

# ANNUAL REPORT

**REGIONAL FIELD OFFICE-CARAGA** 







"The possibilities could be endless to level up Philippine Agriculture." - DA Secretary Dr. William D. Dar

The cover illustrates the "New Thinking for Agriculture" where it is built around the eight paradigms for productivity and profitability of farmers and fishers. The eight paradigms are Modernization of agriculture, Industrialization of agriculture, Promotion of exports, Farm consolidation, Roadmap development, Infrastructure development, Higher budget and investments for agriculture, and Legislative support. DA – Caraga gears up and rallies behind the goal to make the farmers and fishers prosperous. Hence, DA – Caraga has continuously steer the Agricultural sector of the region towards greater heights. Together, we can have "Masaganang Ani, Mataas na Kita."



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# MESSAGE FROM THE DIRECTOR

# 66

Without farmers, there will be no food. There is no future without agriculture.

The year 2019 was a challenge to both the department and the agriculture-sector of the region. Major setbacks and downfalls were experienced. However, agriculture is said to be the most resilient profession and industry in the world. It is dynamic and ever changing. It changes for the better and it adapts to whatever is new.

The Department of Agriculture – Caraga had evolved and adapted to the ever changing climate and situations of the region. We have changed for the better and we have prepared to face the changes.

This year, just like farming, we have started the footing in the right pace and in the right step. Production performance in most of our banner programs had increased as compared to the first quarter of the previous year. This is desirable and we hoped for this to continue. However, just like farming, setbacks and challenges came as you continue the production. This is the same as the production performance of the banner programs.

But, Agriculture as an art, a business, and a science, we had to change up and come up with a better plan and solutions in every setback and challenge that the agency had encountered. Fortunately, with competent and efficient brains of the department, we had come up with solutions to ease agricultural problems.

We are happy to help the countryside and the agricultural sector. We have implemented various programs for the agricultural sector. We are very proud that the Department of Agriculture has distributed various farm interventions and machineries.

The Department of Agriculture – Caraga stood firm to the challenge of the Department secretary which is "Masagang Ani, Mataas na kita". Through farm interventions and infrastructure development, the department helped farmers reduce their production costs and post-harvest losses.

We have anchored our farm interventions and support services to the eight paradigms of agricultural development placed by the DA Secretary Dr. William Dar. With the eight paradigms, we had come up with new thinkings in agricultural improvement. Initiatives of DA-Caraga were taken outside the box to deliver better, advance, and timely interventions to the farmers and farmer associations in the region.

DA-Caraga had continuously and will continue to help and give priority to the needs of our farmers. Without our farmers, we will have nothing to eat. They are our future. With the programs implemented, infrastructures built, and farm interventions given, I believe that Agriculture in Caraga Region will continue to grow and will continue to be fruitful.

In fact, some cities and municipalities in Caraga were acknowledged even at the national level. This means that Agriculture in Caraga is very promising. This year was a challenge but we have overcome this through DA – Caraga's initiative and the cooperation of our partnered LGUs, farmers, and farmer's association.

This year, we touched the younger generation and challenged them to pursue agriculture. We gave skills enhancement to our farmers, farmer's association, and agricultural technicians. We have launched the poverty alleviation program of the department. We will continue in our endeavors to everything in the agriculture-sector.

We plan for the future and we want to have it better. The year 2019 was rough, but we can humbly say that we have served our purpose. We have helped and assisted the agricultural sector and gave, to the very best of our capacity, a smooth production.

#### We say "Larga Caraga, Larga!"

Together we will make it happen. We have started from the bottom. We have nothing to go but up. We will because we can!



# PRODUCTION PERFORMANCE PALAY



#### Palay Production CY 2018-2019

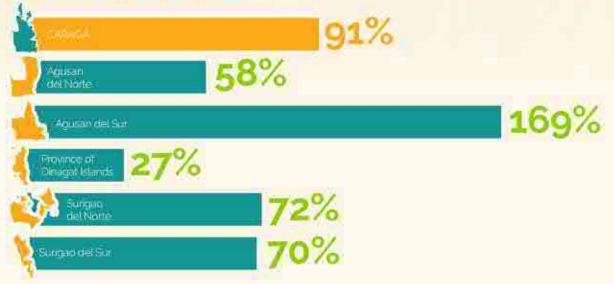
Volume of Production
Area Harvested
Yield

parts of the region such as Ampayon Diversion Dam in Butuan City, Tabon Diversion Dam in Hinatuan SDS, and Guitas Small Water Impounding System Project (SWIP) in Loreto, ADS.

To mitigate the effect of dry spell, farmers opted to plant other crops to sustain their income like corn and other high value crops.



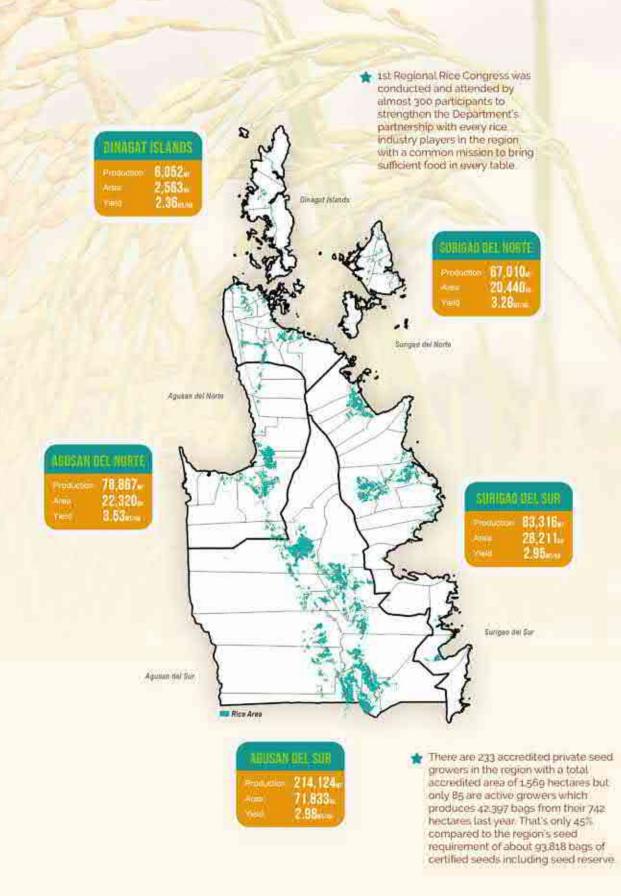
## CY 2019 SUFFICIENCY LEVEL



affected vast portion of rice areas in the region with a total of 2,593 hectares declared as totally damaged and 3,120 hectares were partially damaged. Also, the region experienced two Tropical Depressions Amang and Chedeng and a tail end of cold front which pulled down the annual performance. Further, damaged irrigation systems also cause the decline of the production for irrigated farm areas. Almost 2,000 hectares were not planted particularly in Trento, Agusan del Sur due to the rehabilitation of the Manat National Irrigation System (NIS). Other irrigation rehabilitation was conducted on various

Palay production decreased by 13.5% or 60,700.89

metric tons in 2019 over 2018 performance. Factors affecting the decrease in the production both for rainfed and irrigated was due to the mild El Niño that



# PRODUCTION PERFORMANCE



Volume of Production Area Harvested Yield

#### Corn Production CY 2018-2019

For 2019, corn production sustains its gains from 2018 increasing by 0.07 percent. The minor growth is attributed to the increase in area harvested which has an additional of 1,118 hectare or 3 percent increment but decreased in output per hectare with 3.59 metric tons, lower by 2.88 percent over the previous year's average yield. This is due to the prolonged drought experienced by the region.

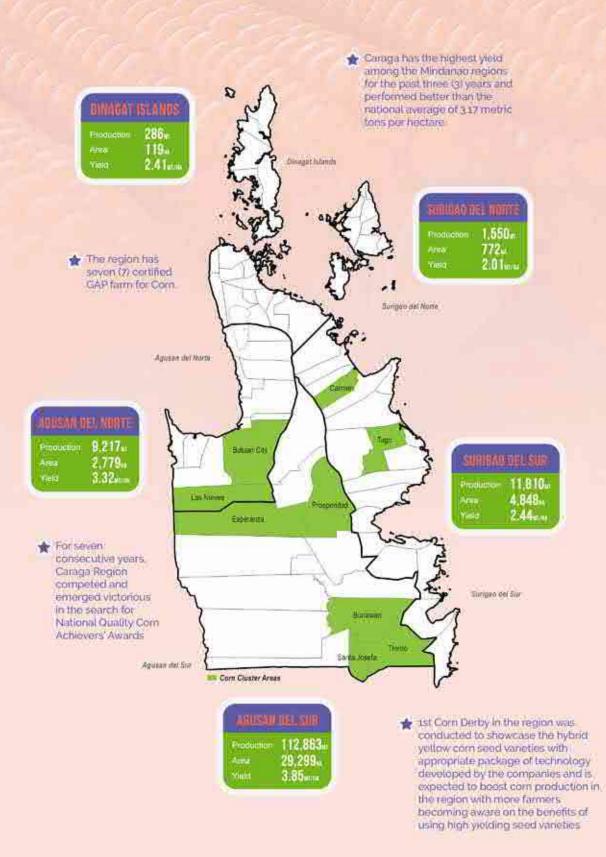


### CY 2019 SUFFICIENCY LEVEL (WHITE CORN)



#### CY 2019 SUFFICIENCY LEVEL (YELLOW CORN)





# PRODUCTION PERFORMANCE LIVESTOCK & POULTRY

# SWINE



#### PRODUCTION

Volume of production decreased by 0.48% from 40,689 metric tons in 2018 to 40,495 metric tons in 2019. Part of the hogs slaughtered in various abattoirs came from traders bringing in livestock from Davao, General Santos City and Bukidnon.

> Caraga has maintained its FMD and ASF free status

### INVENTORY

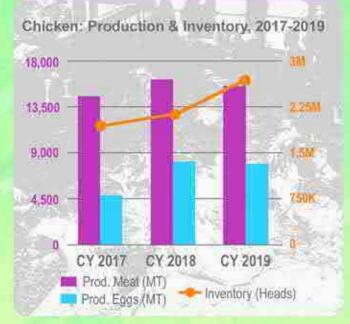
Swine inventory increased by 4.42% or 10,423 heads in 2019 over 2018 performance. Bulk of the hogs raised and produced in the region are grown in backyard farms which accounted for 93% in 2019 but over the years there is a slow rise of the produce from commercial farms from 5.5% in 2017 to 6.7% share in 2019. Commercial farms inventory grew by 21% in 2019 versus 2018 and Agusan del Sur contributed 48% of the inventory. A significant growth was recorded in Surigao del Sur, Agusan del Sur and Dinagat Islands with 40%, 31% and 22% respectively. Despite of the increase, inventory in Surigao del Norte dropped by 18% and Agusan del Norte by 12%. The main reasons for the decline were the culling of hogs due to the apprehension of raisers on the outbreak of African Swine Fever (ASF) in Luzon and closure of a commercial farm due to environmental problem.

Inventory in backyard farms has an increasing trend with 3.24% increase in 2019. Inventory is more or less evenly distributed to the 4 provinces between 23-25% while Dinagat Islands being the smallest and new province is pegged at 3%.



Swine industry is one of the major economic drivers in the region contributing 12.15% or Php 1.87B in 2019.

# CHICKEN



#### INVENTORY

Chicken inventory for all types constitute 96% of the total poultry inventory of the region. Native chicken accounted for 55% and for layer and broiler 28% and 17%, respectively in 2019. Number of heads increased by 21% and biggest gainer was layer with 64% and broiler 20% while native chicken slightly decreased by .05% on the same year.

For duck inventory for all types, a total of 6,020 heads or 5.4 % were declared as fall off in the total duck industry in 2019. Backyard and commercial farms decreased by 4,468 and 1,552 heads respectively.

### PRODUCTION

Chicken comprises 99% of the poultry production in the region. Production decreased by 4.8% or 746 metric tons in CY 2019. All provinces except Dinagat Islands had posted a decline where in the province of Surigao del Norte registered the highest decreased of 36.6% followed by Surigao del Sur by 14.8% and Agusan del Sur 7.1%. The decline is due to the outbreak of Avian Influenza in Luzon which affected the flow of supply of chicken. On the other hand, production of ducks increased significantly by 8.5% or 16 mt, compared to the volume of production in the past two years. Biggest contribution to the region's production was Agusan del Sur sharing 46.4%.

Chicken eggs constitutes 93.2% of the region's poultry eggs. In 2019, 62% of the total production emanates from Agusan del Norte. Agusan del Sur and Surigao del Sur shared 22% and 11% in production, respectively. Production performance slightly declined by 1.96% on the same year. Production of duck eggs also deflated by 10% with Surigao del Norte posted the highest slump from 106 metric tons in 2018 to 25 metric tons in 2019.

Caraga is still free. Despite being identified as the most vulnerable region for Avian Influenza because of its geographical feature which is suitable for stopover of migratory birds.

# PRODUCTION PERFORMANCE LIVESTOCK & POULTRY

Duck: Production & Inventory, 2017-2019

# DUCK

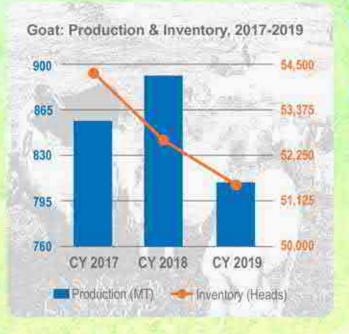
### PRODUCTION



Production of duck eggs also deflated by 10% with Surigao del Norte posted the highest slump from 106 metric tons in 2018 to 25 metric tons in 2019.

## INVENTORY

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# GOAT

## PRODUCTION



Goat production and inventory declined by 10.0 percent and 2.26 percent respectively in 2019.

# CATTLE

#### PRODUCTION

Cattle production in the region bounced back and posted a significant increase of 12.3 percent over 2018 deficit. A slight increase was also recorded at 0.4 percent in the inventory. Bulk of the inventory are raised in backyard which accounted for 97.9 percent. Though backyard farms showed a positive trend, the commercial farms decreased by 42.6 percent compared to 2018 performance.

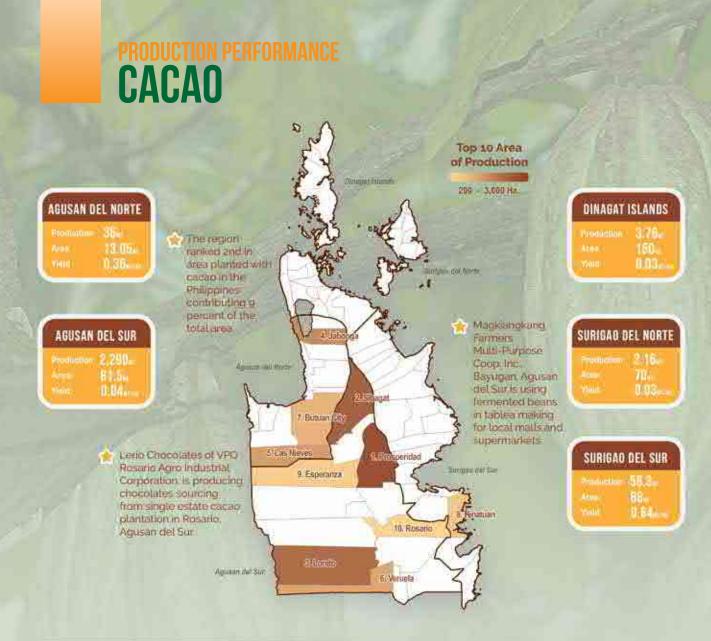


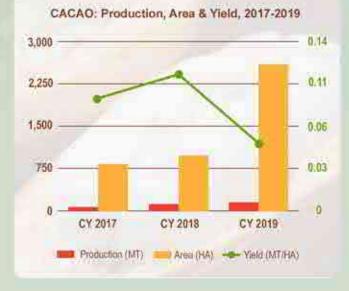
# CARABAO

#### PRODUCTION

Production of carabao on the other hand, registered a decreasing trend for the last three (3) years while inventory posted a meager increment of 0.10 percent in 2019. The increase in inventory both for cattle and carabao was attributed to the massive campaign in artificial insemination (AI) and stock infusion program of the department.

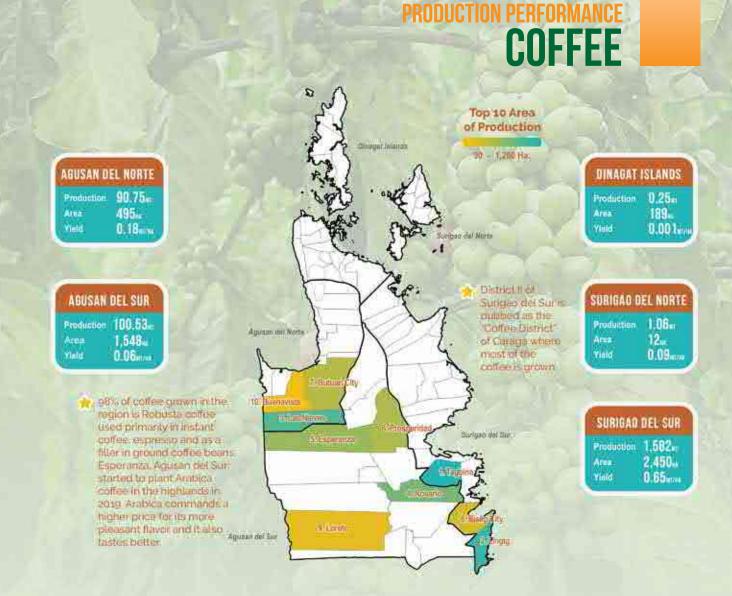


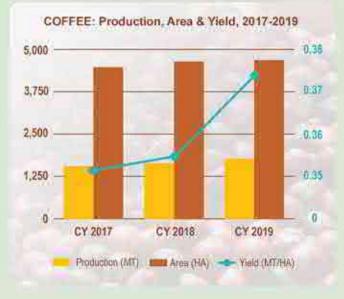




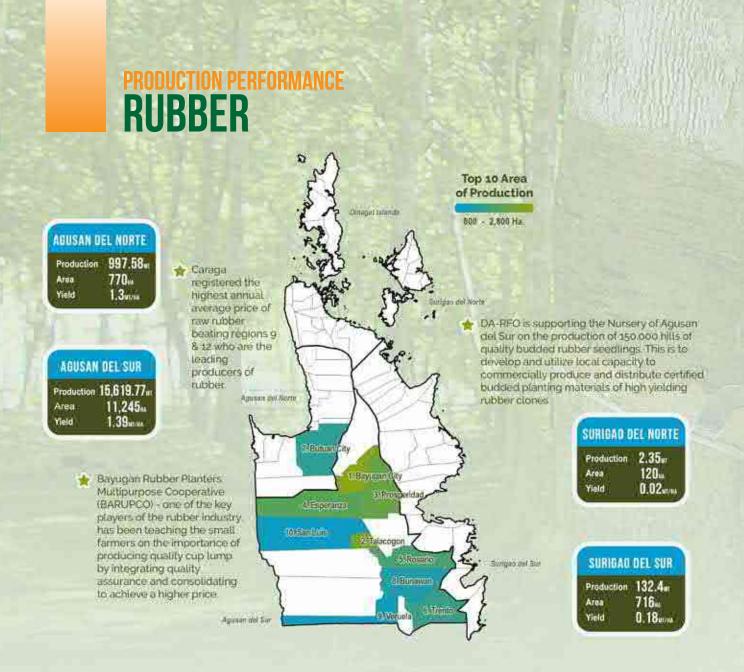
Cacao area in the region is increasing for the last 3 years. The region posted the highest increase in cacao area with 62 percent or 1,641 hectares in 2019. It registered a cumulative area of 2,634 hectares with 221,408 bearing trees on the same year. Biggest contribution is Agusan del Sur with 87 percent followed by Dinagat Islands and Surigao del Sur with 6 percent and 3 percent share, respectively. This positive result is due to the interventions provided by the department and other national line agencies.

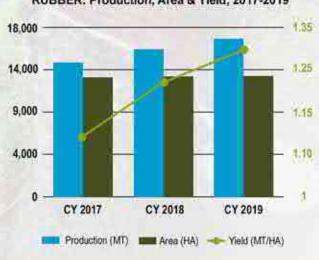
Volume of production of cacao increased by 49 percent from 80.71 mt in 2017 to 156.78 mt in 2019. The growth is attributed to the increase in area and Agusan del Sur contributed 52% of the total area. Surigao del Sur has the highest growth rate increase of 3.04%. On the other hand, average yield of cacao is 0.60 mt/ha. way below the optimum yield of 2 mt/ha understandably since most of the standing crop is still on non-bearing stage.

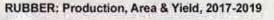




Production of coffee in the region bounced back for the last two years after dropping 13.6% in 2017. For 2019, production grew by 6.21% compared in the year 2018. The increase was partly attributed to DA's distribution of coffee planting materials last CY 2017 and below under the HVCD Program. Surigao del Sur is the top producing province contributing 89% of the region's production. Area planted posted a meager increase of 208 hectares for the past 3 years consolidating a total of 4,694 hectares in 2019 with Surigao del Sur sharing 55% while Agusan del Sur and Agusan del Norte contributed 33% and 11% respectively. The region consistently has the highest yield in Mindanao and higher by the national average for the last three years.



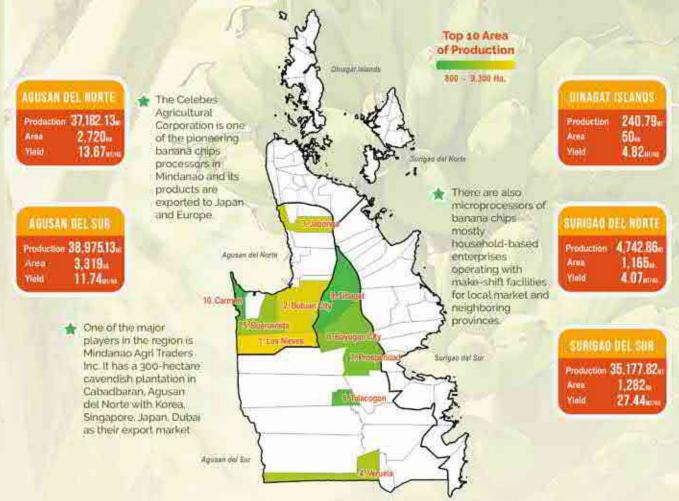




Rubber production in the region is increasing with an average growth rate of 8.5% for the last 3 years and contributes 3.9% to the national production. The increase is attributed to the improve tapping management of farmers and the premium price set by one of the leading cooperatives in rubber encouraging growers to produce quality cup lumps. Agusan del Sur is the main rubber producer in the region which accounts to 93% of the total production in the region. Yield is also consistently increasing and it registered highest at 1.3 mt/ha in 2019.

Agusan del Sur covers 88% of the total area planted for rubber in 2019 and the only province that has an increase in area for the last 3 years. To complement the Department's program, the province is implementing its flagship program the Upland Sustainable Agri-forestry Development (USAD) in which rubber is one of their top priority commodities.

# PRODUCTION PERFORMANCE BANANA



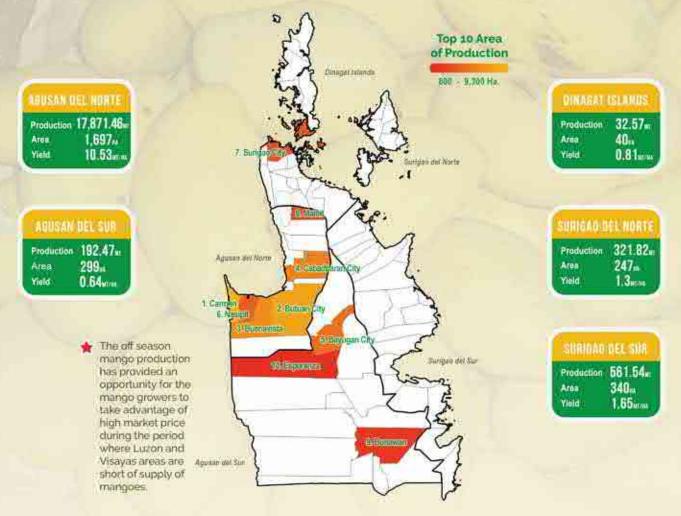


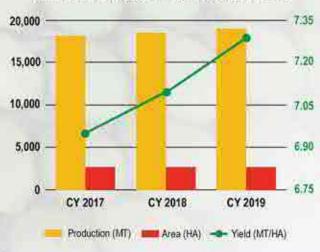
#### BANANA: Production, Area & Yield, 2017-2019

Banana production in the region is intermittent for the past 3 years. Production slightly decrease in 2018 but regained with an all-time high in 2019 posting 294,304 mt. Area planted to banana only increased by 2.2 % since 2017. Yield continues to have a positive growth for the past 3 years. The main banana cultivars grown in Caraga region are saba and cavendish sharing 40% and 35% respectively.

Surigao del Sur is topnotch producer with 137,295 mt or 47 % share of the region's production. Agusan del Sur and Agusan del Norte contributed 27% and 24% respectively. Average yield in Surigao del Sur in 2019 was 24.16 mt/ ha higher by 3.77 mt/ha compared to the national average of 20.39.

# PRODUCTION PERFORMANCE



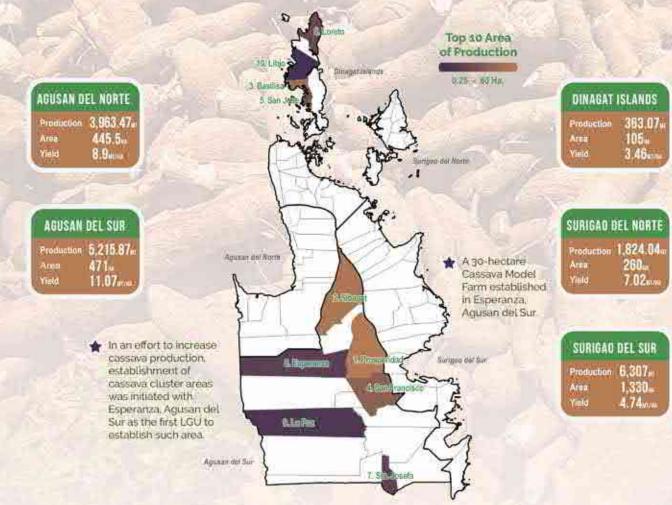


MANGO: Production, Area & Yield, 2017-2019

Mango industry in the region sustains its production with an average increase of 3.4% for the past 3 years, though, area planted recorded a drop of -0.37% on the same period. Despite the decline in area, the region consistently ranked 2nd highest in yield nationwide and in 2019 it registered an average yield of 7.24 mt/ha, higher by 3.28 mt/ha than the national average. The performance of the industry heavily relies on its production of fresh mangoes and the growers continue to adopt the off season mango production to address seasonality and reduce postharvest losses during the peak season.

Agusan del Norte continues to dominate the industry as the biggest producer of fresh mangoes which accounted to 94% of the total production volume of the region. The province posted the highest average yield of 10.53 mt/ha nationwide.

# PRODUCTION PERFORMANCE CASSAVA

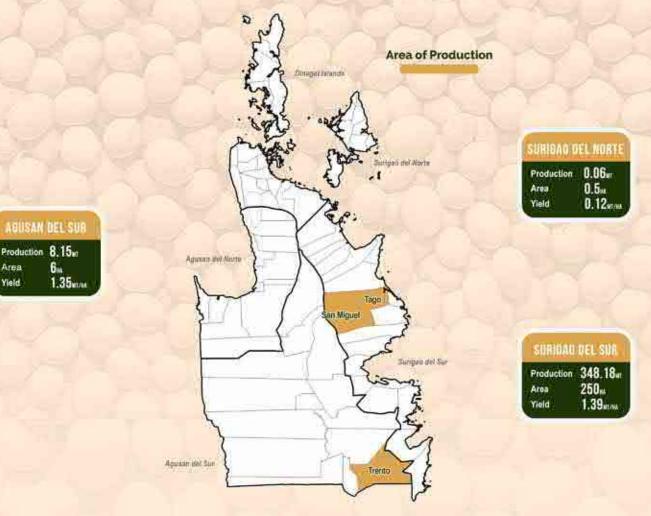


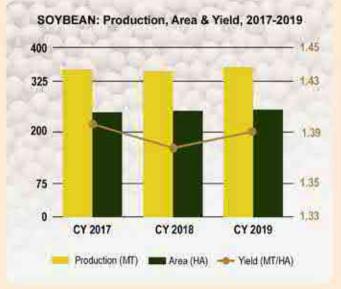


CASSAVA: Production, Area & Yield, 2017-2019

The commodity has a decreasing performance for the last four (4) years as farmers lost interest in growing cassava citing the problems on capitalization, processing and marketing. Cassava production reached 17,673 metric tons in 2019, a reduction by 24% versus 2018 output. Surigao del Sur registered the biggest drop with 53% followed by Agusan del Sur with 13%.

# PRODUCTION PERFORMANCE SOYBEAN





Production of soybean in the region is sporadic for the last three years. Production reached 356.39 metric tons in 2019 with a slight increase of 2.29 percent compared to 2018 performance. Soybean production is highly concentrated in the province of Surigao del Sur with 97.7 percent in the region's production. A small portion of production was also recorded in the province Agusan del Sur.

Area of the commodity is increasing for the last three (3) years with total area of 256.5 hectares in 2019.

Area

Vield

6

# PRODUCTION PERFORMANCE VEGETABLES

VEGETABLES: Production & Area, 2017-2019



Vegetable (Pinakbet) production has an increasing trend over the last 3 years. In 2019, the region's output registered at 18,875.86 metric tons or 7.1% increase over 2018 performance. Likewise, area planted posted an increasing growth. Eggplant recorded the highest increase both in production and area contributing 39.3% and 6.4% respectively. Eggplant, squash and bitter gourd posted an incremental yield for the past three years but string beans, ladies finger, bottle gourd and tomato registered a decrease in yield on the same period.

# PRODUCTION SUPPORT

# 72,420 KGS

of seeds were distributed to 2,898 individual farmers, 41 farmers' group, PLGUs, and MLGUs to augment production cost and ensure high qualityseeds for farmers.

## 718,019 KGS

718.019 kgs of seeds were procured and distributed as buffer to assist farmers who were affected by drought and mild El Niño that started on March, typhoon, and other environmental adversity.

## 432,958 PCS

of planting materials were distributed to assure farmers disease-free and superior varieties of fruit trees that projects potential increase in farmers' income.

# 17,860 KGS

of fertilizers and other soil ameliorants were distributed to improve soil health and increase crop productivity.

# **82 UNITS**

of production facilities were maintained. upgraded, and rehabbed to ensure full function of facilities and optimum performance.

15,565 individual farmers were served by the production support services given by the department hereby benefitting their farming practices.

## 699 HEADS

of animals were distributed to increas animal invetory. productivity, and improve breeding and genetics. 20 heads of Grand Parent Boars and 13 heads of Parent Stock Gilt were disemminated for stock infusion program throughout the PLGUs of Agusan Det Norte, Agusan Det Sur, Surigao Det Norte and Surigao Det Sur. 12 heads of goat and 90 heads of chicken were also allocated to organic practitioners. Ducklings and chicks were also distributed to clients from the Research and Experiment Stations. 60 individual farmers and 30 farmers' group benefitted in the animal distribution.

## **3,369 HEADS**

of animals were inseminated to increase production efficiency and better genetics. 479 heads of offspring were successfully produced. 145 heads of cattle, 331 heads of buffalo. 13 heads of goat

# 39,846 DOZENS

of drugs and biologics particularly multivitamins, electrolytes, anti-infectives, analgesics, anesthetics, parasympatholytic, sympathomimetic agents, and vaccines were distributed to the 5 provinces and some municipal LGUs in the region to invigorate animal production, prepare farmers for disease outbreaks, and ensure readily available drugs for animals.

# **128 UNITS**

of farm tools and paraphernalia were given to the farmers so that it could aid them in their farm management practices and support their production. Farm tools are essential for farmers' daily operation and better farm production.

**1,045** farmers groups received the support services and their members were able to benefit to the services given.

# PRODUCTION SUPPORT SERVICES TESTIMONIALS

Our association as well as individually have received seeds of different vegetables and fruits. The seeds distributed to our association were a great help to all our members. It helped a lot since seldom of the time when we go to agricultural supply stores, they don't have stocks of vegetables seeds. Personally, it really augmented the burden of looking for seeds. The seeds distributed to our association indeed assisted our members. The interventions received from the Department of Agriculture - Caraga made our association happy and thankful. We are extremely grateful to DA-Caraga especially to the seeds that were given to us because it eased our problem in procuring seeds from the stores. DA-Caraga has made some of our needs available for us that are very essential in our farms. I am grateful for all the support that the Department of Agriculture has given to us.



JAIME PELORINA Upper Dumalagan Farmers Association Butuan City, Agusan del Norte

We received rice and vegetable seeds from the Department of Agriculture in 2019. The seeds given to us were a great help in our living and farming. The Department of Agriculture - Caraga has continuously given us seeds for our farming endeavors. The seeds were used in both our backyard gardening and in a larger scale of gardening. The seeds given were very helpful because we can plant crops that not only can deed us but can give us income also. The interventions made us free from the food we need to eat and we were able to sell our produce. Some of our harvests were also brought to our food terminal that even created a wider market for our products. With this, all I can say to the Department of Agriculture - Caraga is that you helped us greatly. DA-Caraga has been truly committed to the farmers and the agency has given us interventions that can genuinely make the farmers happy and help the farmers in our farming ventures.



GREGORIO M. ORIG Former Chairperson, Esperanza Farmers Marketing Cooperative Carmen, Surigao del Sur



# **EXTENSION SUPPORT, EDUCATION** AND TRAINING SERVICES

To showcase the effect of proper fertilizer application and appropriate technology

*TECHNO DEMO* 

36 sites Fruits (Banana and Mango) and Vegetables

to attain high quality yield.



101 sites Industrial Crops (Cacao, Coffee and Rubber)

Caraga pioneered the development of areas for Sorghum Production starting with the establishment of technodemo in Del Monte Lowland and Rainfed Research Station to support the livestock and poultry industry.

# MODEL FARM

82 Rice Farmer Associations established Model Farms with provision of hybrid and inbred seeds along with other yield enhancing inputs

> Established a 30-hectare Cassava Model Farm in support to the cassava cluster areas initiated with Esperanza, Agusan del Sur as the first LGU to establish such area.

FRAINING AND OTHER TRAINING

Training improve shills on cultural management and product handling and to ensure safe and quality produce in the farm. Training on operation, repair and maintenance of small farm engine.

17 Training of Production and Processing

Established 16 Farmer Field School (FFS) showcasing rice production and post production technologies with 447 farmer-students graduates.

16 batches on Good Agricultural Practices for Vegetables, Corn and Industrial Crops (Cacao, Coffee and Cassava)

BROADCAST

### A 1-5 minuter TV

plugs of various information which is vital in forging support from stakeholders such as the campaign on African Swine Fever, Fall Army Worm, Mechanization and Hybridization were produced and aired at airports and seaports regionwide.

#### 30 kinds of radio plug on

various agriculture related advisories were produced by the joint undertaking of the **RAFIS**-initiated DA-Caraga Info Network (DACIN).

#### 5 radio programs

"Bahandi sa Kaumahan" continually captured the airwaves is maintained by farmcasters in the region and partners from Provincial Agriculture and Veterinary Offices.



# **PRINT MEDIA**

vfo campaign and advocacy

Development of **34,537** of various knowledge products such as technology brochures and Information Education materials benefitted more than **30,000** farmers, LGU partners, and students regionwide.

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SOCIAL

Agri-Barangayan conducted to engage the barangay captains and committees in agriculture and equip them with information on DA programs and projects and how to avail them so that in turn, they will be able to give their constituents the right information and guidance.

Information Caravan for the Youth and launching of localized advocacy through the Agri-Galing Info Campaign and 1st Agri-Galing **Competition on Infomercial** and Jingle Making Contest in partnership with the Agriculture and Fishery Division in the DA-Cental Office and Department of Education respectively to encourage participation of the youth to engage in agriculture-related endeavors and become advocates of agriculture causes to encourage the

youth to engage in agriculture.



DA maintains its Social Media Page in **facebook** as one potent toll in reaching diverse people with 322 updates where an average of 100 inbox queries in a month are served and has now more than **18,000 subscribers**.

#### "Caraga INFOcus: Agri hour"

was launched featuring various relevant programs and projects in agriculture in special partnership with the Philippine Information Agency (PIA). The program is live-streamed at the PIA FB page and copies of recorded segments were also aired at Cable stations regionwide.

Successful implementation of the different programs and projects of DA is in close collaboration and coordination with the Local Government Units and the services of 813 provincial and municipal agricultural extension workers (AEWs) and 101 Local Farm Technicians (LFT).

**1st Regional Rice Congress** - to strengthen the Department's partnership towards every rice industry players in the region with a common mission to bring sufficient food in every table

Livestock Outreach "Bayanihan" Program - Extend services to 35 hard to reach and far flung barangays such as artificial insemination (AI), pregnancy diagnosis, calf drop monitoring, blood sampling for Surra & Caprine Arthritis Encephalitis (CAE), virus surveillance and fecal sampling for gastro-intestinal parasites including vitamin supplementation.

# EXTENSION SUPPORT, EDUCATION AND TRAINING SERVICES **TESTIMONIALS**

The Rice Crop Management Advisory Service Training was one of the very good courses that the Department of Agriculture conducted. It was tiring yet enjoyable because after the lecture, we did hands-on and field works such as, farm lot registration using GPS application (Global Positioning System) and how to make a farmer's Identification Card using RCM Advisory Application as an application of the theory thought. I have gained a lot of knowledge and I found the course very useful, informative and applicable to my field of work as an Agricultural Extension Worker. Also, the speaker was very knowledgeable, especially sir Fil Babanto.



LEAH B. AMANDORON Agricultural Technologist Municipal Agriculturist Office, Rosario, Agusan del Sur

I am more than thankful for being one of the participants of the said training. As corn and cassava coordinator. I can now impart the knowledge and skills learned to our clients especially in women's sector (RIC). Thus, this could encourage income generating through corn husk utilization. Aside from leaving it decomposed for fertilizer, it can also be used as aesthetics decoration and garlands for invited visitors in times of ceremonies like graduation. It also promotes nutritious homemade foods for the family to minimize eating fast food.





LYDIA A. APATAN OIC, MA/ Corn and Cassava Coordinator Nasipit, Agusan del Norte



# MARKET DEVELOPMENT Services

# MARKET DEVELOPMENT



Local and International Fairs/Trade Events conducted/assisted to provide farmers and micro, small and medium enterprises (MSMEs) a platform to showcase and promote their products generating a total of Php 2.13M

TienDA ni Ani at Kita/Kadiwa were conducted in 5 provinces and 1 city which opened an opportunity for farmers to sell and promote their products direct to buyers. The initial activity led to the conduct of regular weekly TienDA of the concerned LGUs.



Tabo sa DA conducted every 2<sup>nd</sup> and 4<sup>th</sup> Friday of the month to provide venue for the local farmers to have an outlet for their produced.



market matching activities were conducted in support to the region's producers and processors.

#### Forged a supplier contract/agreements

SM City Butuan

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JIDA Aqua Resources (Bottled Bangus) Magkiangkang Multi-Purpose Cooperative (Tablea) ERMIX (Mangosteen Tea)

Pick and Packer



Caraga Vegetable Grower Network, Inc. (CARVEGROWN) (Vegetables)

#### **On-going negotiation**

SM City Butuan

Sumilihon-Taguibo Farmers Association (Banana) Ragas Farm (Fruits and Vegetables)

Casiklan Wheels Farmers Association, Inc.

Km7 Multi-Purpose Cooperative (Coffee)

One-Stop-Shop Agribusiness Center (OSAC) was constructed to make local agribusiness products available to consumers and customers and served as an information center for agribusiness matters in the region.



# **AGRIBUSINESS PROMOTION**

Through the investment forum



An OFW invested in mushroom production



Training on investment concept generation and packaging

investment concepts of priority commodities were prepared for potential investors.



# **AGRIBUSINESS INDUSTRY SUPPORT**



Monitoring of prices of agri-fishery products were regularly conducted in major public market places to provide real time prices and disseminated through DA-Caraga Radio Program.



Trading posts/centers and food terminals monitored on their progress and to address pressing issues and problems.



3 Entrepreneurial Trainings conducted to capacitate and strengthen local enterprises in the region.

# MARKET DEVELOPMENT SERVICES TESTIMONIALS

When I started farming two years ago, I was lucky enough to engage in DA Activities. Also, when I joined ASPIRE. I already had a product and the label of my value-added product was enhanced further. I can really say that this activity is a big help for us, newbies, where our market and linkage to buyers and agencies are still not very strong. Through this, we can gradually reach out to our buyers and consumers. I am extremely grateful to the Department of Agriculture – Caraga for their commitment to us.



BLEZEL B. BALMOCENA Owner, Zels Dragon Fruit Orchard Bancasi, Butuan City, Agusan del Norte

I applied the knowledge that I gained from the ASPIRE training that I attended. Farming is good but it is much better if we are going to process the raw material that we have to add value to our product to increase our income. I am working hard as I responded to the efforts of DA-ASPIRE. We are sincerely grateful to the Department of Agriculture – Caraga

"

EI O Ta

EMELIO G. AMERICA Owner, Ka Tribu Coffee Tandag, Surigao del Sur



# RESEARCH DEVELOPMENT

## **DA-IRRI COLLABORATIVE R&D PROJECTS**

#### **Rice R&D**

Accelerating the development & adoption of Next Generation rice varieties for the major ecosystems in the Philippines

Based on the results of the study the Participatory Varietal Selection, the top performing varieties cutting across sites except for saline ecosystem that can be used by the rice farmers in the region were identified.



Irrigated Low	land Ecosystem	Rainfed Ecosystem	Saline Ecosystem*	
Inbred Rice Varieties (mt/ha.)	Hybrid Rice Varieties (mt/ha.)	for drought condition (mt/ha.)	(mL/ha.)	
1. NSIC Rc400 - 4.44 2. NSIC Rc508 - 4.37 3. NSIC Rc226 - 4.31 4. NSIC Rc216 - 4.25 5. NSIC Rc510 - 4.19 6. NSIC Rc538 - 4.18 7. NSIC Rc422 - 4.78 8. NSIC Rc354 - 4.12 9. NSIC Rc222 - 3.87	1. NSIC Rc380H - 5.02 2. NSIC Rc432H - 5.02 3. NSIC Rc408H - 4.94 4. NSIC Rc490H - 4.86 5. NSIC Rc490H - 4.80	1. NSIC Rc222 - 4.97 2. NSIC Rc192 - 4.63 3. NSIC Rc428 - 4.19 4. NSIC Rc27 - 3.84 5. NSIC Rc472 - 3.68 6. NSIC Rc472 - 3.68 6. NSIC Rc430 - 3.52 7. NSIC Rc476 - 3.30	1. NSIC Rc122 - 5.80 2 NSIC Rc400 - 4.86 3. NSIC Rc462 - 4.77 4. NSIC Rc468 - 4.69 5. NSIC Rc466 - 4.10 6. NSIC Rc466 - 4.10 6. NSIC Rc470 - 3.95 7. NSIC Rc182 - 3.75 8. NSIC Rc454 - 3.62	

\* Trials conducted in the municipalities of Gigaquit. SDN and Lianga SDS

#### Pest Risk Identification and Management Surveillance for Early Warning System

Through this system, it will identify the risk factors of the pest outbreaks, map potential outbreaks risks and formulate integrated pest management strategies

Among the notable tiller injuries, deadheart caused by white stem borer was slightly high at 12.12% in April in the region. Farmers were advised to apply trichogramma japanicum.

During wet season, data showed that rice black bug was most dominant on the months of August, October and November with 0.01% and 0.10% average count per hill. It was recommended for farmers to use metarhizium to combat the pest.

#### Philippine Rice Information System

An operational system for rice monitoring to support decision making towards rice production

On-going data collection and verification through satellite images and ground trotting for data accuracy to establish a nationwide information system on rice that provide information on areas and yield at a particular location and time and information factors that are affecting the yield.

#### **Rice Crop Manager**

A comprehensive support tool for increasing yields and income of farmers

Under RCM Techno Demo, initial result showed that RCM fertilizer recommendation has a better yield of 5.12 metric ton/hectare than using farmer's field practice which only 4.40 metric ton/hectare across sites using the NSCI Rc400 rice variety.

## SUPPORT TO FOOD SUFFICIENCY

#### Mushroom Project (Trento RES and Del Monte LRRS)

3 species adaptive to local condition: White, Pink and Yellow Oysters



NCECCO, Esperanza, and Bitan-agan Women's Association, San Francisco in Agusan del Sur were adopters of the products developed by 2 stations, namely: mushroom polvoron, mushroom empanada and mushroom chili sauce.

## **OTHER REGIONAL COLLABORATIVE PROJECTS**

#### RICE

CPAR Rice - based

Integrated Farming System

based on the Participatory Varietal

Selection of the Next Gen project

nutrient recommendation. Using

an average yield of 4.11 metric

these technologies, FCs obtained

 29 Farmer - Cooperators (FCs) adopted the NSIC Rc400 rice

variety for irrigated ecosystem

following the RCM fertilizer

ton/hectare

6 ON-GOING STUDIES

#### CORN

#### 3 ON GOING STUDIES

**5 ON-GOING STUDIES** 

#### **OTHER CROPS**

#### 4 STUBIES ON COING

Cacao, Sweet Potato, Adlay and Herbs

On Sweet Potato - Findings showed that SP30, SP31 and Haponita varieties consistently provide high yield even without fertilizer application suggesting that these varieties are suitable in the area.

On Cacao - On yield performance of different cacao varieties, initial result showed the UF18 obtained the highest yield with an average of 35 kilogram/tree

# LIVESTOCK AND POULTRY

Performance of upgraded native pigs fed with "ramie-ramie" leaves with corn as basal diet - Initial findings indicated that 50% dried powdered ramie-ramie + 50% corn bran significantly has high weight gain compared to other treatments which translates to better carcass yield and therefore, better income.

#### Impact Assessment of Farmers Field School (FFS)

- Based on initial findings, average yield of Agusan Del Norte respondents increased by an average of 0.71t/ha after FFS implementation. Average vield of respondents from Agusan Del Sur also increased by 0.45t/ha but is relatively lower than that of ADN. Considering other factors constant (ceteris paribus) we can initially infer that if farmers will adopt the FFS-recommended technologies, their yield will definitely improve and so with their net income. On average, nominal gross margin or the nominal net income of respondents increased by as much as P24.000/ha after project implementation

# Conservation and management of Philippine

traditional corn germplasm - 210 accession were collected all over the region and 130 of these were subjected to seed increase and characterization through Shannon-Weaver Diversity Index (SSDWI) and Cluster Analysis.

#### CASSAVA

Initial finding on yield performance of Cassava varieties

intercrop with cash crops

 Cassava/Soybean: highest mean yield 18.78 metric ton/hectare; Net Income - Php 67,689.00

 Cassava/Com: mean yield 16.90 metric ton/hectare; Net Income - Php 45.329.00

 Cassava monocropping: lowest mean yield and income

#### SOYBEAN



Initial results showed that Manchuria variety in Agusan del Sur obtained an average yield of 1.26 metric ton/hectare while Tudeta black soybean in Surigao del Sur gained an average yiled of 1.6 metric ton/hectare.

#### Product development and commercialization of locally available agri-products in Caraga

#### 32 value-added products

developed and samples of these products are already submitted for shelf life and microbial analysis.



"Pinas Fries" won 4th Best Product during the National Technology Forum initiated by the DA-BAR.



# **RESEARCH DEVELOPMENT SERVICES**

In August, 2019, I started mushroom production with 10 fruiting bags from Delmonte Lowland Rainfed Research Station (Delmonte LRRS) as starter pack. Since I only started with 10 fruiting bags, I see to it that I get involved in every activity for me to learn the art of growing mushroom and do some research every time I discover something new. Starting with 10 fruiting bags freely acquired from Delmonte LRRS. I able to earn a net profit of P100 per fruiting bag on average for 3 months. translating to a monthly net income of P33 per fruiting bag. With that good income, me and my wife decided to level-up our passion for business by sourcing-out an additional of 200 fruiting bags from the Trento Research Station. From there, we became more aggressive and enthusiastic in growing mushroom until we decided to establish a small mushroom house and produce our own fruiting bags.

Our mushroom house can accommodate as much as 3,500 fruiting bags and currently, we producing an average of 300 fruiting bags per month. This success would not be possible if not for the support of the Research Stations - from their input provision down to their technical assistance. We started as a newbie to mushroom production and now, we reaping the fruits of our labor and we enjoying it

Aside that we earn extra income from this enterprise and having more time for each other and our kids, we have also helped our neighbors by providing employment thus, enabling them earn income as well.

While some youngsters may not be interested in the world of business. I found that I can be successful in doing business while working at the same time as long as he perseveres.





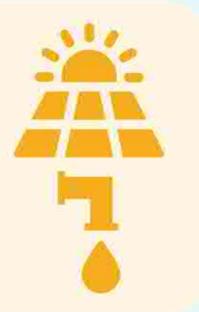
IAN CEASAR M. ALFON Owner, Alfon Mushroom Farm Bayugan City, Agusan del Sur





## 3 units Solar Powered Irrigation System

constructed/completed generating 30 hectares service area to make water accessible anytime, thus, increasing cropping intensity under 2018 Rice Program fund. Borbon Farmers Association in San Francisco. Agusan del Sur Florida Rice Farmers Association, Butuan City Amparo Farmers Association, Butuan City. 1 unit ongoing construction in Sta. Josefa, Agusan del Sur funded under CY 2019 with Malipayon Agrarian Reform Small Farmers Association (MARSFA) as the beneficiary.





## 4 units of Small Farm Reservoir

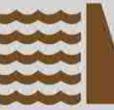
constructed to collect rainfall and runoff as supplemental source of irrigation for crops in 3 DA Research and Experiment Stations of the region

## **6 sites Diversion Dams constructed**

completed generating 168 hectares of rice area under CY 2018 Mechanization Program

### **5 Diversion Dam rehabilitated**

generating 60 hectares of rice area under CY 2018 Mechanization Program



## A total of **160 Group** Beneficiaries with a total cost of **Php 10M** under INS

211 units of pump and engine sets distributed and 15 units of Pump Irrigation System Open Source (PISOS) installed

> to different cooperative/associations for rice and vegetables areas servicing 678 hectares for continued supply of water during dry season.

### 66,200 meters HDPE Pipes along with 1,206 plastic drums

distributed to 93 groups of vegetable growers for irrigation purposes. The HDPE pipes distributed were able to connect 603 irrigation systems.

# IRRIGATION NETWORK SERVICES TESTIMONIALS

Our farming always ends up breakeven. Sometimes, we have to work outside our farms because of the low net income. Fueling water pump engines cost us a lot. It is a great advantage for us to use Solar Powered Irrigation System since instead of buying diesel for our water pumps, we can save the money for our family's consumption or even for the additional funds of our farms. It is indeed a big help to us. I am extremely happy that this community will progress in the future. Although we are from a remote area, because the government saw our needs, we can foresee our own development



MANUEL AMPO Chairperson, Lake Oro Farmers Association Brgy, Oro, Esperanza, Agusan del Sur

We are extremely happy that the Solar Powered Irrigation System was established here in our barangay because it is very difficult to farm without water. We are very grateful that the government gave us aid in our farming difficulties. This is very helpful because we can help send our students to school instead of financing more in fuel.



DIGNO C. NAVARRA President, Florida Rice Farmers Irrigators Association Brgy, Florida, Butuan City, Agusan del Norte



### **PROVISION OF AGRICULTURAL EQUIPMENT AND FACILITIES** SFRVICFS

# 1,393 units with total cost of Php 314.04M were given

to different groups of farmers to increase their volume of production with a minimal production postharvest cost.



## POSTHARVEST MACHINERIES AND EQUIPMENT

875 units with total cost of Php 184.28 M were distributed to 875 groups of farmer to increase farmer's income through reduction of postharvest losses.

2 units Warehouse 7 units Hauling Truck ш 67 units Combined-Harvesters

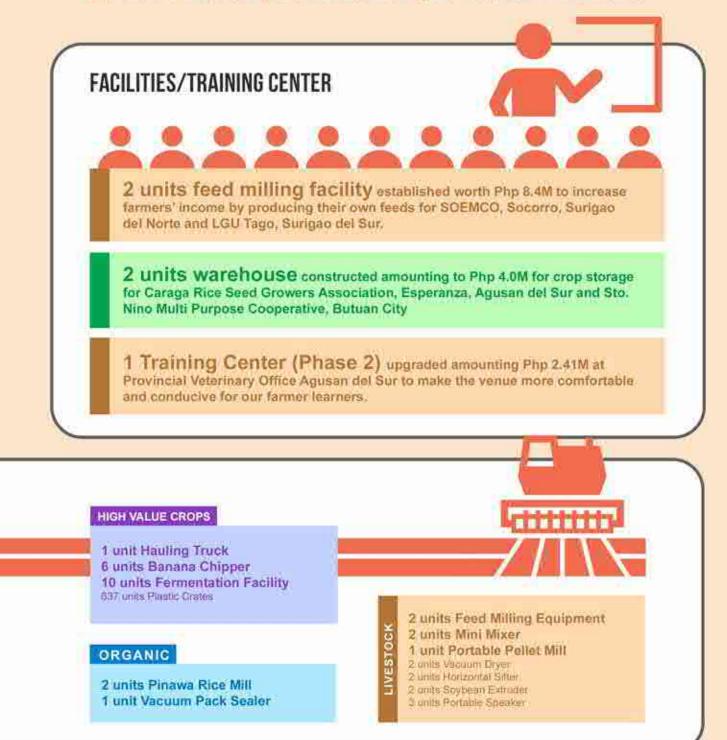
O 55 units Rice Thresher æ

15 units Recirculating Dyters

32 units Reapers

- 5 units Corn mill 1 unit Combined Harvester
- 1 unit Recirculating Dryer
- 1 unit Hammer Mill 7 units Corn Sheller
- 4 Units Cassava Grater with Presser
- 3 units Generator Set for Corn Mill
- 6 units Moisture Meter

Before the machine distribution, the programs together with the Regional Agricultural Engineering Division (RAED) will conduct Product Testing and Orientation on Operation and Actual Demonstration. This is to ensure that the delivered goods meet the required specifications and that the beneficiaries will be proficient in operating and troubleshooting their respective machineries.



# PROVISION OF AGRICULTURAL EQUIPMENT AND FACILITIES **TESTIMONIALS**

Before we were entangled with debts because we don't have enough finances to support farm operations. When calamity hits us, we struggled to recover due to the limited resources that we have.

We spend a total of Php. 5,000 to Php. 6,000 00 for labor per hectare in manual harvesting plus for every 100 sacks of palay harvested an additional payment of 8 sacks will be given to the hired laborers. It will take 2-3 days to harvest a hectare which posses the problem of unpredictable rains that could affect the said palay.

Our group has improved in these last few years. We can now generate additional income by providing services to other farmers at affordable service fee.

With that, we are grateful for the assistance of the DA to our group. As a way of giving back, we commit to provide efficient service to our fellow farmers.



GILBERTO PLAZA Chairman, Gamut Farmers Irrigators Group Inc. Barangay Gamut, Tago, Surigao del Sur

With the use of a farm machine, we, the women can even operate the rice transplanter or any farm machine since it does not require too much strength to do it.





EDITHA DEDUMO President. Barangay Anolingan Rural Improvement Club Esperanza, Agusan del Sur



# FARM-TO-MARKET ROAD NETWORK SERVICES

APROJECTS

ESS THAN 50% CONDUCTION **3 Projects** 3.333 Kilometers 277.4 Ha. of Area Served Php 39.13M Contract Cost 8,510 Households Benefited 25 Jobs Generated



**29 Projects** 41.023 Kilometers 6,996.1 Ha. of Area Served Php 281.38M Contract Cost 4,103 Households Benefited 123 Jobs Generated

**DA Regional Agricultural Engineering** Division (RAED) in coordination with DPWH District Engineers conducted quarterly meetings to discuss updates and provide resolutions to issues and concerns encountered in the course of implementation.

Joint validation with DPWH in coordination with LGU were conducted since 2018 to confirm and establish exact location for the conduct of preengineering activity of DPWH.

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DA RFO in coordination with the LGUs identify proposed sites and conduct validation and geotagging in accordance with purpose, objectives and implementation of the project

10ML

# COMPLETED



12 Projects 18.12 Kilometers 11,568.68 Ha. of Area Served Php 269.45M Contract Cost 8,510 Households Benefited 148 Jobs Generated

DPWH turned-over the completed projects to DA-REO, DA-REO is responsible in turning over the management and ownership of completed projects to LGU/ beneficiary which shall also be responsible for its operation and maintenance.

14 Projects 19.573 Kilometers 6,266.7 Ha. of Area Served Php 242.24M Contract Cost 7,010 Households Benefited 95 Jobs Generated

DA-RFO and DPWH conducted joint monitoring and inspection of the projects

By virtue of a Memorandum of Agreement Department of Agriculture (DA) and Department of Public Works and Highways (DPWH) agreed to collaborate in the implementation of farm to market road projects. The agreement specifically covers the repair/ rehabilitation/ construction of farm-to-market road projects in the sites identified by the DA.



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# FARM-TO-MARKET ROAD NETWORK SERVICES TESTIMONIALS

We are more than blessed and thankful to our dearest president Mr. Rodrigo R. Duterte for the implementation of the "Build, Build" program specifically the Farm to Market Road headed by the Department of Agriculture, and for giving us the opportunity to enjoy it's benefits. Actually, we've been dreaming and hoping for so long that one day the government will foresee the needs of some rural barangays, specifically the farm to market road aspects since it is the most important during the transportation of commodities. Through farm to market road, it is now easy for us to access our individual produce from our farms to its market thus this will lessen post production loss also, it will minimize production shrinkage specially for those high value crops.



DELINO S. DELABAHA Barangay Captain Mahaba. Cabadbaran City. Agusan del Norte

The residents and the farmer beneficiaries expressed their gratitude towards the project. Concreting of Brgy. Poblacion – Sitio Siwata, Bacuag. Surigao del Norte. The road is now passable with easy transport of agricultural goods down to the market. It also provided additional income to some of the residents of the area as they venture to putting up beach cottages since the project is not just accessible to the farmers but for the fisherfolks as well.





WILMA L. OPALIA Municipal Agriculturist Bacuag, Surigao del Norte

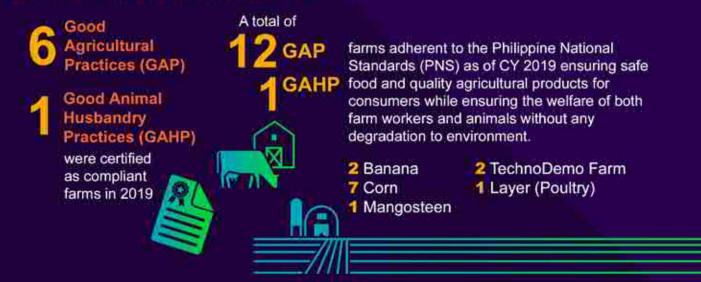




# BENEFICIARIES 10 groups and 135 individual beneficiaries

# **QUALITY CONTROL AND INSPECTION**

### **Certification and Accreditation**



### Inspection and Collection of Samples







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### Monitoring and Surveillance

### 117 animal handlers and transport vehicles



monitored to make sure that transport of animals must be provided with maximum comfort while in transit and minimize, if not totally eradicate, incidence of sickness and death and prevent any cruelty from being inflicted upon the animals.

# 65 or 162% increase in disease monitoring, surveillance and investigation



conducted to monitor status of animal and plant health in the region. DA intensified its monitoring and surveillance due to African Swine Fever (ASF) and Fall Army Worm (FAW) outbreak in Luzon. Data and findings are relevant in identification and mapping of possible outbreaks and in formulating strategies and pest advisories or forecasting.

# **REGISTRATION AND LICENSING**

# 128 regulatory

issued to feeds establishments and veterinary drugs and product outlets in compliance to RA 1556 or Livestock and Poultry and Poultry Feeds Act and RA 3720 or Food, Drugs, Cosmetics and Devices Act to ensure safe supply of feeds and veterinary drugs in the

market. A total of **Php 124,914.30** fees has been collected for the issuance of said documents.

168 documents evaluated and endorsed



to BAI for the issuance of regulatory documents



were registered in compliance to RA 8485 otherwise known as "Animal Welfare Act of 1998" to ensure safety and protection of all types of animals in the region.

# **TESTIMONIALS**

The GAP Training initiated by the Corn Program and Regulatory Division of DA – Caraga helped a lot in our farm practices. The training taught us to be prepared in terms of the things we have to use for our farm, to produce secured and safe food and, especially, how to make a site development plan that served as the blueprint of the whole farm. The inputs we learned were applied to our 4.6 ha. demo farm. We are very grateful to the GAP training because it helped us carry out farm activities in a well-mannered way. Also, during the training we were impressed with the resource speakers and lecturers because they are really experts and they were well-versed in the topics. The presentations were clear because of the skilled staff from the Department of Agriculture – Caraga. Questions during the training were also efficiently and effectively answered. Through these, the participants surely understood the training. We are truly grateful for the training that we had.



LEONITO C. PASQUITO LGU-Las Nieves Demonstration Farm PhilGAP Certified Brgy, San Isidro, Las Nieves, Agusan del Sur

Through the GAP for corn training promoted and facilitated by the Department of Agriculture Regulatory Division in partnership with our Municipality Agriculturist. It lightens my burdens. There's really a big difference between my farming practices and the good agricultural practices. By following the good agriculture practices protocol. I've learned the right way of farming specially in planting and management of corn production. Honestly before, from my 2 hectares of corn field I can only harvest a maximum of 3 metric tons per hectare but most of the time I failed. I was disappointed and discouraged to pursue my farming during those times, but since the day I participated the training and apply the protocols I've learned, from the production, harvesting and on-farm postharvest handling and storage of corn. I can now reap a maximum of 8 to 9 metric tons per hectare of yellow corn and from 15 metric tons to 3 metric tons per hectare of open pollinated corn variety. (OPV).

With this, I am more than thankful to the Department of Agriculture as well as to the Municipal Agriculturist Office for giving me strength, hope and an opportunity to continue my venture. This motivates me to continue farming since then.



FRANCISCO M. SANTUYA, JR. President, Municipal P4MP Federation Prosperidad, Agusan del Sur



# SPECIAL PROJECT PHILIPPINE RURAL DEVELOPMENT PROJECT

#### I-PLAN Investments in Planning at the Local and National Levels

#### **ENHANCING THE AFMP PROCESS**

Formulation/Updating of Value Chain Analysis (VCA)

Sardines With No Objection Letter (NOL)



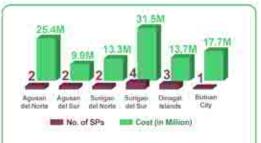
#### SUPPORT TO AFMP IMPLEMENTATION



The Province of Surigao del Sur satisfactorily amended their PCIP adding interventions that are eligible for project funding

Spearheaded the Training on Rubber Production for NCII with the Technical Education and Skills Development Authority (TESDA) and partner LGU of Agusan del Sur. This is part of developing competent farmers/ assessors for quality rubber production and area expansion.

#### I-REAP Investments in rural Enterprises and Agriculture and Fisheries Productivity

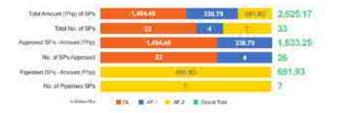


I-REAP component has 14 subprojects with a budget portfolio of Php 111,489,291.08. This represents 15.74% on the cost and 14.37% on the total subprojects of the Mindanao cluster. The Province of Agusan del Norte shares the biggest investment cost for I-REAP, followed by Surigao del Sur. Out of the 14 subprojects, 11 were approved while the remaining 3 are pipelined awaiting approval from the NPCO. Once implemented, these subprojects will benefit 4,199 farmers and fisherfolk.

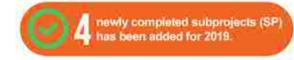


For the year, the Bangus Production and Marketing subproject of Surigao del Sur amounting to Php 16.549 M was the ione project issued with NOL

### -BUILD Intensified Building Up of Infrastructure and Logistics for Development



Of the 7 SPs pipelined under AF2, three (3) SPs were approved by the Regional Project Advisory Board (RPAB) and were submitted to the PSO for the issuance of NOL1



SUBPROJECT STAGE	NO. OF SPs	COST (M)
Completed (100%)	14	501.21
50% and above progress	5	018.36
Less than 50% progress	6	712.62
Approved by RPAB	3	292.16
Under FS/DED Preparation	4	398.77
TOTAL	33	2,524,13

SUBPROJECT TYPE	NO. SPS	COST on	LUNIT
Communal Imgation System	1	37.11	100 ha.
Farm to Market Road (FMR)	11	445.00	42.76 km
Other	2	19.10	m.pe
TRIAL	34	501.21	
Beneficiaries		15,597	100004740476
Firstreial Distancement			1175

#### I-SUPPORT Project Implementation Support



LGUs and Proponent Groups capacitated in the procurement of goods and civil works.



IEC materials were produced and distributed/released to showcase the accomplishment and best practices of the PRDP and to encourage other LGUs to participate and avail funds from the Project.



Provided technical assistance and monitored the compliance of LGUs, contractors and proponent groups to ensure that subprojects are not only technically feasible but are also environmentally sound and socially acceptable. 9



Citizens Monitoring Teams (CMT) created for the 3 new on-going SPs to boost the citizens' ownership and increasing their stake to the sustainability of the subprojects and Rapid Appraisal of Emerging Benefits (RAEB) conducted as one of the mechanism whether the desired outcomes are likely or unlikely to be achieved.

Continued innovation to further improve the utilization of

the geotagging tool and its use in the planning, reviewing

and monitoring subprojects and decision making of the

LGUs, contractors and the PRDP Management.



Quarterly Coordination meetings with Provincial/ Municipal/ City Project Management Implementing Units (P/M/CPMIU) and monthly Management Meetings were conducted to ensure that every aspect of subproject implementation is given proper attention and concerns are addressed promptly and accordingly

### MAINSTREAMING OF PRDP TOOLS AND PROCESSES



Regional Agricultural Engineering Division (RAED) adapted PRDP tools and processes such as the of Infrastructure Quality Monitoring Durability System (IQMDS), pre-construction conference, material testing and geotagging tools. PCIPs were utilized in proposal preparation for submission to other agencies.



Integrated Environmental and Social Safeguards Framework (IESSF) was discussed to personnel from DA Banner Programs to share and mainstream SES policy framework.

# PHILIPPINE RURAL DEVELOPMENT PROJECT TESTIMONIALS

The Lumads living here have seen the impact of the road in their livelihood. They're motivated to plant more commodities in the idle lands and they've also started to plant rubber threes since they're inspired by the concrete road that have given them easy access to the market.

ALBERTO T. AGUILAR Farmer and IP Representative Doña Maxima, San Luis, Agusan del Sur

Our farm products were just being carried by us with a basket to market since there was no road. There's nothing to worry this time for the rubber buyer can already come here. There's no more constraint in coming. They can already weight the products here including banana and other commodities.





ANGGAMAN A. ESCALICAS Barangay, Captain Murtola, San Luis, Agusan del Sur



## SPECIAL PROJECT SPECIAL AREA FOR AGRICULTURE DEVELOPMENT

To contribute in the reduction of poverty through increased food production and productivity in the target areas by providing the appropriate technology, financing, marketing and other support services in order to make farmers and fisherfolk productive and profitable.

The project's focus in CY 2019 as its base year was on production establishment on identified commodities in the two provinces **Agusan del Sur** and **Surigao del Sur** considered among the poorest provinces in the country.

	AQUEAN DEL SUR		COMMODITY	NO. OF POIES	ACCOMPLISHMENT
	Talacogon,	12-an	Abaca	5	Ψ.
	Rosario,	11-	Cacao	2	2
	San Luis, and Veruela	1151	Rice	1	1
194	BURGAD DEL SUR	E N	Goat	8	6
	Bayabas,		Native Chicken	9	2
	Bislig City,		Sweet Potato	1	1
	Carmen		Ube	1	1
	and Lingig		Corn	3	

		······································	1.09M
LIST OF INTERVENTION	UNIT	PHYSICAL	COST (PHP 000)
Rice Seeds	bags	30	43.7
Cacao	pieces	21,000	724.5
Camote	bundla	600	146.0
Ube	bundle	1,100	141.9
Fertilizers	bags	665	386.0
Chemical Inputs	liters	110	120.0
Native Chicken *	heads	250	2
Goat	packet **	6	7,975.0
Carabao (Draft)	heads	14	468.3
Feeds	bags	81	122.7
Stripping Machine (Mobile & Portable)	number	7	1,306.0
Hand Tractor with Implements	number	6	77.2
Egg Incubator	number	1	37.0
Farm Tools	number	105	77.9
Animal Housing with Fence	number	24	9,466.2

Sourced from Research Station
 ++ 1 Buck and 10 Does

Using of abaca stripping machine has a big difference compared to manual stripping. It makes the process easier and less costly. Through the use of abaca stripping machine, we can sell the abaca fibers as much as Php 90 per kilo compared to Php 55 for manual stripping. I have a plan to set a meeting where I can share the knowledge that I learned through this training especially on how to use and operate the stripping machine because most of them don't know how to use it. I am very grateful to the Department of Agriculture specially to SAAD Program. I have seen how difficult it is for people in the past but through the assistance of the program, the provision of planting materials, and if technologies will be brought to every farmer. I am absolutely sure that each farmer will improve.

GIL A. GABALES Chairman, Culiram SAAD Farmers Association Brgy, Culiram, Talacogon, Agusan del Sur



### **SPECIAL PROJECT ADAPTATION AND MITIGATION INITIATIVES IN AGRICULTURE**

One of the programs in the DA Systems-Wide Programs on Climate Change, the Mainstreaming Climate Change Adaptation and Mitigation Initiative in Agriculture (AMIA) aims to minimize the DA's institutional risks and protect government investment; and adjust development programs/projects and approaches to address climate change risks.



# CLIMATE RESILIENT AND VULNERABILITY ASSESSMENT

Assess exposure, sensitivity and adaptive capacity of the agri-fisheries sector to climate change, identify and prioritize provinces-specific climate risk that threaten the resilience of the agri-fishery communities and to plan and design climate risk responsive research and development interventions to build resilience among agri-fishery communities



Dinagat Islands and Surigao del Norte

**90**%

accomplished on data collection for CRVA and adaptive capacity

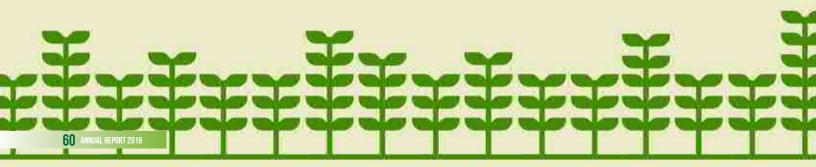


Agusan del Sur and Surigao del Sur

briefing and consultations for the conduct of CRVA



Coordination and monitoring of the AMIA Village with Jabonga, Agusan del Norte. Climate Resilient Field School (CRFS) was established for corn and vegetables with 60 farmer cooperators





# LOAN FACILITATION

### AGRICULTURAL COMPETITIVENESS ENHANCEMENT FUND (ACEF)

aims to increase productivity of farmers and fisherfolk by providing necessary credit. A maximum of PHP 5.0 Million can be availed by cooperatives, associations and MSMEs and PHP 1.0 Million by individual farmers/fishers with 2% interest rate



High value crops marked the highest share which covered 52%, and 96% (64 applications) of which were oil palm production in Agusan del Sur. Rice and corn production followed with 28% and 12%, respectively.

## SURE AID LOAN

is a lean facility for rice farmers who are farming 1.0 hectare and below and DA accredited service conduit payable in 8 years inclusive of 6 months grace period with zero interest.



## PRODUCTION LOAN Easy access (Plea)

a special credit window designed to address the needs of small farmers and fisherfolk for a fast, convenient and affordable credit.



# LOAN FACILITATION SERVICES TESTIMONIALS

I was awarded with two hectares of land when starting farming but i would only get to plant on half of a hectare then because I don't have enough capital. I applied for ACEF Loan 2018. When I learned about this program I applied right away and in the first week of November, my loan was approved and I started to plant on my 2 hectares of land.

Since I avail the ACEF Loan program, there has been a big change in my farming endeavor, I learned about a technique in marketing, my market strategy was enhanced. I checked first what the demand was in the market because I am thinking of the loan that I have to pay. So, I conducted a market survey which I had not practiced before. I learned that I only need to produce 50 kilos a day of eggplant but since I still have money and available area. I planted other crops. I learned that there are many crops in demand in the market so I started planting them. In multi-cropping, there is a big income. As days passed by, somebody knew that I had plenty of vegetables so I posted on social media that the ragas farm is open for pick and buy. Unexpectedly, more people appreciated it because the vegetables were really fresh until such time that a lot of people visited my farm therefore more income was generated since we were already the ones to command the price and not the customers. People would come to our vegetable farm to tour thus, we collect entrance fees from them. I also collect fees when I conduct lectures inside the farm.

From my ACEF Loan Fund, we were able to accomplish many things, we have converted it into Farm Tourism. Before I availed of the ACEF Loan, I only got to plant ½ of a hectare and my average income was Php. 10,000.00 a month only. Now my average income is Php. 40,000.00 a month. We are really thankful to ACEF for helping the small farmers. Because of this, I can now send my children to school, provide their needs and have a better life.



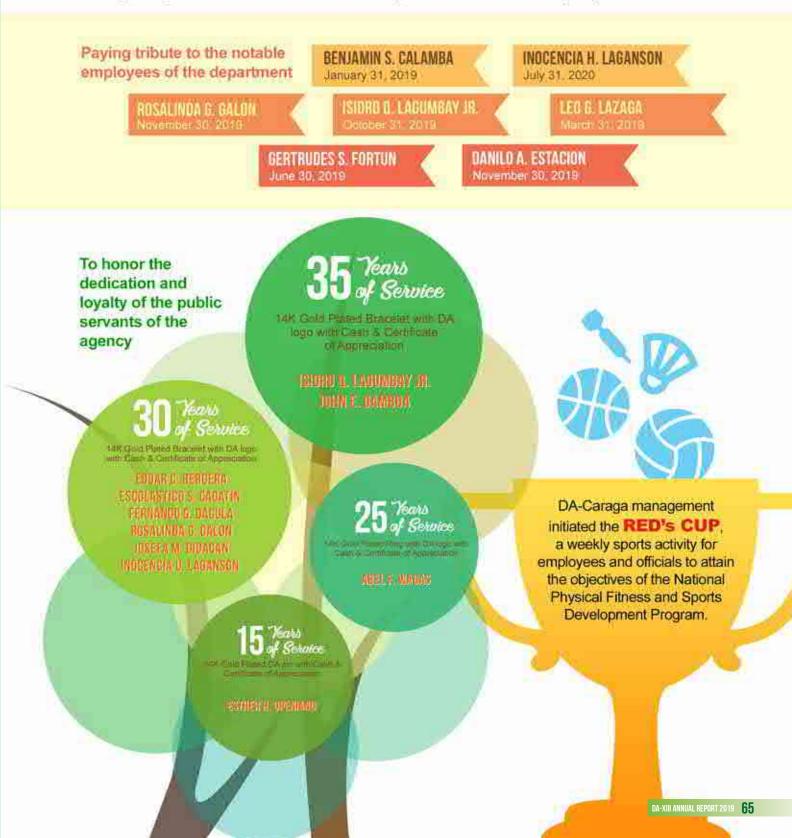
RUBEN RAGAS Owner, Ragas Integrated and Diversified Farming System Cabadbaran City, Agusan del Norte

## SUPPORT TO OPERATIONS PLANNING, MONITORING AND EVALUATION

#### PLANNING AND PROGRAMMING MONITORING AND EVALUATION CSO **Regional Review** Consultation and Assessment conducted for the were conducted in the year 2019 FY 2020 proposed plan CY 2020 **Project Monitoring** Regional Plan and Budget Proposal and Evaluation presentations were conducted conducted accomplishing 324% of the 100 physical targets PMED Strategic Plan was crafted M&E for the year 2020 to 2026 Report Conference RMC Conducted Meetings were conducted Report Officers Meeting **Briefer and Profile** Conducted for DA Caraga has been updated INFORMATION, COMMUNICATION AND TECHNOLOGY In Impessivelune Enhanced 266 Units Repaired and Maintained Agri-Presyo Monitoring Information System

# SUPPORT TO OPERATIONS ADMINISTRATION

DA-Caraga takes pride on the accomplishments and commitment to excellence of its employees. Through the years, their talents and efforts have helped in the success of the agency.



# **SUPPORT TO OPERATIONS FINANCE**

### BUDGET APPROPRIATION

P1.24B	
Timette	P963M
A REAL PROPERTY.	Contract
-	a Chineman
Ci Distanti	20
	A COMPANY

The region's total appropriation in FY 2019 was pegged at PhP 963.51 million lower by 28.7% or PhP 276.46 million compared to FY 2018. The year's budget also decreased by 10.9% based on National Expenditure Program (NEP).

Rice P

PhP 15

PhP 64M

PhP 38M

PhP 68M

Corn Program

**HVCD** Program

Organic Program PhP 15M

# **FUND ALLOCATION**



rogram	Other Various Production
59M	Support Services

PRODUCTIVITY IN ABBICULTURE SECTOR

 $\odot$ 

27%

- PhP 17M Other Market Development Livestock Program Services Activities PhP 13M

19%

54%

PS

MODE

FINEX

TOTAL

109.942.784.60

310,500,589,20

158,517,291,06

580,000,664.60

Percent Distribution by Expense Class, 2019

40,000.00

Other Reserch **Development Activities** PhP 20M

Farm to Market Road PhP 4M

Agriculture & Fisheries Php 9M

**ESETS Halal Food Industry** Development Program PhP 0.2M

Total allocation released was PhP 580.00 million for the region in FY 2019 and biggest allocation was for the productivity in agriculture sector with 71% share where the major programs and projects of the department was lodged. Under this sector, Rice Program had the largest share with 38.78% followed by High Value Crops Program (HVCDP) and Corn Program by 12 % and 11% respectively.

### FUND UTILIZATION

FY 2019 Agency's Fund Utilization	ALLOTMENT	OBLIGATION		DISBURSEMENT	
GEN. ADMIN SUPPORT SERVICES	31,909,909.05	31,692,199.21	99%	30,880,502.00	97%
SUPPORT TO OPERATIONS	88,409,209.26	86,894,412.67	98%	79,599,445.38	92%
PRODUCTIVITY IN AGRICULTURAL SECTOR	412,077,893.29	401,084,199.78	97%	370, 105, 617, 17	92%
LOCALLY FUNDED	35,303,000.00	33,546,009.96	95%	25,417,454.03	76%
OTHER FUND SOURCES	12,303,653.00	11,736,862.40	95%	11,686,938.54	99%
TOTAL	580,000,664.60	564,953,684.02	97%	492,272,503.10	87%

# **NATIONAL** AWARDS AND RECOGNITIONS

### NATIONAL RICE ACHIEVER AWARDEES

Butuan City City Category Award CACEA-Guihao-an Irrigators Association Inc. Municipality of Buenavista Outstanding Irrigators Association for Mindanao Cluster Award

Pinamangculan-Tagpulangi-Dalingdingan Irrigators Association Butuan City Special Citation-Irrigators Association Award

### **CORN QUALITY ACHIEVER'S AWARD**

Province of Agusan del Sur Provincial Category Award

Armando G. Valiente Municipality of Prosperidad Provincial Agriculturist Category Award

Perla C. Galaura Municipality of Prosperidad Provincial Corn Coordinator Category Award

City of Butuan (Hall of Famer) City/Municipal Category Award

Municipality of Prosperidad City/Municipal Category Award

Municipality of Las Nieves City/Municipal Category Award

Luzviminda U. Abellana Municipality of Prosperidad Agricultural Extension Worker Category Award Pierre Anthony D. Joven Butuan City City/Municipal Agriculturist Category Award

Marlita P. Cortez Municipality of Prosperidad City/Municipal Agriculturist Category Award

Leonito C.Pasquito Municipality of Las Nieves City/Municipal Agriculturist Category Award

Erlinda E. Plaza (Hall of Famer) Butuan City City/ Municipal Corn Coordinator Category Award

Nilo Y. Villamor Municipality of Prosperidad City/ Municipal Corn Coordinator Category Award

Mary Jane A. Maratas Municipality of Las Nieves City/ Municipal Corn Coordinator Category Award



#### OUTSTANDING AGRICULTURAL AND FISHERY COUNCIL COORDINATOR

Cherrie Mae Berganio Municipality of Remedios T. Romualdez Finalist - Outstanding AFC Coordinator Award

# **REGIONAL** AWARDS AND RECOGNITIONS

### **GAWAD SAKA AWARDEES**

Junie E. Awa Municipality of Buenavista Young Farmer Category Award

Raul P. Basmayor Municipality of Mainit Outstanding Integrated Rice Based Farming System Category Award

Renato Frias Municipality of Trento Corn Farmer Category Award

Perlito B. Montanez Municipality of Carrascal Small Animal Farmer Category Award Catmonon RIC Municipality of Esperanza Rural Improvement Club Category Award

Analyn Dulpina Municipality of Burgos Vegetable Farmer Category Award

MAFC, RTR Municipality of Remedios T. Romualdez Municipal Agricultural and Fisheries Council Category Award

Sto. Niño MPC Butuan City Small Farmers Organization Category Award

### CORN QUALITY ACHIEVER'S AWARD

Province of Agusan del Sur Provincial Category Award

Armando G. Valiente Municipality of Prosperidad Provincial Agriculturist Category Award

Perla C. Galaura Municipality of Prosperidad Provincial Corn Coordinator Category Award

City of Butuan (Hall of Famer) City/Municipal Category Award

Municipality of Prosperidad City/Municipal Category Award

Municipality of Las Nieves City/Municipal Category Award

Luzviminda U. Abellana Municipality of Prosperidad Agricultural Extension Worker Category Award Pierre Anthony D. Joven Butuan City City/Municipal Agriculturist Category Award

Marlita P. Cortez Municipality of Prosperidad City/Municipal Agriculturist Category Award

Leonito C.Pasquito Municipality of Las Nieves City/Municipal Agriculturist Category Award

Erlinda E. Plaza (Hall of Famer) Butuan City City/ Municipal Corn Coordinator Category Award

Nilo Y. Villamor Municipality of Prosperidad City/ Municipal Corn Coordinator Category Award

Mary Jane A. Maratas Municipality of Las Nieves City/ Municipal Corn Coordinator Category Award



### OUTSTANDING AGRICULTURAL AND FISHERY COUNCIL COORDINATOR

Cherrie Mae Berganio Municipality of Remedios T. Romualdez Finalist - Outstanding AFC Coordinator Award

#### REGIONAL SEARCH FOR OUTSTANDING ORGANIC AGRICULTURE ACHIEVERS AWARD

City of Bislig City/Municipal Category Award

Edgar G. Opalia Municipality of Alegria Municipal Focal Person Category Award

Jenebelle B. Sasi Municipality of Trento Agricultural Extension Worker Category Award

### **REGIONAL RICE ACHIEVER AWARDEES**

City of Butuan Outstanding CLGU Category Award

Cherrie Mae L. Berganio Municipality of Remedios T. Romualdez Outstanding Agricultural Extension Worker Category Award

Segundina O. Ayag Butuan City Outstanding Agricultural Extension Worker Category Award

Nestor J. Fuentes Butuan City Outstanding Agricultural Extension Worker Category Award

Gretel P. Paracuelles Butuan City Outstanding Agricultural Extension Worker Category Award

Connie A. Erigan Butuan City Outstanding Local Farmer Technician Category Award

Merilyn M. Laurenciana Butuan City Outstanding Agricultural Extension Worker Category Award

### AGRI-GALING COMPETITION

Bayugan National Comprehensive High School Bayugan City First Place - Agri-Galing Infomercial Video Category

Caraga State University - Cabadbaran Cabadbaran City Second Place - Agri-Galing Infomercial Video Category

Caraga Regional Science High School - Surigao Surigao City

Third Place - Agri-Galing Infomercial Video Category

Bayugan National Comprehensive High School Bayugan City Best Video Editing

### OUTSTANDING LIVESTOCK AI TECHNICIAN

Carlos K. Nobio Butuan City Best Artificial Insemination Coordinator Romeo R. Estrella and Family Municipality of Socorro Farming Family Category Award

Analyn Dulpina Municipality of Burgos Small Farmer Category Award

> Joan B. Dela Torre Butuan City Outstanding Agricultural Extension Worker Category Award

> Jenebelle B. Sasi Municipality of Trento Outstanding Agricultural Extension Worker Category Award

> Aimee A. Campanilla Municipality of Trento Outstanding Agricultural Extension Worker Category Award

> Alfred A. Gimang Municipality of Trento Outstanding Agricultural Extension Worker Category Award

> Rolamae G. Danlag Municipality of Trento Outstanding Agricultural Extension Worker Category Award

> Jose Karl G. Ouano Municipality of Remedios T. Romualdez Outstanding Agricultural Extension Worker Category Award

> Carmel Lynn V. Deguito Tandag City Outstanding Agricultural Extension Worker Category Award

Caraga State University - Cabadbaran Cabadbaran City Best Sound Editing

Bayugan National Comprehensive High School Bayugan City Most Creative

Tagbina National High School Municipality of Tagbina Most Relevant

FSUU - Bishop Pueblos Senior High School Butuan City Viewer's Choice Award

Cerilino S. Catamban Butuan City Best Artificial Insemination Technician

# DA-CARAGA KEY OFFICIALS



Abel James I. Monteagudo **REGIONAL EXECUTIVE DIRECTOR** 

Alberto D. Ocampo, Jr. OIC-REGIONAL TECHNICAL DIRECTOR FOR OPERATIONS AND LGU SUPPORT



**Nestor S. Burgos** REGIONAL TECHNICAL DIRECTOR FOR RESEARCH AND REGULATIONS

Nicandro M. Navia, Jr. RTD/ OIC, ADMINISTRATIVE DIVISION



Josefa M. Gidacan CHIEF, PLANNING, MONITORING AND EVALUATION DIVISION



Corazon A. Yamit OIC, FINANCE DIVISION

Rebecca R. Atega CHIEF, FIELD OPERATIONS DIVISION



Abel F. Wagas OIC, RESEARCH DIVISION

Lynn A. Pareñas CHIEF, AGRIBUSINESS AND MARKETING ASSISTANCE DIVISION

Rene Q. Morales, RPAE OIC, INTERIM REGIONAL AGRICULTURAL ENGINEERING DIVISION



Isidro Q. Lagumbay, Jr., DVM CHIEF, REGULATORY DIVISION



John E. Gamboa, Sr. CHIEF, INTEGRATED LABORATORIES DIVISION

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# IMPLEMENTING **PARTNERS**

### **REGIONAL MANAGEMENT COMMITTEE**



**ENGR. MADANTE P. GANOTISI** NATIONAL IRRIGATION ADMINISTRATION



MARCELO P. DAYO REGIONAL SWAT/ BSWM COORDINATOR BUREAU OF SOILS AND WATER MANAGEMENT



DR. LOWELL C. PARAGUAS CENTER DIRECTOR PHILIPPINE CARABAO CENTER



ENGR. RAY N. ADARNA ISLAND COORDINATOR FOR MINDANAO PHILIPPINE CENTER FOR POSTHARVEST DEVELOPMENT AND MECHANIZATION



**ALEXANDER P. LANARIA** 



CHAIRMAN REGIONAL AGRICULTURAL AND FISHERY COUNCIL



**DANILO S. NEGRE** COORDINATOR FERTILIZER AND PESTICIDE AUTHORITY



**DR. DALE FRANCO B. LLENTIC** REGIONAL ANIMAL QUARANTINE OFFICE BUREAU OF ANIMAL INDUSTRY



**RAMON G. MILLORIA** REGIONAL PLANT QUARANTINE OFFICER BUREAU OF PLANT INDUSTRY



**VISA TAN-DIMERIN** O REGIONAL DIRECTOR BUREAU OF FISHERIES AND AQUATIC RESOURCES



JOEL B. OCLARIT



REGIONAL MANAGER PHILIPPINE COCONUT AUTHORITY



CAESAR JOVENTINO M. TADO ACTING BRANCH MANAGER PHILE PHILIPPINE RICE RESEARCH INSTITUTE



ACTING DIRECTOR II PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY



### LOCAL GOVERNMENT UNIT

1

**PROVINCIAL AGRICULTURIST** 

ALVIN T. ACLAN AGUSAN DEL NORTE

**ARMANDO G. VALIENTE** AGUSAN DEL SUR

**RUBY ANN S. LAGAHIT** SURIGAO DEL NORTE

MARCOS M. QUICO, RA, MPA SURIGAO DEL SUR

> **OSWALDO T. BORJA DINAGAT ISLANDS**

### **PROVINCIAL VETERINARIAN**



**BELEN M. ARUELO, DVM** 



JORIZ G. ELEVAZO, DVM

LIFE SHEILA L. CUBILLANES, DVM SURIGAO DEL NORTE



**GERVACIO A. YPARRAGUIRRE, DVM** 

AIMEE A. JIMENO, DVM **DINAGAT ISLANDS** 



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### DEPARTMENT OF AGRICULTURE Regional Field Office XIII

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