



2022 ANNUAL REPORT



CARAGA REGION



CONTENTS

04 Message from the Regional Executive Director

PART I

07 **Current State of Agriculture in Caraga Region**

08 Cereal Production Performance

10 Industrial Crops, Fruit Crops and Lowland
Vegetable Production Performance

17 Livestock Production Performance

20 Poultry Production Performance

PART II

23 **Efforts in Transforming Agriculture in the Region**

24 **Strategy 1.** Boosting local production and Raising
the Farmers' and Fisherfolks' Income

34 **Strategy 2.** Ensuring Accessibility to Affordable, Safe,
and Nutritious Food that Benefit all Filipinos

40 **Strategy 3.** Developing Strong, Modernized, and
Climate Resilient Value Chains through the
Delivery of Quality Services

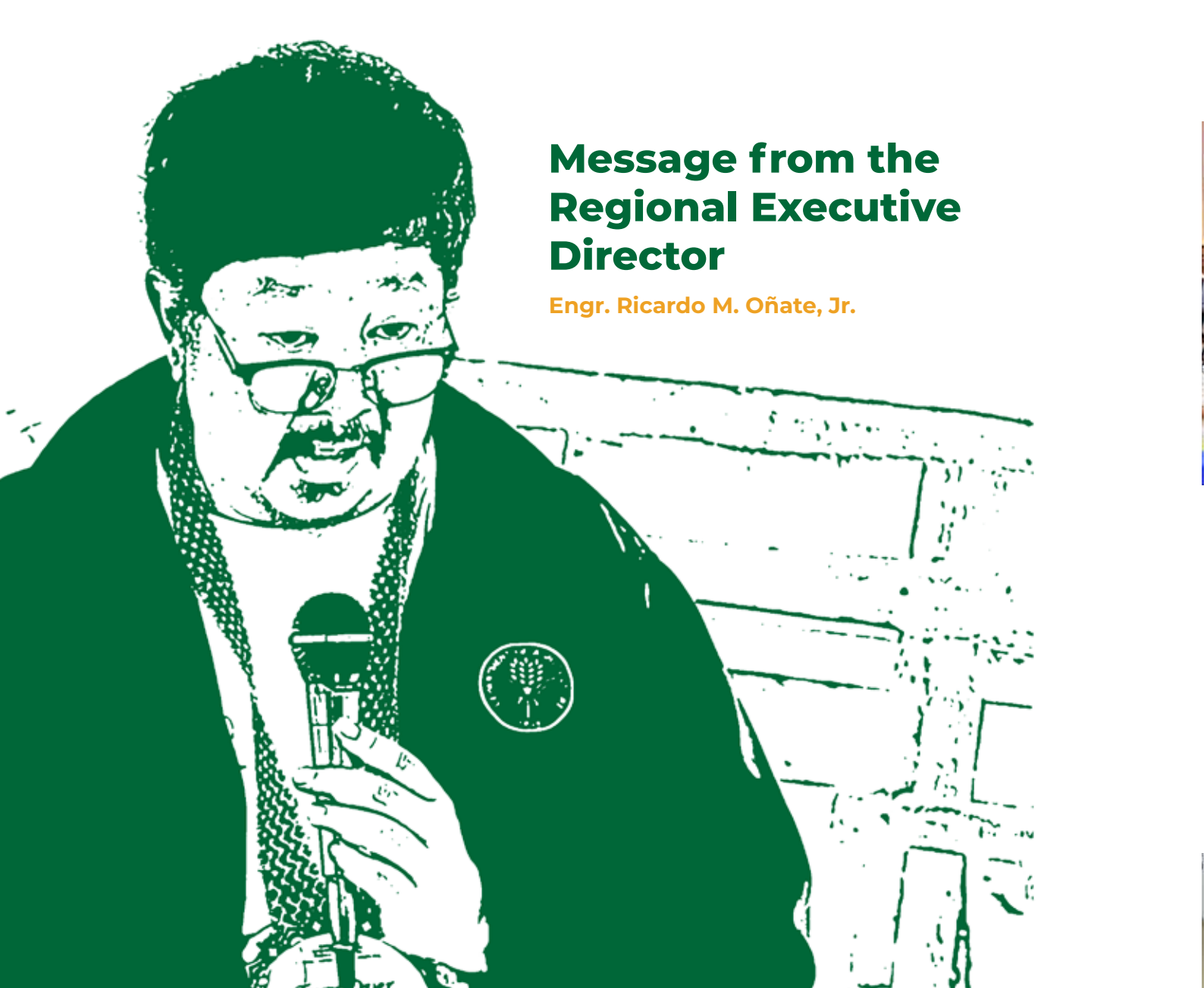
45 **Strategy 4.** Institutionalizing Policy Reforms and
Strengthening Institution to Enhance
Efficiency and Accelerate the
Modernization of the Sector

PART III

51 **Support Services**

60 Key Officials

61 Implementing Partners



Message from the Regional Executive Director

Engr. Ricardo M. Oñate, Jr.

A rebounding 2022 drifted by and the Caraga agricultural sector exhibited continued adaptability and resiliency amid the disruptive trials of the year.

We welcomed 2022 with a trail of the damaging effects of Typhoon Odette, yet we had been knocked down again by Typhoon Agaton. While we were still fighting against the African Swine Fever cases, our bruises darkened when the Avian Influenza outbreak inescapably entered the country. Moreover, the Ukraine-Russia crisis posed global economic threat that negatively impacted the world's recovery during the COVID-19 recession.

Admirably, the Department of Agriculture-Caraga had pro-actively responded to the call for producing sufficient and affordable food

during these hardened times by delivering unhampered agricultural services to the food producers – our farmers and fisherfolk.

For this year, the agency continuously implemented its existing proven and adept projects and activities while actively formulating feasible interventions. From the timely and steady distribution of quality seeds to the provision of apt farm inputs, establishment of appropriate storage facilities such as the Monolithic Dome in Agusan del Sur, concreting of farm to market roads, to linking our farmer-producers to its appropriate profitable markets.

With less stifling COVID-19 restrictions, the distribution of fuel and fertilizer subsidies to farmers and fishers became smooth while the conduct of capability development training and workshops to our agricultural technicians



became more effective back in face-to-face arrangement.

Agricultural technologies and new programs have been conveniently disseminated to a wider audience through the use of our information technology.

Assisting young agripreneurs in their agricultural endeavours had been prioritized this year, while respect and appreciation to women in agriculture had been duly recognized.



Our continuous consultation with the local government units brought forth strategic agricultural flagship programs at the local level. Active partnership and collaboration with DA attached agencies, other national line agencies and the private sector launched promising programs such as the Team Bahug and Himsug, Gulayan sa Parokya, among others.

Mentioning all of these, I can reliably say that despite the hurdles, we have triumphantly conquered the year 2022.



This would not be possible without the unwavering determination and unyielding effort of DA RFO XIII officials and personnel to give the Caraga region a sustainable and resilient agricultural sector.

Let me congratulate everyone for a job well done! We have greatly outdone 2022 and we will continue to do so.



As I have consistently said, as OneDA family, let us continue to be giving and understanding of each other. Let us work harmoniously for the betterment of our farmers and fisherfolks, for they are our mandated clientele.

We have braved 2022, yet let us continue working hand in hand and surely, we will brave the coming years with grandeur!

Larga Caraga, Larga!



Part I

Current State of Agriculture in Caraga Region



Cereal Production Performance



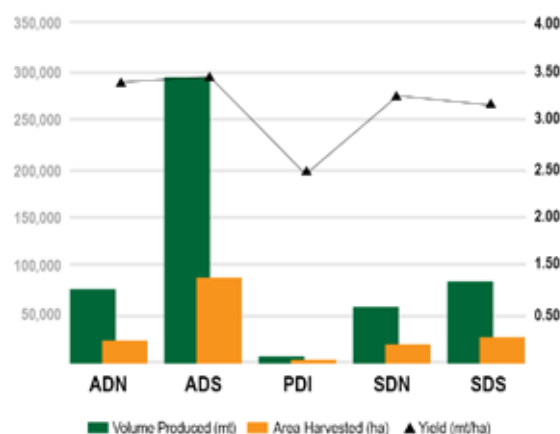
Caraga Region's palay production in 2022 recorded a total volume of 520,181.03 metric tons which showed 11.21 percent growth rate from 467,743.50 metric tons in 2021. The increase in production was attributed to the increase in area harvested from the previous year's level by 7.87 percent from 147,878 hectares in 2021 to 159,519.02 hectares in 2022 due to the favorable weather conditions during the planting season on the second to the third quarter of the year.

Similarly, yield per hectare posted a positive increase by 3.10 percent from 3.16 metric tons per hectare in 2021 to 3.26 metric tons per hectare in 2022 (Table 1). The positive output of the total rice performance is also attributed to collaborative efforts of various National Government Agencies (NGAs), Local Government Units (LGUs) and other stakeholders by providing various interventions across the region such as high-quality seeds, fertilizers, and other production inputs.

Table 1. Palay Production Performance by Ecosystem, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Volume Production (MT)			
All Ecosystem	467,743.50	520,181.03	11.21
Irrigated	297,026.14	312,384.92	5.17
Rainfed	170,717.36	207,796.11	21.72
Area Harvested (Ha)			
All Ecosystem	147,878.00	159,519.02	7.87
Irrigated	88,424.00	91,551.75	3.54
Rainfed	59,454.00	67,967.27	14.32
Yield / Hectare			
All Ecosystem	3.16	3.26	3.10
Irrigated	3.36	3.41	1.58
Rainfed	2.87	3.06	6.47

Figure 1. Palay Production Performance by Province, 2022. PSA



Agusan del Sur has the highest volume produced from rainfed and irrigated ecosystems by 56.7 percent or 295,052.71 metric tons. This was followed by the province of Surigao del Sur by 16.1 percent or 83,547.19 metric tons, Agusan del Norte by 14.5 percent or 75,213.90 metric tons, and Surigao del Norte by 11.4 percent or 59,542.53 metric tons, while the province of Dinagat Islands shared 1.3 percent or 6,824.70 percent only as shown in Figure 1.

In terms of area harvested, the province of Agusan del Sur shared the largest area harvested from both rainfed and irrigated ecosystems. It recorded 87,549 hectares or 54.9 percent share. Surigao del Sur ranked second with 27,332.54 hectares or 17.1 percent share followed by Agusan del Norte, Surigao del Norte and Dinagat Islands by 14.2 percent, 11.8 percent and 1.9 percent share as presented in Figure 1.

Consequently, the rice production sufficiency level in the region increased to 92.38 percent, which is 9.16 percent higher compared with the previous year of 84.63 percent. Agusan del Sur registered the highest sufficiency level of 212.09 percent, compensating the insufficiency of the rest of the provinces.



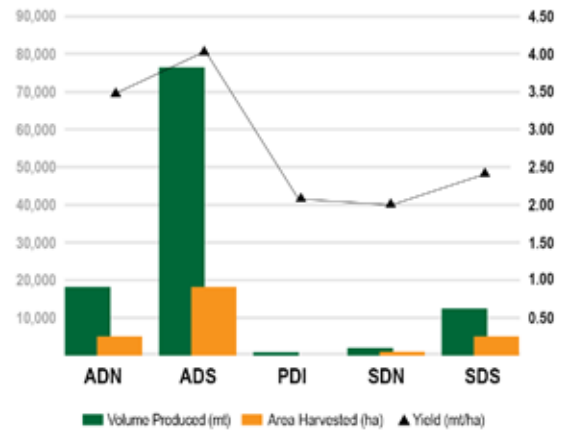
Corn

The Corn volume of production posted a total of 109,511.71 metric tons in 2022, 22.69 percent lower than the previous year's production of 141,648.84 metric tons as shown in Table 2. The decrease in production volume was attributed to the decrease of the total area harvested from 40,933 hectares in 2021 to 30,377.83 hectares in 2022 specifically in the provinces of Agusan del Sur and Dinagat Islands.

Affecting the decrease in production was the occurrence of TD Agaton in April 2022. Total damages of 9,716 hectares were recorded by the DA-DRRM with 96 percent or 9,341 hectares of the damages were from the province of Agusan del Sur. The Province of Dinagat Islands on the other hand, is yet recovering from the damage brought by TD Odette last December 2021. The decline was also attributed to the adjusted planting calendar of corn in the region due to the consecutive typhoons and torrential rains experienced throughout the year.

Despite the decrease in volume and area of production, the over-all corn yield performance increased by 4.31 percent from 3.46 metric tons per hectare in 2021 to 3.61 metric tons

Figure 2. Corn Production Performance by Province, 2022. PSA



per hectare in 2022. The increase in yield was attributed to the positive yield performance of white corn by 4.67 percent growth rate.

Agusan del Sur contributed the highest share by 68.8 percent of the total production volume, or 76,475 metric tons followed by Agusan del Norte by 16.6 percent or 18,167 metric tons, Surigao del Sur by 11.7 percent or 12,778.07 metric tons. Surigao del Norte and Dinagat Islands shared 1.6 percent and 0.3 percent respectively as shown in Figure 2.

Similarly, Agusan del Sur has the largest area harvested with yellow and white corn, which is 62 percent, or 18,838 hectares of the total area harvested. Surigao del Sur came second with 17.6 percent, or 5,327.60 hectares, followed by Agusan del Norte by 16.9 percent, or 5,140 hectares while Surigao del Norte and Dinagat Islands shared three percent, or 895 hectares, and 0.5 percent, or 136.90 hectares, respectively.

Production sufficiency level for white corn is 68.5 percent with Surigao del Norte as the only province that has a sufficiency level of 267.67 percent. Yellow corn which is being utilized as main ingredient for feeds remained not sufficient.

Table 2. Corn Production Performance by Ecosystem, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Volume Production (MT)			
All Ecosystem	141,648.84	109,511.71	(22.69)
White Corn	56,992.19	39,400.17	(30.87)
Yellow Corn	84,656.65	70,111.55	(17.18)
Area Harvested (Ha)			
All Ecosystem	40,933.00	30,377.83	(25.88)
White Corn	22,958.00	15,163.99	(33.95)
Yellow Corn	17,975.00	15,173.85	(15.58)
Yield / Hectare			
All Ecosystem	3.46	3.61	4.31
White Corn	2.48	2.60	4.67
Yellow Corn	4.71	4.62	(1.89)

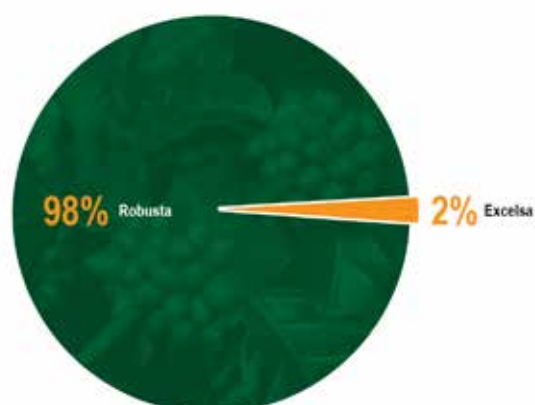
Industrial Crops, Fruit Crops and Lowland Vegetable Production Performance

Coffee

Caraga region is dominantly planted with Robusta variety by 98 percent or a total of 4,936.2 hectares, which is also into green coffee bean production (Figure 3).

This year, coffee bean production in the region decreased by negative 14.47 percent or negative 114.36 metric tons from 970.54 metric tons output in 2021 to 676.18 metric tons in 2022 due to the decrease in area harvested by 0.04 percent or negative 1.88 hectares from 4,938 hectares in 2021 to 4,936.12 hectares in 2022 resulting to a negative 0.13 decrease in yield as shown in Table 3.

Figure 3. CY 2022 Cultivated Coffee Varieties in the Region, 2022. PSA



The decrease in coffee green bean production in 2022 was attributed to the occurrence of typhoon Odette which caused total damage of 56 hectares of coffee areas specifically in the province of Surigao del Norte which contributed the 95 percent or 53 hectares of the total damage and Agusan del Norte which contributed the remaining five percent.

However, Surigao del Sur had the highest coffee produced with 80 percent or 541.81 metric tons share of the total production for this year. Agusan del Norte and Agusan del Sur

Table 3. Coffee Production Performance (Robusta Variety), 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Bearing Trees	3,438,738	3,470,909	(0.13)
Volume of Production (MT)	970.54	676.18	(14.47)
Area Harvested (Ha)	4,938.00	4,936.12	(0.04)
Yield/ Hectare	0.16	0.14	(14.43)

came next with 11 percent or 73.94 metric tons, and nine percent or 60.35 metric tons share respectively.

Production sufficiency for coffee in 2022 is about 65.06 percent lower than the previous year's level of negative 57.85 percent with Surigao del Sur as the province that produces more than the consumption requirement of its population by 165.10 percent or 154.63 metric tons surplus.

Cacao

Production volume of Cacao declined in 2022 from 170.77 metric tons in previous year to its current production of 149.54 metric tons with a negative growth of 12.43 percent as shown in Table 4. The lower production performance was due to the decrease in the number of bearing trees from 3,532,674 in 2021 to 3,487,249 in 2022. Typhoon Odette that hit the region last December 2021 resulted to a total damage of 3,750 trees at reproductive stage and 1,000 trees at vegetative stage regionwide.

Consequently, yield was also affected by 12.77 percent as compared with the previous year's performance.

In terms of area harvested, 0.39 percent growth rate was recorded in 2022, from 2,673.54 hectares in 2021 to 2,683.89 hectares in 2022 as shown in Table 4. The increase was attributed to the 12.73 hectares increase in the area harvested in the province of Agusan del Sur.

Table 4. Cacao Production Performance, 2021-2022. PSA

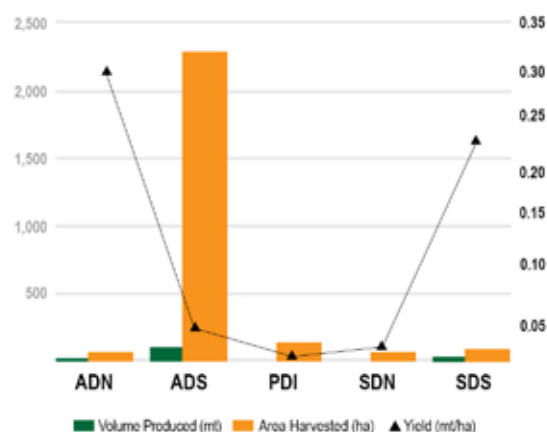
Production Performance Indicator	2021	2022	Growth Rate (%)
Bearing Trees	3,532,674	3,487,249	(0.6)
Volume of Production (MT)	170.77	149.54	(12.43)
Area Harvested (Ha)	2,673.54	2,683.89	0.39
Yield/ Hectare	0.064	0.056	(12.77)

Agusan del Sur remained the major cacao producer in the region. It contributed 70.4 percent, or 105.33 metric tons of the region's total cacao production. This was followed by the provinces of Agusan del Norte by 22.74 metric tons and Surigao del Sur by 20.33 metric tons. The provinces of Surigao del Norte and Dinagat Islands shared 1.16 metric tons and 0.09 metric tons, respectively as presented in Figure 4.

Similarly, Agusan del Sur has the largest area harvested. It contributed 86 percent, or 2,301.77 hectares of the region's total cacao area harvested in 2022 followed by the provinces of Dinagat Islands, Surigao del Sur, Agusan del Norte, Surigao del Norte, by 148.50 hectares, 88.62 hectares, 75 hectares, and 70 hectares, respectively.

The total production sufficiency level of cacao is lower at 85.47 percent compared with last year's performance of 99.02 percent with Agusan del Sur clinching the highest production sufficiency at 229.53 percent.

Figure 4. Cacao Production Performance by Province, 2022. PSA



Banana

Banana production recorded 245,469.31 metric tons in 2022 indicating a growth rate of negative 12.21 percent from 279,600.58 metric tons output in 2021. The decrease in production is primarily due to the decrease in area harvested and number of bearing trees from 24,605.50 hectares with 11,829,387 bearing trees in 2021 to 23,854.76 hectares with 10,698,834 bearing trees.

TD Agaton which hit Caraga in April 2022 caused a total damaged of 61.05 hectares. This resulted in a decrease in yield by negative 9.45 percent from the previous year's output, that is from 11.36 metric tons per hectare to 10.29 metric tons per hectare of the current year's output as shown in Table 5.

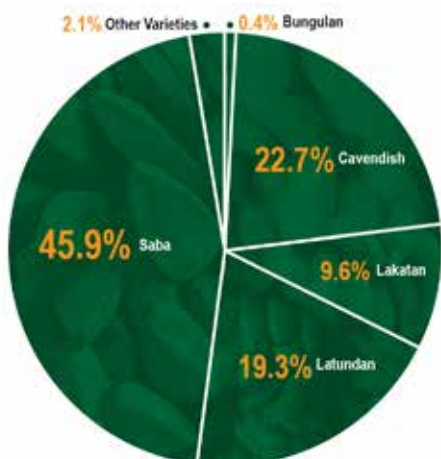
Among the banana varieties cultivated in the region, saba is the dominant variety which contributed 45.9 percent or 122,720.02 metric tons of the total banana production in 2022. This was followed by the cavendish and latundan varieties which contributed 22.7 percent or 55,624.71 metric tons and 19.3 percent or 47,264.86 metric tons respectively as shown in Figure 5.

Industrial Crops, Fruit Crops and Lowland Vegetable Production Performance

Table 5. Banana Production Performance by Variety, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Bearing Trees	11,829,387.00	10,698,834.00	(9.6)
Volume Production (MT)			
Total	279,608.58	245,469.31	(12.21)
Bungulan	1,007.03	1,084.34	7.68
Cavendish	78,374.09	55,624.71	(29.03)
Lakatan	23,387.29	23,569.74	0.78
Latundan	49,407.39	47,264.86	(4.34)
Saba	122,490.33	122,720.02	(7.98)
Other Varieties	4,942.45	5,205.64	5.33
Area Harvested (Ha)			
Total	24,605.50	23,854.76	(3.05)
Bungulan	221.00	220.38	(0.28)
Cavendish	2,976.06	2,256.05	(24.19)
Lakatan	3,219.00	3,218.50	(0.02)
Latundan	8,543.50	8,538.39	(0.06)
Saba	8,545.44	8,521.34	(0.28)
Other Varieties	1,100.50	1,100.09	(0.04)
Yield / Hectare			
Total	11.36	10.29	(9.45)
Bungulan	4.56	4.92	7.98
Cavendish	26.33	24.66	(6.38)
Lakatan	7.27	7.32	0.80
Latundan	5.78	5.54	(4.28)
Saba	14.33	13.23	(7.72)
Other Varieties	4.49	4.73	5.36

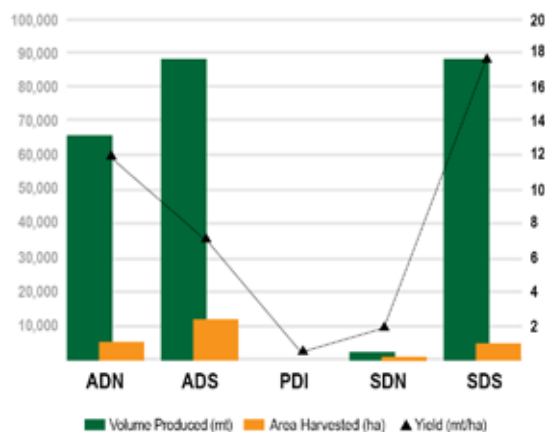
Figure 5. Banana Cultivated Varieties in the Region, 2022. PSA



During the period, the province of Agusan del Sur shared the highest volume produced with 88,532.59 metric tons or 36.1 percent of the total production. Followed by Surigao del Sur and Agusan del Norte with 35.9 percent or 88,191.44 metric tons and 27 percent or 66,180.62 metric tons respectively while the provinces of Surigao del Norte shared 2,495.44 metric tons and Dinagat Islands 69.22 metric tons only.

In terms of area harvested, Agusan del Sur shared 50.80 percent of the total banana area harvested. Agusan del Norte and Surigao del Sur ranked second with 22.43 percent or 5,350 hectares and 20 percent or 4,958.48 hectares, respectively. Surigao del Norte shared 5.58 percent or 1,331 hectares and Dinagat Islands 0.41 percent or 97.51 hectares only.

Figure 6. Banana Production Performance by Province, 2022. PSA



Mango

Mango posted a total production of 17,852.72 metric tons, a decline of 11.59 percent from the previous year's record of 20,193.24 metric tons. The decrease in the area harvested and the number of bearing trees by a negative 0.11 percent from 2,631 hectares with 204,697

bearing trees in 2021 to 2,628 hectares with 189,629 bearing trees in 2022 due to the occurrence of TD Odette last December 2021 that damaged most of the mango areas in the province of Surigao del Norte. Yield was likewise affected as it decelerated by 11.49 percent, for both varieties as shown in Table 6.

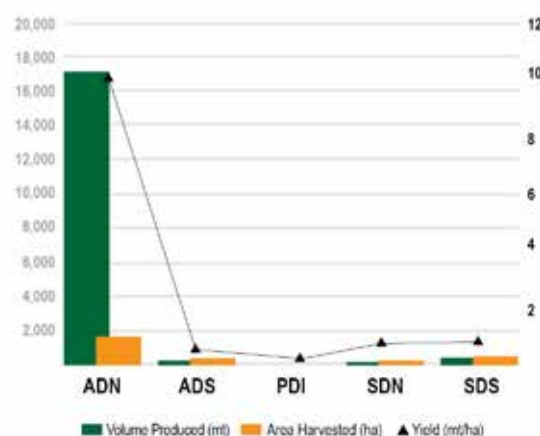
Table 6. Mango Production Performance by Variety, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Bearing Trees	204,697.00	189,629.00	(7.4)
Volume Production (MT)			
Total	20,193.24	17,852.72	(11.59)
Carabao Variety	16,634.65	14,706.66	(11.59)
Other Varieties	3,558.59	3,146.06	(11.59)
Area Harvested (Ha)			
Total	2,631.00	2,628.00	(3.05)
Carabao Variety	1,532.00	1,532.00	0
Other Varieties	1,099.00	1,096.00	(0.27)
Yield / Hectare			
Total	7.68	6.79	(11.49)
Carabao Variety	10.86	9.60	(11.59)
Other Varieties	3.24	2.87	(11.35)

Agusan del Norte is consistently the top mango producer in the region, sharing 96.22 percent or 17,177.42 of the total volume of production. Out of the 1,702 hectares, about 64.76 percent or 1,522 hectares were planted with carabao mango. All other provinces contributed minimal production as its type of climate is not suitable for mango production.

With an average of 3.61 kilograms annual per capita consumption, Caraga recorded a 157.59 percent production sufficiency level in 2022. Agusan del Norte, being the top producer had a surplus of 12,132.86 metric tons or 429.11 percent sufficiency which is more than enough to meet the demand of the entire region.

Figure 7. Mango Production Performance by Province, 2022. PSA



Rubber

Rubber cup lump production for the year decelerated to 17,484.74 metric tons or 3.28 percent decrease from its previous year's production of 18,078.23 metric tons, which was due to the decrease in the area tapped from 13,186 hectares in 2021 to 13,176 hectares as shown in Table 7. The reduction in production volume, area and yield was due to the continuous drop in natural rubber prices and high labor costs, which discouraged about 75 percent of small and marginal farmers to pursue tapping activities.

Table 7. Rubber Production Performance by Variety, 2021-2022. PSA

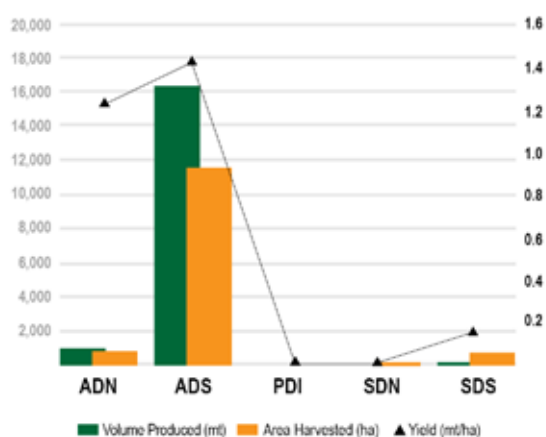
Production Performance Indicator	2021	2022	Growth Rate (%)
Volume of Production (MT)	18,078.23	17,484.74	(3.28)
Area Harvested (Ha)	13,186.00	13,176.00	(0.08)
Yield/ Hectare	1.37	1.33	(3.21)

Agusan del Sur is the major rubber producer in the region. For the year 2022, Agusan del Sur shared 93 percent, or 11,500 metric tons of the

Industrial Crops, Fruit Crops and Lowland Vegetable Production Performance

region's total volume produced. The rest of the provinces shared the remaining seven percent as presented in Figure 9.

Figure 8. Rubber Production Performance by Province, 2022. PSA



Similarly, Agusan del Sur has the largest area harvested with rubber contributing 87 percent of the total area harvested while Agusan del Norte, Surigao del Norte and Surigao del Sur contributed six percent, five percent and one percent, respectively.

Cassava

Like the fate of other commodities, cassava production in 2022 suffered a negative performance. It registered 18,787.07 metric tons only as compared from 20,287.30 metric tons output in 2021. The major reason was due to the decrease in area harvested and low yield performance, all because of the unfavorable weather conditions experienced in the region for the entire year.

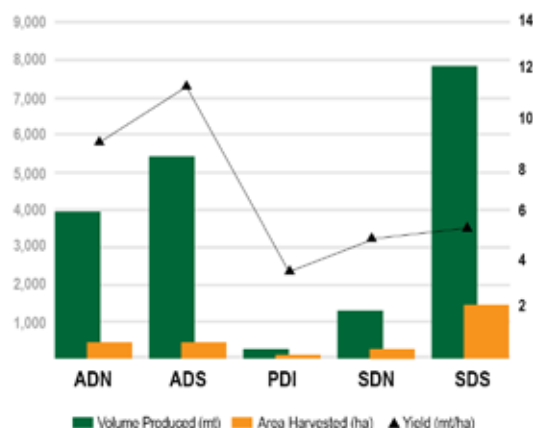
Table 8. Cassava Production Performance by Variety, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Volume of Production (MT)	20,287.30	18,787.07	(7.39)
Area Harvested (Ha)	2,808.73	2,702.98	(3.77)
Yield/ Hectare	7.22	6.95	(3.77)

Figure 9 showed the cassava production performance by province with Surigao del Sur remained the top producer of cassava and shared the largest area harvested. It contributed 42 percent or 7,864.77 metric tons of the total production and 54 percent or 1,451.56 hectares of the total area harvested

Agusan del Sur ranked next with 5,404.11 metric tons followed by Agusan del Norte by 3,938.64 metric tons Surigao del Norte by 1,308.45 Metric tons and Province of Dinagat Islands by 217.10 metric tons.

Figure 9. Cassava Production Performance by Province, 2022. PSA



Soybean

Since 2015 Caraga consistently ranked first in Soybean production among the regions. In 2022, soybean production performed well with a production volume of 461.50 metric tons, or 85.83 percent higher from 2021. The positive output of the soybean performance was ascribed to the increase in the area harvested by 81.42 percent (Table 9).

Beside the other favorable conditions, the encouraging performance was also the result

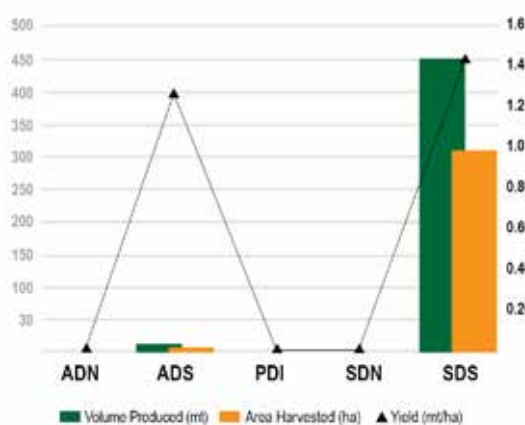
of the collaborative efforts of government agencies, local government units, and other stakeholders in providing various interventions such as soybean seeds, other production inputs, and equipment.

Table 9. Soybean Production Performance by Variety, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Volume of Production (MT)	248.34	461.50	85.83
Area Harvested (Ha)	174.40	316.40	81.42
Yield/ Hectare	1.42	1.46	2.43

Surigao del Sur remained the top producer of soybean which shared 99 percent or 455.25 metric tons of the total production in the region and 98 percent of the total area harvested as shown in Figure 9.

Figure 10. Soybean Production Performance by Province, 2022. PSA



Vegetables

Major lowland vegetables cultivated in the region include ampalaya, eggplant, bottle guard, ladies' finger, squash and tomato. This year, vegetable production in the region slightly

increased by 1.99 % from 18,443.71 metric tons in 2021 to 18,811.46 metric tons in 2022 as shown in Table 10.

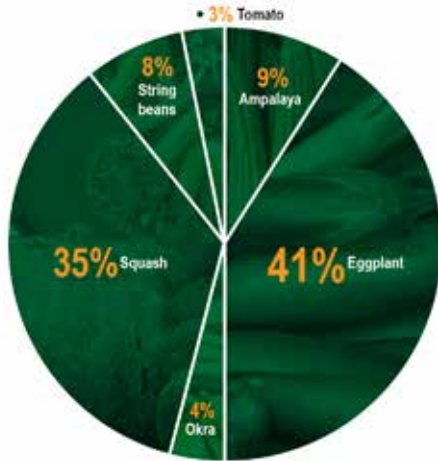
Table 10. Lowland Vegetable Production Performance by Variety, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Volume of Production (MT)			
Total	18,443.71	18,811.46	1.99
Ampalaya	1,628.22	1,084.34	4.53
Eggplant	7,579.34	7,663.06	1.10
Ladies Finger	685.23	778.14	13.56
Squash	6,642.21	6,662.73	0.31
Stringbeans	1,370.57	1,444.04	5.36
Tomato	538.14	516.58	4.36
Area Harvested (Ha)			
Total	2,003.93	1997.01	(0.35)
Ampalaya	208.55	206.51	(0.98)
Eggplant	965.33	964.09	(0.13)
Ladies Finger	685.23	139.05	0.10
Squash	432.00	431.36	(0.15)
Stringbeans	152.13	1,444.04	(1.91)
Tomato	107.01	106.77	(0.22)
Yield / Hectare			
Total	9.20	9.42	2.35
Ampalaya	7.81	8.24	5.56
Eggplant	7.85	7.95	1.23
Ladies Finger	4.93	5.60	13.44
Squash	15.38	15.45	0.46
Stringbeans	9.01	9.68	7.41
Tomato	5.03	5.26	4.59

Among the vegetables cultivated in the region, eggplant and squash had the highest share in the total volume of vegetables produced with 7,663.06 metric tons or 41 percent eggplant and 6,662.73 metric tons or 35 percent squash. Other vegetables such as ampalaya, string beans, ladies' finger, and tomato, only shared nine (9) percent, eight (8) percent, four (4) percent, and three (3) percent respectively as presented in Figure 11.

Industrial Crops, Fruit Crops and Lowland Vegetable Production Performance

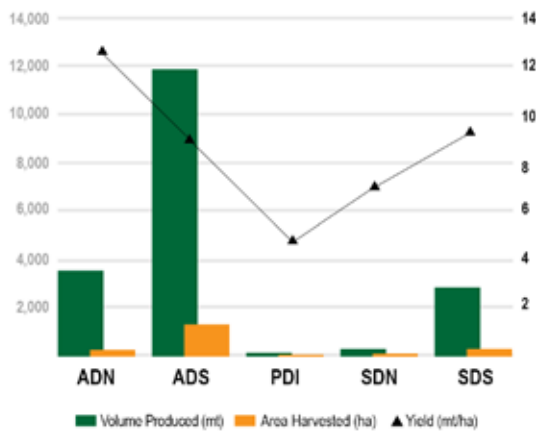
Figure 11. Cultivated Lowland Vegetables in the Region, 2022. PSA



The majority of the lowland vegetables produced by the region this year were from the province of Agusan del Sur which contributed 64 percent, or 11,974.47 metric tons of the total lowland vegetables. Agusan del Norte came second with 19 percent or 3,550.48 metric tons while Surigao del Sur, Surigao del Norte, and Dinagat Islands shared 15 percent, two (2) percent, and two (2) percent respectively.

Likewise, Agusan del Sur shared the largest area planted with lowland vegetable with 1,352.86 hectares, followed by Surigao del Sur with 302.27 hectares, Agusan del Norte with 276.63 hectares, Surigao del Norte with 40.50 hectares and Dinagat Islands with 24.75 hectares only.

Figure 12. Lowland Vegetable Production Performance by Province, 2022. PSA



With this production, Caraga posted an increase in production sufficiency level by 4.49 percent from 27.39 percent to 28.62 percent.

Livestock Production Performance

Caraga livestock inventory posted a total of 249,974 head composed of six percent or 70,120 head of carabao, four percent or 18,814 head of cattle, 88 percent or 113,307 head of swine and two percent or 47,733 head of goat see Table 11. This is 15.50 percent lower than the previous year's inventory of 295,842 head. The volume of production consequently decreased by 19.8 percent from 34,900.22 metric tons to 28,001.68 metric tons in 2022.

The decline was highly attributed to the swine which contributed 95.8 percent of the total decrease in livestock production in the region. This is due to the reluctance of the hog raisers to risk with the on-going occurrence of African Swine Fever (ASF). As reported, prospects remain uncertain amid continuing cases across the region. Thus, growers lessen the number of heads raised during the moratorium of pork/hog regional exports and imports to avoid the spread of the disease while some commercial farms have yet started to repopulate their farms.

Table 11. Livestock Production Performance by Animal Type, 2021-2022. PSA

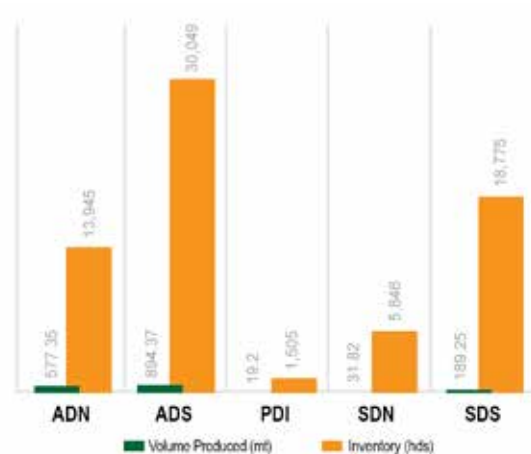
Production Performance Indicator	2021	2022	Growth Rate (%)
Total Livestock Production			
Inventory (head)	295,842	249,974	(15.50)
Volume of Production (mt)	34,900.22	28,001.68	(19.8)
Carabao			
Inventory (head)	70,692	70,120	(0.81)
Volume of Production (mt)	1,693.58	1,711.99	1.09
Cattle			
Inventory (head)	20,215	18,814	(6.93)
Volume of Production (mt)	1,321.71	1,168.79	(11.57)
Swine			
Inventory (head)	158,655	113,307	(28.58)
Volume of Production (mt)	31,286.34	24,678.60	(21.12)
Goat			
Inventory (head)	46,280	47,733	3.14
Volume of Production (mt)	598.59	442.30	(26.11)



Carabao inventory has slightly changed from 2020 to 2022. This year, Caraga attained 70,120 head which is 0.81 percent lower than the previous year of 70,692 head as shown in Table 11. Backyard farms are dominant in the carabao production at 99.9 percent while commercial farms shared 0.1 percent only.

Agusan del Sur attributed the largest inventory by 43 percent, or 30,049 head followed by the provinces of Surigao del Sur and Agusan del Norte by 27 percent or 18,775 head and 20 percent or 13,945 head respectively. Meanwhile, the provinces of Surigao del Norte and Dinagat Islands shared eight (8) percent or 5,846 head and two (2) percent or 1,505 head only (Figure 13).

Figure 13. Carabao Production Performance by Province, 2022. PSA



Moreover, the volume of production posted a 1.09 percent increase from 1,693.58 metric tons in 2021 to 1,711.99 metric tons in 2022 with Agusan del Sur as the top producer with 894.34 metric tons or 52 percent share of the total carabeef produced. Agusan del Norte came second with 577.35 metric tons while Surigao del Sur, Surigao del Norte, and Dinagat Islands shared 189.25 metric tons, 31.82 metric tons and 19.20 metric tons respectively.

Livestock Production Performance

The increase in total carabeef production was due to the increasing market price of beef as compared to carabeef. Thus, consumers opted to buy carabeef for their festivities and social gatherings.

Caraganons are estimated to consume 0.09 kilograms of carabeef per capita annually, hence, carabeef production sufficiency level in the region was 216.69 percent or a surplus of 333.69 metric tons.

Cattle

Cattle inventory for 2022 reached 18,814 head, 6.93 percent lower than the 20,215 head recorded in the same period last year.

About 98 percent of the region's total cattle inventory came from backyard farms, while the remaining two percent was from commercial farms. Agusan del Norte has the largest share of 52 percent or 9,718 head of the total cattle inventory of the region. This was followed by the provinces of Agusan del Sur with 22 percent or 4,138 head, and Surigao del Sur with 18 percent or 3,429 head. Surigao del Sur and Dinagat

Islands shared seven (7) percent or 1,306 head and one (1) percent or 233 head, respectively.

Beef production volume reached 1,168.79 metric tons in 2022 which is 11.57 percent lower than the previous year of 1,321.71 metric tons (Figure 14). Agusan del Sur produced 513.64 metric tons or 44 percent of the total production volume in the region, while 34 percent or 429.37 metric tons came from the province of Agusan del Norte. The remaining 22 percent or 225.76 metric tons came from the provinces of Surigao del Norte, Surigao del Sur and Dinagat Islands. The decrease in volume of production was due to the consumers' preference in carabeef in consideration of its lower market price than beef.

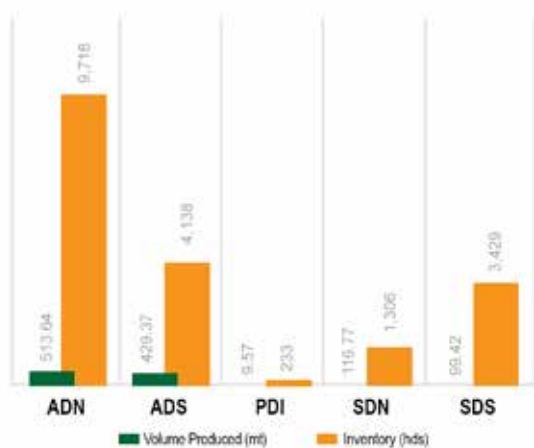
Goat

Total inventory in 2022 reached 47,733 head of goat. This was higher by 3.14 percent from the previous year's count of 46,280 head. The positive output was due to the collaboration of various National Government Agencies (NGAs) Local Government Units (LGUs) and other stakeholders by providing various interventions such as distribution of goat animals, animal insemination services, forage materials, drugs and biologics.

About 99 percent of the region's goat population were from backyard farms, while the remaining 1 percent was from commercial farms. Agusan del Sur shared the highest inventory by 44 percent or 20,889 head. This was followed by the provinces of Surigao del Sur by 23 percent or 11,196 head and Agusan del Norte by 18 percent or 8,624 head, while the provinces of Surigao del Norte and Dinagat Island shared 10 percent or 4,747 heads and five percent or 2,277 heads respectively.

Moreover, volume of chevon produced in 2022 posted at 442.30 metric tons, indicating a 26.11 percent decrease from 598.59 metric tons in 2021. Again, Agusan del Sur has the highest

Figure 14. Cattle Production Performance by Province, 2022. PSA



share in terms of volume produced of 292.66 metric tons. Surigao del Sur came second with 98.34 metric tons (Figure 15).

The decrease in production was attributed to the decreasing demand due to minimal conduct of festivities and social gatherings.

Caraga posted 460 percent or 199.91 metric tons surplus with Agusan del Sur as the most sufficient province with a net surplus of 696 percent.

Figure 15. Goat Production Performance by Province, 2022. PSA



Swine

Swine total inventory in 2022 registered 113,307 head. It recorded an annual decrease of negative 28.58 percent relative to last year's level of 158,655 head (Table 11). Factors affecting the decrease is the reluctance of the grower to continue in the business with the occurrence of African Swine Fever (ASF) as industry prospects remain uncertain amid continuing cases across the region. Some growers reduced the number of stocks during the moratorium of pork/hog regional exports and imports to avoid the spread of the disease while some commercial farms have just started to reopen their business.

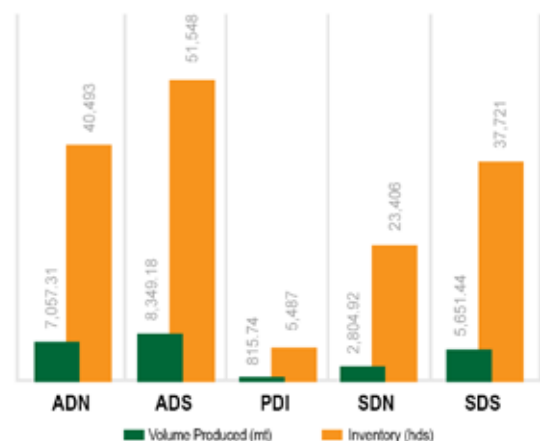
Backyard raisers shared 99 percent of the total swine production in the region while commercial shared 1 percent only. Agusan del Sur has the highest inventory by 31 percent, or 51,548 head, followed by the provinces of Agusan del Norte, Surigao del Sur and Surigao del Norte by 28 percent or 40,493 heads and 24 percent or 37,721 heads, 13 percent or 23,406 heads respectively. The Province of Dinagat Islands shared only 4 percent or 5,487 of the total animal inventory of the region as shown in Figure 16.

The total volume of pork produced in the region recorded at 24,678.60 metric tons in 2022, which is 21.12 percent lower than the previous year of 31,286.34 metric tons.

Agusan del Sur is the top producer of pork in the region with 8,349.18 metric tons or 34 percent share of the total production volume. Agusan del Norte ranked second which contributed 29 percent or 7,057.31 metric tons share while the province of Surigao del Sur, Surigao del Norte and Dinagat Islands shared 23 percent or 5,651.44 metric tons, 11 percent or 2,804.92 metric tons and 3 percent or 815.74 metric tons respectively.

It is estimated that each Caraganon consumes around 8.30 kilograms of pork in a year, thus, Caraga attained 91.95 percent in production sufficiency level in 2022. It is 1.46 percent higher than the 2021 sufficiency level of 90.63 percent.

Figure 16. Swine Production Performance by Province, 2022. PSA



Poultry Production Performance

The poultry production in the region is composed of 95 percent chicken and five (5) percent duck. For 2022, the chicken and duck inventory reached a total of 2,689,511 head which accounted to 1.38 percent higher than the previous inventory of 2,653,027 head.

However, total volume of production decreased to negative 7.28 growth rate from 14,771.68 metric tons in 2021 to 14,305.17 metric tons in 2022. The decrease was attributed to the prohibition of the export and import of poultry animals to control the spread of Avian Influenza pursuant to Memorandum Circulars 27 and 29 Series of 2022 issued by the Department of Agriculture.

Further, total egg production increased by a 21.55 percent growth rate from 9,294.87 in 2021 to 11,424.71 in 2022. The massive distribution of Ready to Lay (RTL) Chicken by the Department of Agriculture was one of the factors which contributed to the increase in egg production in the region. Another factor was the operationalization of CABCOR Egg Farm in barangay Taguibo, Butuan City.

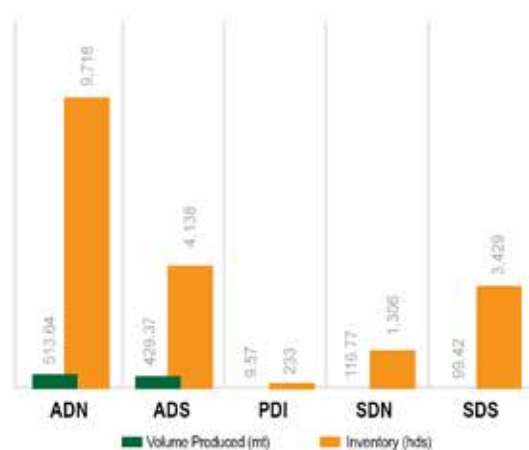
Table 12. Poultry Production Performance by Animal Type, 2021-2022. PSA

Production Performance Indicator	2021	2022	Growth Rate (%)
Total Poultry Production			
Inventory (head)	2,653,027	2,689,511	1.38
Volume of Meat Production (mt)	14,771.68	14,305.17	(7.28)
Volume of Egg Production (mt)	9,294.87	11,424.71	21.55
Chicken			
Inventory (head)	2,534,181	2,561,477	1.08
Volume of Meat Production (mt)	14,568.38	14,168.37	(2.75)
Volume of Egg Production (mt)	8,767.77	10,913.00	24.47
Duck			
Inventory (head)	118,846	128,034	7.73
Volume of Meat Production (mt)	143.30	136.80	(4.54)
Volume of Egg Production (mt)	527.10	511.71	(2.92)

Chicken

The chicken type in the region is composed of 48 percent native/improved chicken, 29 percent layer chicken, and 23 percent broiler chicken. In 2022, a growth rate of 1.08 percent or a total of 27,296 head was recorded from 2,534,181 head in 2021 to 2,561,477 head in 2022 due to the no movement imposed to control the spread of Avian Influenza. Because of that, growers were not able to export their produce outside the region.

Figure 17. Chicken Production Performance by Province, 2022. PSA



The province of Agusan del Norte has the largest share of the total chicken inventory at 59 percent, or 1,502,299 head followed by Agusan del Sur at 24 percent or 618,218 head. On the other hand, Surigao del Sur, Surigao del Norte, and Dinagat Islands contributed 12 percent or 312,040 head, four (4) percent or 92,697 head, and one (1) percent or 36,241 head, respectively as shown in Figure 22.

This year, the chicken volume of production decreased by negative 2.75 percent from 14,568.38 metric tons in 2021 to 14,168.37 metric tons in 2022. Of the total production, 73 percent or 10,374.05 metric tons were from the province of Agusan del Norte. 13 percent or 10,374.05 metric tons were from Agusan del Sur, while the remaining 14 percent came from the provinces of Surigao del Sur, Surigao del Norte, and Dinagat Islands as presented in Figure 23.

However, chicken egg production increased by 24.47 percent growth rate from 8,767.77 in 2021 to 10,913 in 2022. Agusan del Norte ranked first which contributed 72 percent or 7,847 metric tons of the total egg production in the region. Agusan del Sur came second contributing 20 percent or 2,193.71 metric tons followed by Surigao del Sur by seven percent or 774.85 metric tons and Dinagat Islands by one percent or 29.70 metric tons.

Chicken meat production sufficiency level in 2022 was at 56.42 percent with Agusan del Norte, and Dinagat Islands posted the production surplus by 114.47 percent or 813.55 metric tons surplus and 108.73 percent or 46.96 metric tons surplus respectively. Meanwhile, the Egg production sufficiency level posted a surplus of 287.88 metric tons, with only Agusan del Norte contributing the surplus.

Duck

Total duck inventory posted 128,034 head in 2022, with a growth rate of 7.73 percent against the previous year's same-period output of 118,846 head in 2021. Again, this is due to the issuance of Memorandum Circular 27 and 29 from the Department of Agriculture which banned the export/import of poultry animals to control the spread of Avian Influenza, thus, growers were not able to export their animals outside of the region.

Backyard production shared the biggest chunk by 97 percent while commercial duck production shared three (3) percent only. Agusan del Sur recorded the highest annual share in 2022 contributing 51 percent or 64,886 heads of the total duck inventory. This was followed by the provinces of Agusan del Norte and Surigao del Sur, 25 percent or 32,576 head, and 20 percent or 25,013 head, respectively.

Conversely, duck meat produced by the region decreased by negative 4.54 percent from 143

metric tons in 2021 to 136.80 percent in 2022 due to the decreasing demand caused by the said movement restriction.

Bulk of the production was recorded in Agusan del Sur, with 61 percent or 270.19 metric tons of the total duck meat production. This was followed by Agusan del Norte by 25 percent or 127.98 metric tons and Surigao del Sur by 21 percent or 105.49 metric tons. Meanwhile, Surigao del Norte and Dinagat Islands only shared one percent or 4.76 metric tons and 3.29 metric tons, respectively.

Similarly, duck egg production fell by a negative 2.92 percent growth rate from 527.10 metric tons in 2021 to 511.71 metric tons in 2022. Agusan del Sur shared 53 percent, or 270.19 metric tons of the total annual egg production followed by Agusan del Norte by 25 percent, or 127.98 metric tons, Surigao del Sur by 21 percent or 105.49 metric tons, and Surigao del Norte and Dinagat Islands by one percent or 4.76 metric tons and 3.39 metric tons respectively.

Duck meat production sufficiency level reached 39.90 percent in 2022 which is 26 percent lower than the previous year's production sufficiency level of 54.36 percent. Duck egg production sufficiency level reached 295.05 percent, with only Agusan del Norte posted the positive surplus.

Figure 18. Duck Production Performance by Province, 2022. PSA





Part II

Efforts in Achieving Transformation of Agriculture in the Region



Strategy 1

Boosting Local Production and Raising the Farmers and Fisherfolk's Income

Provision of Production Support Services

To boost local production, farmers were provided support in obtaining seeds, fertilizers, and other agricultural inputs, through the DA's flagship programs.

About **Php 79.3 million** worth of interventions were distributed to a total of **17,288 farmers** and **411 group beneficiaries** across the provinces which consist of the following:



Rice Program

353,840 kilograms of hybrid and inbred rice seeds



Php 18.5 million

4,724 farmer beneficiaries

14,400 kilograms of inorganic fertilizers, 6,500 kgs/ liters of rodenticides and bactericides



Php 17.3 million

5,005 farmer beneficiaries

Organic Agriculture Program

90 pieces of plastic drums



Php 100 thousand

39 farmer beneficiaries

Corn Program

49,466 kilograms of hybrid and inbred corn seeds



Php 15.4 million

300,000 pieces of various cassava planting material



Php 950 thousand

3,131 farmer beneficiaries

High Value Crops Development Program

538 kilograms of lowland vegetables



Php 4.2 million

50 group beneficiaries

16,073 pieces of various planting materials composed of banana, coffee, cacao, rubber, and sweet potato



Php 2.4 million

33 group beneficiaries

14,720 kilograms of rice and vegetable seeds



Php 1.8 million

206 farmer beneficiaries

125 heads of goat



Php 1.8 million

4 group beneficiaries

High Value Crops Development Program

20,000 liters of flower inducer, 3,169 pieces of garden tools, and one (1) unit of pump and engine sets



Php 4.1 million

161 group beneficiaries

Livestock Program

8,345 pieces of semen straws for cattle, carabao, and goat insemination activities



15 group beneficiaries

24,059 heads of native chicken, goat, sheep, and duck with 5,000 pieces of forage cuttings



Php 9.2 million

260 farmer beneficiaries

88 group beneficiaries

401 heads were produced through insemination activities



401 farmer beneficiaries

3,585 heads of cattle, carabao, and goat were inseminated



3,522 farmer beneficiaries

120,312 doses and 250 canisters of various drugs and biologics



Php 3.2 million

60 group beneficiaries

Provision of Buffer Stocks

In order to help farmers with a speedy recovery from losses or damages caused by adverse effects of climate change such as drought, dry spell, flooding, and typhoon, buffer stocks were positioned for immediate response. A total of **Php 16.9 million** cost of interventions were procured by the department through the following Banner Programs;



Rice Program

150,000 kilograms of registered and certified rice seeds



Php 5.7 million were positioned

6 Local Government Units

Corn Program

8,326 kilograms of hybrid and inbred corn seeds



Php 5.9 million

6 Local Government Units

Corn Program

250 liters of insecticides



Php 1 million

6 Local Government Units

High Value Crops Development Program

465 kilograms of lowland vegetable seeds



Php 3.7 million

All Provincial Local Government Units

20 kilograms of rodenticides



Php 4 thousand

6 Local Government Units

3,907 pieces of pheromone lure



Php 508 thousand

6 Local Government Units

Quick Response Fund (QRF) Interventions

To recall, last December 2021, Caraga Region was devastated by one of the strongest typhoons recorded in history, TD Odette (Typhoon Rai) which caused significant damages of Php 2.82 billions to crops, livestock, and fisheries, including agricultural machinery and infrastructures. To ensure that Caraga's farmers and fisherfolk will bounce back, the department's rehabilitation and recovery efforts

have provided various relief goods and farm inputs to the affected farms.

A total of Php 163 million Quick Response Fund (QRF) was released by the Central Office for the procurement of fertilizers, fungicides, bactericides, liquid zinc, rodenticides, breeder animals, feeds, seeds, planting materials, and farm tools which benefitted 25,075 affected farmers and 252 group beneficiaries.

A few months after, on April 2022, TD Agaton hit the region and affected the province of Agusan del Sur. A total of Php 433 million worth of damages to crops and livestock were recorded and Php 82 million Quick Response Fund (QRF) was released to provide seeds, fertilizers, planting materials, and other farm inputs to rehabilitate the affected farms.



Rice Crop Manager (RCM)

To identify the best nutrient management practices for specific rice fields in consideration of the timing, quantities, and type of fertilizers are some of the key components of the RCM recommendations, which are provided to farmers through a one-page print-out and a short messaging service (SMS). It enables agricultural extension workers to provide farmers with crop management recommendations that match their field conditions, using a computer or smartphone. A total of **12,187 RCM** recommendations were provided throughout the region.



Approximately **74,817 farmers** covering **50,708 hectares** have been registered and measured using a global positioning system (GPS). There were **133 agricultural extension workers** also registered as users.



Fertilizer Discount Voucher and Fuel Subsidy

The Rice Program distributed **10,541 fertilizer discount vouchers** to rice farmers across the region amounting to Php 11 million, benefiting 10,541 farmers and covering 10,000 hectares of rice farms.

On the other hand, the distribution of **2,248 fuel subsidies** to corn farmers in the region has also benefited **1,303 corn farmers** at **Php 3,000** each farmer.



Production Related Agricultural Machinery, Equipment, and Facilities Support Services

In support of the DA's farm mechanization program and to promote farm efficiency, a total of 60 units of various production machinery worth Php 34 million were distributed to 60 qualified Farmer's Cooperatives and Associations in the region.



Rice Program

6 units of four - wheel drive farm tractors, floating tillers, and rice combine harvesters



Php 6.1 million

410 ha. service area

6 group beneficiaries

Corn Program

7 units of a four-wheel drive farm tractor, combine harvesters, and pneumatic four-row planter



Php 18.4 million

1,200 ha. service area

7 group beneficiaries

Organic Agriculture Program

1 units feed pelletizer

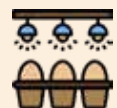


Php 1.5 million

1 group beneficiary

Livestock Program

46 units of egg incubators with hatchers, portable forage choppers, and LN2 field tanks



Php 18.4 million

7 group beneficiaries

Irrigation Network Services

To develop areas with an insufficient irrigation water, five (5) units of irrigation system worth Php 967,281 were established to address the water requirement especially during the dry season:

Rice Program

1 unit of Diversion Dam
1 unit of SWIP (Small Water Impounding Project)
** On-going Construction*

Corn Program

4 units of Open-Source Pumping Set and Pump and Engine Set



Php 496 thousand
 20 hectares served
 4 group beneficiaries

High Value Crops Development Program

1 unit of Spring Development



Php 471 thousand
 3 hectares served
 1 group beneficiaries

Local Feed Formulation Project

DA Caraga forged partnerships, particularly with the Department of Science and Technology - Caraga (DOST-Caraga), Bureau of Fisheries and Aquatic Resources - Caraga (BFAR-Caraga), Department of Environment and Natural Resources (DENR), and Agusan del Sur State College of Agriculture (ASSCAT) in the feed formulation project.

A Team to spearhead the project was composed, "Team Bahug" which conducted a community needs assessment to tactically analyze gaps in the value chain segments and to formulate plans to address the gaps and strengthen efforts to lower the cost of feed production.

The DA Integrated Laboratories analyzed 51 locally available raw materials promising nutritional values for feed components. One

of the notable raw materials found was the abundant janitor fish in the rivers of Agusan Marsh as fish meal, an important component in feed production. Likewise, a progressive tool was developed for the farmers' and fishers' use in formulating their own feeds.

DA Caraga also forged a memorandum of agreement with the Bureau of Fisheries and Aquatic Resources (BFAR) to conduct a study to determine the efficiency of the locally formulated feeds for Bangus and Tilapia from fry grow-out production, funded by PRDP with a project cost of Php 1.37 million.

Furthermore, a study on Sustainable Feed Development was also proposed for funding to fully respond to the needs and requirements of sustainable local feed production for livestock and fishery.



Establishment of Livelihood Projects

To reduce poverty and inequality by generating employment among poor households and by moving highly vulnerable households into sustainable ones toward economic stability, a total of 39 livelihood projects costing Php 35 million were successfully implemented.

Funding-wise, Php 21 million was funded under the Special Area for Agricultural Development (SAAD) Program. This program focused on the marginalized sectors of agriculture and fishery within the thirty (30) priority provinces as identified by the Philippine Statistics Authority (PSA) as well as areas covered by Executive Order No. 70, or poverty-stricken areas.

Four livelihood projects amounting to Php 5.2 million were funded under the Kabuhayan at Kaunlaran ng Kababayang Katutubo (4Ks) program which focused on poverty alleviation of the Indigenous Cultural Communities and Indigenous Peoples (ICCs/IPs) by developing their Ancestral Domains through agriculture.

Another four livelihood projects worth Php 3.1 million were funded under the Balik Probinsya Bagong Pag-Asa Program (BP2) to provide hope for a better future for returning Filipinos to their hometown through equity in resources.

Lastly, one livelihood project worth Php 6 million was funded by the Livestock Program under the Livelihood-Based Enterprise Development for the expansion and increase of animal inventory and breeder base to increase income of small animal raisers.

Special Area for Agriculture Development (SAAD)

Special Area for Agricultural Development (SAAD) provided 30 livelihood projects within Agusan Del Sur and Surigao del Sur benefiting 30 group beneficiaries. There were 67 specialized training courses conducted to capacitate a total of 1,966 farmer-beneficiaries.

Three units of hauling/delivery vehicles were turned over to three SAAD group beneficiaries. The vehicles were in support of the marketing and enterprise component of the program, to reduce the transportation cost in marketing activities.



Further, the National Program Management Office (NPMO) conducted Result-based Monitoring and Evaluation Rapid Appraisal (RBMERA) to assess and evaluate the livelihood projects and how it benefits the intended beneficiaries, stakeholders, and the community. The activity yielded a comprehensive finding, which includes capacitating the farmers and fisherfolk assisted by the program towards enterprise management, securing written agreements for land tenure, and identifying long-term markets for abaca and cacao products.

Kabuhayan at Kaunlaran ng Kababayang Katutubo (4Ks)

To address poverty alleviation of the Indigenous Cultural Communities and Indigenous Peoples (ICCs/IPs), the Kabuhayan at Kaunlaran ng Kababayang Katutubo (4Ks) Program has provided interventions based on the preferred commodity of the identified IP community, such as Banana and Abaca Production, as

well as Chicken and Goat Production. Two IP communities, Mamanwa and Manobo, have benefited from the said project, within the three CADT areas of the region.

From 2020 to 2022, three beneficiaries were able to generate income out of the interventions provided which contributed to the living condition of the Indigenous People in the region details are as follows:

- The Mamanwa Indigenous People Organization in Sitio Baliw, Brgy Payapag, Bacuag, Surigao del Norte was into producing banana and coconut with a total area of 47 hectares. Yearly, the organization produced a total of 24 metric tons of banana and vegetables. To address the high cost of transportation in hauling, the program has provided five heads of horses to bring their produce to neighboring markets. As of December 2022, the organization earned a total of Php 96,000 gross income.



- The rice farmers of Bunawan Manobo Ancestral Domain Management Council Inc., in Bunawan, Agusan del Sur were provided with one unit of Four-Wheel Drive Tractor (4WD) and one unit of Rice Combine Harvester, in support to the rice production of the organization. The provision of the said equipment has

contributed to the decrease in the cost of production. The Rice Combine Harvester has served a total of 150 hectares and generated a gross income of Php 1.5 million while the Tractor has served 110 hectares generating a total of Php 770 thousand.

- IP farmers in Wawa Sectoral Tribal Council and Manobo Tribal Council at Sibagat and Bayugan City were into production of abaca fiber having a total area of 55 hectares. The group received abaca planting materials and three units of abaca stripping machines. To date, a total of 5,000 kilograms of fiber were already stripped from September 2022 and sold their produce at Php 70.00 per kilogram generating a total gross income of Php 350,000.00.

Balik Probinsya Bagong Pag-Asa Program (BP2)

In response to the issues of population density and urban sustainability that compound our ability to address the COVID-19 pandemic. The Department of Agriculture participated in the government's program through the Balik-Probinsya Bagong Pag-Asa Program (BP2) to provide livelihood to those who return to their respective hometowns.

The project has already served a total of 152 beneficiaries across the region of which 77 are local beneficiaries while 75 are principal beneficiaries. Each beneficiary was provided with a livelihood module namely, duck production, free-range chicken production, ampalaya and eggplant production, and mushroom production.



Livestock (Livestock Based Economic Enterprise Development (LEED))

The Livestock Program aims to intensify the role and contribution of the Livestock and Poultry sub-sectors in increasing the income of small-scale farmers. One of the strategies employed is the Livestock-Based Economic Enterprise Development (LEED) Project. Out of the four modules, the program was able to establish one Cattle module with the following components: housing, animals, feeds and stocks to Esperanza Livestock and Poultry Raisers Association, located at Esperanza, Agusan del Sur.



Establishment of Enterprise Development Project

Philippine Rural Development Project: I-REAP Component

To strengthen and develop viable Agri fishery-based enterprises through efficient value chains of key agricultural and fishery products, a total of **Php 17.5 million** of enterprise support under the PRDP-IREAP component was given to Mabuhay Seaweed Farmer and Fisherfolks Association (NMSFFA) of the New Mabuhay, Dinagat, Province of Dinagat Island and Casiklan Wheels Farmers Association Inc. (CAWFAI) of Las Nieves, Agusan del Norte. The support will be used to implement the projects, namely, Seaweeds Production, Processing, and Marketing and Green Coffee Beans Production and Marketing.

As a result, NMSFFA initially produced 47,714 kilograms of seaweed sold at Php 3.00 per kilogram which generated a total gross income of Php 143,154.00. On the other hand, CAWFAI initially collected/produced 600 kilograms of green coffee and on continuous operation.

Two subprojects namely, Bangus Production and Marketing of MMAA in Nasipit, Agusan del Norte amounting to Php 6.8 million, and Seaweeds Production and Marketing worth Php 8.2 million of PUGAW in Hinatuan, Surigao del Sur were currently in procurement status.

Also, three subprojects with a total cost of Php 20.6 million were issued with NOL 1 namely, Abaca Fiber Processing and Marketing of MUFACO in San Luis, Agusan del Sur, Abaca Fiber Processing and Marketing of KAMAANAN in Lanuza, Surigao del Sur, and the Consolidation and Processing of Green Coffee Beans of SANIDECO in Tagbina, Surigao del Sur.



Integrated National Swine Production Initiative for Recovery and Expansion (INSPIRE)

Over 74 barangays of the 38 municipalities within Agusan del Norte, Agusan del Sur, Surigao del Norte, and Surigao del Sur were hit by the African Swine Fever (ASF) with a total of 1,000 hogs affected.

Four groups of affected swine raisers, comprising 89 individuals were provided with 180 heads of swine including 295 bags of feeds, and 1,020 doses of drugs and biologics amounting to Php 2.4 million.

Stringent protocols on border checkpoints were ensured and implementation of the recovery, rehabilitation, and repopulation program in coordination with the respective Local Government Units (LGUs).

To date, there were four ASF-affected areas that were already cleared with the virus and ready for the re-operationalization of the hog-raising business.

Municipalities and Commercial Farm cleared from African Swine Fever

- **Brgy. Matho**, Cortes, Surigao del Sur



 November 10, 2020

 May 10, 2022
- **Brgy. San Isidro**, Loreto, Agusan del Sur



 February 19, 2021

 April 12, 2021

 June 28, 2022
- **Brgy. Patong**, San Miguel, Surigao del Sur



 February 26, 2021

 May 10, 2022
- **First Marson Agri-Farm Inc.**, Brgy. Balang-balang, RTR, Agusan del Norte



 May 13, 2022

 September 2, 2022



Farm Clustering and Consolidation Program

Fisheries Clustering and Consolidation Program (F2C2) is one of the strategies for empowering smallholder farmers to take advantage of economies of scale. Organization of the Farm and Fishery clusters and the crafting of their respective cluster development plans are in progress. As of yearend, **52 clusters** have been established with **6,309 farmer members**, and **10 cluster development plans (CDPs)** have been formulated.

Young Farmers Challenge



It was observed that the majority of the youth are no longer interested in agriculture, thus, the Department of Agriculture coined the Young Farmers Challenge Program to provide assistance to the youth who will engage in agri-fishery enterprises.

Conducted a Business Model Canvas (BMC) workshop to provide the participants with a thorough understanding of the program and create a comprehensive and competitive Business Canvas in preparation for the actual Provincial Level Competition. As a result, 96 enterprises attended the Provincial Pitching and 75 enterprises were awarded as Provincial Winners.

Further, the Regional Winners, alongside the Provincial Winners of YFC 2021 and 2022, showcased their products during the conduct of the Regional Summit cum Kadiwa ni Ani at Kita where a total of 20 exhibitors participated.



Loan Facilitation Services

To improve access to credit for both Small Farmers and Fisherfolk, Micro and Small enterprises engaged in agriculture and fisheries production and other supply chain activities, the Department of Agriculture expanded the loan assistance through the Agricultural Credit Policy Council (ACPC) under the Sure Aid Program, Kapital Access for Young Agripreneurs (KAYA), and the Agri-Negosyo Loan Program (ANYO).



- Php 43 million was granted to 326 Small Farmers and Fisherfolks (SFF) and 5 Micro and Small Enterprises (MSEs).
- Php 900 thousand was granted to 4 Small Farmers and Fisherfolks (SFF Agri-Negosyo Loan Program (ANYO) - under Kapital Access for Young Agripreneurs (KAYA)
- The SURE Assistance Program granted Php 139 million to 54,359 Small Farmers and Fisherfolks (SFF) and 7 Micro and Small Enterprise (MSE).

Strategy 2

Ensuring Accessibility to Affordable, Safe, and Nutritious Food that Benefit all Filipinos

Regulatory Services

To ensure the accessibility of safe and nutritious food, the Regulatory Division in coordination with HALAL and Organic Agriculture Program continued to enforce the farmers' compliance with farming standards. To date, the following were duly endorsed and certified:

Farms-Endorsed for Good Agricultural Practices Certification (GAP)



Tranfiguracion Agricultural Learning Center

Robert M. Transfiguracion
Rosario, Tandag City, Surigao del Sur
Commodity : Eggplant



Diamond Sunrise Valley Farm

Rogelio C. Cadano
Sukailang, Surigao City, Surigao del Norte
Commodity : Dragon Fruit, Lettuce



Monaly Farm

Analy A. Perez
Mabini, Surigao City, Surigao del Norte
Commodity : Eggplant, Okra, Ampalaya, Batong, Upland Kangkong, Kalabasa, Upo, Pipino, Alugbati



Marcos Tello Farm

Fatima Emma T. Caye
Capalayan, Surigao City, Surigao del Norte
Commodity : Rice



Memorada Farm

Silfredo D. Salem
Trinidad, Surigao City, Surigao del Norte
Commodity : Rice, Corn, Mango, Banana, Coconut



JBA Farm

Jonard C. Aguilar
Bayan, Marihatag, Surigao del Sur
Commodity : Rice



VPO Farm

Christopher D. Ocite
Anoling, Rosario, Agusan del Sur
Commodity : Cacao



Castones Farm

Irene T. Castones
Sukailang, Surigao City, Surigao del Norte
Commodity : Coconut, Banana



Guias Farm

Sheila M. Maglines
Nongnong, Butuan City, Agusan del Norte
Commodity : Banana



LGU – Las Nieves Demonstration Farm

Leonito C. Pasquito
San Isidro, Las Nieves, Agusan del Norte
Commodity : White Corn, Coconut, Rambutan, Lanzones, Durian, Santol, Marang, Mangosteen, Mango, Guyabano, Calamansi, Avocado, Banana



Daya Farm

Reynaldo M. Dayao
Tandag City, Surigao del Sur
Commodity : Pipino, Ampalaya, Batong, Okra, Eggplant



Emily Integrated Farm

Emily P. Nimes
Gamuton, Carrascal, Surigao del Sur
Commodity : Rice, Lettuce



Paqueo Farm

Ronald P. Manongas
Sukailang, Surigao City, Surigao del Norte
Commodity : Coconut, Roselle, Pineapple, Cacao, Dragon Fruit



Jabeez Farm

Jhoanna G. Garcia
Nongnong, Butuan City, Agusan del Norte
Commodity : Coconut, Roselle, Pineapple, Guyabano, Cacao



Selades Agricultural Learning Center

Reynaldo G. Selades
Cayale, Tago, Surigao del Sur
Commodity : Banana, Coconut, Pineapple, Gabi (Taro), Cassava



M&M Hydro Farm

Melanie Mae Licayan
Lipata, Surigao City, Surigao del Norte
Commodity : Lettuce



Tagbina Research and Experiment Station
 Frank Wendyl D. Tusoy
 Maglambing, Tagbina, Surigao del Sur
 Commodity : Cassava, Cacao, Coffee, Sweet
 Potato, Rambutan, Durian



Cabilin Integrated
 Arsolino S. Cabilin
 Tagasaka, Hinatuan, Surigao del Sur
 Commodity : Coconut, Banana



Frias Farm
 Renato R. Frias
 Basa, Trento, Agusan del Sur
 Commodity : Corn



FRIEND Foundation
 Cristina A. Bulaon
 Lapinigan, San Francisco, Agusan del Sur
 Commodity : Dragon Fruit, Mushroom,
 Mangosteen, Rambutan, Coconut



Damiao Farm
 Rodilio A. Damiao
 Barobo, Surigao del Sur
 Commodity : Coconut

Certified for the Good Husbandry Practices (GAHP)



Brydumz Poultry and Hatchery Corp. (Layer)
 William C. Go
 P-IA Tiniwisan, Butuan City
 Commodity : Poultry and Hatchery
 (Conventional Type)

Endorsed for Pre-inspection for Organic Agriculture Certification



SIFBAFAMCO
 Father Anthony Salay
 Loreto, Agusan del Sur
 Commodity : Organic Rice



PPP - CSU Renters
 Charles Ong
 Ampayon, Butuan City
 Commodity : Organic Rice

HALAL Certified



Radin Food Products
 Dirah Lyra Pantaleon
 San Francisco, Agusan del Sur
 Product : 5 variants of salt
 fermented fish (Ginamos)

Further, as of December 31, 2022, a total of **5,979 practitioners have already adopted** organic agriculture, an increase of 77% from 3,377 practitioners in 2018.

Bantay ASF sa Barangay

Active surveillance, through the implementation of (Bantay ASF sa Barangay) BABay ASF Ordinance, including deputation of Barangay Biosecurity Officers were enforced throughout the region of which a total of **711 Barangay Biosecurity** was deputized. This seeks to create an effective ASF monitoring and surveillance and reporting system, to intensify the practice of biosecurity measures in all hog farms and to assist in recovering the hog industry.

Market Development Services

Food Mobilization - Kadiwa ni Ani at Kita Program

The KADIWA on Wheels proved to be effective in bringing basic commodities to the calamity-affected consuming public. It served the areas badly hit by Typhoon Odette in the Province of Dinagat Islands and Siargao Islands, Surigao del Norte, transporting various agriculture and fishery products and other basic commodities produced by our Kadiwa partners - the farmer's cooperatives and associations (FCAs) who promptly responded to the community's needs.

To deliver better access to nutritious, safe, and affordable food, the DA Caraga in partnership with the FCAs were able to mobilize 138 KADIWA ni Ani at Kita activities through Kadiwa



Express, Kadiwa retail selling, and Kadiwa Online. A total of 94 barangays were covered generating total sales of Php 7.3 million. These were participated by one hundred twenty-four (124) FCAs who displayed their local produce such as eggs, dressed chicken, vegetables, fruits and other agri/fishery products. On the other hand, six groups and two individuals were matched during the market matching activities conducted, with a total of Php 1.26 million booked sales negotiated.

Caraga Region was featured during the Agrilink Foodlink Aqualink 2022. The annual exhibition is one of the largest trade exhibitions in



agriculture, food and aquaculture that features a variety of agricultural products and services, organized by the Foundation for Resource Linkage & Development. Caraga Region as the spotlight, highlighted the priority high value crops of the region such cacao, coffee, abaca, rubber, and soybeans.

During the three-day stint, the sales generated from the selling booths reached Php 192,142.00 with an addition of Php 98,000.00 from the Agrilink organizers' orders. Also, the farmer-exhibitors were able to arrange and negotiate with potential buyers: (1) Casiklan Wheels Farmers Association, Inc. (CAWFAl) of Las Nieves, Agusan del Norte had negotiated with five potential buyers for their green coffee bean; (2) San Isidro Upland Farmers Multi-Purpose Cooperative (SIUFMULCO) of Santiago, Agusan del Norte had one promising buyer that would help them link their abaca fibers to international markets; (3) Km. 7 Farmers Producers Cooperative (KFPC) of Tungao, Butuan City negotiated with several buyers for their cup lumps, fermented beans and planting materials; and (4) Soybean farmer from Trento, Agusan del Sur had arranged delivery of his black soybeans to Cebu City.

With these results, the Agribusiness and Marketing Assistance Division (AMAD), the agency's marketing arm, will closely monitor the progress of these negotiations to ensure continuity and sustainability.

Urban Gardening for the Youth

Taking on the challenge of contributing to the country's drive for food sufficiency, an Urban Gardening Contest for youth was initiated by the Regional Information Section, assisted by the City Agriculture of Bayugan, Bislig, Tandag and Surigao City in their respective area.

The participating youth groups established their urban vegetable gardens using various urban gardening strategies. With a total of P100,000 cash prizes at stake, P30,000 was awarded to Sangguniang Kabataan (SK) of Surigao City, which bagged the first place; P25,000 to SK Tandag City as the second placer; and P20,000 to SK Bayugan City as the third placer.

Further, the cities of Butuan and Bayugan also received consolation prizes of P10,000 each. SK Bayugan City likewise received the special

award dubbed as Agri Youth in Action with a P5,000 cash prize. Each participating city also received vegetable seeds, garden tools, chicks and biologics.



Gulayan sa Paaralan

Despite the physical absence of students in schools due to the pandemic, the High Value Crops Development Program continued its Gulayan sa Paaralan (GPP) by providing garden tools. A total of 150 schools across the region received 3,169 garden tools consisting of shovels, sprinklers, digging forks, grab hoes, bolo, hand cultivators, rakes, fork hoes, and wheelbarrows. Providing gardening tools is a great help to the learners improve the efficacy of their work, thus, making them more productive.

The Gulayan sa Paaralan was envisioned by the DA in partnership with the DepEd and the LGU to help address malnutrition concerns among children. It fosters public awareness of the health, nutritional and economic benefits of establishing schools, households, and community gardens. It also inculcates among learners the values of good health and nutrition, industry, love of labor, and caring for others.

Establishment of Floating Vegetable Garden in the Marsh Land Areas

The Department of Agriculture- Caraga proved that its services are not limited to easy-access areas only, but even in inaccessible areas like marshlands, where planting is a challenge during flooding seasons. Sustainable livelihood for the Agusan Marsh settlers is a necessity to address the challenges of climate change, like long period of flooding, and no permanent agricultural land suitable for cultivation.

The establishment of floating plant nursery and garden, in Barangay Sabang Gibong, Talacogon, Agusan del Sur was a success. It provided them source of vegetables, root crops and spices, while the production land is underwater.

With the collective efforts and resources of DA-Regional Agricultural Engineering Division (RAED), High-Value Crops Development Program (HVCDP), Organic Agriculture (OA), PLGU -Agusan del Sur, MLGU-Talacogon Municipal Agriculture Office and the MSC-Center for the Poor, materials for the garden were provided to the Indigenous People (IP) community which include including net, bamboo poles, ropes, seeds, seedling trays, plastic mulch, and sprinklers to start the 50 units of floating garden.



Farm-to-Market Roads

To provide road connectivity and reduce transport costs to farmers, the implementation of Farm-to-Market Road Development Project funded Php 263.6 million based on the FY 2022 General Appropriations Act (GAA) for the implementation of 16 FMR projects with an indicative total length of 24.25 kilometers. Two out of 16 FMR projects were already completed with a length of 2.25 kilometers costing Php 26.8 million. Seven FMR projects were already above 50 percent physical accomplishment with a length of seven kilometers amounting Php 58.2 million while seven FMR projects are below 50 percent with an indicative length of 15 kilometers amounting Php 178.5 million.

Of the 24 FMR projects funded in FY 2021, 11 FMR projects were already completed in 2022 with 22.13 kilometers costing Php 241 million, 4 FMR projects are at above 50 percent physical accomplishment with 18.43 kilometers amounting Php 190.7 million, and 9 FMR projects with below 50 percent accomplishment, 17 kilometers in length amounting Php 190.3 million.

This Locally-funded project benefitted a total of 1,038 households and generated 177 jobs.

Similarly, the Philippine Rural Development Project (PRDP), a foreign-funded project, completed (2) FMR projects with 42.16 kilometers length costing Php 561.6 million. This benefitted 4,257 households composed of 10,600 males and 9,606 females.



Other Infrastructures

Under the Infrastructure Component of the Philippine Rural Development Project (PRDP) six units watch towers was completed on December 30, 2022, amounting Php16,546,758.29. The subprojects were established in the barangays of Poblacion, Matho, Mabahin, Tigao, Uba, and Madrelino in Cortes, Surigao del Sur. These projects serve 3,377 households and 10,180 individuals within the municipality and other fisherfolk outside the municipality.

With the completion of the project the following results are expected;

- Reduce the number of intrusions of unregistered fishers from other municipalities thus reducing losses from illegal activities by at least 25%.
- Increase the daily average individual fishers catch from four kgs. to five kgs.
- Increase the market value of fishery products by changing the composition of the catch where 70% of the volume of catch have reached marketable size, and
- Expand seaweed production area by at least 50%.



Developing Strong, Modernized, and Climate Resilient Value Chains through the Delivery of Quality Services

Adaptation Mitigation Initiatives in Agriculture

Mainstreaming Climate Resilient Agriculture in the programs and projects implemented by the Region, the Adaptation and Mitigation Initiatives in Agriculture (AMIA) had established 14 AMIA Villages covering a total of 577.95 hectares in the most vulnerable areas of the region.

To support the established AMIA villages, a total of Php 464,920.00 was allocated for the procurement of various support for rice, corn and cassava, organic vegetable, and poultry production. These were coupled with the provision of technical assistance, trainings for crop and livestock production and appropriate climate resilient technologies amounting to Php 77,782.00. A total of 639 individual farmers benefitted from the following interventions.



Rice Production – Php66,400.00

24 bags of various inorganic fertilizers and 56 liters of farm chemicals composed of fertilizers, insecticide and fungicide.



Corn and Cassava Production - Php5,520.00

84 pieces of cassava seed pieces and 2 bags of corn seeds.



Organic Vegetable Production - Php279,000.00

416 kilograms/bottle/pcs/roll/bag of OHN materials composed of garlic, onion, ginger, hot pepper, gin/ mallorca, plastic drums/ garden hose and organic fertilizers



Poultry Production - Php114,000.00

108 bags/vial/box of feeds, vaccines, and vitamins.

Project Results

From its project implementation in 2019 until 2022, 14 AMIA villages were already established of which eight of these villages were already able to produce vegetables, rice, mushrooms, chicken and eggs.

Mushroom Production

- AMIA villages at Brgy. Bunga, Lanuza, Surigao Del Sur, and Brgy. Zillovia, Talacogon, Agusan Del Sur were given a total of 800 pieces of fruiting bags last December 2021. On March 2022, both villages produced a total of 61 kilograms of fresh mushrooms which were sold at Php 250.00 per kilo generating a total of Php 15,250.

Vegetable Production

- Barangay Diaz, Tubajon, Province of Dinagat Islands, produced a total of 1,393 kilograms of vegetables harvested within three croppings in 2021 and 2022. This is composed of string beans, okra, eggplant, bitter guard, and bell peppers which generated a total of Php 38,915.00.
- Junction Vegetable Association (JNVGA) Vegetable Production already produced 7,540.45 kilograms of various vegetables such as string beans, cabbage, cucumber, bottle gourd, squash, ampalaya, sweet pepper and generated a total of Php 224,795.5.

Duck Production

- The mallard ducks in Diaz Independent

Women's Organization (DIWO) initially produced 1,659 eggs or around 55 egg trays and sold at Php250.00/egg tray every other week. The organization also initiated to use natural incubation of native ducks and produced 21 heads of ducklings.

Results based Monitoring and Evaluation Training

To capacitate the AMIA technical staff on how to systematically monitor the project and be able to gather important data that will aid in the analysis of the impact and effectiveness of the project, the Result Base Monitoring, and Evaluation (RBME) training was conducted. The training also provided them with skills to effectively carry out planning, monitoring and reporting.

Farm Weather Outlook Advisories

Farm weather outlook advisories such as 10-Day Farm Weather Advisories (weekly), and Regional and Provincial Seasonal Climate Outlook Advisories (monthly) were also published to guide farmers on the weather conditions in the locality, which helped farmers in proper planning of their farm activities.

Research and Development

The Research Division is mandated to conduct on-farm and on-station studies channeling midstream and downstream research technologies towards the goal of enriching Filipino farmers with improved and newly generated agricultural technologies. With this mandate, the division has implemented various research and development (R&D) projects that are expected to be beneficial to the region's agriculture sector – focusing on the region's priority commodities such as rice, corn, high-value crops and livestock.

For the year, there were 17 research projects implemented in multiple locations regionwide with a total allocation of P13,224,057. The core project is mainly focused on supporting

the development of the Rice industry which accounts the bulk of the R&D funds equivalent to 64% of the total budget. The Bureau of Agricultural Research (DA-BAR) continued to be the strongest partner in pushing our research initiatives as they ploughed in a considerable resource this year of P3,022,751 or 23% of the aggregate R&D fund. The Corn-Cassava Banner Program as well as the Department of Science and Technology - Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST-PCAARRD) were also among the funding sources of the region's R&D undertakings.

This year's notable R&D accomplishments include research recognition, successful product development and certifications/accreditations from different product and services standards. The study titled "Product Development and Commercialization of Locally Available Agri-Products in Caraga Region" was recognized as 2nd Best Development Paper during the "2022 Regional Symposium on R&D Highlights (RSRDH)" conducted by the Caraga Consortium for Agriculture, Aquatic, Forestry, and Natural Resources Research and Development (CCAARRD) Consortium.

On the other hand, seven agri-related food products were developed of which four of them were already submitted for microbial and nutritional analyses namely, adlay energy bar, cacao powdered drink, GinSal (Ginger and Saluyot) powder, and flavored balut. The other three – mushroom sigig, mushroom cookies, and mushroom pickles were still at the shelf-life analysis stage with the strong support and cooperation of our partners – the farmers, Local Government Units (LGUs), private sectors, Research, Development, and Extension (RDE) networks, and other stakeholders.

Other Production Support Services

The Research Stations remained persistent in complying with product certifications and standards as they have been awarded with Agri-tourism accreditation, GAP certification, BPI certification for foundation trees (lanzones, rubber, durian, and inbred rice seed

production), nursery accreditation from BPI, as well as learning site certification from ATI.

As part of our advocacy of ensuring farmers adoption of high-quality seeds for increased productivity and income, the stations distributed 16,195 kilograms of rice and corn seeds to the farmers across municipalities in the region. A total of 18,050 kilograms of organic fertilizers were also provided to interested farmers and group recipients.

Extension Support, Education and Training Services

To offer technical information and showcase new agriculture technologies, the Department through the different Banner Programs and Operating Units was able to accomplish the following activities. Provision of the necessary production inputs and services were provided to support the proper demonstration of technologies in order to obtain the optimum productivity.

Model Farms

Established three sites of cassava, white and yellow corn, with a total production area of 130 hectares, specifically located in Uswag Batad Cluster, La Paz, Sta. Ines Corn Cluster, San Luis, Loreto, Agusan del Sur. A total of Php 7.4 million was allocated for the procurement of farm inputs such as seeds, planting materials and fertilizers. Also, 28,200 cacao and mango trees were fertilized.



Technology Demonstration

Established 92 sites of hybrid rice, corn, sorghum, cacao and mango technology demonstration which covered 26 hectares, in the municipality of San Francisco, Talacogon, Prosperidad, Esperanza, San Luis, Bunawan, Veruela, Lapaz, Rosario, Sta Josefa, Agusan del Sur, Cabadbaran, Buenavista, RTR, Las Nieves, Agusan del Norte, Butuan City, Madrid and Cantilan Surigao del Sur. The project cost of Php 15M was for the procurement of farm inputs such as seeds and fertilizers. As a result, adaptation to modern technology and market linkage for farmers were established in the region.



Trainings Conducted

16 educational training were conducted by the Rice, Corn, and Organic Agriculture spending a total amount of Php 1.8 million, namely; Promotion on Good Agricultural Practices, Cassava and Corn Cluster Development, Corn-Livestock Integration Program, Corn and Sorghum Production, Training Course on Fall Army Worm Management, Operation and Maintenance of Farm Machinery and

Equipment, Seed Growers, Financial Literacy, and Goat Production and Management, and Inner Conditioning. As a result, a total of 657 participants were capacitated through the training conducted.

Information, Education and Communication Dissemination

Massive information dissemination was also conducted by the department through the distribution of various Information, Education, and Communication (IEC) Materials such as print, audio, video, information caravans, roadshows, and press conferences, which was spearheaded by the Regional Agriculture and Fishery Information Section:

Print Media

- 15,805 copies of IEC materials of various DA programs were produced and distributed nationwide costing 1.6 million pesos.
- 50 tarpaulins, streamers, signages, and billboards were produced and installed amounting to 15 thousand pesos.
- One Livestock Poultry Information & Early Warning System Situationnaire released amounting to Php 414,755.36

Broadcast

- Aired agriculture related radio programs, tv plugs, and jingles 5,105 times amounting Php 1.9 million and released the produced broadcast, photo video materials, and audio-visual to 900 advertisement spots.

Audio Visual Production

- 31 Audio Visual Productions (AVPs) were produced featuring stories of outstanding farmers and organizations, commodity profiles, and advertisements.
- 10 produced video materials were uploaded to the Department's website, Facebook and YouTube page enable to Increased social media presence resulted in more engagement from viewers.

Social Media

- 10 produced video materials were uploaded to the Department's website, Facebook and YouTube page enable to Increased social media presence resulted in more engagement from viewers.

Information Campaign and Advocacy

- Conducted nine Information Caravans and two roadshows for a wider reach in DA's advocacies and promotion of technologies. Also, to encourage the Sangguniang Kabataan & Brgy. Officials of 15 localities across the region in establishing urban gardening in their respective communities to ensure food, security, and availability.
- Conducted Information Awareness Campaign for Urban Gardening Organic Agriculture and Prevention and Control of Emerging Pests and Diseases of Corn and Bio-N Fertilizer in the municipality of Sison, Gigaquit, Alegria, & Mainit, Surigao del Sur participated by 35 farmer-participants in every area of which the participant learned more about Organic Agriculture and common pests and diseases as well as on how to manage them particularly with the use of bio-control agents, and thus will be more equipped in their farming ventures.
- Conducted Press conferences/ Press release and media interfacing amounting Php 2 million. Through the activity, vital and correct information on pressing concerns of the agriculture sector were disseminated to the media who in turn transmitted the information to the public.



Post-harvest Machinery, Equipment Support Services

A total of 261 units of post-harvest machineries and equipment costing Php 21.8 million were procured and distributed 38 farmer-organizations in the region, to help them reduce production losses and increase their income.

Corn Program

23 units of cassava chipper, recirculating dryer, cassava granulator, cassava granulator, cassava grater with presser, corn mill, multi-crop drying pavement, solar poly-tunner dryer, hauling truck for cassava, corn husker-sheller

 Php 13 million

 18 group beneficiaries




Prior to the turnover of the projects, the Regional Banner Programs in coordination with Regional Agricultural Engineering Division (RAED), conducted operation training and demonstration to ensure safety and proper operationalization of the machinery and equipment distributed. Operating the farm machineries and facilities can be a difficult undertaking, hence, ensuring that operators are well equipped with proper training and skills to maneuver and maintain the units to maximize and prolong its usage.



Organic Agriculture Program

10 units of Pinawa rice huller and shredder

 Php 3.7 million

 3 group beneficiaries



High Value Crops Development Program (HVCDP)

228 units of bean sorter, multi-commodity solar dryer and plastic crates

 Php 5 million

 17 group beneficiaries

Farmers and Fisherfolk Development Information System (FFEDIS)

FFEDIS as mandated in the Republic Act 11321 also known as the Sagip Saka Act is a web-based information system/database of registered/accredited farmers and fisherfolk enterprises designed to assist the government in formulating plans and programs on enterprise development as well as for documentation, planning, reporting and processing purposes in availing agri-fishery enterprise related interventions of the Department of Agriculture.

To provide awareness on the Program as well as populate the System, a total of 20 FFEDIS Orientation and Registrations were conducted to various municipalities and cities in the region. A total of **108 enterprises** were registered in the system. This attributed to 116% increase in number of enterprises registered from FY 2021 data.

Strategy 4

Institutionalizing Policy Reforms and Strengthening Institution to Enhance Efficiency and Accelerate the Modernization of the Sector

Strengthening Agricultural Extension System

Registry System for Basic Sectors in Agriculture

The Registry System for Basic Sector in Agriculture (RSBSA) continued in the registration of farmers in the region, with a total of 11,244 farmers encoded in the registry. A total of 9,099 hectares of farmland were also georeferenced. The registry system is a reliable source of data information to be used as a basis/reference in the implementation of various programs as well as the formulation and evaluation of policies of DA. Likewise, the system serves as a requirement in availing any intervention from any of the agencies of the department, in addition to the documentary requirements of the program.



Province-led Agriculture and Fishery Extension System

To strengthen the collaboration between DA, local government units, academe, and private sector, the Provincial Agricultural and

Fisheries Extension Systems (PAFES) will be institutionalized to bring extension services to the grassroots level amid the challenges of devolution.

With PAFES, the province serves as an extension hub that synchronizes agricultural plans and programs as well as orchestrate the activities of the various stakeholders. DA will co-plan, co-invest, co-implement, and co-monitor priority projects in the provinces, particularly as they embark on commodity specializations to maximize comparative advantage.

Moreover, Agusan del Norte being the pilot province have already finalized and endorsed the Collaborative Provincial Agriculture and Fishery Extension Plan (CPAFEP) to the Secretary of Agriculture, including with the co-investment agreement approved by the Local Chief Executive of Agusan del Norte.

Below is the status of the remaining provinces for the implementation of PAFES in coordination with the respective Local Government Units (LGUs) and the Agricultural Training Institute (ATI):





PAP/ PAFES Component Activities	Agusan del Sur	Surigao del Norte	Surigao del Sur	Dinagat Islands
PHASE 1: Conduct of Rapid Appraisal (analysis & packaging)	x	x	x	x
PHASE 2: ESTABLISHING PAFES Signed & submitted PAFES MOA (forged)	/	/	/	/
PHASE 3: ESTABLISHING PAFEC				
a. Creation of Provincial Agri- Fishery Extension Center (PAFEC)	x	/	/	x
b. Composition of Provincial TWG/ Multi disciplinary Teams	/	/	/	/
PHASE 4: MAPPING-OUT OF THE CPAFEP				
a. Collaborative Provincial Agriculture and Fisheries Extension Program (CPAFEP) Finalized	x	x	x	x
b. Approval of the CPAFEP by the Governor	x	x	x	x
c. Submission to the Secretary/ RED for co approval	x	x	x	x

Provision of Incentives to Agricultural Extension Workers (AEWs)

The Agricultural Extension Workers (AEWs), being the extension arm of the department has been providing support in the efficient implementation of the DA's various programs and projects.



This year, the DA provided a total of Php 41.1 million Incentives to 2,493 City/Provincial Veterinarian/Agriculturist, Agricultural Technologists and Local Farmer Technician with the following disaggregation, by banner program:

Rice Program

 Php 18.5 million
 676 AEWs





Corn Program

 Php 4.3 million
 368 AEWs





HVCD Program

 Php 5.9 million
 527 AEWs





Organic Agriculture Program

 Php 3.4 million
 156 AEWs



Livestock Program

 Php 8.8 million
 766 AEWs



Bantay Presyo Monitoring Activity

In order to provide real-time price data, monitoring of prices of agri-fishery commodities were regularly conducted to six (6) major markets in the region and price information was disseminated through the DA-Caraga Radio Program, posted in AMAD Bulletin, DA FB Page and encoded in the Bantay Presyo Monitoring System housed in the DA Caraga website.

A Quarterly Regional Bantay Presyo Monitoring Team (RBPMT) Meeting was regularly conducted to discuss and resolve issues as well as share updates from member agencies related to prices of agri/fishery commodities.

Various Capability Trainings were also conducted to FCA beneficiaries of market related infrastructure projects to improve their operation, management and project sustainability.

Development of Organizational Policies, Plans and Procedures (DOPP)

The DA Regional Office spearheads the integration of local plans in consideration of the thrusts, priorities/programs guidelines of the Department including the conduct of periodic monitoring of programs and projects implemented to ensure a holistic and responsive regional plan and its effective implementation.

Planning and Programming

Participation in the formulation of the National Agriculture and Fishery Industrialization Plan (NAFMIP)

Conducted three provincial consultations to various Agri/Fishery stakeholders to gather inputs and recommendations in the formulation of the National Agriculture and Fishery Industrialization Plan (NAFMIP 2021-2030). The 10-year plan is guided by the DA's OneDA reform agenda: Consolidation, Modernization, Industrialization, and Professionalization and its 18 Key Strategies. This directional plan will fuel the transformation of the Philippine Agriculture and Fishery Sector into a modernized and industrialized sector.

Capacity Enhancement of LGU Planners

In preparation for the implementation of the Mandanas – Garcia Ruling by 2023, the PMED spearheaded the conduct of the Capacity Enhancement of LGU Planners. It was aimed to deepen and enhance knowledge and understanding of developmental planning processes and tools that will equip the LGU Planners in performing their roles in crafting its local agriculture and fishery plans. The output of the activity was the formulation of Rice, Corn, Swine, and Poultry Industry Plan.

Monitoring and Evaluation

Conduct of Regional Review and Assessments

Regional Review and Assessment is a regular activity conducted by the PMED. This is to assess the status of implementation of various programs/projects vis-a-viz the committed targets and identify as well as resolved bottlenecks that caused the delay.

Local Government partners were also given an opportunity to showcase their initiatives and provided updates of their local flagship programs that complemented DA's programs.



Conduct of Monitoring and Evaluation

Project monitoring and evaluation has been a continuous activity to track the status of the DA-implemented projects and assess its results in terms of project objectives and the benefits it has provided to our farmer-beneficiaries.

There were **459 units** of the DA distributed/implemented projects regionwide monitored, which include nurseries, greenhouses, budwood gardens, and seed storage under High Value Crops Development Program; Rice Mechanization Program under the Rice Program; and Bayanihan II-funded projects.

Results of monitoring were reported to the management through the conduct of the Monitoring and Evaluation Report Conference every end of the semester, as feedback mechanism and to institute remedial courses to address valid issues and concerns.



Information, Communication, and Technology

To improve the efficiency and productivity of the Department, the PMED through the Information, Communication, and Technology Unit (ICTU) was able to:

- Maintain seven local systems namely Performance Management Information System (PMIS), Rice Competitiveness Enhancement Fund (RCEF) Verifier, Rice Inventory System, Records Archiving, Department of Agriculture Electronic Maps for Agricultural Projects and Status (DA-EMAPS), Agri-Presyo Monitoring Information System and File Server System.
- Maintain two Unified Comprehensive Administrative System such as the Personnel Information Portal and Property Management System.
- Integrate the Agricultural and Biosystems Engineering Management Information System (ABEMIS) Database to the Department of Agriculture Electronic Maps for Agricultural Projects and Status (DA-EMAPS) System.
- Procure and distribute 22 units of Laptop Computers, four units of printing equipment, and one unit KVM Switch Device and Office Productivity Software licenses to the operating units to improve office productivity.

Since March 2022 the E-Budget were already fully operational in the region.

Regional Agriculture and Fishery Council (RAFC)

To assist the DA in the broad-based monitoring and coordination of the agriculture and fisheries modernization process and serve as integrative and consultative structure for inter-agency and intersectoral collaboration in agriculture and fisheries modernization.

Passed/ Endorsed and Adopted Resolutions

- Institutionalization of Agrikultura ug Pangisda sa Parokya Project (Adopted)
- Institutionalization of Kabataang

Magsasaka at Mangingisda Project
(Adopted)

- Establishment of Regional Growers' Profile (Adopted)
- Establishment of Regional Investment/ Training Hub
- Establishment of Caraga Organic Fertilizer Academy (COFA)
- Establishment of Satellite Office of National Dairy Authority
- Inclusion of HVC farmers in the fuel subsidy

Partnership Agreement forged

- **Parish Pastoral Council - Christ the King Parish of Tungao, Km7 Farmers Producers Cooperative** to engage the parishes from around the region to optimize unutilized land and address food security from the smallest unit of the community, to capacitate farmers and parish members in agri-fishery related trainings and improve their livelihood.
- **Banwaon Tribe Youth Group**
To advocate to the youth groups how to optimize digitalization through digital agriculture, technology innovations, mechanization, and online marketing and to inspire the youth groups in the region to indulge in agri-fishery activities and contribute in attaining food security.
- **Caraga Media Practitioners for Livelihood Cooperative (CAMEPRALICO)**
To help spread the advocacy of the Agricultural and Fishery Councils (AFCs) for agri-fishery development, RAFC engaged the media practitioners in disseminating the information, education and communication (IEC) materials of DA Banner Programs and Special Projects for the knowledge of the community.

Private sector empowerment through multi-stakeholder participatory processes

- Conducted 24 Sectoral Committee Meetings which was participated by 210 Regional /Provincial/Municipal Agriculture Fishery Council across the region. The activity serves as a venue for AFCs to discuss and provide policy recommendations to uphold the agriculture and fishery sector, strengthen the role to capacitate AFCs in

the development process, highlight best practices to improve and maintain the operation of the respective sector in the council and, foster and strengthen the camaraderie between and among different levels of AFC.

- AFC day was attended by 150 participants from different provinces of the region.
- Facilitated the conduct of 17th Mindanao AFC Congress which was attended by 75 participants from the different regions in Mindanao. Participants were engaged in discussions on local agricultural and fisheries concerns as well as the development in their areas and came up with collaborative decisions and action through policy recommendations.
- Conducted monitoring activities of 300 units of pre and post-harvest machinery and equipment and 14 farm-to-market with 11.503 kilometers of which 100% of the monitoring result was presented to the sectoral chairperson through the conduct of Exit Conference.



Establishment of the Regional Growers' Profile of Priority Commodities in the Region

To have a competitive and sustainable production of priority commodities in the region, the RAFC created a regional database for Cacao Growers across the region as a pilot commodity. The application aimed to map production areas of different priority commodities and to identify the appropriate distribution of interventions

Accreditation of Civil Society Organizations (CSOs)

To encourage people's participation in agricultural development based on good governance the Department intensified its campaign for the accreditation of Civil Society Organizations (CSOs). DA- Caraga issued Certificate of Accreditation to 48 Farmers Cooperatives and Associations (FCAs). These CSOs had availed various projects worth Php 2.3 million which includes Enhanced Kadiwa Financial Grant, Livestock Economic Enterprise Development (LEED) and Swine Sentinelling project.

PRDP I-PLAN Component

The I-PLAN Component aims to strengthen the DA's planning, programming and budget execution process in support to the Agriculture and Fisheries Modernization Plan (AFMP). This serves as the basis for resource allocation and prioritization of DA programs, projects and activities implemented at the regional level. In coordination with the Provincial Project Management and Implementing Unit (PPMIU) and Other Government Agencies, the component had the following activities conducted:

Conduct of Soybean Value Chain Analysis in Caraga Region

Soybean is considered as an emerging industry in the region. The said commodity is an important global crop and considered to be a source of complete protein necessary for the human body and feed formulation.

The Value Chain Analysis is a framework that seeks to analyze specific activities through which interventions can create value and competitive advantage. This is a scientific approach being undertaken by PRDP in order to fund projects. The approved VCA serve as basis for the commodity investment plans of the LGUs, roadmaps for partner agencies, & private stakeholders.

Last September 5, 2022, the PRDP NPCO have already issued a No Objection Letter (NOL) for the VCA for Soybean in Caraga Region.

Updating of the Provincial Commodity Investment Plans (PCIPs)

As a roadmap for the agriculture and fishery sector in the provinces, the updated PCIP ensures that resources are maximized by achieving synergy between the different players of the value chain and by building partnerships with the LGUs, government agencies and private sector/stakeholders. A total of five PCIPs were updated by the respective provinces in the region.

Part III

Support Services



Integrated Laboratories Services

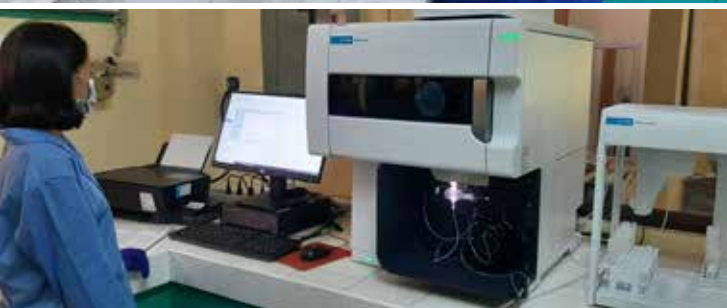
The integrated laboratories in coordination with the different banner programs were able to respond the laboratory needs of the farmers, researchers, students, private stakeholders and other clientele.

Regional Soils Laboratory

- Analyzed 4,987 samples of soil and organic soil amendments and special assay worth Php 800 thousand covering a total of 4,618.12 hectares and serving a total of 1,765 farmers across the region.
- Refilled 121 Soil Testing Kits (STK) serving 20 farmers.

Regional Feed Chemical Analysis Laboratory

- Analyzed 3,097 samples of crude protein, crude fat, moisture content, ash and crude fiber, aflatoxin in feeds and corn worth Php 832 thousand



Animal Disease and Diagnostic Laboratory

- Analyzed 118,99 samples of pathology, parasitology, virology, bacteriology, serology, necropsy worth Php 909 thousand serving a total of 8,327 farmers.
- Conducted 130 disease investigation and surveillance across the region.

Molecular Laboratory

- Analyzed 14 samples of viral disease (African Swine Fever) and provided timely diagnosis especially that the viral disease is highly notifiable animal disease not only in the region, but throughout the country. With the operationalization of the molecular laboratory, there is timely laboratory results, as basis for prevention and control including policy recommendations.



Regional Crops Protection Center

- **13 different species of Biological Control Agents** were produced to suppress/manage major insect pests and diseases of priority commodities such as rice, corn, vegetables, coffee, fruits, cassava, and cacao. These are the *Metarhizium anisopliae* and *Beauveria bassiana* intended for 200 insect pest and other arthropods, *Trichogramma* species intended for corn borer, stem borer and fruit/ pod borer, *Trichoderma harzianum* intended for soilborne pathogenic fungus and for rapid composting of organic materials, Coccinilid, Eawig, Predatory bug & Green lacewing are predators of insect pest and Nuclear Polyhedrosis Virus that infect lepidopterous pest.
- Of the 13 different reared species, the center produced **2,573,541 packs/trichocards** of which, 99.8% or a total of 2,570,221 were already distributed to **346 farmer - beneficiaries**.

Pest and Disease Validation and Diagnosis

- Pest and disease validation were conducted in the hotspot area of the region. Rice, Corn, Cassava areas found to be infested/infected with pests and diseases were validated and surveyed. RCPC surveyed 87.5 hectares throughout the region and provided free Biocon agents to affected farmers.
- Further, the center diagnosed 17 samples submitted to the laboratory for examination, which include soybean, tomato, coffee samples and provided recommendations for its control and management.



Acquired the Philippine National Police (PNP) Permit/License to Purchase Controlled Chemicals. The permit is one of the requirements of the laboratory to be able to purchase regulated dangerous explosive chemicals such as Nitric acid that is needed in the analysis of plant tissue.

Capability Development of Laboratory Personnel

To improve the delivery of laboratory services, three (3) RSL personnel attended the training in Singapore on the operation and basic troubleshooting of ICP-OES (Inter Couple Plasma-Optical Emission Spectrometer), a newly acquired advanced equipment used in the determination of macronutrient, secondary and micronutrient of soil samples, water and plant tissues in ppb level and CNS Equipment for the determination of Carbon, Nitrogen, and Sulphur in soils and organic samples.

Participated and Passed in Proficiency Testing Programs to ensure that all laboratory tests conducted are accurate, reliable, and credible.

- Global Soil Laboratory Network (GLOSOLAN) Proficiency Testing Program conducted by Food and Agriculture Organization, Rome, Italy.
- Food and Fertilizer Technology Center (FFTC) and Taiwan Agricultural Research Institute (TARI) Proficiency Program,
- Philippine National Soil Laboratory Network (NASOLAN) conducted by the Bureau of Soil and Water Management (BSWM).

License to Operate for the Soils Laboratory was issued by Bureau of Soil and Water Management (BSWM) in compliance with existing laboratory laws. The said license shall be valid for three years unless earlier revoked or cancelled.

Agriculture and Fishery Engineering Support Services

Assistance to the Local Assemblers and Manufacturers

Currently, a total of **22 local Manufacturers, Fabricators, Assemblers, Distributors, Dealers, Importers, and Exporters (MFADDIEs)** of agricultural machinery and equipment were registered and issued with Permit-to-Operate (PTO) by the Bureau of Agricultural and Fisheries Engineering (BAFE). Out of 22, seven local MFADDIEs were registered and issued the permit in 2022.

Permit-to-Operate (PTO) refers to the privilege granted to any MFADDIE that have passed the review, inspection and evaluation conducted by DA-BAFE and DA-RAED and is allowed to engage in a particular line of activity which include manufacturing, fabrication, assembly, distribution, dealing, importation and exportation of agricultural and fisheries machinery.

Implementation of the said regulation is pursuant to Sections 20 and 24 of the Republic Act No. 10601, otherwise known as the Agricultural and Fisheries Mechanization (AFMech) Law.

Strengthening of Agricultural and Biosystems Engineering (ABE) Unit

A total of four capability enhancement activities were facilitated to enhance the technical capabilities of the Agricultural and Biosystems Engineers (ABEs) employed in Department of Agriculture – Caraga and Local Government Units (LGUs). The activity benefited 23 ABEs from LGUs, two from Academe and 20 from DA-Caraga.

The trainings focused on the capability of conducting Infrastructure Quality and Monitoring Durability System (IQMDS), Material Testing and Quality Control (MTQC), Performance Testing on various

agricultural machinery and Plans, Designs and Specification preparation for various agricultural infrastructures.

After the training, 18 ABEs underwent assessment conducted by BAFE and Agricultural Machinery Testing and Evaluation Center (AMTEC) as Certified Test Engineers (CTEs) with five ABEs as Senior TEs, three as Junior TEs.

Currently, there is a total of 21 CTEs in the region authorized to perform testing and evaluation of agricultural and fisheries machinery pursuant to RA 10915. CTEs will also assist the UPLB-AMTEC in the conduct of Confirmatory Testing. Out of the 21 CTEs, 14 are male ABEs and seven are female ABEs.



Assessment of Rice Processing Centers

A total of 15 units of Rice Processing Centers (RPCs) in the region were assessed and results showed that 10 facilities were functional and operational, three were not operational and two units were no longer functional. The facilities were assessed comprehensively in terms of physical, organizational and enterprise aspect.

The two non-functional RPCs were totally damaged by typhoon Odette that badly hit the provinces of Dinagat Islands and Surigao del

Norte last December 2021. While the three non-operational were caused by the unavailability of electrical supply, with presence of nearby facility that served the same purpose but with higher capacity, dismemberment of the organization and the perennial-direct selling of produce.

Moreover, it was also identified that the facilities and its farmer-group beneficiaries lack the capabilities on policy formulation, proper implementation of enterprise operations-data recording, and absence of marketing agreements and sustainability plan.

The assessment result paved the way for project improvements. In fact, with the initial findings, the farmer groups were then subjected to



various training courses appropriate for their needs. Likewise, it opened for enhanced processes in project implementation to ensure success.

The RPC assessment was the first collaborative activity of Regional Agricultural Engineering Division (RAED), Agribusiness and Marketing Division (AMAD) and the Field Operations Division (FOD) and Planning Monitoring and Evaluation Division (PMED).



Mainstreaming PRDP Processes

PRDP guidelines and processes were already taking roots with the DA regular programs and projects. The DA Caraga adopted the Value Chain Analysis (VCA) as the tool for identifying Interventions, Operations Manual for Infrastructure Development, Methodology for Business Planning in support to Enterprise Development and Grievance Redress Mechanism (GRM)/Citizen Monitoring and Feedback System.

Other activities such as O&M audit, Rapid Appraisal of Emerging Benefits (RAEB), Citizens Monitoring Tool were introduced at the second semester of the year. This was part of the outcome of the Memorandum Order No. 62, series of 2022 by the National Office. One of the results was that the ROMAT was able to conduct O&M audit to three DA-implemented subprojects using OMAS tool.

Lastly, as part of the recognition of the hard work of partner LGUs and Stakeholders, the RPCO Caraga awarded the outstanding LGUs and DA Regional Operation Maintenance and Audit Team, to inspire the partner-LGUs and strengthen relationship to fast track the project implementation.

General Administration and Support Services (GASS)

Learning and Development

To continuously improve the delivery of services to internal and external clients, the Admin and Finance Division facilitated the participation of employees through various Personnel Development Training. A total of **71 employees were sent out to attend 10 training programs conducted by the Civil Service Commission (CSC), Philippine Association for Government Budget Administration (PAGBA) and Association of Government Auditors (AGAP).**

Merit Selection and Placement

The Human Resource Selection Board has conducted systematic selection of employees through merit and fitness, employing the competency-based selection process. As a result, there were 23 promotional appointments and 17 original appointments issued after undergoing thorough a competitive selection and placement processes.

Further, several employees were honored, who have been serving the Department for at least 10 years of unwavering service and dedication.

- 40 Years - Andres L. Alemania
- 35 Years - Rebecca R. Atega
- 35 Years - Lynn A. Pareñas
- 30 Years - Corazon A. Yamit
- 30 Years - Esther B. Cardeno, DVM
- 30 Years - Reynold D. Udarbe
- 30 Years - Rosie T. Amarillo
- 30 Years - Marie Jocelyn C. Santiago, DVM
- 25 Years - Irene M. Mahinay
- 25 Years - Engr. Rene Q. Morales
- 25 Years - Gemma A. Asufre
- 20 Years - Nicandro M. Navia, Jr.
- 20 Years - Edelmira R. Luminarias
- 15 Years - Tijani B. Auxtero

The recognition of officials and employees for their accomplishments and efforts that contribute to the efficiency and economy in government operations, as well as satisfactory performance, is part of the DA-Caraga's

Program on Awards and Incentives for Service Excellence (PRAISE), which is intended to encourage creativity, innovativeness, efficiency, integrity, and productivity in the public service.

Scholarship Programs Attended by Select Employees

Mae-J R. Ruayana

Master's Degree in International Development
International University of Japan
Nigata Prefecture, Japan

Claire P. Ilagan

MS in Crop Science major in Agronomy
Caraga State University
Butuan City, Agusan del Norte





Financial Performance

DA Caraga has a total financial allocation of nine hundred eighty-three million nine hundred twenty-five thousand one hundred sixty-three pesos (**Php 983, 925,163.00**), based on General Appropriations Act (GAA). Obligation incurred a total of Php 978,227,247.51 or 99.42% and a total disbursement of Php844,727,835.43 or 86.35%. The sound fiscal performance paved for garnering a national award, being the top three among the regional offices of the Department.

Status of DA FY 2022 Funds (Current Appropriations)

As of December 31, 2022

Particular	Allotment	Obligation	% Utilization	Disbursement	Disbursement Rate (%)
Summary by Expenses Class					
Personal Services	136,759,680.20	135,972,086.22	99.42%	135,676,689.54	99.78%
MOOE	717,545,711.13	714,348,973.67	99.55%	625,045,364.28	87.50%
Capital Outlay	129,619,771.87	127,906,187.62	98.68%	84,005,781.61	65.68%
Total	983,925,163.20	978,227,247.51	99.42%	844,727,835.43	86.35%
Summary by Program Expenditure Classification (PREXC) Program					
General Management & Supervision	40,114,078.86	39,833,603.15	99.30%	39,161,038.80	98.31%
Support To Operations	268,961,707.53	268,091,812.04	99.68%	264,142,008.85	98.53%
Technical & Support Services (PSS, ESETS, MDS, and R&D)	240,143,284.00	239,159,577.80	99.59%	227,890,721.07	95.29%
Irrigation Network Services	39,925,000.00	39,713,381.18	99.47%	9,825,872.54	24.74%
Agricultural Machinery, Equipment & Facilities Support Services (AMEFS)	97,548,000.00	97,242,503.40	99.69%	81,602,500.87	83.92%
Other Production Support Services	20,701,478.83	20,612,155.59	99.57%	20,543,473.04	99.67%
ESETS on Halal Food Industry Development Program	600,000.00	600,000.00	100%	591,939.14	98.66%
Other Market Development Services Activities	24,945,347.99	24,885,855.86	99.76%	23,228,255.37	93.34%
Other Research & Development Activities	23,081,047.84	23,010,327.06	99.69%	22,881,816.91	99.44%
Farm-to-Market Road	4,189,000.00	4,100,110.34	97.88%	3,958,912.32	96.56%
Agriculture & Fishery Regulatory Support Program	10,089,930.45	10,078,468.69	99.89%	9,971,403.00	98.94%
Locally Funded Projects	74,532,000.00	72,336,960.73	97.05%	64,038,130.28	88.53%
Other Fund Sources	139,094,287.70	138,562,491.60	99.62%	10,448,801.65	7.54%
Total	983,925,163.20	978,227,247.51	99.42%	844,727,835.43	86.35%

Regional Agriculture and Fisheries Information Services

The Regional Agriculture and Fisheries Information Section (RAFIS), being the information and public relations arm of the Department of Agriculture-Caraga conducted activities for better information dissemination and adoption of agri technologies.

To increase following and reach more listeners from remote municipalities, the TeleRadyo, a weekly DA radio program with livestreaming, was launched and was aired in five community radio stations.

Another activity to increase youth engagement in agriculture is the Agri Galing Year 4. For this year, the contest had two categories, the Documentary Film Contest and the Jingle Making Contest. The two competitions are one of the campaign strategies of the department to execute well its advocacy campaign for the development of agriculture through the help of the young minds of the new generation.

For the Agrivisory Textblasting, a total of 31 text messages were sent out to farmers and other agriculture sector stakeholders for information dissemination.

The DA-Caraga's radio program "Bahandi sa Kaumahan" which is hosted by Aurelius Arais, also continued to air every Monday at 9:00 – 10:00 AM over the station Hope Radio. Six provincial radio programs anchored by Local Government Unit (LGU) farmcasters were also aired in different provinces of the region.



Gender and Development

With the mandate stipulated in MCW, the Department of Agriculture (DA) focuses on Gender Mainstreaming as a strategy for creating policies, programs, and projects in all social, political, civil, and economic realms that take both women's and men's concerns and experiences into account as an important part of the design, implementation, monitoring, and assessment and will ensure that both groups gain equality.

The DA-GAD conducted a series of activities and events that were in line with its scope and mandates which pushed for gender equality and were categorized as organizational-focus and client-focus these are as follows:

Women's Month Celebration

Guided by the common pursuit towards gender equality and women empowerment, the Department of Agriculture joined the Women's Month Celebration with a theme of "We Make Change Work for Women" last March 2022. DA-GAD facilitated a series of activities such as pampering and beauty rejuvenation for women employees, participated in the Indigenous People Community Outreach Program at Kitcharao, Agusan Del Norte, and conduct of Sportsfest Activities spearheaded by the DA Sports committee.

Search for Outstanding Rural Women 2022

The Department of Agriculture – Caraga recognizes the contribution of rural women farmers, fisherfolk, workers, and entrepreneurs



in the community who performed exemplary in the field of agriculture.

This year, the search was pursued again with more vigor despite the threat of COVID contamination was diminished but the precautionary health protocols were still observed. Moreover, the focus is to search for outstanding women in rural areas with high poverty incidence. This is to determine how the nominee has overcome the barriers prevailing in her area and the impact of her success in uplifting the lives of people in her community.

As a result, **Ms. Sonia B. Estrella** from Socorro, Surigao del Norte bagged the Regional Outstanding Rural Woman, Ms. Jhoanna



Garcia of Butuan City was the first runner-up; Ms. Emily Nemis of Carrascal, Surigao del Sur, was the second runner-up, Mrs. Annaliza Cabantug of San Luis, Agusan del Sur was the third runner-up, and Ms. Josephine Monter of Santiago, Agusan del Norte was the fourth runner-up.

Ms. Estrella being the regional winner, represented the region at the national level in the Search for Outstanding Rural Women awarding ceremony which she received a consolation prize.

The exceptional rural women received plaques of recognition and financial rewards during the Agri Awards ceremony last November 25, 2022, held at the Grand Palace Hotel in Butuan City.

Gender and Development Program (GAD) conducted Gender Audit

Through Harmonized Gender and Development Guidelines (HGDC) tools, the DA-Gender and Development Program conducted a Gender Audit of all the divisions of the Department of Agriculture. This is to assess how gender-responsive the program and projects of the Department of Agriculture were. The result showed that most of the department's programs and projects were gender-responsive and gender sensitive.

Awards and Recognitions Received

DA Caraga was recognized as one of the Gender-responsive agencies.

Heeding the call of the RDC-RGADC, the Department of Agriculture joined the CY 2021 Search for Gender-Responsive Agency. The office, through the GAD, submitted the result of the Agency's Gender Audit using the Gender Mainstreaming Evaluation Framework (GMEF).

Owing to the act, the Office was recognized as one of the Gender-Responsive Agencies in the Caraga Region. The awards conferment was held at LMX Convention Center, Butuan City last August 15, 2022, in time for the 13th Anniversary of RA 9710 (Magna Carta of Women) celebration.

RAFC Caraga Region

Eagle Eye Award, was awarded to the Regional Agricultural and Fishery Council, for having exhibited utmost dedication and diligence in validating the impact of DA programs and projects on the ground.

While, Agricultural and Fishery Council Tech Savvy Award for the development of an application that provided a more efficient, user-friendly, and systematized monitoring of AFC accomplishments.

Key Officials



ENGR. RICARDO M. OÑATE, JR.

REGIONAL EXECUTIVE DIRECTOR
(NOVEMBER 2021 TO PRESENT)

REBECCA R. ATEGA

OIC-REGIONAL TECHNICAL DIRECTOR
FOR OPERATIONS AND LGU SUPPORT



NICANDRO M. NAVIA, JR.

REGIONAL TECHNICAL DIRECTOR
FOR RESEARCH, REGULATIONS & ILD



MELODY M. GUIMARY

OIC, FIELD OPERATIONS DIVISION



PRIMITIVA O. ARQUION

OIC, ADMIN & FINANCE DIVISION



JOSEFA M. GIDACAN

CHIEF, PLANNING, MONITORING
& EVALUATION DIVISION



ABEL F. WAGAS

CHIEF, RESEARCH DIVISION



LYNN A. PAREÑAS

CHIEF, AGRIBUSINESS &
MARKETING ASSISTANCE DIVISION



JOHNNY M. CONCON

CHIEF, REGULATORY DIVISION



ENGR. RENE Q. MORALES

CHIEF, REGIONAL AGRICULTURAL
ENGINEERING DIVISION



GEMMA A. ASUFRE

OIC, INTEGRATED LABORATORIES DIVISION



Implementing Partners

REGIONAL MANAGEMENT COMMITTEE

ENGR. JUNE NATHANIEL S. PLAZA
ACTING REGIONAL MANAGER
NATIONAL IRRIGATION ADMINISTRATION



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

OMNIA B. OLAMA
OIC, REGIONAL DIRECTOR
BUREAU OF FISHERIES AND AQUATIC RESOURCES



LOWELL C. PARAGUAS, DVM
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER

VERALEW DE VERA
OIC, REGIONAL MANAGER
NATIONAL FOOD AUTHORITY



ENGR. EDGAR B. TESTA
CLUSTER A HEAD, MINDANAO AREA
PHILIPPINE CENTER FOR POSTHARVEST
DEVELOPMENT AND MECHANIZATION

JOEL B. OCLARIT
REGIONAL MANAGER
PHILIPPINE COCONUT AUTHORITY



CHRISTOPHER H. LINDO
CHAIRMAN
REGIONAL AGRICULTURAL AND FISHERY COUNCIL

MARIA ANCILLA ZARTIGA, DVM
OIC, DIRECTOR
NATIONAL MEAT INSPECTION SERVICE



DANILO S. NEGRE
COORDINATOR
FERTILIZER AND PESTICIDE AUTHORITY

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



ALDWIN P. CUENCA, DVM
REGIONAL ANIMAL QUARANTINE OFFICER
BUREAU OF ANIMAL INDUSTRY

SAMUEL M. NACINO, JR.
DIRECTOR II
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY



RAYME S. LADAO
REGIONAL PLANT QUARANTINE OFFICER
BUREAU OF PLANT INDUSTRY

FIL VICTOR BABANTO
OIC, CENTER DIRECTOR
AGRICULTURAL TRAINING INSTITUTE



JESTER JOHN P. JADAP, DVM
OIC, DEPARTMENT MANAGER - CDO
NATIONAL DAIRY AUTHORITY

MARLON C. FLORES
OIC, DEPARTMENT MANAGER - DVO
NATIONAL DAIRY AUTHORITY

LOCAL GOVERNMENT UNIT

PROVINCIAL/CITY AGRICULTURIST

ALVIN P. ACLAN
AGUSAN DEL NORTE



ARMANDO G. VALIENTE
AGUSAN DEL SUR



RUBY-ANN S. LAGA HIT
SURIGAO DEL NORTE



MARCOS M. QUICO, RA, MPA
SURIGAO DEL SUR



ENGR. MARLON E. CUECO
DINAGAT ISLANDS



ENGR. PIERRE ANTHONY D. JOVEN
BUTUAN CITY



PROVINCIAL/CITY VETERINARIAN

BELEN M. ARUELO, DVM
AGUSAN DEL NORTE

JORIZ G. ELEVAZO, DVM
AGUSAN DEL SUR

LIFE SHEILA L. CUBILLANES, DVM
SURIGAO DEL NORTE

MARGARITO G. LA TORRE, JR.
SURIGAO DEL SUR

AIMEE A. JIMENO, DVM
DINAGAT ISLANDS

MANCIO DANILO A. ALEGADO, DVM
BUTUAN CITY

Implementing Partners

CITY AND MUNICIPAL AGRICULTURIST

AGUSAN DEL NORTE

GERTRULYN A. NATONTON
BUENAVISTA, AGUSAN DEL NORTE

MA. ARCELI C. SORIA
CABADBARAN CITY, AGUSAN DEL NORTE

JOSEPH L. DELOS SANTOS
CARMEN, AGUSAN DEL NORTE

ROLLY O. CARSULA
JABONGA, AGUSAN DEL NORTE

RAUL M. DEL AGUA
KITCHARAO, AGUSAN DEL NORTE

LEONITO C. PASQUITO
LAS NIEVES, AGUSAN DEL NORTE

ROSELYN R. MORRONDOZ
MAGALLANES, AGUSAN DEL NORTE

LYDIA A. APATAN
NASIPIT, AGUSAN DEL NORTE

MARIA NENITA T. DAOHOG
R.T.ROMUALDEZ, AGUSAN DEL NORTE

DOMINADOR M. TINOSA, JR.
SANTIAGO, AGUSAN DEL NORTE

PEDRITO S. NALAM
TUBAY, AGUSAN DEL NORTE

AGUSAN DEL SUR

ARTURO C. SULARTE, ABE
BAYUGAN, CITY AGUSAN DEL SUR

ENGR. REY S. ESPAÑOL
BUNAWAN, AGUSAN DEL SUR

JOSE ZALDY S. MANUG
ESPERANZA, AGUSAN DEL SUR

JUNNIE REX C. AMBUS
LA PAZ, AGUSAN DEL SUR

PARIS OQUIAS
LORETO, AGUSAN DEL SUR

MARLITA P. CORTEZ
PROSPERIDAD, AGUSAN DEL SUR

DELIA O. VALENZUELA
ROSARIO, AGUSAN DEL SUR

VIÑA R. RANOCO
SAN FRANCISCO, AGUSAN DEL SUR

CEASAR G. BURDEOS
SAN LUIS, AGUSAN DEL SUR

MIRALUZ M. CONVOCAR, DVM
STA. JOSEFA, AGUSAN DEL SUR

NERISSA O. NERIO
SIBAGAT, AGUSAN DEL SUR

ENGR. DENNIS DUMAGUIT
TALACOGON, AGUSAN DEL SUR

DEOLITA D. ABADILLO
TRENTO, AGUSAN DEL SUR

DARWIN B. BALONDA
VERUELA, AGUSAN DEL SUR

SURIGAO DEL NORTE

RAUL C. MICOMPAL
ALEGRIA, SURIGAO DEL NORTE

WILMA L. OPALIA
BACUAG, SURIGAO DEL NORTE

OSCAR L. DOMÍÑOS
BURGOS, SURIGAO DEL NORTE

ANGELITA M. ESPINOSA
CLAVER, SURIGAO DEL NORTE

JOVITO S. GAMBONG
DAPA, SURIGAO DEL NORTE

DR. FEDIL T. GONZALES, JR.
DEL CARMEN, SURIGAO DEL NORTE

LELIS C. TRAYA
GEN. LUNA, SURIGAO DEL NORTE

GILDA A. BERSABAL
GIGAQUIT, SURIGAO DEL NORTE

ARNOLD D. CANANGCA-AN
MAINIT, SURIGAO DE NORTE

LORETA C. LOREN
MALIMONO, SURIGAO DEL NORTE

JANINE E. ENHAYNESS
PILAR, SURIGAO DEL NORTE

EMERITA P. ELAJAS
PLACER, SURIGAO DEL NORTE

GINA D. MENDAVIA
SAN BENITO, SURIGAO DEL NORTE

ENGR. MCORAN V. JACOB
SAN FRANCISCO, SURIGAO DEL NORTE

JAY MARK JABAY
SAN ISIDRO, SURIGAO DEL NORTE

LOUIE VILLE O. LERONA
STA. MONICA, SURIGAO DEL NORTE

SILVERIO R. DELICANO, JR.
SISON, SURIGAO DEL NORTE

EDELITO C. SANGCO
SOCORRO, SURIGAO DEL NORTE

HYDE S. VILLALBA
SURIGAO CITY, SURIGAO DEL NORTE

MYRA MESSAIAH C. ESTOBO
TAGANA-AN, SURIGAO DEL NORTE

SONNY R. ARANGOTE
TUBOD, SURIGAO DEL NORTE

SURIGAO DEL SUR

JOHNNY V. RAMOS
BAROBO, SURIGAO DEL SUR

GERALYN B. GUIBAO
BAYABAS, SURIGAO DEL SUR

ALICE D. MILAN
BISLIG CITY, SURIGAO DEL SUR

GILBERT L. BAUTISTA
CAGWAIT, SURIGAO DEL SUR

CEASAR Q. BLANCO
CANTILAN, SURIGAO DEL SUR

LAURY P. LAURON
CARMEN, SURIGAO DEL SUR

JAPHET C. SUGIAN
CARRASCAL, SURIGAO DEL SUR

GIL Q. ESCALANTE
CORTES, SURIGAO DEL SUR

SEVERINA C. PORE
HINATUAN, SURIGAO DEL SUR

MARIN E. CAMACHO
LANUZA, SURIGAO DEL SUR



EDWIN O. IGSOC, DVM
LIANGA, SURIGAO DEL SUR

RICKY B. TUBO
LINGIG, SURUGAO DEL SUR

THERESA M. ILOGON
MADRID, SURIGAO DEL SUR

BERNARDINO T. PONTILLO
MARIHATAG, SURIGAO DEL SUR

GENALYN L. CAMPOS
SAN AGUSTIN, SURIGAO DEL SUR

ULYSSES B. RAVELO
SAN MIGUEL, SURIGAO DEL SUR

WARLITO D. UNTUA
TAGBINA, SURIGAO DEL SUR

LEOCITO M. BADIANG
TAGO, SURIGAO DEL SUR

VON C. FALCON
TANDAG CITY, SURIGAO DEL SUR

DINAGAT ISLANDS

MANSUETA E. PADRILANAN
BASILISA, DINAGAT ISLANDS

FE LUCENA B. LONGOS
CAGDIANAO, DINAGAT ISLANDS

DIONISIO F. MALAQUE
DINAGAT, DINAGAT ISLANDS

LOPE C. LOVERIO, SR.
LIBJO, DINAGAT ISLANDS

THELMA P. BERADOR
LORETO, DINAGAT ISLANDS

JO-ANN M. GONZALES
SAN JOSE, DINAGAT ISLANDS

JOVELYN G. LUMPAY
TUBAJON, DINAGAT ISLANDS

CITY VETERINARIAN

ALAN F. QUINES, DVM
SURIGAO CITY, SURIGAO DEL NORTE

KAYE V. ANDALAN, DVM
CABADBARAN CITY, AGUSAN DEL NORTE

ZENY E. GAMBE, DVM
TANDAG CITY, SURIGAO DEL SUR

ROCHE REY BARRIOS, DVM
BISLIG CITY, SURIGAO DEL SUR

RAMJUN PORRE, DVM
BAYUGAN CITY, AGUSAN DEL SUR

REGIONAL AGRICULTURAL AND FISHERY COUNCIL

OFFICERS

CHRISTOPHER H. LINDO
CHAIRPERSON

ENGR. ANTONIO F. CABRERA
VICE CHAIRPERSON

RAQUEL F. DEGAMON
TREASURER

MEMBERS

ROGELIO S. GILDO
PAFC AGUSAN DEL SUR

SIMPLICIO L. MOLDEZ
PAFC AGUSAN DEL NORTE

ROBERTO P. ELUDO
PAFC DINAGAT ISLANDS

JUAN C. ARREZA
PAFC SURIGAO DEL SUR

RAQUEL F. DEGAMON
PAFC SURIGAO DEL NORTE

ENGR. ANTONIO F. CABRERA
HUCAFC BUTUAN CITY

SECTORAL COMMITTEE CHAIRPERSONS

ENGR. ANTONIO F. CABRERA
RICE AND CORN (WHITE)

CHRISTOPHER H. LINDO
HIGH VALUE CROPS

DR. PRIMO E. GELACIO
LIVESTOCK, POULTRY AND CORN (YELLOW)

RENITO M. MENDAÑA
FISHERIES AND AQUACULTURE

EDWIN C. ALWAG
AGRICULTURAL AND FISHERY MECHANIZATION

JUNITO SANTING JR.
COMMITTEE ON YOUTH

Larga Caraga,



Larga!





Regional Field Office XIII
Capitol Site, Butuan City
(085) 305-0092
caraga@mail.da.gov.ph
www.facebook.com/darfo13