

A large, stylized palm frond graphic in shades of green and yellow, extending diagonally across the top half of the cover. It is set against a background that is white on the left and yellow on the right.

DEPARTMENT OF AGRICULTURE  
**PHILIPPINE COCONUT AUTHORITY**

# ANNUAL REPORT 2019

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## Message from the **Secretary**

PCA was in a peculiar situation in 2019 and its Board did not meet until I assumed as DA Secretary in August last year. Upon assumption as DA Secretary and Chair of the PCA Governing Board, I have shared my thoughts to you on a “new” way of thinking in agriculture, which advocate for a paradigm shift on (1) Modernization of agriculture; (2) Industrialization of agriculture; (3) Promotion of exports; (4) Farm consolidation; (5) Infrastructure development; (6) Higher budget and investments for agriculture; (7) Legislative support; and (8) Roadmap development.

This advocacy steered our Governing Board’s meetings and exchanges from August to December 2019 enabling us to approve 98 Management proposals foremost of which are the Corporate Operating Budget of Php 1,623,492.00 and the Annual Procurement Program.

PCA’s program priorities are on research and development especially on hybridization, coconut and oil palm planting and replanting , rehabilitation though fertilization, animal and crop integration, value adding and export promotions. We have revisited and enhanced these programs to benefit more coconut and oil palm farmers.

Overall, we need to enhance implementation of our programs and projects to support more farmers. At the same time, we have to improve our absorptive capacity to use government funds released to us and give our personnel their unrealized incentive benefits.

The Governing Board will see to it that under my stewardship, every penny budgeted for the coconut farmers, private sector and the PCA employees will be spent as the PCA’s success is largely attributed to their active participation in all PCA programs and projects.

We will be ready for the challenges of 2020.

**William D. Dar, PhD**  
Secretary, Department of Agriculture

# PCA at a glance



## VISION

By 2020, PCA shall be the premier authority for products, process, research and development, policy, and services that promotes a globally competitive industry that is productive, self-sufficient, relevant, and knowledge-driven.



## Philippine Coconut Authority

is the sole government agency that is tasked to develop the industry to its full potential in line with the new vision of a united, globally competitive and efficient coconut industry.

## MISSION

PCA shall ensure the growth of the coconut industry by empowering its farmers and accelerating trade and market development thru the implementation of responsive programs and projects.

## ORGANIZATIONAL CORE VALUES

Professionalism

Integrity

Transparency

Excellence

"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)*

## FUNCTIONS

- Formulate and promote a strategic and comprehensive development program for the coconut and other palm oil industry in all its aspects;
- Implement and sustain a nationwide coconut planting and replanting, fertilization and rehabilitation, and other farm productivity programs;
- Conduct research and extension works on farm productivity and process development for product quality and diversification;
- Establish quality standards for coconut and palm products and by-products; and, develop and expand the domestic and foreign markets;
- Enhance the capacities and ensure the socio-economic welfare of coconut and palm farmers and farm workers



## PCA STRATEGIC MAP

Vision: By 2020, PCA shall be the premier authority for products, process, research and development, policy, and services that promotes a globally competitive industry that is productive, self-sufficient, relevant, and knowledge-driven

STAKE-HOLDERS  
INTERNAL PROCESSES  
FINANCIAL  
LEARNING & GROWTH

Increased Coconut Productivity

Empower Farmers and Farm Workers

Produce Responsive and Innovative Researches

Accelerate Trade and Market Development

Improve Budget Utilization

Strengthen Employee Competence and Streamlining of Processes

Themes:

INCLUSIVE GROWTH AND DEVELOPMENT

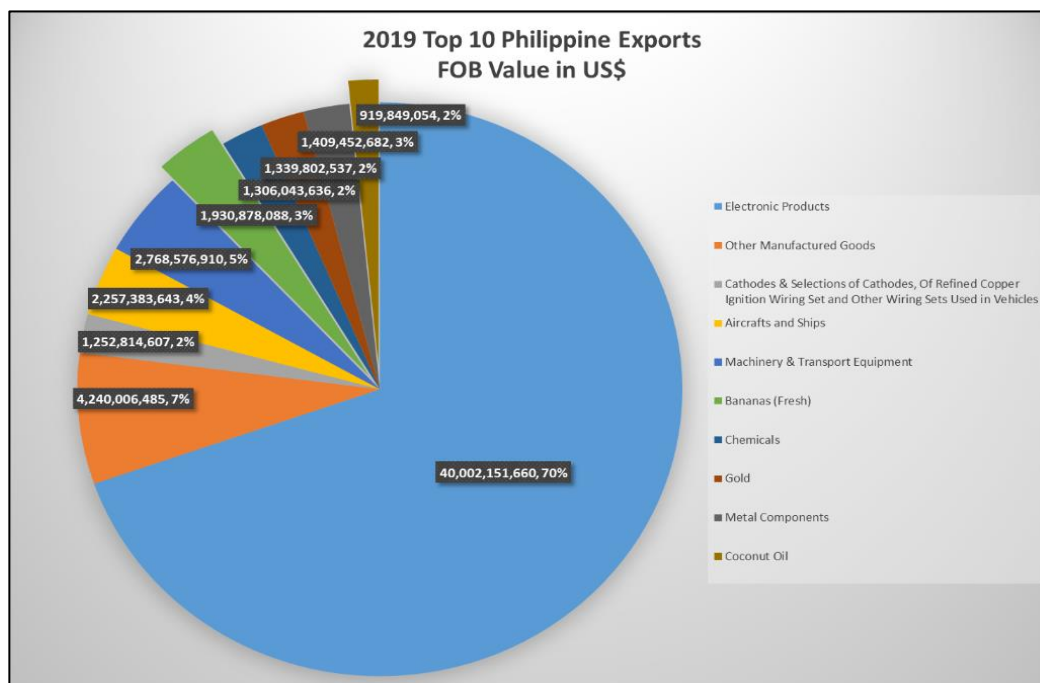
STRATEGIC AND MULTI-SECTORAL

GOOD GOVERNANCE



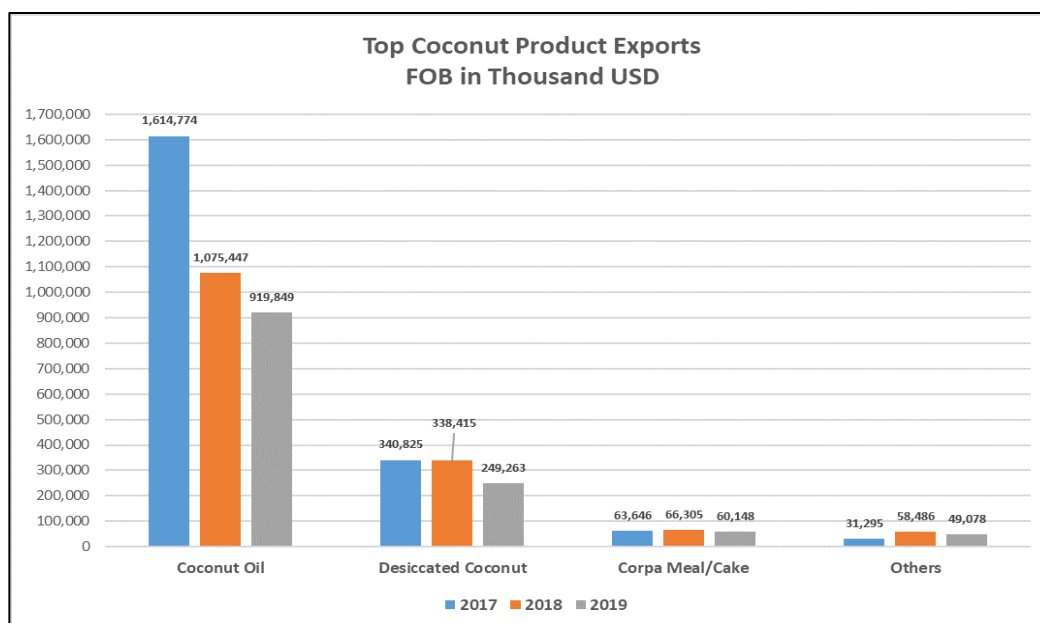
# THE PHILIPPINE COCONUT INDUSTRY

The Philippine coconut industry remains an important agro-based industry of the country as it continues to provide sources of livelihood and income to many Filipinos including export earnings. In 2019, it contributed a total of USD 1.6 billion from exports of coconut products. Coconut oil as the number 10 among Philippine top exports is valued at USD 919.85 million next to fresh bananas which is at number 6 and valued at USD 1.93 billion. (Figure 1)



**Figure 1.** Value (USD) of the Top 10 Philippine Export for 2019 including coconut.

Historically, coconut oil (CNO) remains constantly as among the country's top agricultural export followed by desiccated coconuts and copra cake. However, in 2018 its record was surpassed by fresh bananas by about 28.5% making CNO only second in rank. In 2019, its export value steadily declined to only USD 0.90 billion. Activated Carbon occupied 3rd place alternately with copra meal/cake which are both by-products of coconut oil production. (Figure 2). Looking at future prospects, coconut may regain its position as top export considering that it has the longest value chain and biggest production area and as such, still offers huge and many opportunities to harness.



**Figure 2.** Value (USD) of the top coconut product exports in 2017-2019

# TRADE PERFORMANCE

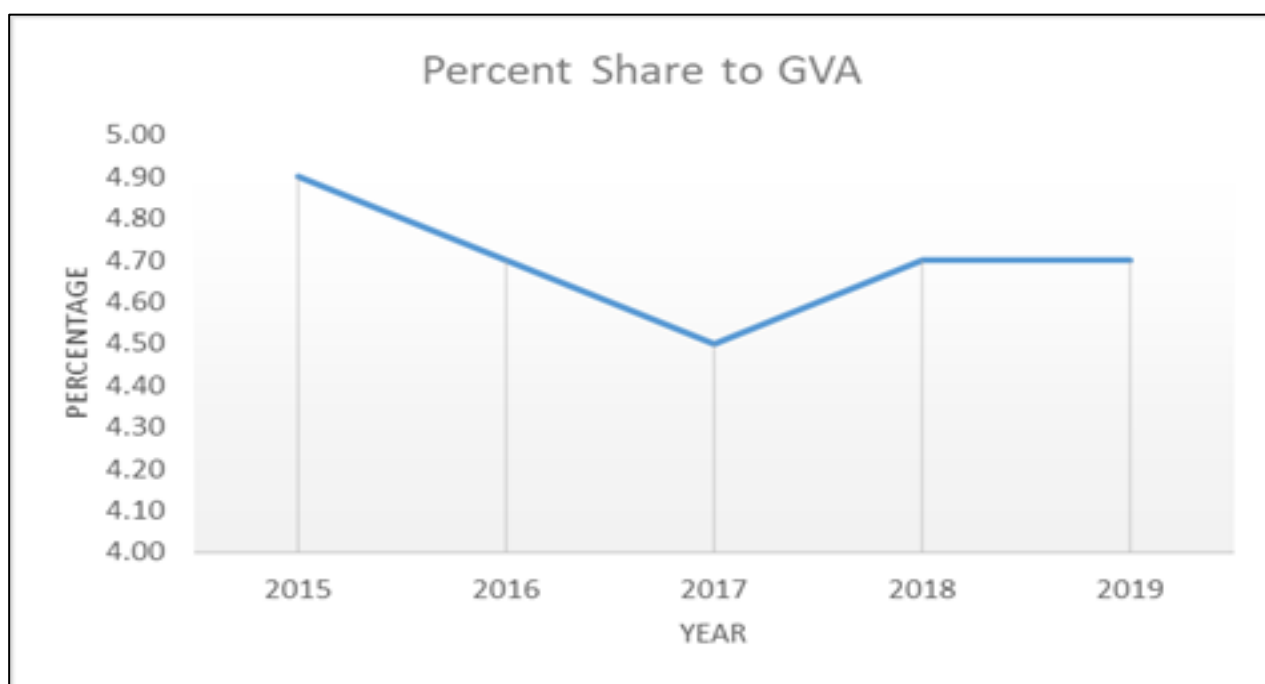
Agriculture Secretary William Dar highlighted in 2019 that boosting farm productivity will require smart response policies underlined in the Department of Agriculture's New Thinking directions on the (8) paradigm to level up the country's agricultural sector.

With the refocused and strengthened directions of supporting farmers and the coconut community, the PCA initiated development effort towards greater innovation, productivity and inclusive growth.

## A. Economic Performance

The performance of the country's agriculture sector can be monitored through the year-on-year growth of Gross Value Added (GVA) in Agriculture, Forestry and Fishing. This refers to the difference between the gross output of agriculture and fishing and intermediate consumption used in the production process being monitored by the Philippine Statistics Authority (PSA).

At 2018 constant prices, the GVA of the coconut sub-sector experienced decline from 2015 to 2016 but rebounded in 2017 ending at a 1.0% growth in 2019. Its share to the Agriculture sector also declined until 2017 and started to rebound in 2018, maintaining a 4.7% contribution until 2019. (Figure 3)



**Figure 3.** Percentage share of the coconut sector to the country's Gross Value Addition (GVA) in 2015-2019.

## B. Production Performance

For 2019, coconut production improved slightly from 14.726 MT in 2018 to 14.75 MMT. Coconut production has remained static over the last five years, reaching a low point in 2014 as a result of the aftermath of Typhoon Yolanda and the El Niño phenomenon of 2016.

Among the top producers for the year are the Davao Region, Calabarzon, Northern Mindanao and the Zamboanga peninsula areas.

## C. Prices of Products

We have seen the coconut sector facing several challenges right at the start of 2019 which was marked with the continuous downward trend in prices (Figure 4). Prices started to decline since the start of 2018, The year has been marked by the continued downward spiral of prices in the world

market resulting in record low prices in the domestic market for several months (Figure 5). With no major natural calamities, the year also experienced a slight growth in terms of productivity for the coconut industry

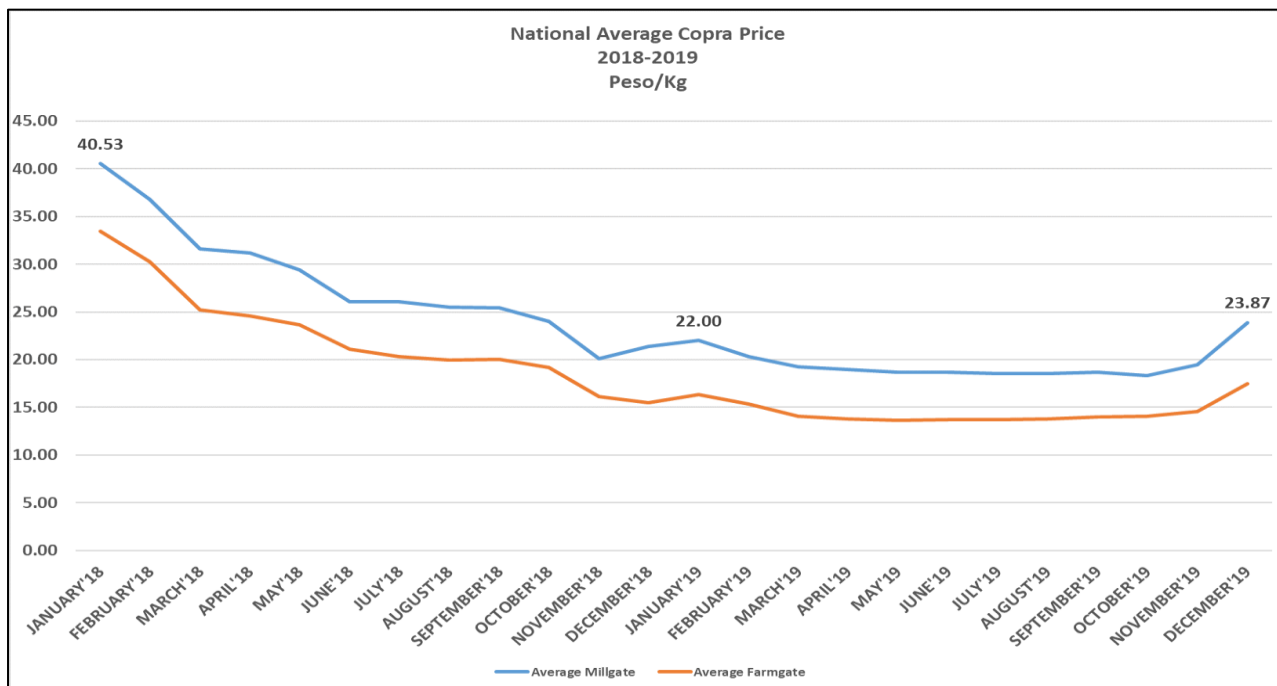


Figure 4. Local price (PhP/kg copra) trends of copra from 2018 to 2019. Source: indexmundi

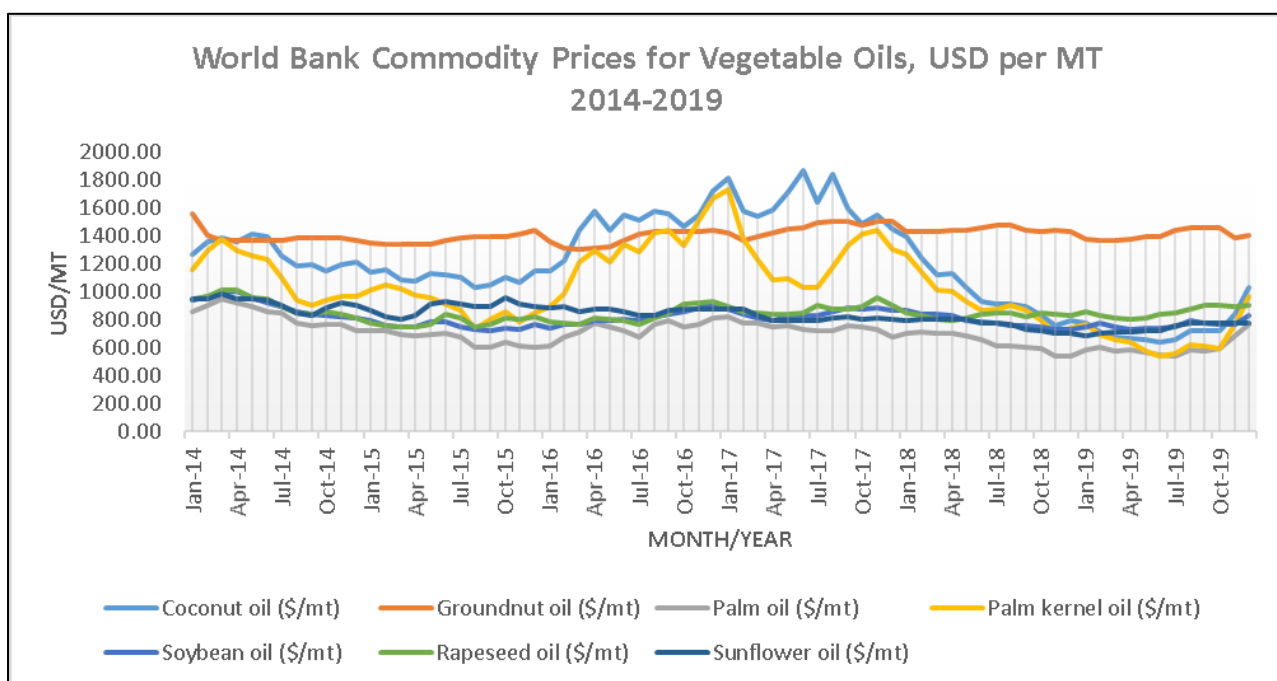


Figure 5. Commodity prices of various vegetable oils from 2014-2019 in the world market.

# THE PALM OIL INDUSTRY

The industry experienced a precarious world market price index due to the supply glut in the world market for palm oil brought about by increased production from major producing countries and the decreased world demand. The latter was due to environmental policies of EU and the US as well as currency problem of India and Egypt who are the biggest importers of palm oil. This resulted to very low buying prices at the farm gate level of the fresh fruit bunches hurting directly our smallholder oil palm farmers.

In the domestic front, production of palm oil has stagnated within the last decade averaging 95.1 MMT annually. However, our domestic consumption of palm oil for food and non-food uses had escalated from a low of 400 MMT in 2012 to 1,300 MMT in 2019. With the low selling price of palm oil in the market over the more expensive coconut oil, preference of consumers and processors

shifted to the cheaper palm oil as a substitute for our coconut oil in various food and non-food applications.

The huge supply gap was consistently filled up through importation from neighboring Asian countries of the cheaply priced palm oil. It spiraled starting in 2013 and reached 1,220MMT in 2019 thus making the country a net importer of palm oil.

The above scenarios jeopardized both the local coconut and palm oil industries. The huge importation and high domestic utilization of cheaper palm oil badly hit both the smallholder coconut and oil palm farmers as this dampen prices of the raw materials: copra and fresh fruit bunches (FFB). Ironically, despite very low buying price of copra, price of coconut oil is still very high hence the propensity for palm oil consumption at the domestic front.

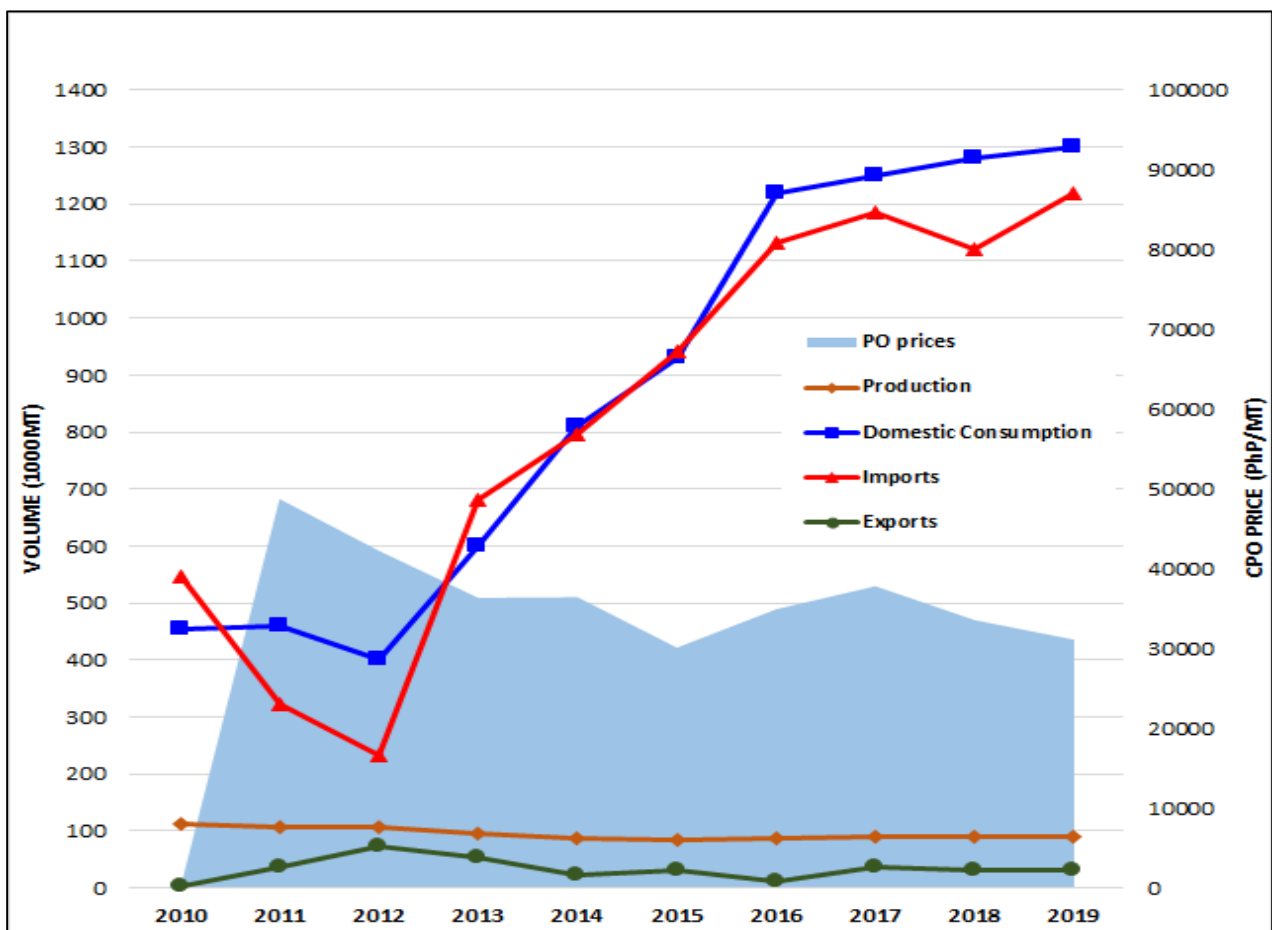


Figure 6. Volume of domestic production, consumption and trade, and world market price of palm oil



# HIGH IMPACT PROJECTS

## ● ACCELERATED COCONUT PLANTING AND REPLANTING PROJECT

The Accelerated Coconut Planting and Replanting Project involves the planting and/or replanting of good quality coconut seedlings of either dwarf or tall Open-Pollinated Varieties (OPV) to replace senile coconut trees or those that were totally destroyed by typhoons or other natural calamities.

The ACPRP has three components, viz: Participatory Coconut Planting Project (PCPP), Coconut Seedling Dispersal Project (CSDP) and Indigenous People Outreach Program (IPOP).

The PCPP is a participatory and incentive-based systems approach to encourage coconut farmers and would-be coconut farmers to plant more coconut trees. Each participating farmers are provided cash incentive of 40.00 per transplanted and stabilized seedling. The CSDP involves the procurement of seedlings including nursery operations through the participation of local communities for project sustainability. The IPOP prioritize beneficiaries from the Indigenous Peoples and minority groups in the country.

For CY 2019 ACPRP allocation, 70% of the 68,824.12 hectare annual target was accomplished where 99.8% was under the incentive based component. Around 48,245 ha were planted with 6,626,370 coconut seedlings benefiting 38,525 coconut farmers. Payment of incentives will be made in 2020 due to policy issues on incentives payment. Only a partial payment of around PhP 35 million was completed during the year.

Likewise, during the year, an additional 4,504,904 seedlings were planted covering an area of 36,262 hectares which benefited 36,401 coconut farmers under the ACPRP CY 2018 and prior years. The monetary incentives in the amount of PhP 383,686,040.00 had been paid to PCPP participants.

To encourage widespread and strategic planting in the future, the PCA Governing Board has passed a policy to increase the monetary incentive for participation in planting activities.

CY 2019 ACPRP allocation  
**70%**

of the 68,824 hectare annual target was accomplished where 99.8% was under the incentive-based component"

Coconut Farmer Beneficiaries

**38,525**

Incentives Paid to Farmers

**PhP 35,345,576**



**Photo 1. Left:** Seedlings raised by a farmer in Region 8 ; under the Accelerated Coconut Planting/Replanting Project. **Right:** Field-planted coconut seedlings in BARMM under the Accelerated Coconut Planting/Replanting Project.

## o COCONUT FERTILIZATION PROJECT

The Coconut Fertilization Project (CFP) is a quick turn-around measure of increasing coconut production to address the increasing demand for new and emerging coconut products such as coco water and Virgin Coconut Oil (VCO) aside from the traditional products such as coconut oil and Desiccated Coconut (DCN), among others.

The Project's goal is the application of Agricultural Grade Salt Fertilizer (AGSF) at 2kg per tree or a combination of AGSF and Coconut Coir Based Organic Fertilizer (CCBOF) at 8kg per tree applied for two (2) consecutive years in a particular site. The project's implementation started in CY 2008.

Trees fertilized  
**6,943,315**

from 2019 and prior years allocation

Coconut Farmer  
 Beneficiaries  
**30,863**

For the 2019 allocation, only 20% of the 7,326,050 target trees were fertilized due to some procurement concerns. Nonetheless, the effort benefited 7,691 farmer-recipients.

For the carry over targets covering CY 2018 and prior years, 92% of the targeted trees were applied with 262,230 bags of fertilizer which benefited 23,172 coconut farmers.

It can be observed that the fertilization program was able to fertilize 6,943,315 trees planted in around 69,433.1 ha. This represent 4.62% of the total population of bearing trees.

For CY 2020, the PCA intends to pursue the use of other forms of fertilizers such as multi nutrient and synthetic fertilizers to boost production further.



**Photo 2. Clockwise from top left:** Delivery of salt in Batangas; ring weeding in preparation for fertilizer application; coconuts applied with organic fertilizers in Quezon II.; and dwarf coconuts applied with salt and mulched with crown wastes in Impasugong, Bukidnon (c).



## KAANIB COCONUT HUB PROJECT

The KANIB COCONUT HUB PROJECT (KCHP) is a strategic partnership and productive alliance between PCA and partner organizations with the objective of empowering the coconut farmers to produce and market high value coconut products. Its specific objectives are: to increase the income of the participating coconut farmers and to generate more on-farm and off-farm jobs.

The components of KCHP are: Provision of Coconut Processing Facility and Equipment; Logistics Support for hauling, transportation and others as needed such as power; Provision of Appropriate Technology, and Management Capacity Enhancement which include Management Training and Advisory Services, Marketing and Financing, Technical Skills and Quality Standards are also offered to project beneficiaries.

For the year under review, 24 Cocohubs with different product lines are in different stages of establishment, six of which are PCA-led hubs and the rest are managed by PCA partner organizations.

There are already five (5) operational hubs where two are into coco sugar production, two are into coir processing and/or CNO and one as Training Center with Board and Lodging services. These hubs are 1.) Capiz Small Coconut Farmers Marketing Cooperative (CASCOFAMCO) of Region VI, 2.) The Sweet Harvest Multi-Purpose Cooperative (SHMPC) of Region XII, 3.) Coconut Enterprise Development Center (CEDC) of Region XI, 4.) Mindanao Integrated Rural Agricultural Development Multi-Purpose Cooperative (MIRAD MPC) of BARMM and 5.) LGU Alabat of Region IVA.

The hubs received various capacity building interventions necessary for the operation of their chosen enterprise.

These operational hubs had generated employment in their local communities for 116 full time employees and 141 seasonal workers.

The ventures earned annual net sales ranging from PhP 280,365.00-PhP 10,092,265.00 which benefitted 3 farmer-organizations with around 117 members.

Notable among the hubs are the SHMPC and CASCOFAMCO which adopted the big brother-small brother concept by establishing partnerships to help in the marketing of similar product lines from existing KANIB projects. Other hubs tapped other farmer organizations as raw material suppliers.

### 5 Fully Operational Hubs

- Capiz Small Coconut Farmers Marketing Cooperative (CASCOFAMCO) of Region VI,
- The Sweet Harvest Multi-Purpose Cooperative (SHMPC) of Region XII,
- Coconut Enterprise Development Center (CEDC) of Region XI,
- Mindanao Integrated Rural Agricultural Development Multi-Purpose Cooperative (MIRAD MPC) of BARMM and
- LGU Alabat of Region IVA.

Annual Net Sales  
**PhP 280,365 to  
PhP 10,092,265**

Project Beneficiaries  
**117** individuals  
**3** farmer organizations



**Photo 3. Top:** The processing building of the Capiz Small Coconut Farmers Marketing Cooperative (CASCOFAMCO) in Ivisan, Capiz processing Crude Coconut Oil (CNO) and coir. **Bottom:** Coco sugar processing facility of LGU Alabat of Region IV-A

## KAANIB ENTERPRISE DEVELOPMENT PROJECT

The KANIB Enterprise Development Project (KEDP) is aimed to promote and institutionalize coconut-based enterprises to address food security, increase income and generate jobs in the small coconut farming communities.

The project is composed of four (4) major components: Coconut-Coffee Based Enterprise Development (COCOBED) and Coconut-Cacao Enterprise Development Project (CCDP) which involved planting coffee and cacao and the clustering of the farms to meet economies of scale; Coconut Intercropping Project (CIP) that involved planting of other high-value crops i.e. banana, corn, pineapple and vegetables and raising of livestock to augment income and enhance nutrition of the farming households, and Community/Household-Level Coconut Processing Project (CHLCP) where farmers identify coconut-based enterprise to engage into Virgin Coconut Oil Production (VCO), Coir Processing, Food Confectioneries, among others.

The package of assistance comes in the form of grant-in-kind which may include planting materials or livestock, machineries and equipment equivalent to PhP 500,000 per KANIB site. The intervention shall be

provided within the duration of 3 years.

Since the start of the project in 2010, a total of 1,055 KANIB sites were established benefiting a total of 77,461 farmers in the different coconut regions and provinces of the country.

For the year 2019, planting of high-value commercial crops such as vegetables, corn, banana, cacao, coffee among others were completed covering 1,203.37 hectares of coconut farms. The performance was generally low since only 29% of the current and only 27% of the carry-over targets were accomplished.

For livestock integration, 575 heads of cattle, carabao and goats were distributed representing 92% of the target.

For the processing component, a total of 146 enterprises were established where 128 are part of the carry over target. The food and non-food based enterprises adopted by the farmer organizations ranged from coco coir/ coco peat based organic fertilizer production (76), VCO (9), Coco sugar (28) and other coco based enterprises (33). Delivery of required equipment was 48.6% completed for current year target and 31% for carry over.

Coconut area intercropped  
1,203 ha



**Photo 4. Top:** Coconut intercropped with corn. **Bottom:** Livestock under the coconut trees

Enterprises Established  
146

Food and non-food coconut-based products



**Photo 5. Top:** Coir processing in Zamboanga City. **Bottom:** coco sugar production (Gingog MPC),



## SEED FARM DEVELOPMENT PROJECT

Seed Farm Development Project is aimed at establishing small village based facility that will serve as potential source and supply of good quality seednuts or seedlings that can be made available for planting to sustain future planting and replanting projects of the Authority. This involves partnership with the Local Government Units (LGUs), State Universities and Colleges (SUCs) and the Coconut Farmers Organizations (CFOs) or Agrarian Reform Beneficiaries (ARBs) or private individual through Memorandum of Agreement or Contract of Lease.

Local dwarf and local tall varieties are the preferred planting materials in the seedfarms.

When the project was initiated in 2018, each region was allocated one seedfarm ranging from 6.0 to 36.0 ha in size. A total of 11 seedfarms involving 185 hectares were identified. In 2019, three sites were added located in Regions I-IVB, VI and X covering a total of 53 ha. (Figure 7)

REGION	SEED FARM LOCATION	Area (ha)
I-IVB	Brgy. Narra, Gloria, Oriental Mindoro	18.0
	Barrio Garita, Cagaban, Isabela	10.0
V	Brgy. Cabitan, Mandaon, Masbate	36.0
VI	Brgy. Tabunan, Bago City, Negros Occidental	12.0
	Brgy. San Martin, Dumalag, Capiz	13.0
VII	Don Antigua, Borbon, Cebu	18.0
VIII	Brgy. Lemon, Capoocan, Leyte	18.0
IX	Brgy. Payao, Kulasian, Zamboanga Sibugay	8.0
X	Sitio Catuan, Brgy. Lunao, Ginoog, Misamis Oriental	18.0
	Brgy. Gala, Ozamis City, Misamis Occidental	30.0
XI	Macarambol, Mati City, Davao Oriental	6.0
XII	Barrio Datalblao, Columbio, Sultan Kudarat	18.0
XIII	Brgy. Sulkailang, Surigao City, Surigao del Norte	18.0
XIV	Brgy. Masaggao, Panglima Sugala, Tawi-Tawi	15.0
<b>TOTAL</b>	<b>14 Sites</b>	<b>238.0</b>

Figure 7. Seed farm location per region

Within the year, two (2) sites located in Masbate and Neg. Occ. with a total area of 48 ha were fully planted with the desired varieties. Three (3) were partially planted covering 23.8 ha located in Gloria, Or. Mindoro (Region IVB); and Capoocan, Leyte (Region VIII) and Cabagan, Isabela (Region II). The rest are either at different stages of field establishment or are undergoing pre-implementation negotiation. (Figure 8)

For the future, a seedfarm development project is envisioned to be established on every coconut producing province in the country. This project strategy is to ensure that the local production of the desired coconut variety/ies will support the need for quality planting materials of the entire province hence raising its competitive edge.

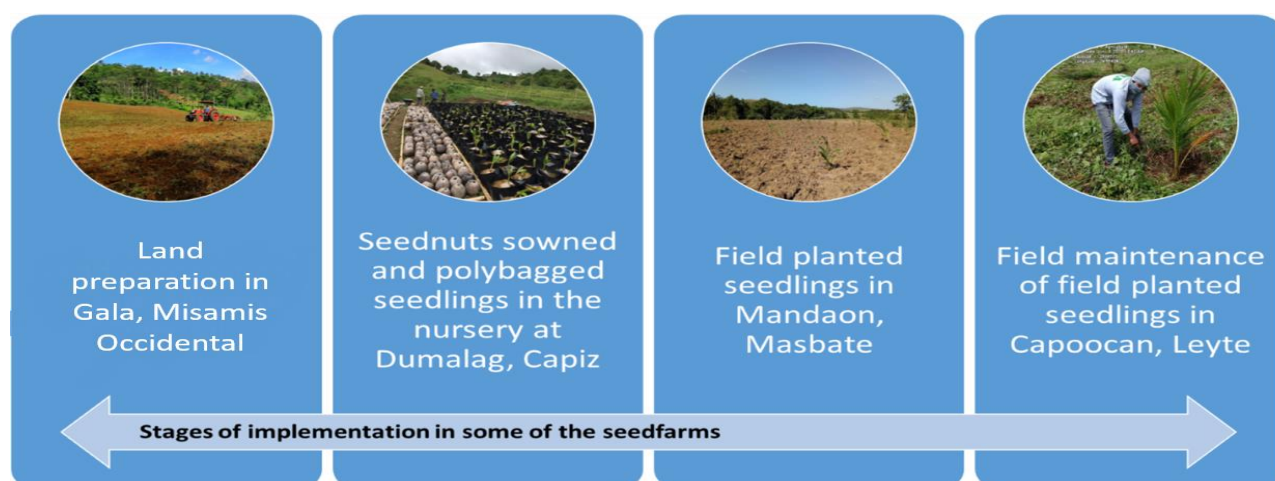


Figure 8. Stages of implementation in some seed farm locations

## ● **SMALLHOLDERS OIL PALM DEVELOPMENT PROGRAM**

The program is designed to promote oil palm plantation development by assisting smallholder outgrowers with production inputs like the provision of high quality oil palm seedlings and fertilizers to support planting in new areas or replacement palms as well as fertilizers to rehabilitate low bearing oil palms.

For the year, under the Oil Palm Planting/Replanting project, **1,905 hectares were planted** with 243,850 hybrid oil palm seedlings benefiting 1,267 farmers in Regions IVB, IX, XII, XIII and BARMM.

To ensure better growth and development of newly planted seedlings, fertilizer support is also provided to selected beneficiaries. A total of 4,294 bags of assorted fertilizers

were applied to young oil palms covering 1,554 ha in Regions IX, X, XII, CARAGA and BARMM. Another 1,530 bags of fertilizers were purchased and scheduled for distribution and application early next year.

For rehabilitation thru fertilization of low yielding mature palms, almost 100% of the 2018 allocation during the period in review was completely distributed and applied involving 23,940 bags of assorted fertilizers for 3,320.2 ha benefitting 1,915 farmers in Regions IVB, VII, IX, X, XI, XIII and BARMM.

However, for current year allocation, only 7,464 bags of fertilizers intended for 1,126 ha was accomplished due to challenges in procurement in other regions.



**Photo 6. Clockwise from top left:** Replanted area in Region XII; Oil palm seedlings in open field in Region IX; Coconut Development Officer advising a farmer on Good Agricultural Practices; and a low-yielding oil palm tree; **Inset:** developing fruit bunch months after fertilization;



## o IMPLEMENTATION OF THE COCONUT PRESERVATION ACT OF 1995

### Area (ha) Planted To Coconut Funded Under RA 8048 Collections

LOCATION	2015	2016	2017	2018	2019	TOTAL
<b>PHILIPPINES</b>	<b>18,359</b>	<b>3,719</b>	<b>8,869</b>	<b>44,918</b>	<b>45,279</b>	<b>121,144</b>
Luzon	1,523	640	828	4,304	2,021	9,315
Visayas	3,445	1,268	845	-	-	5,557
Mindanao	13,392	1,812	7,197	40,614	43,258	106,272
						-
CAR	-	-	-	142	30	172
REGION I	-	3	-	3	15	21
REGION II	-	-	-	1,086	-	1,086
REGION III	-	1	2	3	4	10
REGION IV	1,523	637	828	3,073	1,976	8,036
REGION V	-	1	2	3	4	10
REGION VI	396	391	-	-	-	787
REGION VII	128	39	95	-	-	262
REGION VIII	-	1	2	3	4	10
REGION IX	-	130	803	864	20	1,816
REGION X	150	-	82	13	-	245
REGION XI	1,387	761	149	963	-	3,260
REGION XII	106	145	1,272	243	1,310	3,075
REGION XIII	13,000	-	4,360	39,050	39,747	96,157
BARMM	286	-	-	226	1,206	1,718

The Coconut Preservation Act of 1995 (RA 8048) as amended by RA 10593 regulates the cutting of coconut trees which is a part of the country's national patrimony. Aside from regulation of coconut tree cutting, it also aims to replace the trees cut due to senility, those affected by pest and diseases and those that pose hazard to life and property among others.

For 2019, to respond to the critical need of providing a more stringent system of monitoring, a universal accountable form for the issuance of permits like the Permit to Cut (PTC), Permit To Transport (PTT) and Consolidators Permit to Transport (CPTT) embedded with several security features in the paper was designed/prepared. This is to

enhance the integrity of the form and avoid falsified permits. Similarly, chainsaw stickers with security features to avoid tampering was developed for use by the regions in registering chainsaws and tools of the trade.

R.A. 8048 implementation focused mainly on the issuances of relevant permits and the registration of lumber traders/processors and tools of the trades.

Permit to transport issued  
**22,231**  
Involving 121,729,338 bdf of lumber

Certificate of Land Inspection and Verification  
(CLIV) issued  
**1,563 ha**  
73% are non-coconut areas

#### Registered:

**5,742** cocolumber  
processors/traders

**7,769** chainsaws/powersaws

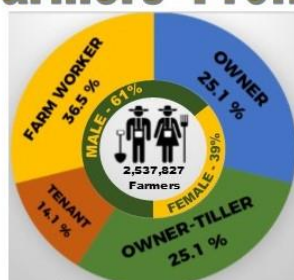
Permit to cut issued  
**22,593**  
involving 705,492 coconut trees

Total fees collected related to permit issuances and registration  
**PhP 153,473,100**

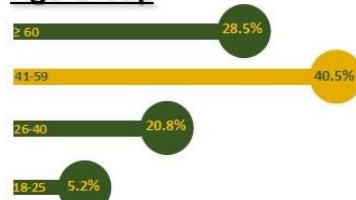
## ● NATIONAL COCONUT FARMERS' REGISTRY SYSTEM

The National Registry is a comprehensive database for coconut farmers and farm workers in the country. The Registry contains the profile of the farmers, farm usage, production and income and other information and is used for planning and decision making on program implementation.

### Farmers' Profile

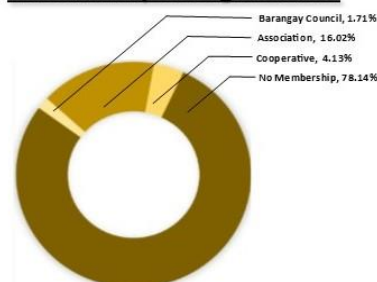


#### Age Group



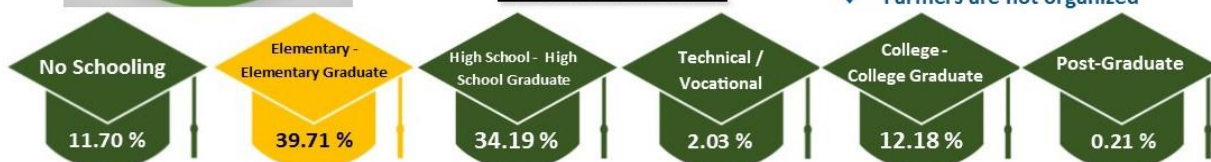
◆ Ageing Farmers

#### Membership in Organization



◆ Farmers are not organized

#### Educational Data

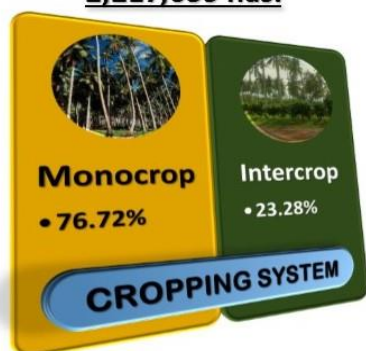


◆ Generally completed elementary / secondary education

### Farm Profile

**Total hectares Planted:**

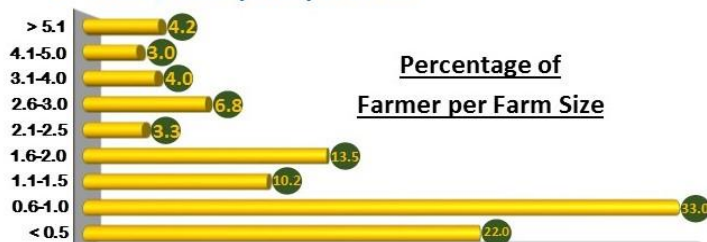
**2,217,059 has.**



◆ Underutilized interspaces

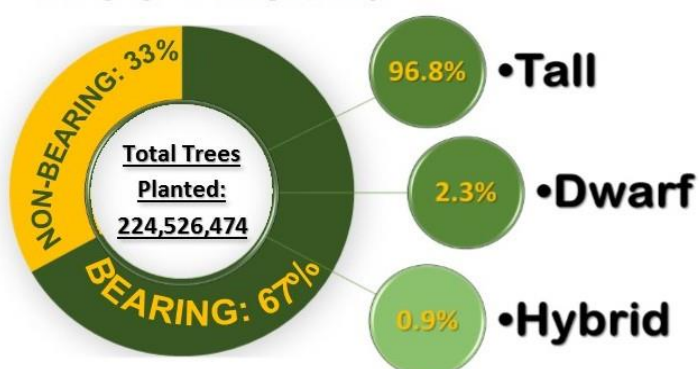
Income Bracket	Percentage of Farmer per Income Bracket
< 10,000	46.1
10,001 - 20,000	14.3
20,001 - 30,000	11.2
30,001 - 50,000	11.6
50,001 - 60,000	3.9
60,001 - 80,000	4.4
80,001 - 100,000	2.9
> 101,001	5.6

◆ Below / within poverty threshold

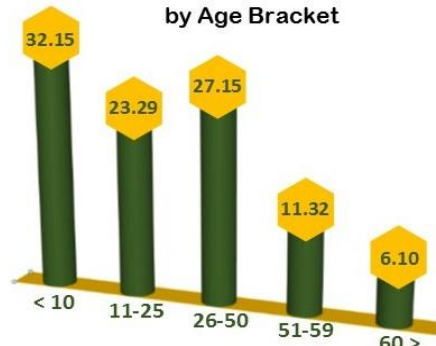


◆ Dominated by Smallholders (0.6-1.0 ha.)

### Tree Profile



#### Percentage of Trees by Age Bracket





# TRADE AND MARKET DEVELOPMENT



**Photo 8.** Senate Agriculture Committee Chairman, Cynthia Villar (6th from left) with DA Secretary Dar and PCA Administrator Duque flanked by Ministers and Representatives of the ICC-member countries during the opening of the 55th ICC Session.

The Philippines hosted the inauguration of the International Coconut Community (ICC) after the United Nations, Secretary General released the Depositary Notification on March 2018 completing all procedures for the transition of the Asia and Pacific Coconut Community (APCC) to ICC. The Inaugural conference was complemented by the 55th Session and Ministerial Meeting on August 26 to 30, 2019 at the Philippine International Convention Center.

The two international gatherings were conducted in tandem with the 33rd National Coconut Week Celebration. The event also commemorated the 50th Anniversary of the Coconut Community which evolved as Asian Coconut Community to Asian and Pacific Coconut Community (APCC) and in 2019 to International Coconut Community (ICC) with the aim of promoting, coordinating and harmonizing coconut industry activities among member countries. It was attended by Ministers and Plenipotentiary delegates from 21 coconut producing countries and international organizations.



**Photo 9.** Sec. William Dar and Administrator Gonzalo Duque with UCAP Chairman Dean Lao during the opening of the 2<sup>nd</sup> World Coconut Congress

The simple but meaningful Celebration coincided with the 2nd World Coconut Congress held on August 27 to 29 at the SMX Convention Center, Manila which is an initiative of the private sector through the United Coconut Associations of the Philippines (UCAP). The Authority partnered with the private sector to provide the platform for over 400 local and international delegates to discuss ways to develop and innovate the coconut industry. The WCC is intended to help put the Philippines at the center of the world coconut industry through the raising of awareness with a unified stand against the detractors of coconut oil among others.

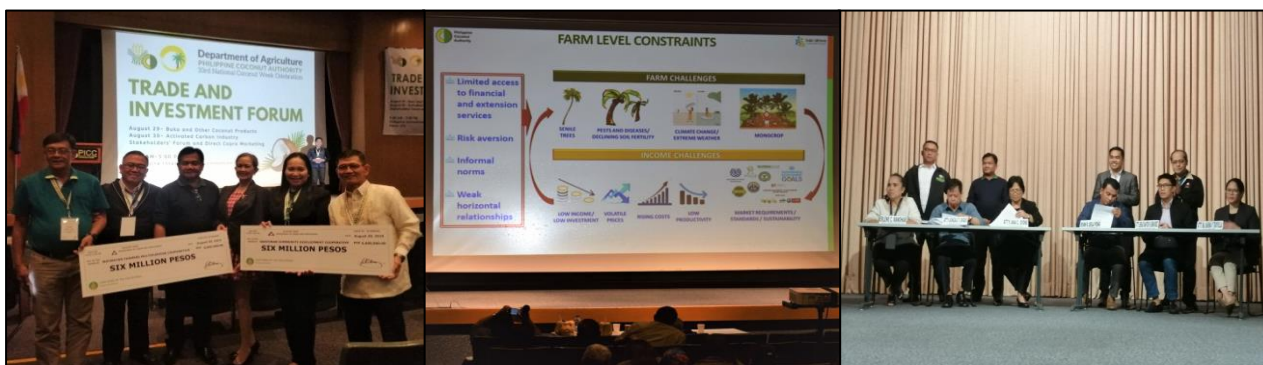
As a way of promoting coconut food products, the 2nd Cocolinary Show was conducted in partnership with Chefs from various culinary schools and coconut processing companies. Showcased were different coconut-inspired recipes to promote domestic utilization of coconuts.

Celebrity chefs were also at the forefront of creating awareness and interest in innovative products and health benefits of coconut.



**Photo 10.** Left: Celebrity Chef Boy Logro during the Cocolinary Show. Right: Actress and TV Personality Bianca King puts a spotlight on coconut products during her live cooking demo at the 2nd World Coconut Congress's Cocolinary Show

As a finale activity of the 33rd National Coconut Week Celebration, a Trade and Investment Forum on Young Coconut (*Buko*), Activated Carbon and Coconut Oil was conducted. Discussed were the challenges and opportunities in the value chains with selected stakeholders and PCA officers and coconut farmer leaders nationwide. Practical solutions to the sustained decline of copra prices were tackled such as direct copra marketing or upgraded copra trading system. MOA signing between DOLE, PCA & SAWP beneficiaries for direct copra marketing was conducted.



**Photo 11.** Conduct of Trade and Investment Forum during the Coconut Week celebration. and forging of agreement of partners in the Direct Copra Marketing (DCM) initiative.

Throughout the year, the marketing and promotion efforts were further boosted with the 11 promotional activities massively encouraging the use of *buko* domestically and increasing its availability and accessibility. The series of Summer Bukofest events in various PCA regions, LGU-managed TienDA outlets and DA Agribusiness Development Center (ADC) and representations with the Civil Service Commission and LGUs heightened the awareness of consumers on the health benefits of *buko* consumption. Three farmer organizations benefited from the massive marketing of *buko*.



**Photo 12.** Launching of the Summer Buko Fest to increase domestic utilization of coconut



At the homefront, the Authority facilitated the marketing of coconut based products of various companies and processors by initiating the Coco Tiangge in June 24-28, 2019 as part of the 41<sup>st</sup> PCA Anniversary. The five-day event generated a total sales of PhP 153,361.25 with an average daily sale of PhP 30,672.25.

The PCA also participated in various promotional activities highlighting the cultural, culinary, health and wellness relevance of coconut and its various products.



The PCA also participated in various promotional activities highlighting the cultural, culinary, health and wellness relevance of coconut and its various products:



**Photo 13.** Coco Exhibit during the Farmers and Fisherfolks Month Celebration. Inset: Opening of *Coco Tiangge* during the 41<sup>st</sup> PCA Anniversary on June 24, 2019

- Palaspas at mga Natatanging Katha Mula sa Dahon ng Niyog
- Filipino Food Month Celebration: Celebration of Filipino Delicacies
- Health and Wellness Conference and Exhibition Philippines 2019
- International Food Exhibition (IFEX)
- Agrilink/Foodlink/Aqualink 2019 on October 3-5, 2019 at World Trade Center, Pasay City
- Davao Agri Trade Expo (DATE) on September 26-28, 2019 at SMX, SM Lanang, Davao City
- Launching of the Rural Agro-Enterprise Partnership for Inclusive Development and Growth (RAPID) project on May 24 during the opening of the International Food Exhibition (IFEX) on May 24-26, 2019
- Department of Agriculture's Farmers and Fisherfolk Month Celebration Coco Tiangge on May 27-31, 2019

Technical experts also conducted lectures and facilitated Focus Group Discussion (FGD) On Vinegar and Related Coco Products in partnership with DA-ATI and DA-AMAS highlighting the pressing need for marketing the coconut vinegar to help address the issue on synthetic vinegars in the market and further promote coconut products and enhancing their packaging.



**Photo 14.** Focus Group Discussion on Coconut Vinegar with Secretary Piñol

The PCA also spearheaded the conduct of the Public Consultations on Lifting of Ban on Export of Mature Coconut in Luzon, Visayas, and Mindanao. The consultation aimed to gather opinions from coconut industry stakeholders and their position on whether to lift the ban on the export of mature coconuts or keep it in the List of Prohibited Products for Export. The consultations resulted in keeping mature coconuts in the list of prohibited products for export.

Technical assistance to foreign investors and Missions were also provided.

- **Provided assistance to the Brazilian Inspection Mission.**

Two auditors from the Brazilian Ministry of Agriculture, Livestock, and Food Supply (MAPA) visited the Philippines to conduct inspection of coconut water manufacturers in the country, who are supplying coconut water to Brazil. The main objective of the mission is to verify and evaluate the hygienic-sanitary control system in the production of concentrated and frozen coconut water that are being exported from the Philippines to Brazil.



**Photo 15.** The Brazilian inspectors observing the various plant processes of a local coconut water supplier

- **Facilitated the visit of the Saudi Arabian Trade Mission.**

The Mission visited processing plants in Davao City for possible supply of activated carbon, virgin coconut oil, coco sugar, coconet bio-engineering materials and other coconut products for marketing in Saudi Arabia.



**Photo 16.** Davao-based coconut processors with the Saudi Arabian Trade Mission at the Marco Polo Hotel, Davao City





## “2019海南（国际）椰子产业合作发展论坛” 参会代表合影

Group photo of participants of 2019 Hainan (International) Coconut Industry Cooperation Development Forum

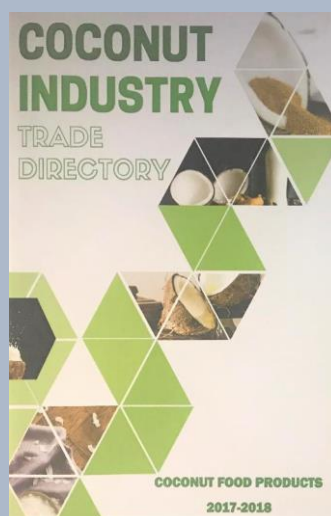


**Photo 17.** Participants of the Hainan International Coconut Industry Cooperation Development Forum with the PCA Governing Board Members

PCA participated in the Hainan International Cooperation & Development Forum for the Coconut Industry in Hainan, China - This Forum aimed to integrate domestic and international coconut industry resources to promote the independent innovation ability of the coconut industry in China and the core competitiveness of the industry. It also offered an opportunity for the processors, manufacturers, suppliers, and entrepreneurs to show their products and do business through the Business-to-Business (B2B) meeting.

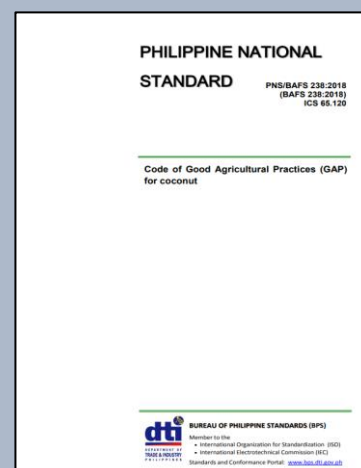
Two significant publications produced and distributed to all regions:

- 2017-2018 PCA Trade Directory
- The Philippine National Standard (PNS) for Good Agricultural Practices (GAP) on Coconut



The Handbook contains relevant information on coconut products, their important properties, market performance and potentials, numbers and locations of processing facilities by region, as well as the list of suppliers, manufacturers, processors, traders and exporters of the different coconut products.

The development and crafting of the PNS for coco twines, coconets, cocologs, charcoal, activated carbon, charcoal briquettes, coconut wood and mature coconut in coordination with DTI-BPS and DA-BAFS and for coconut water beverage and vinegar, skim milk, palm olein, and palm kernel oil with FDA were also initiated.





Literature search for studies conducted supporting the various coconut products led to the production and printing of coconut product promotional materials highlighting the health benefits of coconut vinegar and coconut water and the versatility of coco peat as growing media which were distributed to all regions.

**Rehydration with Coconut Water**  
Human bodies lose fluids everyday due to natural movements while working. As humans sweat, urinate, defecate and even breathe, water is lost up to a maximum of 2.5 liters a day and need to be replenished to prevent dehydration. A good rehydration fluid such as coconut water is necessary to achieve balance and rapid recovery from fluid loss and provide the needed electrolytes to be absorbed by the bodies efficiently.

**NUTRITIONAL CONTENT**  
(Coconut Water: 100g/100ml)  
SUGAR (mg/100ml): 6.9 - 14.1  
Fructose (mg/100ml): 39.04 - 52.52  
Glucose (mg/100ml): 35.67 - 29.96  
Sucrose (mg/100ml): 0.87 - 4.36  
MINERALS (mg)  
Potassium (mg/100ml): 228.94 - 274.52  
Sodium (mg/100ml): 7.61 - 5.4  
Magnesium (mg/100ml): 22.09 - 20.87  
Calcium (mg/100ml): 8.75 - 15.19  
Iron (mg/100ml): 0.294 - 0.122  
Protein (mg/100ml): 0.041 - 0.042  
Total phenols (mg/100ml): 34 - 24.59  
VITAMINS (mg/100g)  
Vitamin B1 (Thiamine): 0.009 mg  
Vitamin B2 (Riboflavin): 0.007 mg  
Vitamin B3 (Nicotin): 0.009 mg  
Vitamin B5 (Pantoic acid): 0.002 mg  
Vitamin B6 (Pyridoxine): 0.002 mg  
Vitamin B9 (Folic acid): 7 µg  
Vitamin C (Ascorbic Acid): 2.4 mg  
AMINO ACIDS  
Alanine: 16.75  
Aspartic Acid: 3.6  
Cysteine: 6.97  
Glutamic Acid: 9.76  
Histidine: 1.95  
Leucine: 1.95  
Lysine: 1.95  
Proline: 1.21  
Phenylalanine: 1.21  
Serine: 2.93  
Threonine: 2.93

**Fuel your Body and Mind**  
Rehydrate with COCONUT WATER  
✓ Refreshing  
✓ Cholesterol free  
✓ Fat Free  
✓ Low Calorie Content  
✓ Packed with Vitamins and Minerals

**What can Coconut Vinegar do for you?**  
Helps correct acidity  
In landscaping, coconut is used as soil improver, i.e., materials added to soil to improve its physical structure or water holding capacity. It is used within parks and gardens and in the fields such as golf courses. In an event of soil to go by nature, the common medium which is prepared by mixing 3 mature in 1:1:1 proportion. It is suitable for stability, and water holding water requirement and range capacity, thus holds which is suitable for more fibrous roots and high quality plants with appearance and good shelf life as planted on it.

**BOOST Farm Productivity**  
Use COCOPEAT!

**NATURAL and HEALTHY COCONUT VINEGAR**  
Spice Up with  
exhibits antibacterial, antifungal, and antiviral properties. It is used as a home remedy for various ailments such as gastroenteritis (BV), vaginal infections, and urinary tract infections. It is also used in the treatment of skin conditions such as eczema and psoriasis. It is also used in the treatment of various types of cancer.

## Special Event for the Palm Oil Industry

The PCA field managers of the eight (8) oil palm growing regions attended the 11<sup>th</sup> National Palm Oil Congress organized by the Philippine Palm Oil Development Council, Inc. (PPDCI) held at Almont Inland Resort, JC Avenue, Butuan City on March 21-22, 2019.

This event served as a platform where stakeholders of the industry meet and share key information development initiatives, technological advances, financing programs and local and international trends and prospects. Moreover, the congress is aimed at improving understanding about the palm oil industry.



Photo 18. Images during the 11<sup>th</sup> Palm Oil Congress in Butuan City in 2019



Photo 19. Left: PCDM Frigediano E. Arcamo lecturing during the orientation training of Oil Palm farmer participants of Zamboanga Sibugay. Right: Actual field work



# Accomplishments for 2019

Research and Development Branch started its transformation in 2019 with the new directions to align to the New Thinking in Agriculture.

This was the year of crafting production researches in support to *Masaganang Ani* and product diversification towards achieving *Mataas na Kita*.

RDB focused on the development of production technologies in support of the national programs of PCA, responsive researches as solutions to the challenges of the industry and production of market-competitive products. RDB aimed of bridging research for development from merely research generation to technology transfer, utilization and commercialization. Despite the challenges in 2018 and previous years, for 2019, RDB set new directions to address the critical needs of the industry. High impact projects were initiated and innovative products were generated. For decades, the industry has been facing technological challenge which is low productivity (with only 47 nuts/tree/year) on a national average.



PCA 15-1 (CAT x LAG)



PCA 15-2 (MRD x TAG)



PCA 15-9 (TAC x TAG)



The three (3) most promising PCA Recommended Hybrids currently being mass-produced by PCA.

Despite the massive planting and replanting program from 2010 up to present the supply is not enough to address the increasing demand.

The logical solution is to plant high yielding cultivars and hybrids with potential of 150-200 nuts/tree/year.

Thus, the Coconut Hybridization Program (CHP) was funded from GAA with an investment of PhP 163M in 2018 to rehabilitate the existing mother palms and hybridization processing facilities in PCA established seedgardens and research centers. For 2019, the production of hybrids was continuously funded with a total budget of Php 163M. Most of the expenditures were utilized for the hiring of personnel as emasculators and pollinators. This activity requires specialized skills training and commitment to be able to produce the target hybrids. In addition, funds were also used for installation of pollen processing facilities and irrigation system. Among the 15 single-cross hybrids developed by PCA there were three recommended for its potential yield and basic traits.



# Coconut Hybridization Project

For this year, the Operations Manual and the Implementing Guidelines of the Coconut Hybridization Project were approved by the management. A total of 502,797 hybrids were produced by the two (2) PCA controlled seedgardens and the three (3) research centers.

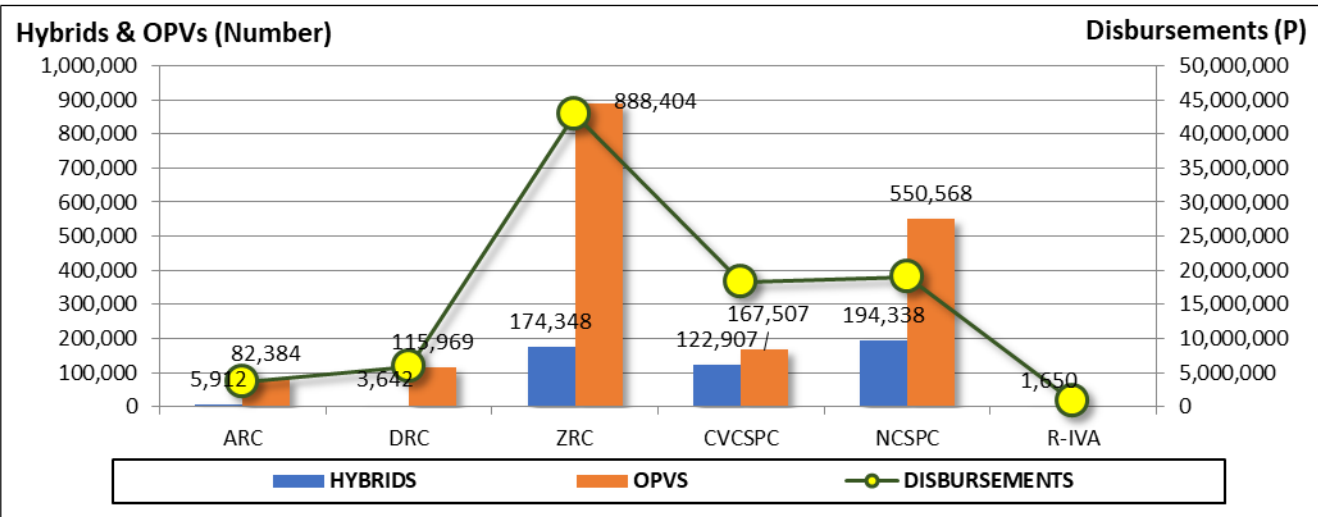
Out of the total production, 376,098 were distributed to the regions nationwide. In addition, 1,804,832 Open-Pollinated Varieties (OPVs) mostly dwarfs were produced and 1,079,922 were distributed.

To transfer the Assisted Pollination/Hybridization Technique, continuous trainings of extension workers and selected farmer-leaders from various regions were conducted in the Zamboanga Research Center. RDB as the lead unit of the project coordinated with regional offices for their hybrid and OPV requirements.



A five-year project entitled “Performance Evaluation of the Two-Pronged Coconut Hybridization Scheme in CALABARZON” was funded by DOST-PCAARRD which aims to be the source of quality coconut planting materials in Region IV-A. Two farmer-owned farms were leased by PCA as potential source of farmer-produced hybrids.

## Production of High Yielding Varieties and Disbursements

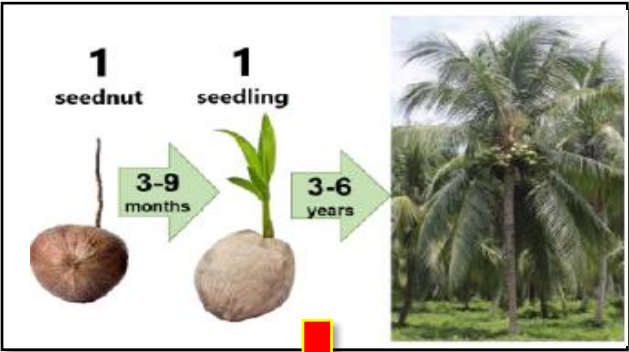


RESEARCH CENTER / SEEDGARDEN	HYBRIDS	OPVs	DISBURSEMENTS
Albay Research Center	5,912	82,384	3,575,993
Davao Research Center	3,642	115,969	5,794,426
Zamboanga Research Center	174,348	888,404	42,877,067
CVCSPC, Ubay, Bohol	122,907	167,507	18,279,568
NCSPC, Aroman, North Cotabato	194,338	550,568	18,953,691
Region IV-A	1,650		756,885
Others (C.O., Reg. 10)			159,133
Total	502,797	1,804,832	90,396,764

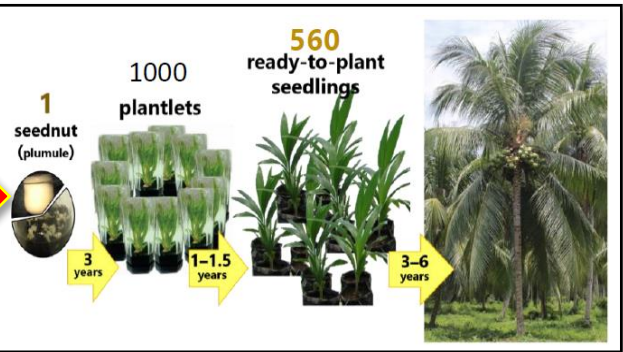
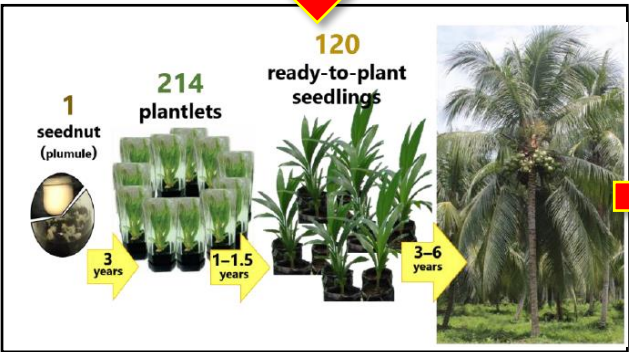
A total of 502,797 Hybrids and 1,804,832 OPVs were produced with P90,396,764 disbursed out of P163,106,000 total budget

# Coconut Somatic Embryogenesis Technology (CSEt) Development Project

## The CSEt Technology (Pole-Vaulting Solution to Mass Propagation)



High research investment was poured in this project because it is a breakthrough in biotechnology after 30 years. Philippines is next to Mexico in the global coconut biotechnology development. PCAARRD-DOST invested Php 250M to this project since it is a pole-vaulting solution to coconut mass propagation. This tissue culture protocol was developed by Albay Research Center to produce high number of plantlet from one plumule that will lessen the utilization of nuts in the conventional production of planting materials of one nut is to one seedling.



Aside from its potential in the mass propagation of planting materials, CSEt or the tissue culture protocol is the key to crop improvement as an advance tool in the molecular level of plant breeding. In 2019, from the generosity of PCAARRD-DOST seven tissue culture laboratories were upgraded with researchers who worked closely with PCA in enhancing the protocol. Researchers and laboratory staff were trained in various techniques of tissue culture and other related activities.

## CSEt Status and Projected Outputs

Stage	Existing Cultures as of Jan 2019	Projected Cultures*	Existing + Projection	Duration
Calloids	108,316		108,316	4 months onwards
Somatic Embryos	8,281	54,158	62,658	7 <sup>th</sup> Month
Regenerants	340	25,063	25,994	18 months (11 months from SE)
Screenhouse Stage	39	5,198	5,245	28 months
Field Planting		3,147	3,147	

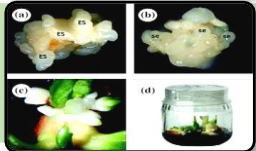
**Projection Estimate:** [1] 50% of Calloids will develop into Somatic Embryos [2] 40% of Somatic Embryos will develop into Regenerants [3] 20% of Regenerants will be established in Screenhouse [4] 20% to 60% will be Field-planted (ex-vitro grown)

## CSEt Project Outputs



### UPGRADED FACILITIES/TRAINING

- 7 tissue culture laboratories/provision of equipment
- Skilled CSEt researchers and laboratory staff



### PRODUCED CULTURES AT VARYING STAGES

- 108,316 calloids, 16K somatic embryos, 1026 shootlets and 394 plantlets and 58 ex-vitro plantlets (4 dwarf, 4 tall and 3 hybrid varieties)



### INCREASED NUMBER OF REGENERATED PLANTLETS

- Baybay Tall, MRDxTAG, CATxLAG and TACxTAG are the more responsive
- 21 inflorescence-derived palms and 19 out of 47 field planted palms are at bearing stage

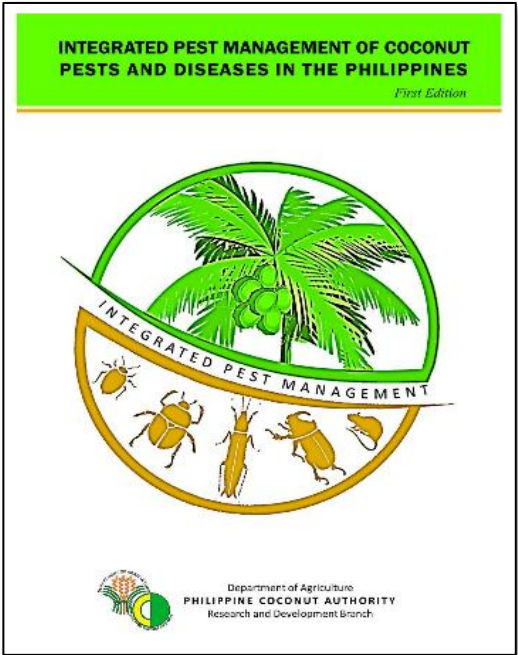


# National Integrated Pest Management (IPM) Project

In line with PCA’s mandate to develop and protect the coconut industry, the Research and Development Branch was tasked to manage the coconut pest and disease problems in the country. The coconut productivity programs of PCA (i.e. planting/ replanting program, fertilization) will become futile if pest outbreaks become uncontrolled and unmanageable.

**The ultimate purpose is to mainstream the coconut integrated pest management in every productivity programs.**

For this year, the Manual on Integrated Pest Management of Coconut Pests and Diseases in the Philippines was approved by PCA Management for dissemination to all PCA Regional offices and IPM Focal persons. This Manual served as guide in the conduct of the National IPM Training - Training of Trainors including the farmer leaders - representatives from all regions.



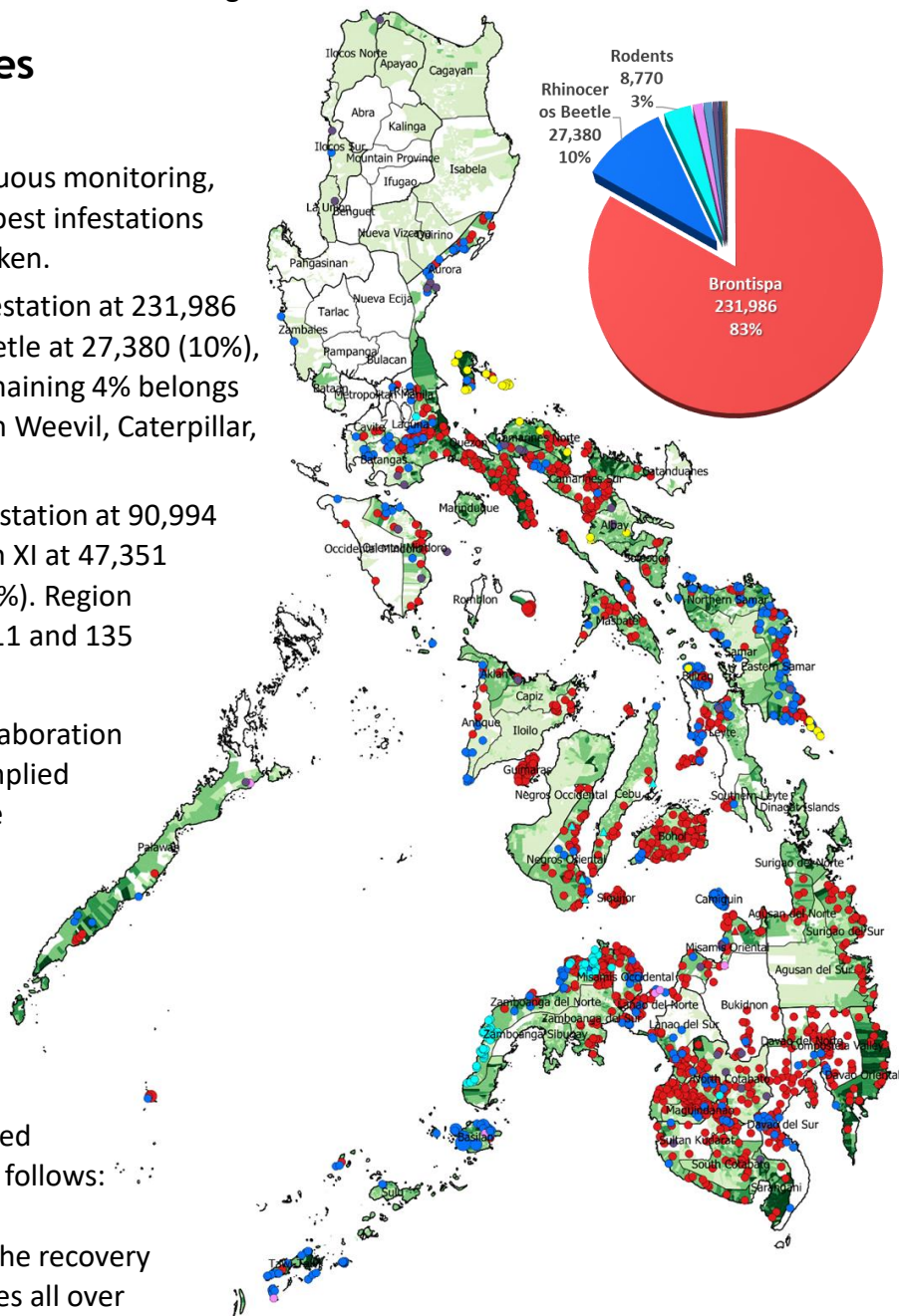
## Coconut Pests and Diseases in the Philippines

As component of IPM activities, continuous monitoring, surveillance and reporting of Regional pest infestations and treatments were regularly undertaken.

Brontispa had the highest reported infestation at 231,986 trees (83%) followed by Rhinoceros Beetle at 27,380 (10%), then by Rodents at 8,770 (3%). The remaining 4% belongs to other pests like Bud Rot, Asiatic Palm Weevil, Caterpillar, Leaf Spot, Mealybug, etc.

Region IX had the highest reported infestation at 90,994 infested trees (33%) followed by Region XI at 47,351 (17%), then by Region XII at 30,057 (11%). Region I and III had the lowest infestation at 111 and 135 infested coconut trees, respectively.

For the last three years, the RDB in collaboration with the PCA Regional offices have complied with PCA’s commitment to Governance Commission for Government Owned and Controlled Corporation (GCG) in the management of coconut pests and diseases. Strategic measure on the percent recovery of treated infested coconut trees was set by GCG. Total of 19% contribution to the PCA’s performance commitments was achieved in the past three years broken down as follows: 2017 – 6%, 2018 – 6%, and 2019 – 7%. For 2019, GCG increased the target in the recovery of all treated pest-infested coconut trees all over the country by 65%.



# 1<sup>st</sup> National Coconut Research, Development and Extension (NCRDE) Summit

The NCRDE summit was organized by the Philippine Coconut Authority through the Research and Development Branch in collaboration with the Department of Agriculture. It was attended by 176 individuals from various government offices, academes, private sectors, LGUs, PCA Central and Regional officers/field staff and coconut farmers. Distinguished speakers from PCA, DA, UPLB, and Private sector presented relevant presentations covering the following topics: [a] R&D State of the Art, [b] R&D Innovations and Advances, [c] Research Utilization and Extension, [d] Technologies and R&D Directions Towards Economic Opportunities, [e] Technology and Utilization, and [f] Technological Development towards Industrialization.



## The First Research and Development Summit after 45 years

Through the years coconut research breakthroughs and technologies were generated to support industry development. Apparently, research and development are the forefront of the development of the coconut industry. The growth of the industry was achieved thru numerous researches that paved the way for the country's economic impact in the vegetable oil global market being number one exporter of coconut oil and other coconut-based derivatives. Moreover, R & D helped set the direction of the industry as the champion in coconut production and other related coconut-based products in early years of its development. But, sustainability of R & D has been neglected and optimum utilization of technologies is overlooked for the past decades. This can be attributed to the limited promotion and dissemination of these research outputs and meager resource funds for R & D. Hence, research and development faced uncertainties in responding to the needs of the industry.

The coconut R&D summit served as the platform in uncovering the innovations and inventions to come up with responsive research directions. After 45 long years of unselfish commitment of the notable men and women of the coconut Research and Development in the country, 176 stakeholders attended the summit on December 11, 2019 wherein the status

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**It is therefore, a must to assess and identify notable science and technology outputs in a forum that will contribute in revitalizing the reputation of the coconut R&D tagged as the center of excellence by Asia-Pacific Coconut Communities (APCC) in the 90's.**

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of the coconut researches in the Philippines was assessed. R&D strengths and gaps identified during the action planning served as the basis of crafting ways forward to package sustainable and ecologically sound R&D programs. Through the generosity of DOST-PCAARRD and DA-BAR, this summit was realized as a major milestone for this year. PCA is indebted to these institutions for providing unselfish support and for many years of commitment as partners in the development of state-of-the-art R&D outputs.



**Distinguished guests, resource speakers, participants and event organizers during the 1<sup>st</sup> National Coconut R,D and E Summit.**



# RDB's Commitments to GCG

This year, through the initiatives of the newly-designated RDB Deputy Administrator and in consultation with the Governance Commission for Government Owned and Controlled Corporation (GCG), the standard research indicators were clearly defined through the 6Ps metrics: Publications, Patents, Products, People services, Policies and Partnerships.

Tangible targets were identified for every research discipline i.e. (1) Varietal Improvement, (2) Biotechnology, (3) Integrated Crop Protection, (4) Crop Agronomy, Nutrition and Farming Systems, (5) Food Product Development and (6) Non-Food Product Development. This resulted to the passing of four (4) strategic measures with one (1) deferred due to the uncontrollable weather conditions or “force majeure” events like typhoons and drought.

Research outputs that will support the successful implementation of various PCA programs and projects were aligned to address challenges of the industry.

STRATEGIC MEASURE [ Percent Contribution ]	Accomplishment		
	Target		Actual
SM 7a. Number of Planting Materials distributed from PCA Seedgardens: Hybrids [ 5% ]	Original: 599,732	Adjusted: 332,500	376,098
SM 7b. Number of Planting Materials distributed from PCA Seedgardens: Open Pollinated Varieties [ 5% ]	Original: 1,899,191	Adjusted: 1,291,800	1,079,922
SM 8. Percentage of pest-infested palms recovered after treatment [ 7% ]	65%		76%
SM 12. Number of approved R&D Manuals [ 6% ]	Three (3) Management-approved Manuals		Three (3) Management-approved Manuals
SM 13. Number of Coconut-Based Products (CBP) approved for commercialization [ 6% ]	Two (2) Management-approved CBPs		Two (2) Management-approved CBPs
Total Contribution = 24%	4 Passed, 1 Deferred		

Through the unified efforts of the RDB units, the Branch successfully accomplished various GCG commitments which includes production of high yielding coconut varieties, integrated pest management, production of R&D Manuals and coconut-based products ready for commercialization.





# Research Initiatives

Aside from these GCG commitments, RDB also accomplished various Research Initiatives for the year. These are the (1) Development of Coconut Cheese, (2) Design and Development of a Prototype Solar-Powered Dryer for the Production of "White Copra", (3) Coir Processing Technology - Coir-Based Composite Board, (4) Water Management Protocol, (5) CoprB Pests, (6) Coconut Hybrid Assisted Pollination, (7) Coconut Hybrid Hand Pollination, (8) Technology and Construction Manual on Cement-Bonded Coirboards, (9) Copra Quality - Aflatoxin - Monitoring and Assessment Report, (10) Organic Fertilizer Production, (11) Ex-Ante Analysis of Salt Fertilization Program, and (12) Production of Regional Coconut Planting Density Maps. Essential R&D support were also given to other PCA operating units. These are the (1) provision of technical recommendations on the establishment of regional coconut seedfarms, (2) ensuring that the KANIB Enterprise Development Project sites will generate their own income through the provision of coconut decorticating machines and other agricultural machineries, and (3) ensuring satisfaction of PCA customers from Laboratory Services Division as part of the PCA Frontline Services. The Laboratory Services Division analyzed 2,402 samples and released 1,778 laboratory results/reports with a total income of P4,991,230.00.



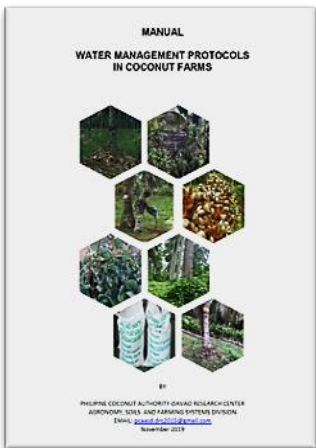
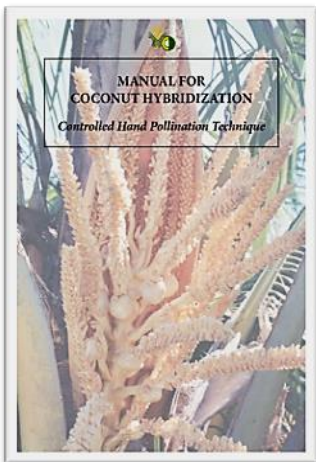
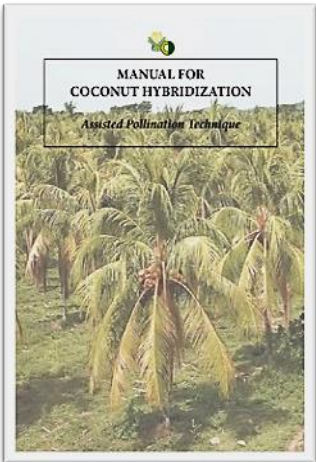
Prototype Solar-Powered Dryer



Coir-reinforced  
Cement  
Hollow Blocks



Coconut Biomass  
Charcoal and  
Briquette



Coconut Cheese

R&D Manuals



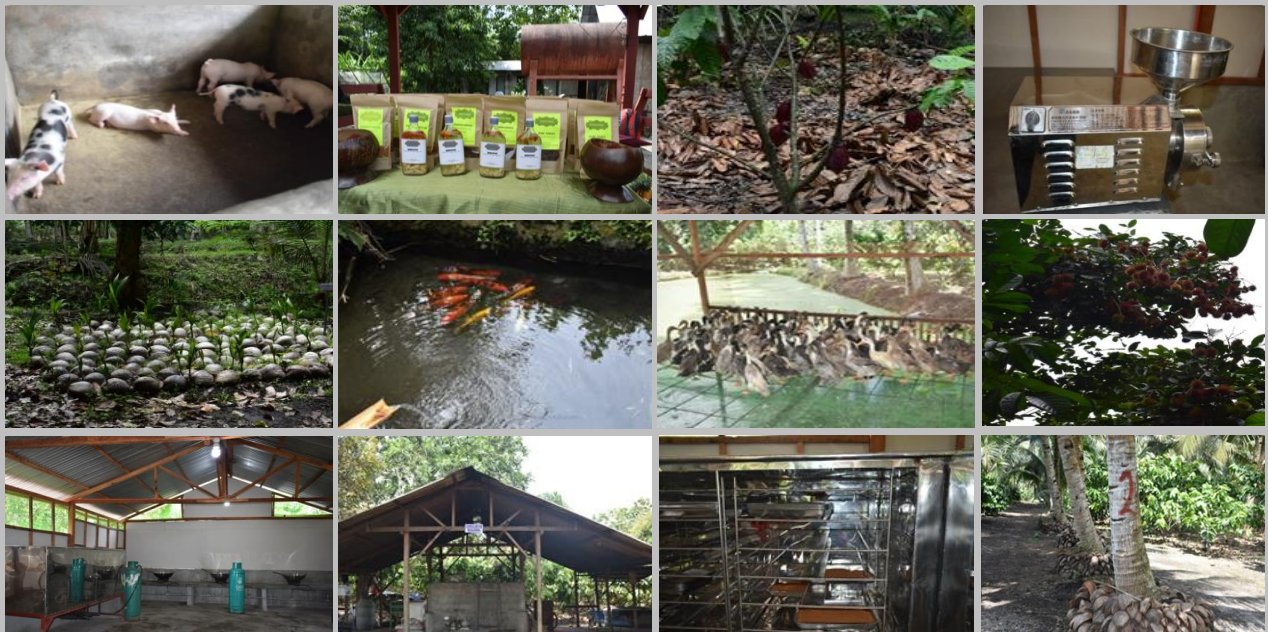
## SPECIAL FEATURE: 2019 GAWAD SAKA OUTSTANDING COCONUT FARMER

*"There are a lot of business opportunities available in a coconut farm."*



This is the proud statement of the 2019 Gawad Saka National Winner for Outstanding Coconut Farmer, Jesus F. Dignadice, Jr. of Brgy. Rubber, Polomolok, South Cotabato.

With a five hectare farm which he has cultivated for 15 years, Mr. Jesus F. Dignadice, Jr. has practiced integrated coconut based farming (crop-livestock aquaculture production) to maximize the utilization and potentials of his farm. He has been known to participate actively in PCA productivity programs including the Planting and Fertilization Programs. In fact, he practices mulching using coconut husks and fronds and pruned leaves of fruit trees for soil conservation. He also produces vermicast by utilizing farm waste. He is an avid advocate of Integrated Pest Management and has established his own irrigation system and an all-weather dryer for cacao and coffee.



For him, nothing goes to waste. Coconut residues are used as feeds for chicken and ducks and brine solution as herbicide.

When he planted 500 coconut trees composed of local tall, Tacunan Green Dwarf and Catigan Green Dwarf, he envisioned his farm as a future eco-tourism destination. And why not? The farm is teeming with many interventions and activities to learn from. Intercrops such as durian, cacao, coffee, papaya, lanzones abounds. A day in the farm offers not just fun and relaxation but a learning opportunity to know the business of growing coconuts!

***Indeed, Mr. Dignadice is an outstanding trailblazer by showing that there is money in coconuts!***

## SPECIAL FEATURE: AXELUM

*From liquid to solid, Axelum makes miracles from coconut milk*

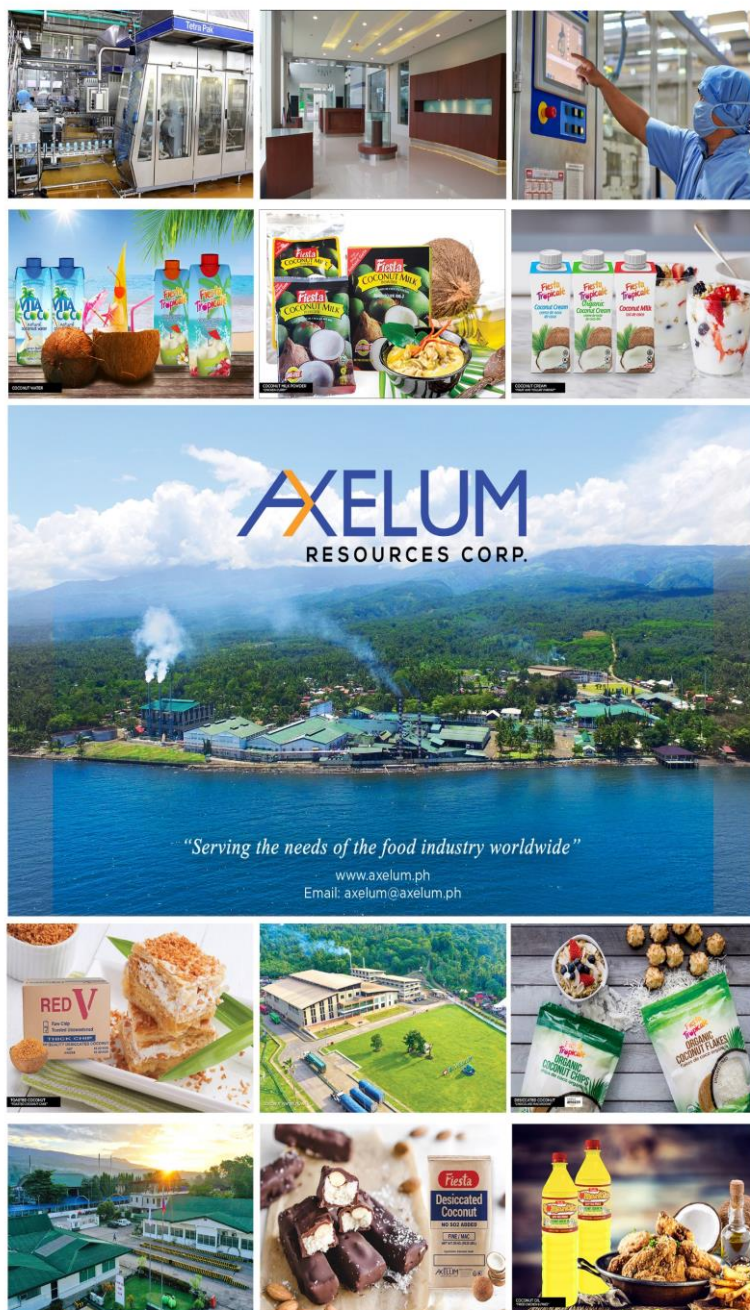
Newly listed integrated coconut manufacturer Axelum Resources Corp. has completed the PhP 250 Million expansion of the spray drying line of its plant in Medina, Misamis Oriental as it braces for growing global demand.

In a press statement on Wednesday, Axelum President Henry Raperoga said this expansion would double the plant capacity to 20 metric tons (MT) of coconut milk powder per day. This translate to an annual capacity of 4,800 MT.

*"The expansion utilizes the latest agglomeration technology in spray drying", explained Raperoga. "Agglomeration is a process that makes the powder more dispersible or soluble when introduced to liquid".*

The new spray drying line will allow us to develop new products from agglomerated – or instant – coconut milk powder, he said.

One such new product that Axelum seeks to develop is organic coconut milk.



Agglomerated Organic Milk Powder is a higher priced coconut milk variant – Axelum's response to growing global market for healthier products.

Excerpt from article of Doris Dumlao-Abadilla  
Philippine Daily Inquirer  
October 31, 2019  
Page B2-4



# CORPORATE SOCIAL RESPONSIBILITY

Foremost to performing its Corporate Social Responsibility is ensuring that the communities that the Authority serve are extended meaningful and relevant services.

The PCA Employees Association and the PCA Multipurpose Cooperative, in partnership with the Philippine National Red Cross, successfully organized a blood-letting activity on June 24, 2019 at the PCA Central Office.

Cognizant of the importance of voluntary, non-remunerated blood donation in saving lives of million Filipinos, several PCA employees share their lives voluntarily by giving their blood.



**Photo 20.** Enlistment of donors from PCA and other personnel from nearby government agencies ensured the success of the blood-letting activity

At the field offices, activities geared towards the provision of livelihood skills training on coconut byproducts were extended. In particular and as part of the focused Gender and Development Program, livelihood programs and women welfare activities designed to provide not just alternative income-enhancing activities but also activities that promoted awareness on the role of women in society and nation-building were also promoted.

Specific activities include:

- a. Training on coconut-based farming system
- b. Gender and sensitivity seminar
- c. Conduct of training of the Magna Carta on Women to coconut farmers organizations
- d. Annual celebration on Rural Women's Month and Pink October
- e. Seminars on improving work ethics, capability building and values orientation
- f. Seminars on Climate Change Awareness

The activities in 2019 are expected to further build momentum in 2020 as the Authority will reach out to more stakeholders to ensure the wholistic development of the socio-economic development of the coconut farmers.

# ADMINISTRATIVE REPORT

The development plans, program guidelines and procedures that highlights the improvement of personnel management and development programs, records management, property and procurement management, maintenance of building and facilities including the introduction of corporate social responsibility were given emphasis for the year. Specifically, and in partnership with the Information Technology Unit of the Bureau of Fisheries and Aquatic Resources, improvements on records and property management were given priority.

In 2019, the Authority garnered a rating of 96.4% in the spot energy audit for Government Energy Management Program of the Department of Energy. The PCA was cited for adhering to the best practices and policies for electricity and fuel consumption.

## HUMAN RESOURCE

The HRD has processed a total of 35 regular appointments; 11 at the Central Office for the rank and file positions and 24 appointments from the field offices. Further, a total of 1,342 contracts of services were also processed to augment the delivery and efficient implementation of programs.

The PCA was also able to complete its guidelines on Merit Selection Plans and the Program Awards, and Incentives for Service Excellence. Presently under review of the Civil Service Commission (CSC), the guidelines are expected to boost performance and employees morale.

The PCA also conducted its Annual Sports activities from April 1 - June 20, 2019, giving highlight and reminders for all employees to have a balance and healthy lifestyle.

## Capability Development Program

Enumerated hereunder is a comprehensive list of various trainings including in-house activity with details on participants, schedule and venues:

### TRAININGS CONDUCTED FOR CY 2019

TITLE OF TRAINING	DURATION	TARGET PARTICIPANTS	NO. OF PARTICIPANTS	VENUE	DATE
ORIENTATION SEMINAR ON CPR	1 DAY	PCA EMPLOYEES	25	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	JANUARY 29, 2019
SEMINAR ON STRATEGIC PERFORMANCE MANAGEMENT SYSTEM	2 DAYS	SENIOR OFFICERS AND PDO IV	44	QUEZON CITY	FEBRUARY 12-13, 2019
SPMS CASCADING WORKSHOP	3 DAYS	ALL PCA EMPLOYEES	120	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	MARCH 13-15, 2019
GENDER SENSITIVITY TRAINING	1 DAY	MEMBERS OF THE GAD FOCAL POINT SYSTEM FROM C.O. & SELECTED EMPLOYEES	30	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	MARCH 27, 2019
PCA GAD AGENDA PREPARATION WORKSHOP	4 DAYS	DMs / AOs / PDOs	41	CALAMBA, LAGUNA	APRIL 1-14, 2019
GENDER SENSITIVITY SEMINAR/TEAMBUILDING	2 DAYS	ALL PCA EMPLOYEES	120	TALISAY, BATANGAS	MAY 16-17, 2019
PROPERTY MANGEMENT INFORMATION SYSTEM (PMIS) AND E-PROCUREMENT SYSTEM (EPS)	1 DAY	SELECTED PCA OFFICERS AND EMPLOYEES	40	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	OCTOBER 4, 2019
DOCUMENT TRACKING SYSTEM (DTS)	1 DAY	SELECTED EMPLOYEES	45	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	OCTOBER 7, 2019
COACHING: RAISING PERFORMANCE TO THE NEXT LEVEL	2 DAYS	PDO IV AND SENIOR OFFICERS	43	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	OCTOBER 16-17, 2019
MALASAKIT	1 DAY	SELECTED PCA EMPLOYEES	45	8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	OCTOBER 22, 2019
SUPERVISORY DEVELOPMENT COURSE TRACK II	5 DAYS	SELECTED PCA OFFICERS AND EMPLOYEES	30	1ST BATCH - 8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	NOVEMBER 4-8, 2019
	5 DAYS	SELECTED PCA OFFICERS AND EMPLOYEES	30	2 <sup>ND</sup> BATCH - 8 <sup>TH</sup> FLOOR EXEC, LOUNGE, PCA	NOVEMBER 11-15, 2019

# FINANCIAL REPORTS

	2019	2018 Restated
<b>ASSETS</b>		
<b>Current assets</b>		
Cash and cash equivalents	1,005,022,575	518,238,029
Receivables - net	743,075,775	955,067,011
Inventories	182,828,950	153,224,835
Other current assets	12,425,743	18,366,299
	<b>1,943,353,043</b>	<b>1,644,896,174</b>
<b>Non-current assets</b>		
Receivables - net	2,953,434	4,840,416
Investments	88,515	88,515
Investment properties - net	7,761,634	8,504,727
Property, plant and equipment - net	888,461,860	818,788,418
Biological assets	399,718,438	553,940,281
Other non-current assets	25,116,974	23,946,413
	<b>1,324,100,855</b>	<b>1,410,108,770</b>
<b>TOTAL ASSETS</b>	<b>3,267,453,898</b>	<b>3,055,004,944</b>
<b>LIABILITIES</b>		
<b>Current liabilities</b>		
Financial liabilities	592,807,008	723,066,792
Intra-agency payables	54,848,303	72,672,741
Inter-agency payables	-	9,912,783
Trust liabilities	10,592,730	8,943,361
Other payables	50,073,652	54,612,735
	<b>708,321,693</b>	<b>869,208,412</b>
<b>Non-current liability</b>		
Provisions	220,396,660	344,523,152
Deferred credits/unearned income	21,851,021	21,547,711
	<b>242,247,681</b>	<b>366,070,863</b>
<b>TOTAL LIABILITIES</b>	<b>950,569,374</b>	<b>1,235,279,275</b>
<b>NET ASSETS (TOTAL ASSETS LESS TOTAL LIABILITIES)</b>	<b>2,316,884,524</b>	<b>1,819,725,669</b>
<b>NET ASSETS/EQUITY</b>		
Government equity	471,952,526	471,952,526
Accumulated surplus	1,825,076,998	1,327,918,143
Revaluation surplus	19,855,000	19,855,000
<b>TOTAL NET ASSETS/EQUITY</b>	<b>2,316,884,524</b>	<b>1,819,725,669</b>



	2019	2018 Restated
<b>REVENUE</b>		
Service and business income	424,613,582	372,807,931
Shares, grants and donations	552,075	-
	425,165,657	372,807,931
<b>CURRENT OPERATING EXPENSES</b>		
Personnel services	415,584,918	383,635,041
Maintenance and other operating expenses	1,626,516,550	1,710,408,691
Financial expenses	1,184	450
Non-cash expenses	80,289,027	208,262,733
	2,122,391,679	2,302,306,915
<b>DEFICIT FROM CURRENT OPERATIONS</b>	<b>1,697,226,022</b>	<b>1,929,498,984</b>
Net financial assistance/subsidy	2,062,690,150	1,373,549,227
Other non-operating income	114,641,090	216,808,797
Gains	5	175,228
Losses	303,416	43,206,424
<b>SURPLUS/(DEFICIT) FOR THE PERIOD</b>	<b>479,801,807</b>	<b>(382,172,156)</b>

	Government equity Note 32	Accumulated surplus/(deficit) Note 32	Revaluation surplus Note 32	Total
<b>BALANCE AT JANUARY 1, 2018</b>	<b>471,952,526</b>	<b>1,254,443,409</b>	<b>19,855,000</b>	<b>1,746,250,935</b>
<b>ADJUSTMENTS</b>				
Add/(Deduct):				
Change in accounting policy		(168,745)		(168,745)
Prior period errors				
Reversal of doubtful accounts expense		506,547,341		506,547,341
Distribution of equipment to farmer-beneficiaries		(44,211,120)		(44,211,120)
Adjustment on accrual of leave credits		(30,272,669)		(30,272,669)
Distribution of semi-expendable assets to end-users		(3,274,284)		(3,274,284)
Other prior period errors		13,260,997		13,260,997
<b>RESTATED BALANCE AT JANUARY 1, 2018</b>	<b>471,952,526</b>	<b>1,696,324,929</b>	<b>19,855,000</b>	<b>2,188,132,455</b>
<b>CHANGES IN NET ASSETS/EQUITY FOR CY 2018</b>				
Add/(Deduct):				
Surplus/(deficit) for the period		(382,172,156)		(382,172,156)
Additional investment from utilization of fund transfer		9,126,718		9,126,718
Disallowances and other payments		(22,759)		(22,759)
Additional investment in fixed assets held in trust		4,661,411		4,661,411
<b>RESTATED BALANCE AT DECEMBER 31, 2018</b>	<b>471,952,526</b>	<b>1,327,918,143</b>	<b>19,855,000</b>	<b>1,819,725,669</b>
<b>CHANGES IN NET ASSETS/EQUITY FOR CY 2019</b>				
Add/(Deduct):				
Surplus/(Deficit) for the period		479,801,807		479,801,807
Additional investment from utilization of fund transfer		17,067,444		17,067,444
Additional investment in fixed assets held in trust		(366,991)		(366,991)
Disallowances and other payments		659,280		659,280
Others		(2,687)		(2,687)
<b>BALANCE AT DECEMBER 31, 2019</b>	<b>471,952,526</b>	<b>1,825,076,996</b>	<b>19,855,000</b>	<b>2,316,884,522</b>

	2019	2018 Restated
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
<b>Cash inflows</b>		
Receipt of notice of cash allocation	2,062,690,150	1,373,549,227
Collection of income/revenues	626,354,751	421,771,848
Receipt of assistance/subsidy	19,500,811	-
Collection of receivables	200,855,972	52,106,821
Receipt of inter-agency fund transfers	307,925,491	20,786,683
Receipt of intra-agency fund transfers	311,244,077	59,003,271
Trust receipts	89,937,949	83,199,042
Other receipts	56,200,403	68,175,546
Adjustments	66,714,590	-
	<b>3,741,424,194</b>	<b>2,078,592,438</b>
<b>Cash outflows</b>		
Remittance to National Treasury	27,030	6,663,185
Payment of expenses	1,631,944,204	1,507,131,559
Purchase of inventories	85,720,397	75,378,069
Purchase of consumable biological assets	20,159,993	14,709,232
Grant of cash advances	91,966,140	149,453,591
Prepayments	1,111,326	1,366,530
Refund of deposits	581,498	669,525
Payment of accounts payable	311,948,414	183,301,201
Remittance of personnel benefit contributions and mandatory deductions	208,990,453	140,983,752
Grant of financial assistance/subsidy/contribution	419,319,269	10,399,498
Release of inter-agency fund transfers	46,430,719	10,986,835
Release of intra-agency fund transfers	246,257,645	35,507,063
Other disbursement	49,040,139	190,236,683
Adjustments	20,852,487	-
	<b>3,134,349,714</b>	<b>2,326,786,723</b>
<b>Net cash provided by/(used in) operating activities</b>	<b>607,074,480</b>	<b>(248,194,285)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
<b>Cash inflows</b>		
Proceeds from sale/disposal of property, plant and equipment	26,956	-
Receipt of interest earned	163,983	463,013
Proceeds from sale of other assets	14,260	-
	<b>205,199</b>	<b>463,013</b>
<b>Cash outflows</b>		
Purchase/construction of investment property	477,900	-
Purchase/construction of investment property, plant and equipment	118,928,344	118,841,397
Purchase of bearer biological assets	1,058,200	-
	<b>120,464,444</b>	<b>118,841,397</b>
<b>Net cash used in investing activities</b>	<b>120,259,245</b>	<b>118,378,384</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>		
<b>Cash Outflows</b>		
Payment of interest expense	1,308	-
<b>Total Cash Outflows</b>	<b>1,308</b>	<b>-</b>
<b>Net cash used in financing activities</b>	<b>1,308</b>	<b>-</b>
<b>INCREASE/(DECREASE) IN CASH AND CASH EQUIVALENTS</b>	<b>486,813,927</b>	<b>(366,572,669)</b>
<b>Effects of Exchange Rate Changes on Cash and Cash Equivalents</b>	<b>(29,381)</b>	<b>175,184</b>
<b>CASH AND CASH EQUIVALENTS, JANUARY 1</b>	<b>518,238,029</b>	<b>884,635,514</b>
<b>CASH AND CASH EQUIVALENTS, DECEMBER 31</b>	<b>1,005,022,575</b>	<b>518,238,029</b>



	Budgeted Amounts		Actual Amounts on Comparable Basis	Difference Final Budget and Actual
	Original	Final		
RECEIPTS				
Service and business income	646,339,935	646,339,935	424,613,582	221,726,353
Assistance and subsidy	1,251,356,000	1,251,356,000	280,074,000	971,282,000
Shares, grants and donations	2,921,425	2,921,425	552,075	2,369,350
Reprogrammed subsidy from prior years	2,104,283,356	2,104,283,356	1,782,616,150	321,667,206
Gains	-	-	5	(5)
Other non-operating income	-	-	114,337,674	(114,337,674)
	4,004,900,716	4,004,900,716	2,602,193,486	1,402,707,230
PAYMENTS				
Personnel services	596,057,684	449,059,000	415,584,918	33,474,082
Maintenance and other operating expenses	2,581,181,701	2,397,264,000	1,626,516,550	770,747,450
Capital outlay	827,501,331	827,501,000	120,464,444	707,036,556
Financial expenses	160,000	160,000	1,184	158,816
	4,004,900,716	3,673,984,000	2,162,567,096	1,511,416,904
NET RECEIPTS	-	330,916,716	439,626,390	(108,709,674)

# THE PCA GOVERNING BOARD ACCOMPLISHMENTS

The Governing Board, has strived diligently to ensure that the policy framework for programs and projects of the Authority are carried out efficiently.

There are two key milestone policies, among others that were made in 2019:

## **A. Approving the Non-Lifting of the Ban on Exportation of Matured Coconuts**

*(Board Resolution No. 079-2019)*

To address the declining copra prices that has prevailed since early 2018, Management conducted a series of consultations in the country in September and October 2019 to evaluate various proposals for the lifting of the ban on exportation of matured coconuts. As a consequence of the public consultations, the Management during the 10th Regular Meeting on December 2, 2019 recommended not to approve the lifting of the ban considering that there are more parties that hold a contrary view on the lifting of the ban. There were concerns on the effects of the raw material requirements of the manufacturing sector particularly as well as protection of the biodiversity of coconut. The PCA Board upon consensus, and as recommended by Management approved and confirmed the policy on the non-lifting of the ban on the exportation of matured coconuts.

## **B. Composite Settlement of PCA Fee Deficiencies in October 2019**

*(Board Resolution No. 025-2019)*

By virtue of P.D. 1468 as amended by P.D. 1854, the Philippine Coconut Authority was authorized to collect an amount equivalent to three centavos (PhP 0.03) per kilo of copra or husked nuts or their equivalent in other coconut products delivered to and/or purchased by copra exporters, oil millers, desiccators and other end-users of coconut products.

This imposition, otherwise referred to by law as PCA fees, was increased to six centavos (PhP 0.06) in 1996 and to PhP 0.12 in 2011. There was resistance at first from the oil milling companies but seven (7) years thereafter, only eighteen (18) companies did not comply with said increase, thereby incurring PCA fee deficiencies and interests.

To expedite settlement of PCA fee deficiencies and full implementation of the current PCA fee rate, Management filed criminal cases against officers of these oil mill companies which will provide for an avenue of settlement beneficial to both the industry stakeholders and the government.

Offers of settlement were received by PCA from the oil mill groups, requesting for waiver of interests in consideration of their present economic condition as a consequence of low domestic sales of coconut oil due to high importation of palm oil.

Pursuant to the authority issued to DA Roel M. Rosales as Officer-in-Charge of the Authority per Board Resolution No. 025-2019 dated October 7, 2019, to sign the Compromise Agreement and cause the withdrawal of cases filed in connection with the collection of the PCA fee deficiencies of several oil millers, Management entered into individual Memorandum of Agreement (MOA) with fifteen (15) oil millers which was finalized after a series of consultation.

In essence, the MOA provides that the oil millers shall pay a down payment of 20% of the principal PCA fee deficiency, with the option to settle the balance within one (1) year in twelve (12) equal monthly installments covered by post-dated checks to be submitted upon execution of said MOA.



Compromise settlement of disputed assessment is authorized under Section 7 of the PCA Charter, P.D. 1468. Significantly, the Office of the Government Corporate Counsel has issued its legal opinion No. 244, Series of 2019 dated October 11, 2019 affirming the authority and full discretion of the PCA, through its Governing Board, to waive any interest and surcharge incurred by the coconut oil miller arising from the disputed PhP 0.12 PCA Fees provided that the waiver will redound to the benefit of PCA.

The amount equivalent to six percent (6%) of the principal allocated for the implementation of project/s, in lieu of accrued interests, will be covered by another Memorandum of Agreement and guidelines forming part thereof.

For the period under review, the PCA Governing Board promulgated vital policy measure for the coconut industry as well as for the improvement of the institution. Foremost among the policy measure, are the following:

## CY 2019 BOARD RESOLUTION

HUMAN RESOURCES	FINANCE, AUDIT & RISK	PROGRAM & POLICY	SPECIAL COMMITTEE ON PHYSICAL ASSET UTILIZATION AND MANAGEMENT	COCOHUB	EXECUTIVE & GOVERNANCE
<b>BOARD RESOLUTION NO. 082</b> Approving the Proposed Prioritization of Filling-up of Vacant Positions	<b>BOARD RESOLUTION NO. 017</b> Authorizing the Internal Audit Service (IAD) to Conduct a Special Audit for All Transactions Made of the Management for the Period of January to August 7, 2019	<b>BOARD RESOLUTION NO. 018</b> Authorizing the Administrator to Invite the Oil Millers for a Meeting Re: Collection of PCA Fee Deficiencies on September 12, 2019	<b>BOARD RESOLUTION NO. 086</b> Approving the Memorandum of Agreement (MOA) Between the Philippine Coconut Authority (PCA) and Diwata Highlands Corporation of Surigao City, Surigao Del Norte for The Seed Farm Development Project (SFDP)	<b>BOARD RESOLUTION NO. 042</b> Approving Authority for the OIC-Administrator to Sign the Deed of Donation Between PCA and Mr. Anthony M. Aba for the PCA Led Coconut Hub Project in Cotabato City	<b>BOARD RESOLUTION NO. 002</b> Declaring the Election of Mr. Gonzalo T. Duque as Administrator of the Philippine Coconut Authority (PCA)
	<b>BOARD RESOLUTION NO. 022</b> Approving the PCA Corporate Operating Budget (COB) for FY 2019 (in the Amount of Php 4.004 Billion)	<b>BOARD RESOLUTION NO. 020</b> Approving the Conduct of Public Consultations on the Proposed Lifting of the Ban on the Exportation of Matured Coconut	<b>BOARD RESOLUTION NO. 087</b> Approving the Memorandum of Agreement (MOA) Between the Philippine Coconut Authority (PCA) and LGU-City of Mati in Mati City, Davao Oriental Represented by Its City Mayor Carlo Luis P. Rabat for the Seed Farm Development Project (SFDP)	<b>BOARD RESOLUTION NO. 044</b> Approving Authority for the OIC-Administrator to Sign the Addendum to Memorandum of Agreement (MOA) for Soro-soro Ibaba Multi-Purpose Cooperative	<b>BOARD RESOLUTION NO. 003</b> Resolution of Thanks and Commendation to Administrator Romulo J. De La Rosa

HUMAN RESOURCES	FINANCE, AUDIT & RISK	PROGRAM & POLICY	SPECIAL COMMITTEE ON PHYSICAL ASSET UTILIZATION AND MANAGEMENT	COCO HUB	EXECUTIVE & GOVERNANCE
	<b>BOARD RESOLUTION NO. 023</b> Approving the PCA Annual Procurement Plan (APP) for FY 2019 (in the Amount of Php3,434,657,432.23)	<b>BOARD RESOLUTION NO. 025</b> Approving the Settlement of PCA Fee Deficiencies and Authorizing the OIC-Administrator or His Duly Authorized Representative to Sign the Compromise Agreements and Cause the Withdrawal Of Criminal Cases Filed in Connection Therewith	<b>BOARD RESOLUTION NO. 088</b> Approving the Memorandum of Agreement (MOA) Between the Philippine Coconut Authority (PCA) and Camarines Norte State College (CNSC) Represented by Its College President Rusty G. Abanto, Ph.D. for the Seed Farm Development (SFDP)	<b>BOARD RESOLUTION NO. 045</b> Approving the Establishment of the Coconut Technology Innovation Center (CTIC) in Palawan	<b>BOARD RESOLUTION NO. 005</b> Resolution of Congratulating the Newly Appointed Secretary of the Department of Agriculture and Chairman of the Governing Board
	<b>BOARD RESOLUTION NO. 024</b> Approving the Grant and Payment of the FY 2016 Collective Negotiation Agreement (CNA) Incentive to All Qualified Employees of the Philippine Coconut Authority	<b>BOARD RESOLUTION NO. 043</b> Approving Authority for the OIC-Administrator to Sign the Amended Memorandum of Agreement (MOA) Between PCA And Gingoog Federation of Agricultural Multi-purpose Cooperatives (GINFAMCO) and Tagpako Free Farmers Cooperative (TFFMPC)	<b>BOARD RESOLUTION NO. 089</b> Approving the Memorandum of Agreement (MOA) Between the Philippine Coconut Authority (PCA) and Local Government Unit of Gingoog City (LGU-Gingoog City) Represented by Its Mayor Erick G. Cañoso for the Seed Farm Development Project (SFDP)	<b>BOARD RESOLUTION NO. 046</b> Approving the Transfer of Coir Equipment From Costales Nature Farms, Inc. to Integrated Sustainable Agriculture Plantation Workers Association (ISAPWA)	<b>BOARD RESOLUTION NO. 007</b> Approving the Proposed Conduct of the 55 <sup>th</sup> Session of the International Coconut Community (ICC) Ministerial Meeting Scheduled on 26-30 August 2019



HUMAN RESOURCES	FINANCE, AUDIT & RISK	PROGRAM & POLICY	SPECIAL COMMITTEE ON PHYSICAL ASSET UTILIZATION AND MANAGEMENT	COCOHUB	EXECUTIVE & GOVERNANCE
	<b>BOARD RESOLUTION NO. 028</b> Approving the FY 2020 Budget Proposal (Amounting to Php1,623,494,000.00)	<b>BOARD RESOLUTION NO. 051</b> Approving the PCA Program of Awards and Incentives for Service Excellence (PRAISE)	<b>BOARD RESOLUTION NO. 090</b> Approving the Memorandum of Agreement (MOA) Between the Philippine Coconut Authority (PCA) and Kulasian Elementary School "Deped Kulasian" for the Seed Farm Development Project (SFDP)	<b>BOARD RESOLUTION NO. 047</b> Approving the Proposal on Direct Copra Marketing Facility with Yakap at Halik Multi-Purpose Cooperative Quezon 2	<b>BOARD RESOLUTION NO. 078</b> Approving the Attendance of the Members of the Governing Board to the Seminar on "Revised Corporate Code" to be Conducted by the Institute of Corporate Directors (ICD) on 20 November 2019 at the Philam Life Tower, Makati City
	<b>BOARD RESOLUTION NO. 059</b> Approving the Contract of Lease Between Philippine Coconut Authority (PCA) And National Food Authority (NFA)	<b>BOARD RESOLUTION NO. 053</b> Approving the Merit Selection Plan (MSP)	<b>BOARD RESOLUTION NO. 091</b> Approving the Memorandum of Agreement Between the Philippine Coconut Authority (PCA) and the Various Coconut Farmers in Gala, Ozamis City, Misamis Occidental for the Seed Farm Development Project (SFDP)	<b>BOARD RESOLUTION NO. 048</b> Approving the Proposal of Bantohan Community Development Cooperative (BACODECO)	<b>BOARD RESOLUTION NO. 083</b> Designation of Dir. Conrado S. Capa to Coordinate with the Armed Forces of the Philippines (AFP) in Developing the Idle Properties of PCA
	<b>BOARD RESOLUTION NO. 060</b> Approving the Renewal of Contract of Lease Between Philippine Coconut Authority (PCA) and Bureau of Fisheries and Aquatic Resources (BFAR)	<b>BOARD RESOLUTION NO. 080</b> Approving the Proposed Measures to Address the Declining Prices of Copra Including Cash Assistance Program to the Coconut Farmers		<b>BOARD RESOLUTION NO. 049</b> Approving the Proposal Maymatan Farmers Multi-Purpose Cooperative (Maymatan FMPC)	

HUMAN RESOURCES	FINANCE, AUDIT & RISK	PROGRAM & POLICY	SPECIAL COMMITTEE ON PHYSICAL ASSET UTILIZATION AND MANAGEMENT	COCO HUB	EXECUTIVE & GOVERNANCE
	<b>BOARD RESOLUTION NO. 061</b> - Approving the Addendum to the Memorandum of Agreement (MOA) Between PCA and BFAR	<b>BOARD RESOLUTION NO. 084</b> - Approving the Request of the National Dairy Authority (NDA) Re: Proposed Setting-up of Dairy Farm Facilities at PCA-Davao Research Center (DRC)		<b>BOARD RESOLUTION NO. 067</b> - Establishment of Quezon Science and Technology Complex for Coconut (COCOQUEST)	
	<b>BOARD RESOLUTION NO. 064</b> Catch-up Plan to Utilize the Budget of PCA for CY 2019	<b>BOARD RESOLUTION NO. 085</b> Approving the Proposed Quality Manual of the Laboratory Services Division (LSD) for the ISO/IEC 17025:2017 Accreditation Requirements			
	<b>BOARD RESOLUTION NO. 070</b> Approving the Award of Contract to Advance Solutions, Inc. for the Supply, Delivery, Installation And Commissioning of Various IT Equipment				



HUMAN RESOURCES	FINANCE, AUDIT & RISK	PROGRAM & POLICY	SPECIAL COMMITTEE ON PHYSICAL ASSET UTILIZATION AND MANAGEMENT	COCOHUB	EXECUTIVE & GOVERNANCE
	<b>BOARD RESOLUTION NO. 071</b> Approving the Contract of Lease Between PCA and PFDA for the Period of April 1, 2018 to March 31, 2019				
	<b>BOARD RESOLUTION NO. 072</b> Approving the Proposal to Renovate Building Under Lease by PFDA				
	<b>BOARD RESOLUTION NO. 073</b> Approving the Award of Contract to M-2 Builders Corporation as a Single Calculated Bidder for the Construction of Central Office PCA-led Hub Building				
	<b>BOARD RESOLUTION NO. 075</b> Approving the Memorandum of Agreement (MOA) Between Philippine Crop Insurance Corporation (PCIC), the PCA and Land Bank of the Philippines (LBP) on the Implementation of Coconut Yield Insurance Product (CYIP) for the Coconut Farmers				

HUMAN RESOURCES	FINANCE, AUDIT & RISK	PROGRAM & POLICY	SPECIAL COMMITTEE ON PHYSICAL ASSET UTILIZATION AND MANAGEMENT	COCOHUB	EXECUTIVE & GOVERNANCE
	<b>BOARD RESOLUTION NO. 076</b> Approving the Award of Contract for Lot No. 3 of Public Bidding No. 07-2019 for the Supply and Delivery of Various PCA Vehicles (Nissan Commonwealth Inc.)				

The different Committees have completed the following approved Board Resolutions:

BOARD COMMITTEE	NO. OF APPROVED BOARD RESOLUTIONS
Executive and Governance Committee	20
Finance, Audit & Risk Committee	23
Human Resources Committee	23
Special Committee on Physical Asset Utilization and Management	6
Programs and Policy Committee	17
Committee on Enterprise Development	9

For CY 2019, the Governing Board had approved ninety eight (98) Board Resolutions.



# COMPOSITION OF PCA GOVERNING BOARD CY 2019



## WILLIAM DOLLENTE DAR, Ph.D., *Chairperson*

**Age:** 66

### Academic & Professional Qualifications

- *Doctor of Philosophy (Horticulture)*  
University of the Philippines, Los Baños, Laguna
- *Master of Science (Agronomy)*  
Mountain State Agricultural College, La Trinidad, Benguet
- *Bachelor of Science in Agricultural Education*  
Mountain State Agricultural College, La Trinidad, Benguet

### Date of Appointment

August 05, 2019

### Date of Incumbency

August 05, 2019 - Present  
*Ex-Officio Member*

### Board Committee Membership

- *Chairperson*, Executive & Governance Committee

### Others

- *Secretary*, Department of Agriculture
- *Director General*, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India
- *Executive Director*, National Agricultural and Fishery Council
- *Chairman-Coordinator*, National Agricultural and Fishery Council, Office of the President
- *Presidential Adviser of Food Security*, Office of the President
- *Executive Director*, Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCAARD-DOST)



## EMMANUEL "Manny" FANTIN PIÑOL, *Chairman*

**Age:** 66

### Academic & Professional Qualifications

- *Bachelor of Science in Development Community*  
University of Southern Mindanao
- *Master of Science in Rural and Economic Development*  
University of Southern Mindanao

### Date of Appointment

July 01, 2016

### Date of Incumbency

September 17, 2018 - August 04, 2019  
(*Vice Sec. Evasco, Jr.*)  
*Ex-Officio Member*

### Board Committee Membership

- *Chairperson*, Executive Committee
- *Chairperson*, Governance Committee

### Others

- *Secretary*, Department of Agriculture
- *Vice-Governor*, North Cotabato
- *Governor*, North Cotabato
- *Municipal Mayor*, M'lang, North Cotabato

# COMPOSITION OF PCA GOVERNING BOARD CY 2019



## CONZALO T. DUQUE, *Member/Administrator*

**Age:** 67

### Board Committee Membership

- *Vice-Chairperson*, Executive & Governance Committee

### Academic & Professional Qualifications

- *Bachelor of Arts in Public Science*  
San Beda College
- *Bachelor of Law*  
San Beda College

### Date of Appointment

July 15, 2019

### Date of Incumbency

July 15, 2019 – Oct. 14, 2019

*(Resigned)*

*Presidential Appointee*



## ROMULO JAGAPE DE LA ROSA, *Member/Administrator*

**Age:** 67

### Board Committee Membership

- *Member*, Executive & Governance Committee
- *Member*, Human Resources Committee
- *Vice Chairperson*, Finance, Audit and Risk Committee
- *Chairperson*, Program and Policy Committee
- *Member*, Board Committee for Coconut Enterprise Development (CocoED)

### Academic & Professional Qualifications

- *Bachelor of Science in Zoology*  
University of the Philippines (UP)
- *Master of Science in Business Studies*  
University of Buckingham

### Date of Appointment

January 20, 2017

### Date of Incumbency

January 20, 2017 - Sept. 6, 2019 (As Director)

*Presidential Appointee*



# COMPOSITION OF PCA GOVERNING BOARD CY 2019



## CONRADO SERRANO CAPA, *Member*

**Age:** 59

### Academic & Professional Qualifications

- Philippine Military Academy (PMA) Graduate
- Manuel L. Quezon University

**Date of Appointment**  
March 14, 2017

### Date of Incumbency

March 14, 2017 - June 30, 2020  
*Presidential Appointee*

### Board Committee Membership

- *Chairman*, Special Investigating Committee
- *Member*, Executive and Governance Committee
- *Chairman*, Finance, Audit, and Risk Committee
- *Member*, Special Committee on Physical Asset Utilization and Management

### Others

- *Member*, PMA Alumni Association
- *Member*, Police Cavaliers
- *Member*, Grand Lodge of Free and Accepted Masons



## ROQUE GENERALE QUIMPAN, *Member*

**Age:** 55

### Academic & Professional Qualifications

- *Bachelor of Arts – English*  
*Queen of Apostles College*  
*Seminary*

**Date of Appointment**  
March 14, 2017

### Date of Incumbency

March 14, 2017 – June 30, 2020  
*Presidential Appointee*

### Board Committee Membership

- *Vice-Chairman*, Human Resources Committee
- *Chairman*, Special Committee on Physical Asset Utilization and Management
- *Vice-Chairperson*, Program and Policy Committee
- *Vice-Chairperson*, Board Committee for Coconut Enterprise Development (CocoED)

# COMPOSITION OF PCA GOVERNING BOARD CY 2019



**MANUEL LUZANO SERRA, JR., *Member***

**Age:** 61

**Academic & Professional Qualifications**

- *Bachelor of Science in History*  
University of the Visayas

**Date of Appointment**  
August 01, 2018

**Date of Incumbency**  
August 01, 2018 - June 30, 2020  
*Presidential Appointee*

**Board Committee Membership**

- *Chairperson*, Human Resources Committee
- *Member*, Finance, Audit, and Risk Committee
- *Vice-Chairperson*, Special Committee on Physical Asset Utilization and Management

**Others**

- *Member*, Mindanao Environmental Forum
- *Officer*, Federation of Urban Poor, Davao City
- *Officer*, Chamber of Real Estate Builders Association



**ALAN PO TANJUAKIO, *Member***

**Age:** 49

**Academic & Professional Qualifications**

- *Bachelor of Science in Commerce - Major in Management*  
Divine World University  
Tacloban City

**Date of Appointment**  
November 07, 2016

**Date of Incumbency**  
November 27, 2016 - June 30, 2020  
Presidential Appointee

**Board Committee Membership**

- *Chairperson*, Board Committee for Coconut Enterprise Development (CocoED)
- *Member*, Program and Policy Committee
- *Member*, Special Committee on Physical Asset Utilization and Management

**Others**

- *Board Member*, Philippine Chamber of Commerce and Industry, Tacloban City



# COMPOSITION OF PCA GOVERNING BOARD CY 2019



**RAMONA PALABRICA GO, *Member***

**Age:** 62

**Academic & Professional Qualifications**

- *Bachelor of Science in Chemistry*  
Central Philippine University  
Iloilo City
- Master in Development  
Management

**Date of Appointment**  
September 17, 2019

**Date of Incumbency**  
September 17, 2019 – June 30, 2020  
(*Vice Dir. De La Rosa*)  
*Presidential Appointee*

**Board Committee Membership**

- *Member*, Executive and Governance Committee
- *Member*, Human Resource Committee
- *Chairperson*, Program and Policy Committee
- *Member*, Board Committee for Coconut Enterprise Development (CocoED)

**Others**

- *Volunteer*, We Care
- *Member*, Women in National Development and Security



**MARCEL CALLANGAN CUARESMA, *Corporate Secretary***

**Age:** 45

**Academic & Professional Qualifications**

- *AB Economics*  
University of St. Louis
- *Bachelor of Laws*  
Adamson University

# PCA KEY OFFICERS CY 2019



**ROMULO J. DE LA ROSA**  
*Administrator*  
(July 17, 2018 - January 10, 2019)



**GLENN B. SANTOS**  
*OIC-Administrator*  
(Jan. 11, 2019 - Aug. 07, 2019)  
*Deputy Administrator*  
Administrative & Finance Branch



**GONZALO T. DUQUE**  
*Administrator*  
(July 15, 2019 - October 14, 2019)



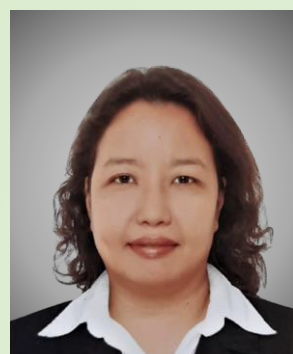
**ROEL M. ROSALES**  
*OIC-Administrator*  
(Sep. 26, 2019 - Jan. 26, 2020)  
*Deputy Administrator*  
Operations Branch



**ERLENE C. MANOHAR**  
*Deputy Administrator*  
Research & Development Branch



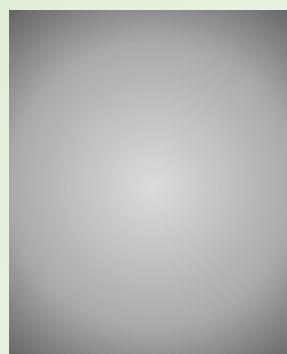
**MADELEINE M. CORPUZ**  
*OIC-Deputy Administrator*  
Administrative & Finance Branch



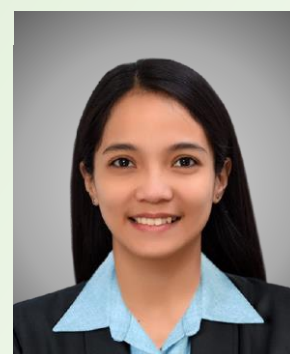
**ATTY. LIZA A. NOFUENTES**  
*Head Executive Assistant*



**LEA ANNA D. CUARTO**  
*Acting Head Executive Assistant*



**LORNA FAJARDO**  
*Head Executive Assistant*



**JOYCE ANN D. PADERON**  
*Acting Head Executive Assistant*

# PCA FIELD MANAGERS 2019

## Region I, II, III & IVB

### Mr. DENNIS D. ANDRES

*Regional Manager III*

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## Region VII, Mandaue City

### Mr. TIMOTEO R. LAGO, JR.

*Regional Manager III*

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## Region IV, Lucena City

### ATTY. ANDREW IAN P. EDRADA

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## Region VIII-Leyte

### Mr. JOEL O. PILAPIL

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## Region V, Legaspi City

### Mr. MATEO B. ZIPAGAN

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## Region IX, Zamboanga City

### Mr. EFREN P. CARBA

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## Region VI, Iloilo City

### Mr. JEFFREY A. DELOS REYES

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# PCA FIELD MANAGERS 2019

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## ARC-Albay Research Center

### **Dr. CRISTETA A. CUETO**

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## Region XII, Central Mindanao

### **Mr. DANILO R. CORPUZ**

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## Region XIII-Caraga

### **Mr. JOEL B. OCLARIT**

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## Zamboanga Research Center

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## ARMM-Cotabato City

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# PCA CENTRAL OFFICE MANAGEMENT FOR CY 2019

## OFFICE OF THE ADMINISTRATOR

### LEGAL AFFAIRS SERVICE

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## OFFICE OF THE CORPORATE SECRETARY

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## ADMINISTRATIVE AND FINANCE BRANCH

**Mr. GLENN B. SANTOS**  
*Deputy Administrator*

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LEA ANNA D. CUARTO  
*Vice Chairperson*

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