by his team, held a strategic meeting with the PCA Regional Office, led by Regional Manager Neil J. Melencion (Region VI). The agenda centered on addressing pressing issues impacting the coconut industry in the Western Visayas.

The meeting, which became a key part of the chief's itinerary, aimed to make the most of his short stay. Regional representatives provided a comprehensive report covering industry statistics, ongoing projects, recent accomplishments, and financial challenges unique to the area. Administrator Buted assured the team that their concerns and field insights would play an essential role in shaping the PCA's central office strategies, recognizing the regional office's frontline experience with local farmers and stakeholders.

As the Philippine coffee, cacao, and coconut industries confront complex environmental and economic challenges, the CoCaNut Congress 2024 headlined the sector's vital role in advancing rural development and strengthening national economic resilience. The event energized stakeholders to push for innovative, climate-smart solutions, reaffirming a united commitment to building a sustainable, thriving future for Philippine agriculture.

**PCA, DOST Region 1, and Ilocos Norte Forge Partnership to Strengthen Salt and Coconut Industries**

San Nicolas, Ilocos Norte – The Philippine Coconut Authority (PCA), DOST 1 - Department of Science and Technology Regional Office No. 1, and the Provincial Government of Ilocos Norte have formalized a landmark collaboration to boost the coconut and salt industries through the signing of a Memorandum of Understanding (MOU) under the One Accelerating Salt Innovations (OneASIN) program on November 21, 2024.

This partnership, hailed as a pivotal stride for agricultural innovation, integrates the salt industry into PCA's Coconut Fertilization Project and their mutual benefits to agriculture and local communities, leveraging salt as an essential natural fertilizer to improve coconut yields. The collaboration ensures a sustainable market for locally produced salt while boosting the livelihoods of coconut and salt farmers in the region.

PCA Administrator Dr. Dexter R. Buted, Ilocos Norte Governor Matthew J. Marcos Manotoc, and DOST-1 Regional Director Dr. Teresita Tabaog underscored the importance of this partnership in their respective messages.

Dr. Buted hailed the agreement as a defining moment of unity between two essential pillars of Philippine agriculture. Through the partnership, the authority bind the salt and coconut industries into an alliance that will not only change lives but also uplift entire communities.

He further streamlined the critical role of salt as a natural fertilizer in PCA's Coconut Fertilization Project, a nationwide initiative aimed at enhancing the productivity and sustainability of coconut farms.

Under the MOU, the PCA commits to sourcing Agricultural Grade Salt Fertilizer (AGSF) from Ilocos Norte's salt producers empowered by the OneASIN program. The initiative aligns with the PCA's twin project of fertilization and replanting, aiming to revitalize coconut plantations while invigorating the local salt industry by providing salt farmers with a steady market while ensuring the availability of fertilizers for coconut growers.

Governor Manotoc expressed his gratitude for the collaboration, highlighting its alignment with the province's goals of economic empowerment and sustainable development, while Dr. Tabaog, the driving force behind OneASIN, underscored the program's focus on innovation and collaboration.

The event also featured technology presentationsshowcasing innovations in salt production, including advanced methods for sea salt processing, stationary cooking facilities for cooked salt, and techniques to ensure compliance with food safety standards. These technologies aim to modernize the industry, improve efficiency, and enhance the quality of locally produced salt.

The MOU complements other initiatives under the OneASIN program, including the establishment of SALT Hubs in Burgos and Pasuquin, Ilocos Norte. These hubs will serve as centers for research, training, and the production of value-added salt products, furthering the region's goal of becoming a leader in sustainable salt production.

The PCA chief recounted the Authority's earlier agreement with Pangasinan, which facilitated the distribution of 4,180 bags of AGSF, setting a precedent for regional collaborations. He also invited stakeholders to the upcoming Philippine Salt Congress in December, hosted by Pangasinan State University, to further discuss innovations and strategies for the industry.

The inked partnership between PCA, DOST-1, and Ilocos Norte demonstrates the whole-of-nation approach in action, harnessing the collective strengths of government, science, and community to achieve shared goals. As the coconut and salt industries grow hand in hand, this initiative sets a benchmark for innovation-driven, sustainable, and inclusive agricultural development in the country.

# Accomplishment of other OFAD Units
# Assessment and Monitoring Service

By virtue of PD 1468, as amended by PD 1854, the Assessment and Monitoring Service (AMS) is mandated to assess the PCA fees on various coconut-related activities, including purchases, domestic and export sales, production, and inventory of copra, husked nuts, and other coconut products subject to PCA fee assessment. To perform the mandate, AMS also conducts research and investigations on companies with overdue accounts or pending report submissions, and recommends legal actions when necessary.

As proof of the continued commitment to efficient fee collection strategies, the total PCA fee collection for CY 2024 has reached PhP 316,110,125.99 which presented a PhP 5.1 million increase from the projected target collection at around PhP 311 million.


To further streamline and enhance the collection and reportorial processes, the AMS organized the "PCA Fee Collection Re-Orientation Seminar and Workshop" that was held on December 4-5, 2025. It was participated by the regional Coconut Production Regulation Officers (CPROs) tasked with PCA fee collection. Furthermore, the activity intends to provide the attendees with the updated tools and strategies to improve service delivery towards addressing the long-standing issues on inefficient collection of PCA fees at the regional level.

# Legal Affairs Service

The Legal Affairs Service (LAS) plays a vital role providing legal services for the protection of corporate rights, interests and properties of PCA, ensuring legal compliance and supporting the effective implementation of PCA's programs, projects, and other initiatives.

**Provision of Legal Information and Advice**

In ensuring a clear understanding and adherence to the laws, rules, and regulations enacted and/or enforced by the PCA, LAS consistently provides legal information and counsel to coconut farmers, processors, traders, the general public, and its stakeholders. This includes queries pertaining to different programs and projects implemented by PCA, CFIDP implementation, coconut levy related inquiries, RA 8048 enforcement and requirements, and other administrative matters.

Furthermore, LAS, as a supporting unit of the PCA, fulfills its function through assisting different requesting PCA units for legal discussions on the new amendments to the provisions of the IRR of RA 8048.

*Figure 1. PCA Capiz Stakeholders Forum*

For CY 2024, the lectures conducted include: (1) PCA Capiz Stakeholders Forum, (2) Specialized Training Course on Coconut Agro-Technology, and (3) PCA Region X Mid-Year Assessment.

In August 27, 2024, the LAS, in collaboration with PCA - Capiz and PCA – Region VI, discussed the amendments to various Philippine National Police (PNP) units, Coconut Lumber Dealers and Processors, LGU Representatives, and Liga ng mga Barangay Presidents from every municipality in the province. (Figure 1)

A Specialized Training Course on Coconut Agro-Technology was also conducted on May 27 to June 5, 2024 at the PCA AgroHub Building in Quezon City. One of the objectives of the event is to strengthen the participants' knowledge on the implementation of PCA Coconut Productivity Programs and Projects and its legal issuances, where the salient provisions of RA 8048 and its IRR were discussed. (Figure 2)

*Figure 2. Specialized Training Course on Coconut Agro-Technology*

On June 18 to 20, 2024, during the PCA - Region X Mid-Year Assessment, the LAS, discussed the updates on RA 8048 and its IRR and the pertinent provisions of RA 11032, otherwise known as the Ease of Doing Business and Efficient Government Service Delivery Act of 2018.

*Figure 2. Specialized Training Course on Coconut Agro-Technology*

# Corporate Planning Service

The Corporate Planning Service (CPS), under the Office of the Administrator (OFAD), is responsible for the preparation of the corporate and strategic plan in close coordination with different branches, departments, and offices within the Authority.

The CPS provides recommendations in determining medium and long-term corporate strategies and objectives aligned with the national and sectoral development goals, and thrusts of the Administration. Aside from the preparation of plans and strategies, the CPS also undertakes monitoring and evaluation of programs/projects/services for information and in aid of decision-making of the top management and other relevant government agencies, and stakeholders.

For CY 2024, the CPS organized planning activities to facilitate the preparation of the Plan and Budget Proposals for the succeeding fiscal years, and ensure compliance with the GCG Performance Evaluation System (PES).

*DM Pacaul presented the Enhanced 5-Year PCA Strategic Plan the 2024 MidYear Planning Conference in Tagaytay City on July 2024.*

*DA Usec Cheryl Marie Caballero is the Keynote Speaker during the 2024 PCA Mid-Year Planning and Performance Assessment. Together with her is Admin Dexter Buted, DA Roy Devesa, DA Roel Rosales and DA Lucius Junjun Malsi.*

**PLANNING ACTIVITIES**

*2024 PCA Mid-Year Planning and Performance Assessment*
*10-13 July 2024*
*Summit Ridge Hotel, Tagaytay City*

The three-day planning workshop was conducted with the objective of evaluating the implementation of the PCA programs, projects, and activities towards the national development goals. The activity was guided by the theme, "BAYANIyugan: Ka-isa ako sa pag-unlad ng PCA, Ka-isa ako sa pag-unlad ng industriya ng pagniniyugan, Ka-isa ako sa pag-unlad ng Bagong Pilipinas". It was attended by the PCA key Officers and Employees including Regional and Center Managers, and resource persons from the Department of Agriculture (DA), Governance Commission for GOCCs (GCG), and other industry stakeholders.

The activity centered on evaluating the implementation of PCA programs concerning their target timelines and deliverables. It aimed to identify challenges and gaps, align strategies, and develop targeted intervention programs to address key concerns. Additionally, the assessment sought to refine implementation details, ensuring more effective and streamlined program execution. Ultimately, the discussions and output of the activity has provided specific details in the preparation of the FY 2025 targets and budget.

Also discussed during the activity were the Proposed Enhanced Five-Year Strategic and Development Plan, Review of the Mission, Vision, Core Values statements, the Introduction of the Annual Operational Plan and Balanced Scorecard, the Proposed Risk Management Plan, and Guidance on the Preparation of the FY 2025 Work and Financial Plans.

**Regional Planning Cascading Activities**

Following the 2024 Mid-Year Planning and Performance Assessment, CPS was invited as Resource Speaker for Annual Operational Planning and Risk Management Planning Activities in the Regional Offices. CPS participated in the planning activities of the regional offices who have requested assistance in further discussing the topics at the provincial level. Specifically, the CPS attended the following activities:

| Date | Activity | Region | Venue |
|---|---|---|---|
| July 24-26, 2024 | Annual Operational Planning Workshop | X and XIII | Duka Bay Resort, Medina, Misamis Oriental |
| July 31-August 4, 2024 | Regional Planning Workshop | VI | Citadines Amigo Hotel, Iloilo City |
| August 21-25, 2024 | FY 2025 Annual Operational Plan Orientation | XI, XII and BARMM | Bongao Tawi-Tawi |
| November 4-5, 2024 | Regional Planning Activity of PCA | I,II and CAR | Sta. Barbara Pangasinan |
| November 6-8, 2024 | Cascading of Strategic Performance Management System (SPMS) and Strategic Planning for CY 2025 | IV-A | IPM Farmers Hall, PCA Compound, Lucena City |

**2024 PCA Year-end Assessment and Planning Workshop**

As for the Year-end planning and assessment which was conducted into two (2) parts to ensure that participants were able to prepare proposed plans that are detailed and well-informed.

**a) Pre-Planning Workshop, November 20-21, 2024, PCA Agrohub Building**

The Pre-Planning Workshop served as a preparatory phase to align priorities and ensure consistency of the targets across various PCA units. The activity was attended by Division Chiefs, Project Development Officers, Technical Officers, and Budget Officers from the Regional and Research Center Offices.

The workshop focused on four key areas: (1) reviewing PCA's five-year strategic plan, (2) preparing the Annual Operational Plan, (3) updating the PCA Risk Register, and (4) ensuring effective implementation of the PCA Monitoring and Evaluation System. This preparatory stage is essential to gather the necessary data, insights, and preliminary plans, setting the foundation for a more cohesive and informed planning process.

**b) Year-end Assessment and Planning proper, December 9-10, 2024, Sequoia Hotel, Quezon City**

At this phase, the attendees included participants from the Central Office, namely, the PCA Board Farmer Directors, Deputy Administrators, Department Managers, Division Chiefs. As for the Regional Offices and Research Centers, the attendees were Regional Managers, Department Managers, Project Development Officers, and Accountants.

*PCA Board Member representatives Director Flor Olivar, Director Pepito Capangpangan and Director Frank Roy Ribo shared relevant insights and inputs during the 2024 Year-End Planning Conference. Also in photo are the Regional Managers, Research Center Managers and Deputy Administrators.*

The Year-End Assessment and Planning Proper was based on the outcomes of the pre-planning stage. It was a platform for collective assessment of the 2024 performance, addressing operational gaps, and finalizing strategic plans for the upcoming year. The assessment focused on evaluating the effectiveness of project implementation and financial management, while the planning component presented the strategic direction for the coming year, ensuring its alignment with PCA's overarching objectives.

**FY 2025 BUDGET PREPARATION ACTIVITIES**

Synchronous to the various Planning activities, the CPS has provided substantial assistance during the preparation and deliberations of the FY 2025 Plan and Budget Proposal, in coordination with the different Branches and units of PCA.

The Plan and Budget preparation is a year-long activity which involved several activities such as submission of relevant documents, coordination activities, and participation in various technical budget review, workshops and hearings conducted by oversight offices such as the DBM, DA, the House of Representatives, and the Senate of the Philippines, towards the approval of the FY 2025 GAA.

*The Planning and Budget Team during FY2024 Budget Hearing*

*CEO and Administrator Dexter R. Buted together with DA for Operations Roel Rosales, RM and Acting DM for PMO Dennis Andres, DM for Corporate Planning Service Ma. Odessa Pacaul and Acting Division Chief for Health and Medical King Arrvi Gaspar during the FY2024 Budget Meeting of the House of Representatives .*

**GCG COMPLIANCES AND ACTIVITIES**

The CPS is also the focal point of the GCG on matters related to the preparation of the proposed CY 2025 Performance Scorecard and the CY 2024 PES Monitoring Report. Per GCG Memorandum Circular 2024-01, the PES sets the process for appraising accomplishments according to an approved performance targets, criteria, and weights in a given year. GOCCs are monitored and approved per a GCG-approved Performance Scorecard for a given year. Furthermore, PES provides a framework for setting the organizational targets of a GOCC, which is the basis in granting of the Performance-Based Bonus and Performance-Based Incentives, and Collective Negotiation Agreement (CNA), among others.

**CY 2024 Performance Target Conference**

On March 27, 2024, the Performance Target Conference (PTC) was held at the GCG Office in Makati City, where the final performance targets of the Agency were presented followed by a ceremonial signing and transmittal of the Approved CY 2024 Performance Scorecard of the Authority was convened.

The said event was attended by the GCG Chairperson, Atty. Marius P. Corpus, GCG Commissioner, Atty. Brian Keith F. Hosaka, and members of the GCG Corporate Governance Office (CGO-B) Agriculture Division. PCA was represented by its then newly-appointed CEO/Administrator Dexter R. Buted, accompanied by Deputy Administrators Roel M. Rosales, Atty. Lucius Jun-Jun G. Malsi, Roy T. Devesa, and CPS Officer-In-Charge, Mary Grace Piencenaves.

**Validation of the CY 2023 PES Monitoring Report**

*a) Central Office*

On April 12, 2024, the CPS, as GCG focal point, met with the GCG representatives for the On-Site Validation Meeting at the PCA Central Office regarding the accomplishments submitted in the CY 2023 PES Monitoring Report. The GCG was represented by Mr. Samuel Concerman II, OIC CGO V and staff while Ms. Mary Grace Piencenaves, Officer-In-Charge of CPS, Ms. Karla Borromeo, Planning Officer III, and Ms. Jamae Santos, Technical Staff facilitated the validation with the cooperation of the concerned PCA Offices.

The first part of the meeting was a desk review with the representatives from GCG to clarify technicalities on the submissions. After the conduct of the desk review, the GCG team proceeded to the on-site visit to the concerned PCA offices to further discuss the details of specific measures, require additional supporting documents, and provide guidance and instructions in relation to the reports submitted. The GCG team was accommodated by the Deputy Administrators, Department Managers, and staff of the Operations Branch, Administrative and Finance Branch, and the Research and Development Branch during the on-site visit and validation.

*b) Region V and Albay Research Center*

Further to the On-Site Validation in the PCA Central Office was an On-Site visit of the GCG team to PCA Region V and the Albay Research Center. The activity was held from April 16-19, 2024 where the GCG team led by Mr. Samuel Concerman II, OIC CGO V, together with Karla Borromeo, Planning Officer III from CPS were welcomed by Atty. Marlon B. Terrado, Acting Regional Manager of Region V and Dr. Cristeta A. Cueto, Department Manager of Albay Research Center.

The activities during the field validation involved an on-site visit to the regional office/research center and a validation meeting to discuss the respective accomplishments that are contributory to the CY 2023 PES monitoring report. Specifically, two (2) full days, one for each, was allotted for the on-site visit and validation of the PCA Albay Research Center in Guinobatan, Albay and the PCA Bicol Office in Legazpi City, Albay.

**Technical Panel Meeting (TPM) of the CY 2025 Proposed Scorecard**

The CPS facilitated various consultation meetings in the preparation of the CY 2025 Proposed Scorecard of PCA in coordination with the Deputy Administrators and the PES Technical Working Group. Consequently, the Proposed Scorecard was presented to the PCA Board for approval and submitted to the GCG accordingly.

In December 20, 2024, the GCG conducted the Technical Panel Meeting led by Atty. Orlando Polinar, Director IV of Corporate Governance Office-B, to discuss clarificatory matters in PCA's submission for the CY 2025 Proposed Scorecard, where the PCA technical panel provided all necessary information and materials relevant to the performance measures and targets discussed.

The TPM concluded with the guidance and instructions from the GCG in finalizing PCA's CY 2025 Performance Scorecard.

# Information Management System Unit

**Systems Development**

In line with the PCA's Information Systems Strategic Plan, the Information Management Systems Unit (IMSU) was able to develop four (4) information system (IS) and enhanced one (1) existing system.

In addition to the developed and enhanced IS, IMSU have likewise implemented six (6) IS in 2024.

| Name of System | Status |
|---|---|
| NCFRS Dashboard, Trade and Market Information System (TMIS) Phase 1, Property Management System, Document Management System (DMS) | **Developed and implemented** |
| Human Resource Information System (HRIS) | **Enhanced** |
| Document Tracking System (DTS) | **Implemented** |

As for IT Infrastructure and Cybersecurity, IMSU have also implemented the Secured Sockets Layer (SSL) security protocol to the on-premise information systems for data loss protection and added security.

**NCFRS**

Moreover, in 2024, IMSU have developed the NCFRS Dashboard to simplify several NCFRS and CFIDP related task. The dashboard provides several features/services which includes downloadable NCFRS, CFIDP eligible masterlist, CFIDP eligibility checker, farmer profile viewer, statistical charts and tables, NCFRS/CFIDP certificate, farmer listing for barangay posting, thematic maps, farmer and farmer's dependent search engine among others. The said dashboard is currently being used in the PCA CO, and Regional/Provincial Offices, and by several CFIDP implementing agencies.




# CFIDP-PMO HIGHLIGHTS

# PCA as an IA of CFIDP

## COCONUT HYBRIDIZATION - OPERATIONS (DA-PCA)

**Hybrid Seednut Production**

**1.5M**

Coconut Palms Hybridized
*Target: 3.3M*
*Accomplishment: 45%*

**Communal Nursery Establishment**

**131**

Communal Nurseries Established
*Target: 277*
*Accomplishment: 47%*

**Strategic Planting and Replanting**

**729,279**

Hybrid Seedlings Planted
*Target: 1.27M*
*Accomplishment: 57%*

**Seedfarm Establishment**

**13,641**

Hectares planted and/or maintained
*Target: 15,353 | Accomplishment: 89%*

**Precision Farming Through Nutrient Support**

**500,749**

Hybrid Palms Fertilized
*Target: 577,560 | Accomplishment: 87%*

## COCONUT HYBRIDIZATION – RESEARCH (DOST-PCAARRD)

**Ongoing Research Projects Monitored**

**37**

Research Projects
*Target: 55*
*Accomplishment: 67.3%*

# Health and Medical

## SOCIAL PROTECTION HEALTH AND MEDICAL PROGRAM (DA-PCA)

1

**Hospitalization and Medical Care Assistance**

Provision of necessary **subsidy and assistance to hospital bills and out-of-pocket expenses** for farmers and their dependents.

2

**Mobile Health Services**

Provision of **free medical consultation**, including laboratory and diagnostic tests, and medicines to coconut farmers in **Geographically Isolated and Disadvantaged Areas (GIDA)** in coordination with NGOs, Industry Partners, LGUs, among others. This is to ensure that farmers and their dependents maintain good health and prevent the development of serious illnesses.

**4,048**

**Coconut Farmers reached and participated in the CFIDP Health Survey**
*Target: 6,500 CFs*
*Accomplishment: 62%*

**4 MOAs**

**Prepared for consideration**
(DOH, PhilHealth, DSWD, and PCSO)

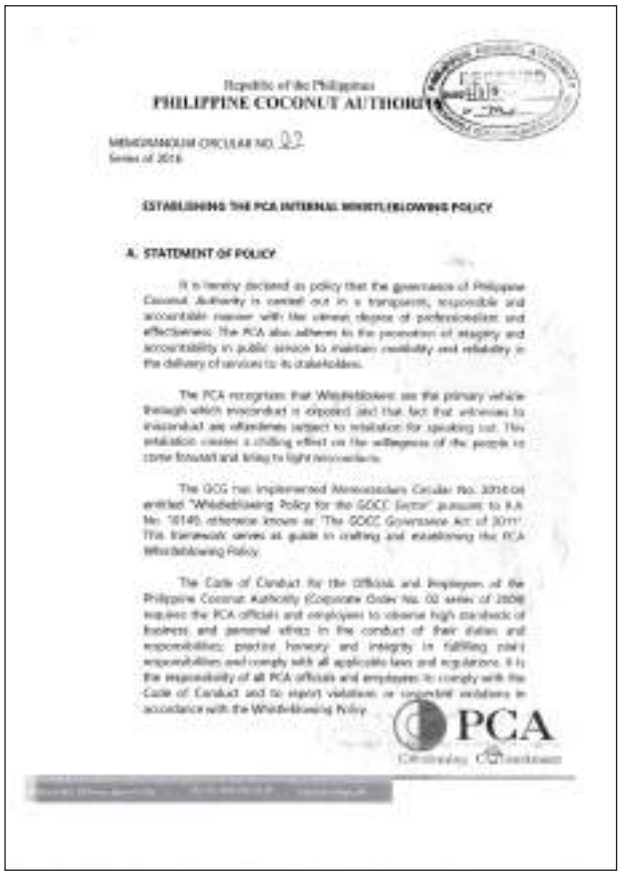
**26**

**Social Workers Hired** to (a) assist the coconut farmers in acquiring medical services from partner government agencies/ institutions, (b) conduct survey on the common health problems of the coconut farmers, and (c) establish network with partner hospitals

# Whistleblowing Policy

Board Resolution No. 034-2016, "Approving the Whistleblowing Policy," was approved by the PCA (Governing) Board on 17 March 2016. This resolution has been considered the most effective way to reduce the impact of fraud and serious misconduct. The Board Resolution and Whistleblowing Policy of the PCA are hereto attached as Annex A and Annex B, respectively.

In order to properly implement the aforementioned Board Resolution, the PCA Board has issued Memorandum Circular No. 02, Series of 2016, which provides explicit details regarding the actual procedures of the whistleblowing policy. The PCA Management is still implementing its provisions up to this date. The Memorandum Circular is hereto attached as Annex B.



Republic of the Philippines
PHILIPPINE COCONUT AUTHORITY

MEMORANDUM CIRCULAR NO. 02
Series of 2016

ESTABLISHING THE PCA INTERNAL WHISTLEBLOWING POLICY

A. STATEMENT OF POLICY

It is hereby declared as policy that the governance of Philippine Coconut Authority is carried out in a transparent, responsible and accountable manner with the utmost degree of professionalism and effectiveness. The PCA also adheres to the promotion of integrity and accountability in public service to maintain credibility and reliability in the delivery of services to its stakeholders.

The PCA recognizes that Whistleblowers are the primary vehicle through which misconduct is exposed and that fact that witnesses to misconduct are oftentimes subject to retaliation for speaking out. This retaliation creates a chilling effect on the willingness of the people to come forward and bring to light misconducts.

The GCG has implemented Memorandum Circular No. 2014-09 entitled "Whistleblowing Policy for the GOCC Sector" pursuant to R.A. No. 10149, otherwise known as "The GOCC Governance Act of 2011". This framework serves as guide in crafting and establishing the PCA Whistleblowing Policy.

The Code of Conduct for the Officials and Employees of the Philippine Coconut Authority (Corporate Order No. 02 series of 2009) requires the PCA officials and employees to observe high standards of business and personal ethics in the conduct of their duties and responsibilities; practice honesty and integrity in fulfilling one's responsibilities and comply with all applicable laws and regulations. It is the responsibility of all PCA officials and employees to comply with the Code of Conduct and to report violations or suspected violations in accordance with the Whistleblowing Policy.

PCA

OFFICE OF THE PRESIDENTIAL ASSISTANT
FOR FOOD SECURITY AND AGRICULTURAL MODERNIZATION
PHILIPPINE COCONUT AUTHORITY

BOARD RESOLUTION NO. 034-2016

APPROVING THE PCA WHISTLEBLOWING POLICY

**WHEREAS,** in compliance with GCG Memorandum Circular No. 2014-09 entitled "Whistleblowing Policy for the GOCC Sector", Management formulated a PCA Internal Whistleblowing Policy which is one of the best means of reducing the impact of fraud and serious misconduct.

**NOW, THEREFORE, BE IT RESOLVED THAT,** per recommendation of Management as contained in Memorandum dated 7 March 2016 referred herein as Annex "A" and made an integral part of this resolution, the proposed PCA Whistleblowing Policy, **BE APPROVED** subject to inclusion of the following, viz: a) Rights and Duties of the whistleblower; (b) Confidentiality of identity of the whistleblower; (c) Subject matter of disclosure; (d) Under what conditions can the whistleblower be compelled to testify; (e) Unprotected disclosures; and (f) Incentives for the whistleblower.

**RESOLVED FURTHER,** that the Officer-in-Charge is **AUTHORIZED** as he is hereby **AUTHORIZED** to issue circular hereof.

Done this 17th day of March 2016 in Diliman, Quezon City.

PRUDENCIO C. GUIZA
Chairperson

DANILO A. ANTONIO
Member

PORFIRIO A. BATUGAL
Member

EDGCIO G. DELA TORRE
Member

RUPERT P. BARUCAH
Member

**Philippine Coconut Authority**

# PCA Performance Scorecard for FY 2024 (Initial Rating: 90.78%)

| Strategic Objective (SO)/ Strategic Measure(SM) | | Formula | OPR | Weight | Rating System | Targets for 2024 | | | | | GCG Validated Rating 2023 | 3rd Qtr 2024 Rating | FY2024 Rating | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | Annual | | | | |
| **SO 1: Increased Farm Productivity and Income (39)** | | | | | | | | | | | | | | |
| SM 1 | Average Nut Yield of Coconut Palms per Year (nuts/tree/year) | Total nuts produced / Total mature coconut palms | OB/FOD | 7 | Actual over target | Conduct of periodic assessment | Conduct of periodic assessment | Conduct of periodic assessment | 90 | 90 | 6.34% | **6.12%** | **6.77%** | An average nut yield/tree/year of 87 (97% of 90) was recorded for 2024. |
| SM 2 | Survival Percentage of Coconut Seedlings Planted in the Last Three (3) Years | Total Number of Subsisting Coconut Trees by End of the Year / Total Number of Coconut Seedlings Planted in the Last Three (3) Years | OB/FOD | 10 | Actual over target | Conduct of survey on the survival | Conduct of survey on the survival | Conduct of survey on the survival | 93% | 93% | 7.00% | **9.85%** | **10.00%** | An average of 93% survival rate (100% of 93) was recorded for 2024. |
| SM 3 | Survival rate of oil palm seedlings | Percentage of oil palm seedlings planted from 2020-2022 | OB/ OPOSCPD | 4 | Actual over target | Monitoring and evaluation | Monitoring and evaluation | Monitoring and evaluation | 90% | 90% | | **4.00%** | **4.00%** | An average of 98.98% (>100% of 90) survival rate was recorded for 2024. |
| SM 4 | CFIDP - Development of Coconut Hybrid Farms | | | | | | | | | | | | | |
| | a. Number of Hybrid Seednuts Produced | Absolute Number | PMO/OB/ FOD | 3 | Actual over target | 528,000 | 627,000<br>*1,155,000* | 924,000<br>*2,079,000* | 1,221,000<br>*3,300,000* | 3,300,000 | 0.88% | **1.46%** | **1.36%** | A total of 1,499,128 (45% of 3,300,000) seednuts were produced for 2024. |
| | b. Number of communal nurseries established | Actual Number | PMO/OB/ FOD | 2 | Actual over target | 50 | 57<br>*107* | 77<br>*184* | 98<br>*282* | **282** | 1.08% | **0.89%** | **0.82%** | 115 sites or 41% of 282 target communal nurseries were established for 2024. |
| | c1. Area (ha) Planted Area (ha) Planted with Coconut Seedlings | | | | | | | | | | | | | |
| | c1a. Area (ha) Planted to Hybrids CY 2024 Allocation<br>c1b. Area (ha) Planted to Hybrids (CY 2023 Carry Over Target) | Actual Area Planted to Hybrids<br>Actual Area Planted to Hybrids | PMO/OB/ FOD<br>PMO/OB/ FOD | 1<br>1 | Actual over target<br>Actual over target | Nursery Operations<br>1,911<br>*1,911* | Nursery Operations<br>N/A | 3,301<br>N/A<br>*5,212* | 3,692<br>N/A<br>*8,904* | 6,993<br>1,911<br>**8,904** | 0.23% | **0.70%** | **1.36%** | For 4c1a = 2,490 out of 6,993 (36%),<br>For 4c1b = 2,681 out of 1,991 (>100%) |
| | c2. Area (ha) Planted to OPV Seednuts as Parental Palms | Actual Area Planted to OPV Seednuts | PMO/OB/ FOD | 1 | Actual over target | Nursery Operations | 8,879 | 5,920<br>*14,799* | N/A | **14,799** | | **0.44%** | **1.00%** | A total of 16,543 (>100% of 14,799) hectares were planted with OPVs for 2024. |
| SM 5 | Increase in Average Annual (Gross) Income of PCA-assisted Farmers per Hectare | | | | | | | | | | | | | |
| | a. coconut | Average Income of Farmers (Income for copra is based on the average of CY 2020-2021) | OB/FOD | 5 | Actual over target | Conduct of farmers income assessment | Conduct of farmers income assessment | Conduct of farmers income assessment | 60,000 | 60,000 | **2.25%** | **2.25%** | **5.00%** | An average income of P78,776.00 per hectare was recorded for Coconut |
| | b. intercrops/livestock integration | Average Income of Farmers with intercrop & livestock integration | OB/FWIDD | 5 | Actual over target | Conduct of farmers income assessment | Conduct of farmers income assessment | Conduct of farmers income assessment | 71,244 | 71,244 | | | **3.38%** | An average income of P48,209.97 (67.67% of P71,244) per hectare was recorded for Intercrops/Livestock integration |
| **SO 2: Empowered Farmers and Farm Workers (12)** | | | | | | | | | | | | | | |
| SM 6 | Number of Coco-based Enterprise Established | Absolute number | OB/FWIDD | 7 | Actual over target | N/A | N/A | N/A | 50 | 50 | 0.00% | **5.00%** | 5.00% | For verification. Per Regional Offices' PMES data entries, a total of 246 CBOs were established for 2024. |
| SM 7 | Percentage of satisfied customers | No. of respondents which gave at least a Satisfactory Rating / Total Number of Respondents | CPS | 5 | Actual over target<br>0% = if less than 80% | N/A | N/A | N/A | 90% | 90% | 0.00% | **5.00%** | **5.00%** | An overall score of 97.93% client satisfaction was recorded for 2024. |
| **SO 4: Undertake Research Aligned with the Strategy Using Advanced Science and Technology (5)** | | | | | | | | | | | | | | |
| SM 8 | Number of Coconut Research Completed and translated to policies | Absolute Number | RDB | 5 | Actual over target | N/A | N/A | N/A | 16 | 16 | | **5.00%** | **5.00%** | Sixteen (16) completed coconut researches were translated to policies (either by Circulars, Technology Notes, Guidelines, and other forms of dissemination). |

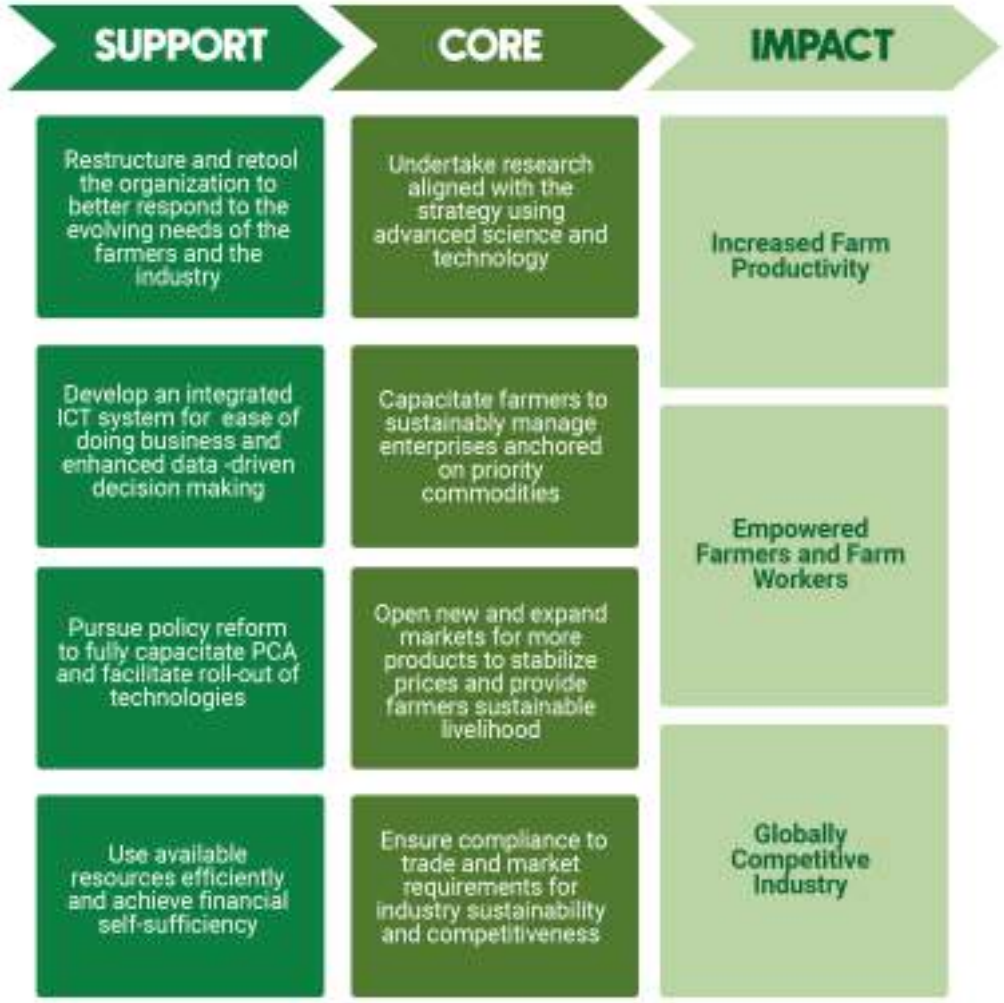
| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SO 6: Open New and Expand Markets for More Products to Stabilize Prices and Provide Farmers Sustainable Livelihood (5)** | | | | | | | | | | | | | | |
| SM 9 | Number of Investments Secured | Absolute Number | TMDD | 5 | Actual over target | N/A | N/A | N/A | 3 | 3 | | **5.00%** | **5.00%** | Seven (7) companies have secured investments for coconut for 2024. |
| **SO 7: Ensure Compliance to Trade and Market Requirements for Industry's Sustainability and Competitiveness (5)** | | | | | | | | | | | | | | |
| SM 10 | Percentage of RA 8048 Reported Violations/Conflicts Acted Upon within 15 working days | RA 8048 Reported Violations/Conflict Acted Upon within 15 working days over Reported Violations/Conflict | OB/OPOSCPD | 5 | Actual over target | N/A | N/A | N/A | 100% | 100% | 5.00% | **5.00%** | **5.00%** | 162 reported violations/ conflicts were acted upon within 15 working days for 2024. |
| **SO 9: Develop an Integrated ICT System for Ease of Doing Business and Enhanced Data-Driven Decision Making (6)** | | | | | | | | | | | | | | |
| SM 11 | ISSP - Number of systems: | | | | | | | | | | | | | |
| | a. DEVELOPED: (1) Data Management System, (2) NCFRS Regional Dashboard, (3) Trade & Market Registry System, and (4) Coconut Commodity Assessment and Monitoring System | Absolute Number | IMSU | 3 | Actual over target | N/A | N/A | (1) and (2) | (3) and (4) | 4 | | **3.00%** | **3.00%** | IMSU developed the targetted 4 systems |
| | b.IMPLEMENTED: (1) Document Tracking System, (2)Property Management System, (3) Enhanced Human Resource Information System, (4) Data Management System, (5) Trade & Market Registry System, (6) NCFRS Regional Dashboard | Absolute Number | IMSU | 3 | Actual over target | N/A | (1) | (2) and (3) | (4), (5) and (6) | 6 | | **3.00%** | **3.00%** | IMSU implemented the targetted 6 systems |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SO 10: Restructure and Retool the Organization to Better Respond to the Evolving Needs of the Farmers and the Industry (10)** | | | | | | | | | | | | | | |
| SM 12 | Percentage of Employees Meeting Required Competencies | Number of Incumbents Meeting Required Competencies over Total Number of Incumbents | HRD | 5 | Actual over target | N/A | N/A | N/A | 87% | 87% | | **5.00%** | **5.00%** | 87.06% of PCA employees met the required competencies |
| SM 13 | ISO 9001:2015 | Milestone | AGSD | 5 | All or Nothing | Internal Quality Audit | Management Review | External Audit | ISO Certification | ISO Certification | | **5.00%** | **5.00%** | PCA has passed the external audit for ISO 9001:2015 certification. |
| **SO 11: Use Available Resources Efficiently and Achieve Financial Self-Sufficiency (18)** | | | | | | | | | | | | | | |
| SM 14 | Percentage of PCA Fee Collected | Collection over Current Assessment | AMS | 5 | Actual over target | N/A | N/A | N/A | 100% | 100% | | **5.00%** | **5.00%** | PCA Fees collection achieved more than the target |
| SM 15 | Budget Utilization Rate | | | | | | | | | | | | | Based on the submitted Statement of Allotment, Obligations, Disbursements and Balances (SAODB) from Budget Division.<br><br>SM15b is Excluded. Given that the partnership between PCA and PhilHealth did not materialize as of date due to circumstances not fully within the control of PCA, the full implementation of the Health and Medical Program as stipulated in the CFIDP has yet to commence. |
| | a. Subsidy | | | | | | | | | | | | | |
| | a.1. Obligation Rate | | | | | | | | | | | | | |
| | Current | Total Obligated Subsidy over Total COB from Subsidy [net of PS Cost] | AFB/Budget | 2 | Actual over target | | | | 90% | 90% | 1.81% | **1.81%** | **1.91%** | |
| | Carry-Over | | AFB/Budget | 2 | Actual over target | | | | 90% | 90% | 1.13% | **1.13%** | **1.33%** | |
| | a.2. Disbursement Rate | | | | | | | | | | | | | |
| | Current | Total Disbursement over Total Obligation [net of PS Cost] | AFB/Budget | 2 | Actual over target | | | | 90% | 90% | 1.78% | **1.78%** | **1.82%** | |
| | Carry-Over | | AFB/Budget | 2 | Actual over target | | | | 90% | 90% | 1.84% | **1.84%** | **1.80%** | |
| | b. Coconut Farmers and Industry Trust Fund: Health and Medical Program - Current | | | | | | | | | | | | | |
| | b.1. Obligation Rate | Total Obligated CFITF over Total CFITF | AFB/Budget | 2 | Actual over target | | | | 90% | 90% | Excluded | **0.40%** | Excluded | |
| | b.2. Disbursement Rate | Total Disbursement from CFITF over Total Obligations | AFB/Budget | 2 | Actual over target | | | | 90% | 90% | Excluded | **0.40%** | Excluded | |
| | c. Disbursement Rate of Internally-Generated Fund | Total Disbursement from IGF over Total COB from IGF [net of PS Cost] | AFB/Budget | 1 | Actual over target | | | | 90% | 90% | 0.40% | **0.40%** | **0.60%** | |
| | | | | | | | | | | | **PCA Performance Scorecard Rating for FY 2024** | 79.47% | **90.78%** | *Total 87.15% minus Excluded Weights* |

# Statement of Full Compliance with the Code of Corporate Governance

In view of the organization's foregoing accomplishments, the Philippine Coconut Authority takes pride in being compliant with the requirements under the Code of Corporate Governance. (GCG-MC No. 2012-07)

## Corporate Objectives



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