

2020 Annual Report

Department of Agriculture Regional Field Office 1



THRIVING & SURVIVING



Department of Agriculture Regional Field Office 1

2020

Annual Report

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FOREWORD

CY 2020 perhaps is the most challenging year for the entire nation due to COVID-19 pandemic. Not a single industry or sector of the government was spared by the effect of this worldwide contagion that claimed more than a million lives, and almost crippled global economy.

In the Philippines, the government struggled to keep afloat and doubled its effort to protect its people and the economy as it adopted several strategies to be responsive and resilient in the new normal situation.

One of the most vulnerable sectors during these times is the agriculture sector as food accessibility and availability were among the challenges that we have to overcome due to the imposition of enhanced community quarantine. For agriculture, the main concern is to ensure food availability and accessibility because the threat of hunger is as much of a concern for the people as the threat of the COVID-19 virus.

The pandemic has pushed us to work double time and refocus our priorities to cope with the demand of the times.

Gratefully, through the leadership of our Honorable Secretary William D. Dar, several programs and projects like the Plant Plant Plant Program or "Ahon Lahat Pagkaing Sapat (ALPAS) Laban sa COVID-19" brought much needed interventions for the farmers and fisherfolk in the entire country. The adversity also gave birth to worthwhile projects like the KADIWA ni Ani at Kita, Social Amelioration for Farmers and Fisherfolk, Expanded SURE Aid and recovery project, Revitalized Urban Agriculture, Integrated Livestock and Corn Resiliency Project, Strategic Communications Project, these among others.

Despite the pandemic, we remain focused in our mission to achieve food security and resiliency and help our farmers and fisherfolk be empowered and prosperous.

Truly, this very challenging CY 2020 did not hinder us to still post a positive growth for the sector as we also remain food sufficient in all of our priority commodities. This crisis enabled us to realize that for us to rise stronger, we must continue to pursue the development of an agriculture-driven economy, and based on our accomplishments, we are heading towards the right direction.

It is barely a year since I assumed my post as head of DA-RFO I, and as I look on the things that we have accomplished for the agri-sector in 2020, I am humbled and doubly grateful for the committed partnership and shared efforts of our partners, especially our Local Government Units counterpart who gave us the much needed support and rallied with us to face head on the challenges of this pandemic.

To all our indispensable partners in agricultural development, to the entire DA RFO I workforce who remained steadfast and committed to serve, "the reward for a job well done is the opportunity to do more", hence, let us carry on!

To God be the Glory and Honor!



NESTOR D. DOMENDEN
OIC, Regional Executive Director



EXECUTIVE SUMMARY

While the agri-fishery sector has geared-up in transforming into a dynamic and modernized sector in 2020, the Ilocos Region faced challenges in sustaining effective agri-food system due to COVID-19 pandemic and occurrence of African Swine Fever (ASF). However, the region was able to cope-up and continuously mitigate the effects of the pandemic on food production, market access, and farm productivity and resiliency, as well as in the regional economy.

For 2020, the Ilocos Region's agriculture economy, together with forestry and fishing, posted 0.9% increase from PhP111.8 Billion in 2019 to PhP112.8 Billion in 2020 at constant prices.

In terms of food sufficiency level, the region is still more than sufficient in all basic commodities except for rootcrops.

The region is still a consistent major producer of the priority commodities as follows:

Commodity	Production (MT)	Share %	National Production (MT)	Rank
Rice	1,902,662	9.86	19,294,856	4th
Corn	563,388	6.94	8,118,546	5th
Mango	178,244	24.11	739,250	1st
Garlic	4,626	68.36	6,767	1st
Onion	40,544	17.66	229,539	2nd
Peanut	12,008	40.86	29,387	1st
Mungbean	13,024	35.16	37,036	1st
Tomato	73,435	33.08	222,002	1st
Eggplant	95,444	39.32	242,730	1st
Cattle	25,137	10.97	229,127	3rd
Goat	9,141	12.75	71,718	2nd

A total of 51,440 individuals and 950 groups were benefited from the various interventions of the DA.

These outcomes were attained through relentlessly implementing the regular interventions of the Banner and Regular Programs which anchored on the eight (8) paradigms of the Department of Agriculture to attain food security with empowered and prosperous farmers and fisherfolk, and supported the implementation of the "Plant, Plant, Plant Program" or "Ahon Lahat, Pagkaing Sapat (ALPAS) Laban sa COVID-19" program. These strategies and interventions enabled increase in agri-fishery output and ensure food accessibility and mobility, food productivity and availability, and price stability in the region.



Food Accessibility and Mobility

To ensure the continuous and smooth transport of food, cargoes, and agri-fishery inputs essential to food production and processing, a total of 2,641 food passes was issued to suppliers and truckers of food, rice, vegetables, fruits, meat and processed products, as well as farm, fishery and livestock inputs, raw materials and equipment. Likewise, to enable free movement of the supply chain actors for continuous operation in the agri-fishery sector, 5,474 IATF IDs were issued to food supply chain actors such as farmers, fishers, workers in food processing and manufacturing firms, and logistics providers.

Regular monitoring of outflow and inflow of agricultural commodities/supplies is also being conducted at the regional drop-off point in Pangasinan Agri-Pinoy Trading Center in Urdaneta City, Pangasinan to track and/or assess the quantity of volume of agricultural commodities that goes out and enter the region. Monitored total outflow of assorted vegetables in the region reached 13, 632,930 kg with destinations to NCR, Central Luzon, CALABARZ, MIMAROPA and CAR. On the other hand, the total inflows of assorted vegetables recorded 6,392, 109 kg from San Jose Nueva Ecija, Aritao, Nueva Viscaya, Tarlac, Isabela and Cabanatuan City.

The region also supported the operationalization of the KADIWA ni Ani at Kita Program to provide affordable and accessible food commodities in high consumer demand areas, particularly among the poor and low-income families, by harnessing the participation of the private sector, farmer's and fisherfolk organizations in the food supply distribution system.

A total of PhP12.29 Million sales was generated from the KADIWA ni Ani at Kita markets benefiting suppliers of about 175 individuals and 69 groups, 29,647 consumers and buyers with the following commodities sold: 20,827 kg of rice, 19,146 kg of fish and fish products, 15,315 kg of meat, and 51,273 kg of assorted fruits and vegetables. In addition, 7 market linkages were facilitated benefiting 14 group beneficiaries with a total sales generated of PhP 4,867,754.00.

Food Price Stability

To strictly monitor prices and endorse Selling Retail Price (SRP) and price freeze for basic necessities and prime commodities, the Ilocos Region Bantay Presyo Task Force was activated and strengthened. A joint price monitoring activity was facilitated in partnership with the Department of Trade and Industry (DTI), and the Municipal Agriculture Office and Local Price Coordinating Council (LPPC) in selected municipalities in the region.







Food Productivity and Availability

In support to Urban Agriculture Project, a total of 1,414 kg of seeds and 444,580 seedlings of assorted vegetables was distributed to 3,570 individuals, 292 groups and 125 LGUs.

For palay seeds distribution under the Rice Banner Program covering regular and Rice Resilient Project, the region distributed 1.85 Million kg of hybrid and inbred seeds and 3,697,800 kg of Urea fertilizer.

Other inputs distributed were 26,127 kg of corn seeds, 57,474 cassava planting materials, 66,000 kg of flower inducers, 137,000 doses of drugs and biologics, 11,480 semen straws, 553 heads of livestock stock, and 110 kg seeds of forages.

In support to Soil Amelioration Program, 97,720 claims amounting to PhP488.6 Million under the Rice Farmers Financial Subsidy (RFFA) and 130,241 claims amounting to PhP783.74 were distributed to farmers. Moreover, PhP41.95 Million were released to 1,678 borrowers under the Expanded Survival and Recovery Assistance Program for Rice Farmers (SURE Aid) Program.

The region facilitated refocused activities towards food security through the Innovative Family Enterprise Development (IFED) Project. A total of PhP106.438 Million was re-aligned for IFED projects to transform subsistence farmers and livestock raisers into agri-entrepreneurs with the following accomplishments: a) distribution of 5,300 chicken, 582 goat, 741 cattle and 5,000 ducks, and establishment of 5.43 vegetable and 17.8 corn production areas.

To support ASF affected farmers, the region provided a total of PhP67.59 Million indemnification cash assistance to 1,870 livestock raisers. In addition, 765 heads of cattle and 635 freerange chicken including feeds and drugs/biologics were provided to ASF affected farmers with total cost of PhP30.91 Million.

Other interventions done to increase productivity were: a) conduct of 23 research for development activities, b) conduct of 21 trainings and training related events, c) establishment of 12 various technology demonstrations and distribution of 15,500 IEC materials of production technologies.

Post Harvest, Irrigation and Infrastructure Development

The Banner Programs distributed 313 units of farm production and 155 units of postharvest machineries and equipment, and established 80 production facilities established. Likewise, 277 units of pump and engine sets were provided to farmers.

The DA RFO I through the Department of Public Works and Highways constructed 131 farm-to-market roads (2019-2020 funded FMRs) with total length of 88.3 kilometers amounting to PhP891 Million. In addition, construction and rehabilitation of 28 units of 2019-2020 funded Small Scale Irrigation Projects (SSIPs) were completed in CY 2020 with total 2,454 service area generated/restored.



Farm and Fisheries Consolidation and Clustering

DA-RFO I started the planning and pre-implementation activities of five (5) cluster areas in Umingan and Bolinao, Pangasinan, Agoo, La Union, Sto. Domingo, Ilocos Sur and Adams, Ilocos Norte for the implementation of the F2C2 program in the region.

Province-led Agri-Fishery Extension System (PAFES)

The region supported the implementation of the Ilocos Norte Agriculture and Fisheries Extension System (INAFES), one of the pilot areas of PAFES in the country. This is an innovative model of strengthening research-extension-farmers/fisherfolk linkages using the Provincial Commodity Investment Plan (PCIP).

Digital Agriculture

Out of the targeted 398,538 farmers, 133,127 profiles were encoded under the Registry System for Basic Sector in Agriculture (RSBSA) in Region I. The Rice Program continuously utilized Rice Crop Manager (RCM) recommendations for crop and nutrient management guidelines to farmers. Also, geotagging system was utilized in monitoring of projects in the region.

One of the innovations of the region in 2020 is the development of its On-line Data Analytics Dashboard on financial accomplishment developed by the Information Communication Technology (ICT) unit under the Planning Monitoring and Evaluation Division (PMED). It aims to simplify the monitoring in real-time the obligation and disbursement status of funds and track the progress of financial accomplishments of the region.

Other Accomplishments

For regulatory services, a total of 1,265 regulatory documents were issued and endorsed to BPI/BAI for registration, licensing and accreditation/ certification of livestock, poultry transport carriers and handlers, veterinary drugs and products, feed establishments and veterinary-related facilities.

The region facilitated and released results of 24,601 laboratory tests for soils, feeds and animal diagnostic test. Likewise, various biological control agents were produced and distributed, namely: 26,643 bags of *Metharhiziumanisoplaie* (@ 400 grams/bag), 90,200 cards of *Trichogrammaevanescens* and 2918 colonies of *Euborelliaannulata* (@ 3,000 pieces per colony).





A photograph of a person wearing a white lab coat, seen from the side, reaching up to examine a plant in a greenhouse. The plant has large green leaves and blue support strings. The background is a solid green color.

PART 1

Agriculture Sector Outcomes and Outputs

Gross Regional Domestic Product



Ilocos Region's Agriculture, Forestry, and Fishing (AFF) economy exhibited a growth of 0.9 percent from PhP111.8 Billion in 2019 to PhP 112.8 Billion 2020 at constant prices. The growth is mainly attributed to the increase in the value of production in the crops and fisheries subsectors in the region.

The Department of Agriculture implemented various interventions to mitigate the effect of COVID 19 pandemic in agri-fishery production and productivity.

However, the over-all economy of Ilocos Region declined by 7.7 percent in 2020 from PhP 630.4 billion in 2019 to PhP581.9 billion of the previous year. Among the industries, only the AFF registered growth in

2020. It contributed 19% of the total output in the region.

Services, which contributed 52% the region's economy, recorded a decline of 9.6% from PhP 330.9 Billion in 2019 to PhP299.1 Billion in 2020. Transportation and storage, and accommodation and food services activities under the Services registered the highest decrease in output value at 46.6% and 32.4%, respectively. The negative growth was due to the COVID 19 pandemic restrictions imposed community quarantine.

Industry also declined in product value by 9.4% from PhP187.6 Billion of previous year to PhP169.9 Billion in 2020.

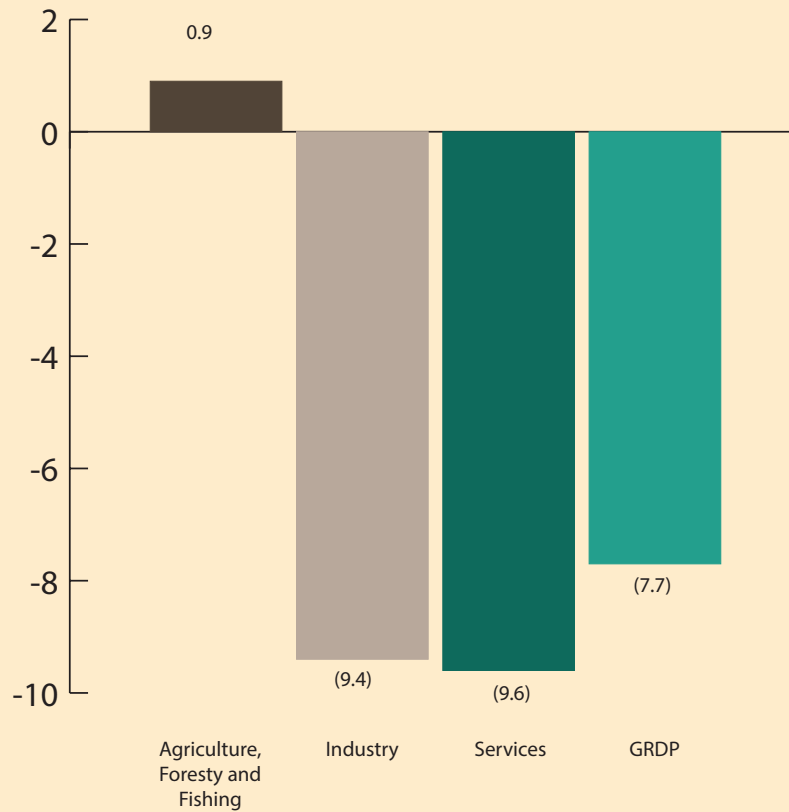


Figure 1. Ilocos Region growth rates by industry: 2019 - 2020 at constant 2018 prices, in percent

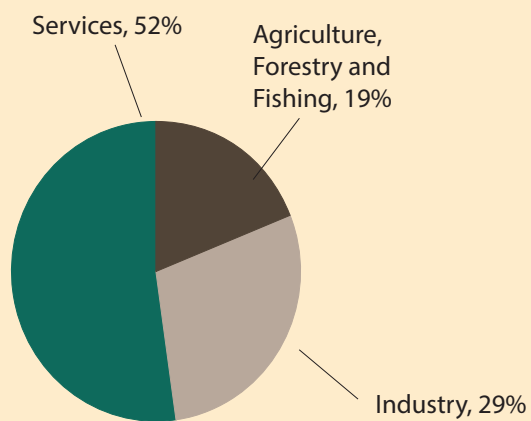


Figure 2. Ilocos Region share by industry 2020 at constant prices in percent

Table 1. Ilocos Region GRDP growth rate in billions by industry, 2018-2020

Industry	GRDP		
	2018	2019	2020
Agriculture, Forestry & Fishing	109,726,744	111,847,324	112,837,118
Industry	172,137,616	187,636,364	169,907,359
Services	305,732,891	330,878,979	299,149,991
Total	587,597,251	630,362,667	581,894,468

Food Sufficiency Level



For 2020, Ilocos Region is still more than sufficient in all basic food commodities.

Rice production this year at 1.902 million metric tons is more than enough to cater the clean rice requirement of more than 5.3 million populace in the region. It recorded 181% sufficiency level, increased by 1.69 points from 178% in 2019.

Corn production, although it declined in sufficiency level by 18.1 points from 227% in 2019 to 186% in 2020, has still a surplus of 260,598 metric tons to cater the human and livestock requirement.

Sufficiency level of fruits is also more than sufficient. It went up by 1.83 points from 436%

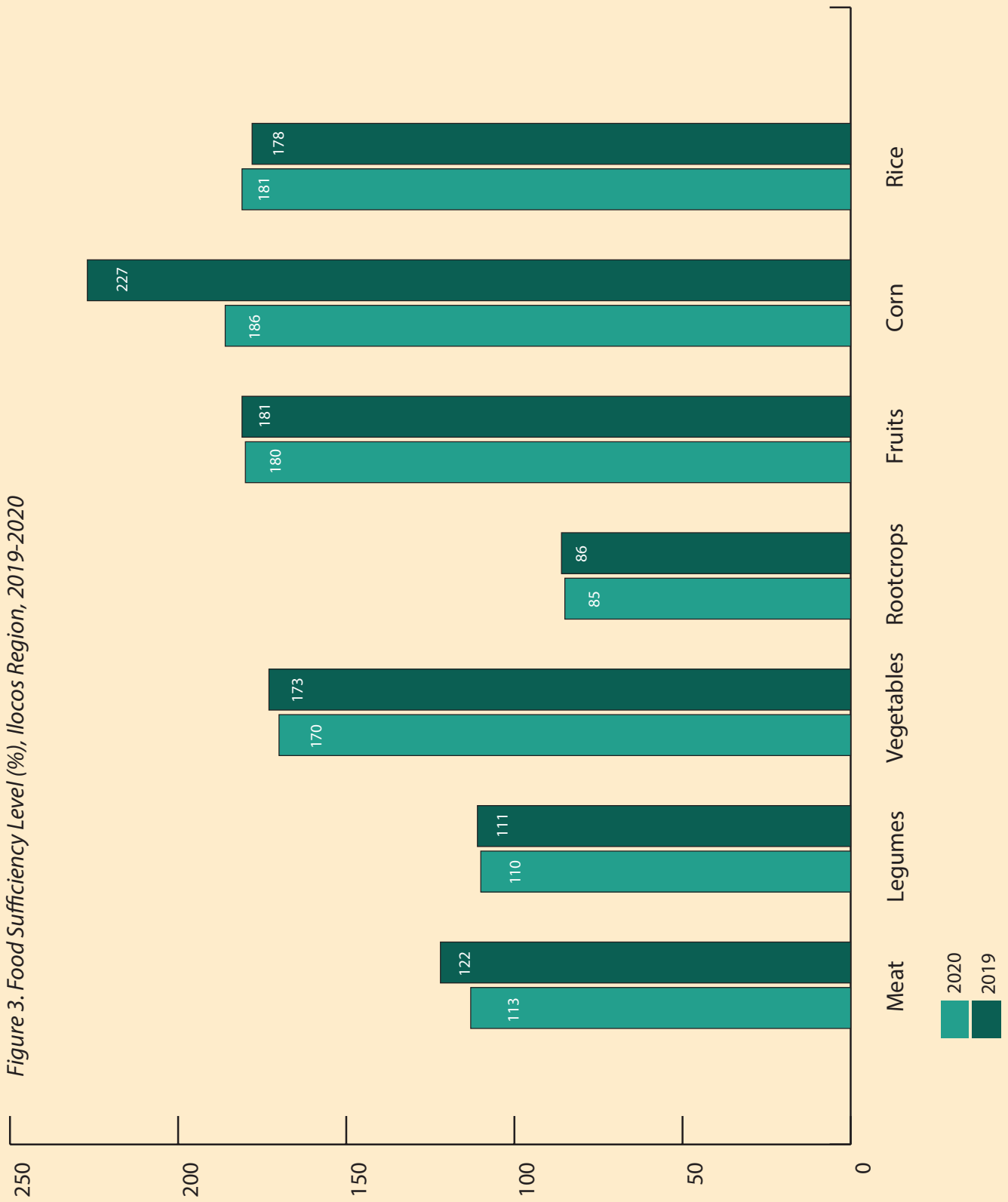
in 2019 to 44% in 2020. Mango, as the major fruit commodity in the region, contributed the biggest chunk of production supply in fruit.

Supply of vegetables in the region is also sufficient, attaining 201% this year with 3.98 points from 201% in 2019.

Production of legumes, specifically, peanut and mungbean, has surplus in production achieving 226% sufficiency level in 2020. Rootcrops, which is still deficit in production, recorded 90% sufficiency level this year.

Meat supply is also sufficient, however, pork production this year is deficit due to occurrence of African Swine Fever (ASF) in the region.

Figure 3. Food Sufficiency Level (%), Ilocos Region, 2019-2020



Commodity Performance - Rice



Ilocos Region's palay production increased by 2.78% from 1,851,265 metric tons or an incremental production of 51,397 metric tons in 2019 to 1,902,662 metric tons in 2020 as shown in Table 2.

The increment in production was attributed to the 2.63% increase in yield per hectare from 4.55 metric tons in 2019 to 4.67 metric tons in 2020. This year's yield surpassed the highest yield ever recorded in the region at 4.55 metric tons in 2017 and 2019 as shown in Figure 4.

The increase in yield was due to the constructed/rehabilitated Small-Scale

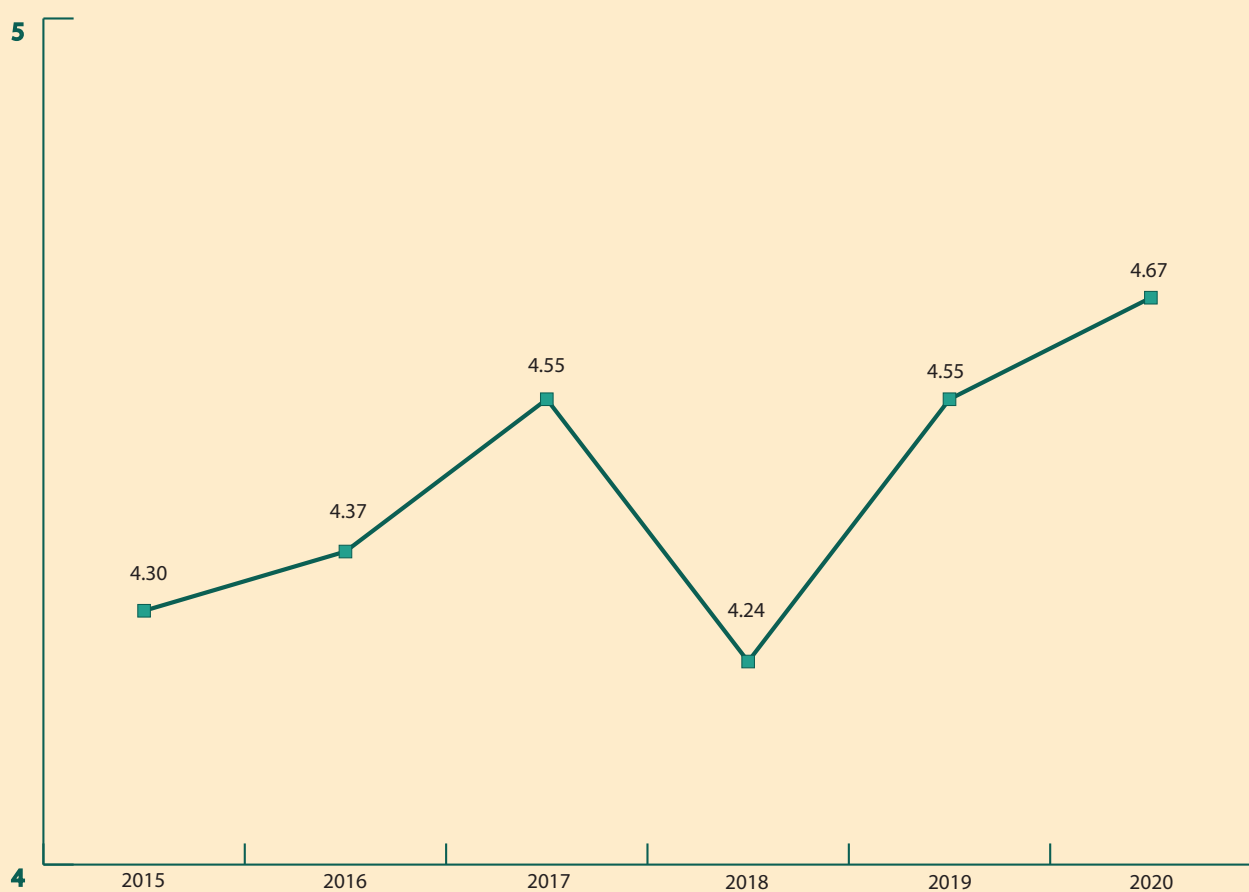
Irrigation Projects (SSIP) and utilization of high quality and hybrid and inbred palay seeds, coupled with favorable weather condition. The distributed seeds were funded under the regular fund of the Program and the Rice Resiliency Project (RRP) of the Plant, Plant, Plant Program or ALPAS Laban sa Covid 19—Stimulus Package Bayanihan 1.

The region sustained its rank as the 4th rice producing region in the country contributing 12% to the national rice production of more than 14.57 million metric tons as shown in Figure 5.

Table 2. Rice production (mt), area harvested (ha) and yield (mt/ha), Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Ilocos Norte	329,693	341,995	3.73	66,003	66,213	0.32	5.00	5.17	3.40
Ilocos Sur	248,126	249,171	0.42	50,155	51,082	1.85	4.95	4.88	(1.40)
La Union	169,054	176,117	4.18	38,363	38,869	1.32	4.41	4.53	2.82
Pangasinan	1,104,392	1,135,379	2.81	252,061	251,537	(0.43)	4.37	4.51	3.25
Region	1,851,265	1,902,662	2.78	407,139	407,701	0.14	4.55	4.67	2.63

Figure 4. Rice yield (mt/ha) in Region 1, 2015 - 2020

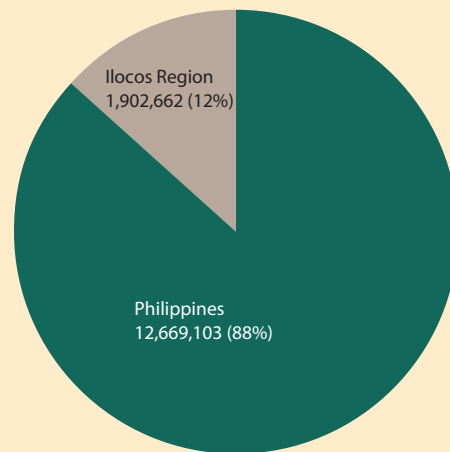


By provincial distribution, Pangasinan is still the major producer of rice in the region with a production of 1,135,379 metric tons contributing 60% of the regional aggregates. Its production and productivity level increased by 2.78% and 2.63%, respectively.

Ilocos Norte, the second top rice producing province, posted 3.75% growth in production from 2019 level. It recorded the highest increase in yield per hectare among the provinces at 3.4% from 5.00 metric tons in 2019 to 5.17 metric tons in 2020.

On the other hand, La Union, which has the lowest contribution in the regional output, exhibited the highest increase in production at 4.18% from 2019 level. The increment was attributed to the positive growth in yield per hectare and area at 2.82% and 1.32%, respectively.

Figure 5. Ilocos Region's share in national rice production, 2020



Ilocos Sur contributing 3.01% share to the regional output, showed slight increase in production at 0.42% or 1,045 metric tons from 248,126 metric tons in 2019.



Commodity Performance - Corn



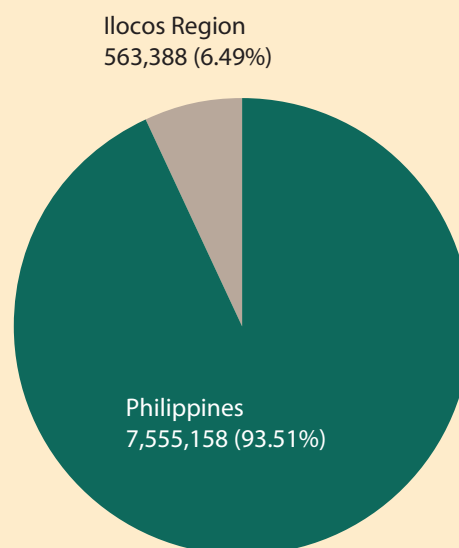
Region I continued to be one of the major contributors of corn supply in the country.

As shown in Figure 6, the region shared 6.49% or 563,388 metric tons to the national aggregate production of 8.118 Million metric tons, maintaining its rank as the 5th corn producing region in the country.

Pangasinan dominated the corn production in Ilocos Region at 348,661 metric tons or 62% contribution. This is followed by Ilocos Sur at 19% share, and Ilocos Norte and La Union at 12% and 7%, respectively.

This year, corn production in the region showed slight decrease 1.99% or 11,464 metric tons from 574,852 metric tons in 2019.

Figure 6. Ilocos Region's share in national corn production, 2020



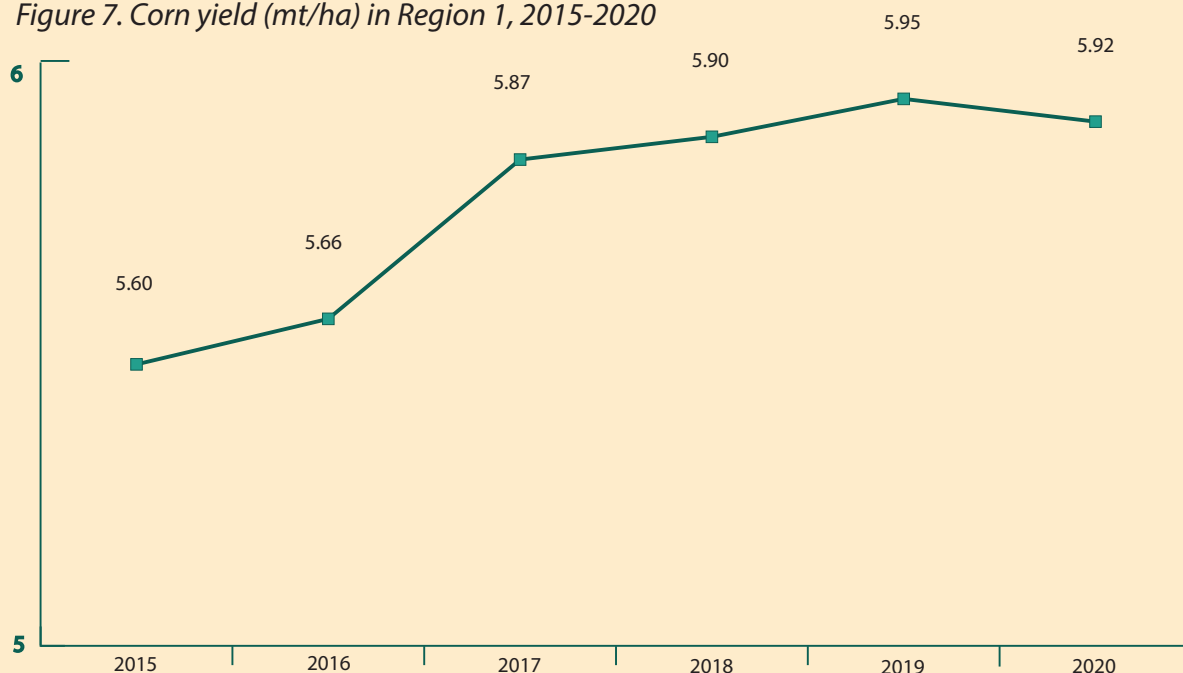
metric tons as shown in Table 3. The decrease in production was attributed to the reduction in area planted/harvested by 1,496 hectares or negative 1.55% due to shifting to other crops. Likewise, productivity level decreased by 0.45% or 0.03 metric tons per hectare from 2019 level at 5.95 metric tons. This was due to the occurrence of various pests and diseases in corn especially the Fall Army Worm (FAW).

Among the provinces, Ilocos Norte and La Union posted positive growths in production at 2.13% and 0.07%, respectively. In terms of area harvested, only La Union exhibited growth by 0.61%. On the other hand, only Ilocos Norte recorded a positive growth in yield per hectares at 2.67% from 5.47 metric tons in 2019 to 5.62 metric tons in 2020.

Table 3. Corn production (mt), area harvested (ha), and yield (mt/ha) in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Ilocos Norte	65,123	66,508	2.13	11,905	11,842	(0.53)	5.47	5.62	2.67
Ilocos Sur	112,674	108,606	(3.61)	19,470	18,953	(2.66)	5.79	5.73	(0.98)
La Union	39,585	39,613	0.07	7,220	7,264	0.61	5.48	5.45	(0.54)
Pangasinan	357,470	348,661	(2.46)	58,068	57,108	(1.65)	6.16	6.11	(0.82)
Region	574,852	563,388	(1.99)	96,663	95,167	(1.55)	5.95	5.92	(0.45)

Figure 7. Corn yield (mt/ha) in Region 1, 2015-2020



Commodity Performance - Cassava



The cassava industry becomes an emerging catalyst for agricultural development. Cassava is a traditional staple and corn substitute for hog feeds. It has a great potential in value processing for human consumption.

This year's cassava production grew by 1.13% from 18,757.04 metric tons to 18,968.65 metric tons in 2020, as shown in Table 4. For the past years from 2016, its production

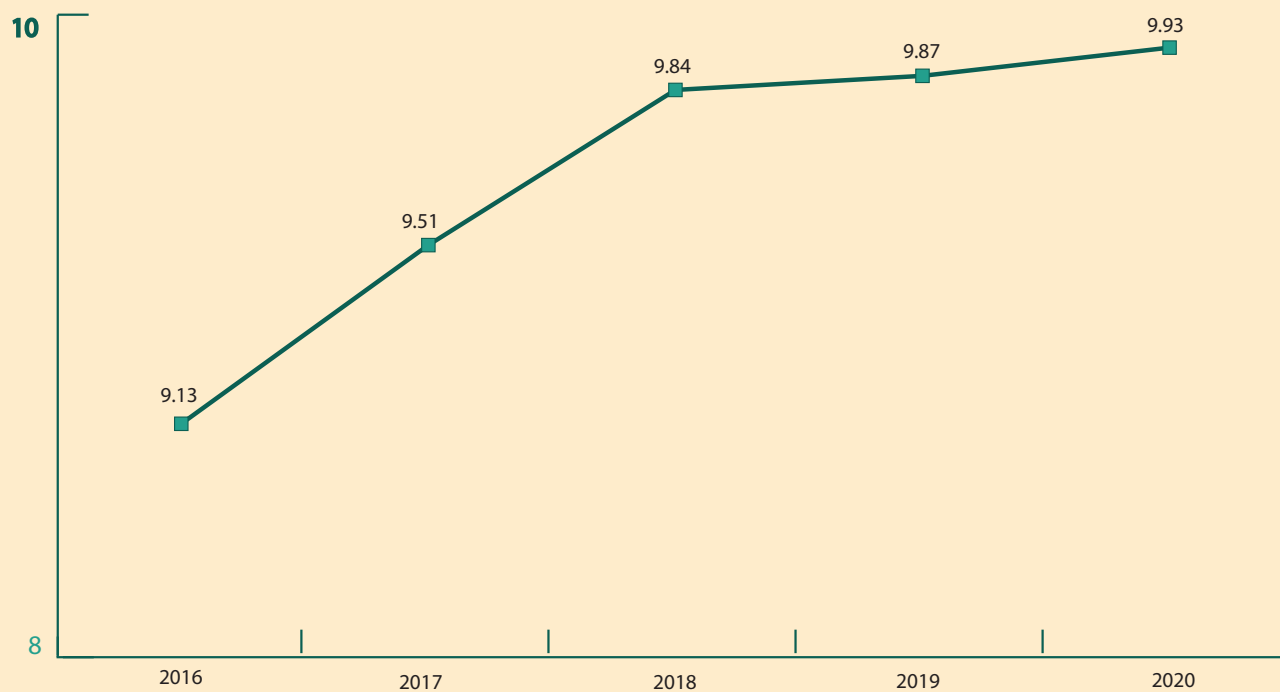
level continued to increase as a result of massive advocacy for cassava production in collaboration with the counterpart LGUs.

Yield level per hectare also showed an upward trend from 2016 at 9.13 metric tons to 9.93 metric tons in 2020. Among the provinces in the region, Ilocos Norte produced the highest production at 11,325.41 metric tons or 59.7% to the regional output.

Table 4. Cassava production (mt), area harvested (ha), and yield (mt/ha) in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Ilocos Norte	11,336.70	11,325.41	(0.10)	1,148.91	1,148.91	-	9.87	9.86	(0.10)
Ilocos Sur	2,818.68	2,869.93	1.82	225.71	226.18	0.21	12.49	12.69	1.61
La Union	1,404.72	1,458.21	3.81	117.80	117.80	-	11.92	12.38	3.81
Pangasinan	3,196.94	3,315.10	3.70	408.88	416.88	1.96	7.82	7.95	1.71
Region	18,757.04	18,968.65	1.13	1,901.30	1,909.77	0.45	9.87	9.93	0.68

Figure 8. Cassava yield (mt/ha) in Region 1, 2016-2020



Commodity Performance - Mango

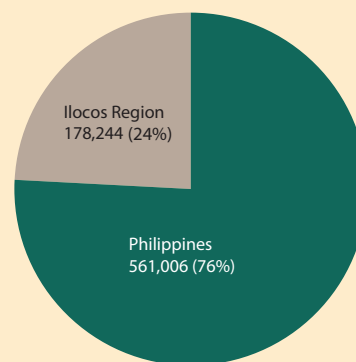


For 2020, the region is still the major producer of mango in the country contributing 24% or 178,244 metric tons to the national aggregate of 739,250 metric tons as shown in Figure 9.

Mango production level showed slight decrease at 0.17% from 2019 output at 178,542 metric tons (Table 5). The decrease was attributed to the declined production in Ilocos Norte where it went down by 7.27% from 28,128 metric tons in 2019 to 26,083 metric tons in 2020. Ilocos Norte is the 2nd largest producing province in the region. The three (3) provinces registered positive growth in 2020.

Production for the past five years showed that declining trend from 259,533 metric tons in 2019 (Figure 7). Yield also displayed

Figure 9. Ilocos Region's share in the national mango production, 2020

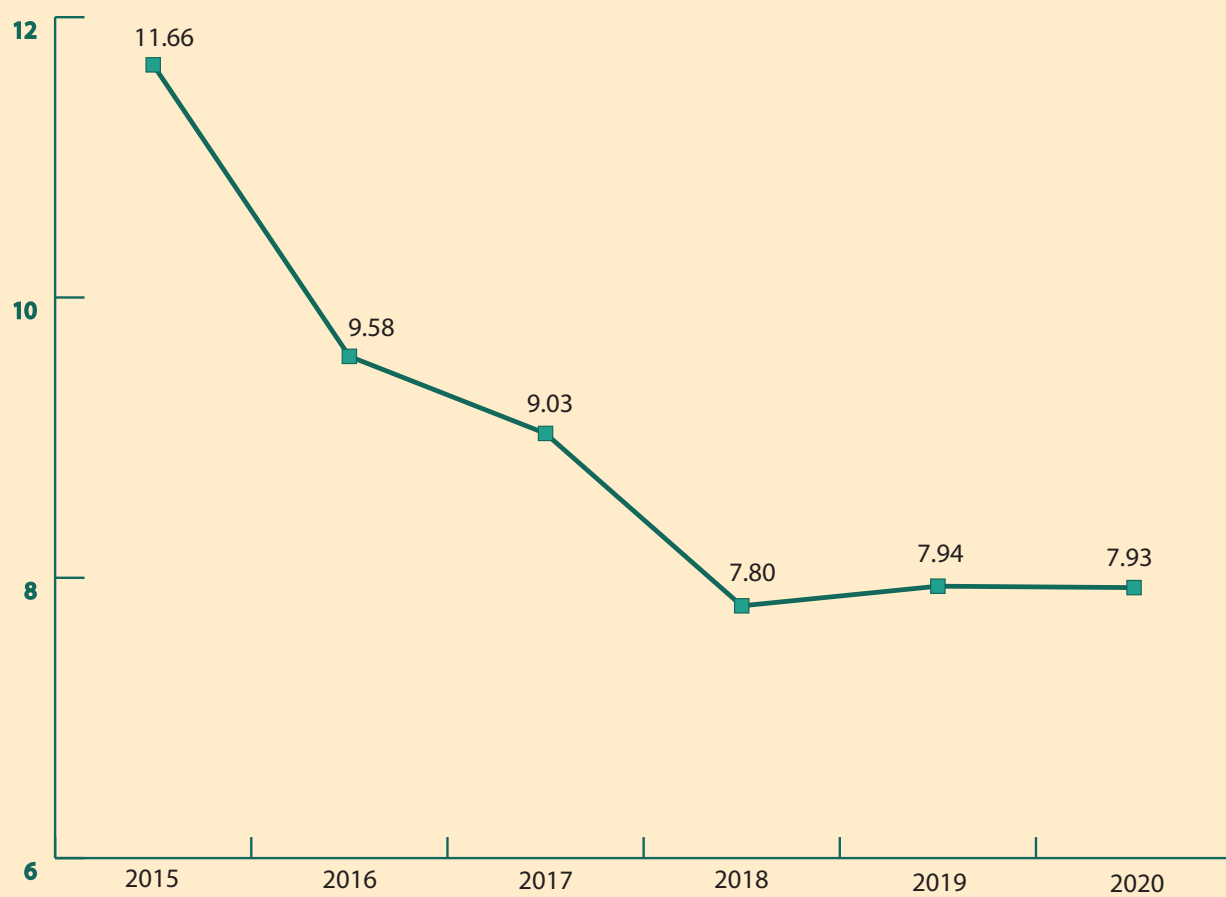


diminishing trend from 11.6 metric tons in 2016 to 7.93 metric tons in 2020. This was due to the occurrence of pest and diseases in mango, especially on Cecid Fly, and the damages brought by various typhoons during flowering/reproductive stages of the trees.

Table 5. Mango production (mt), area harvested (ha), and yield in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Ilocos Norte	28,128	26,083	(7.27)	4,774	4,765	(0.19)	5.89	5.47	(7.10)
Ilocos Sur	9,065	9,628	6.21	1,312	1,312	-	6.91	7.34	6.21
La Union	16,966	17,369	2.38	2,476	2,476	0.00	6.85	7.02	2.38
Pangasinan	124,383	125,164	0.63	13,917	13,917	-	8394	8.99	0.63
Region	178,542	178,244	(0.17)	22,478	22,469	(0.04)	7.94	7.93	(0.13)

Figure 10. Mango yield in Region, 2015-2020



Commodity Performance - Garlic and Onion



Ilocos Region is known as one of the major producing regions of garlic and onion in the country. The region contributed 75% and 17% share to the national production of garlic and onion, respectively, as shown in Figure 11.

For onion, its production level grew by 4.42% from 38,827.62 metric tons in 2019 to 40,543.80 metric tons in 2020 (Table 6). Area harvested and yield also increased by 3.35% and 1.03%, respectively.

Among the provinces, Ilocos Sur and Pangasinan registered positive production, area harvested and yield per hectare.

There were reported damages in onion plantings due to anthracnose and armyworm infestations but the DA RFO I provided pest control interventions such as copper-based fungicides, organic as well as biological control agents to affected areas.

Figure 11. Ilocos Region's share to the national garlic and onion production, 2020



Table 6. Onion production (mt), area harvested (ha) and yield (mt/ha) in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Ilocos Norte	18,598.09	18,354.12	(1.31)	2,138.52	2,119.46	(0.89)	8.70	8.66	(0.42)
Ilocos Sur	17,059.04	18,884.55	10.70	1,567.70	1,730.75	10.40	10.88	10.91	0.27
La Union	450.00	432.36	(3.92)	30.00	30.00	-	15.00	14.41	(3.92)
Pangasinan	2,720.49	2,872.77	5.60	559.83	559.83	-	4.86	5.13	5.60
Region	38,827.62	40,543.80	4.42	4,296.05	4,440.04	3.35	9.04	9.13	1.03

Table 7. Garlic production (mt), area harvested (ha) and yield (mt/ha) in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Ilocos Norte	4,522	4,465	(1.27)	1,845	1,823	(1.21)	2.45	2.45	(0.06)
Ilocos Sur	293	161	(45.1)	120	66	(45.00)	2.45	2.44	(0.20)
La Union	-	-	-	-	-	-	-	-	-
Pangasinan	7	-	(100)	4	4	-	1.79	-	(100.00)
Region	4,823	4,626	(4.08)	1,969	1,893	(3.88)	2.45	2.44	(0.21)

Figure 12. Onion yield (mt/ha) in Region 1, 2015-2020

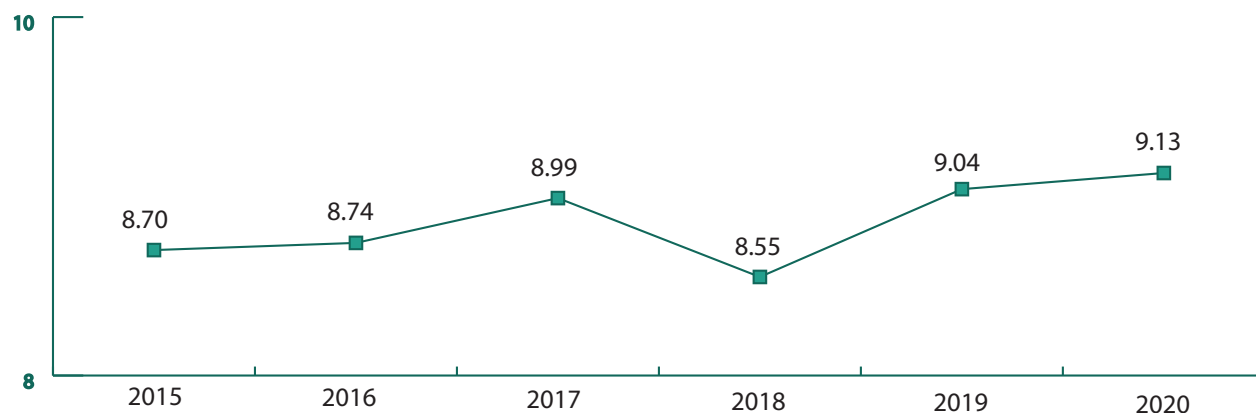
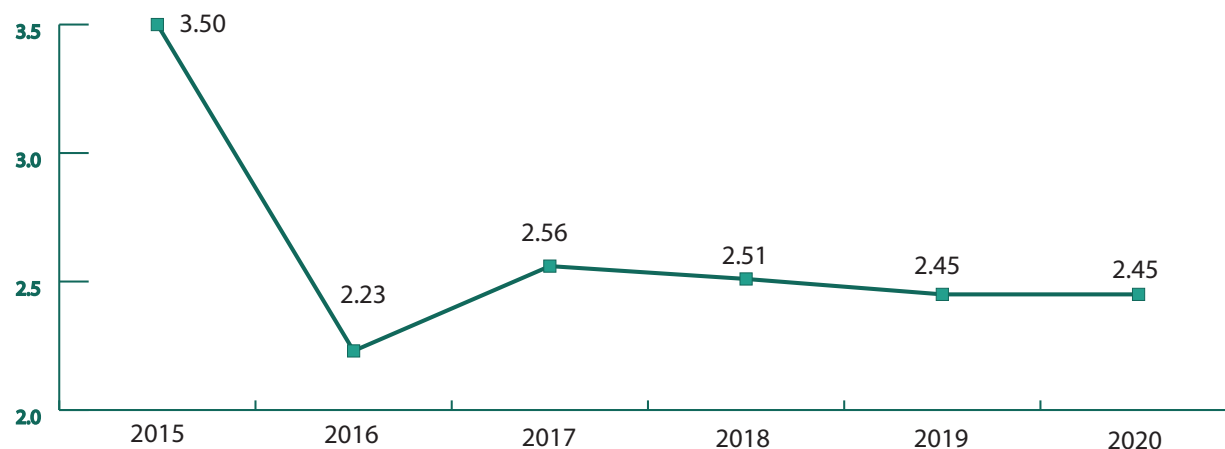


Figure 13. Garlic yield (mt/ha) in Region 1, 2015-2020



On the other hand, garlic production in the region showed a slight decline from 2019 level at 3.94% or a reduction of 190 metric tons (Table 7). This was attributed to decreased area harvested and yield per hectare at negative 3.88% and 0.06%, respectively.

Figure 12 shows that the onion yield level per hectare from the past 5 years increased from 8.70 metric tons in 2015 to 8.13 metric

tons in 2020. This year's level of yield is the highest recorded ever in onion production in the region. From downtrend of production in 2018, the region was able to recover its production in 2019 to 2020.

Meanwhile, garlic yield level remains the same with 2019 data at 2.45 metric tons per hectare (Figure 13).

Commodity Performance - Legumes

Figure 14. Ilocos Region's share to the national peanut and mungbean production, 2020

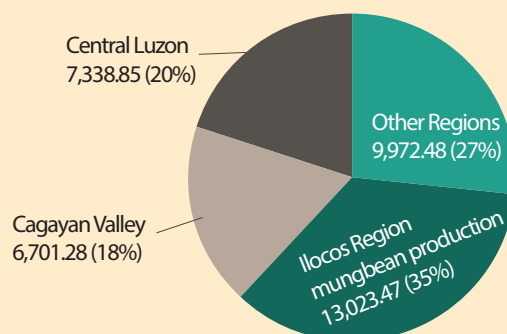
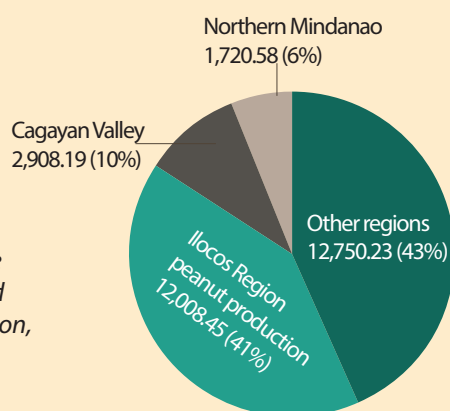


Figure 14 shows that Ilocos Region dominated the production of peanut and mungbean in the country.

Peanut in the region shared 41% or 12,008.45 metric tons of the national production of 29,387.45 metric tons. Other major peanut producing regions are Cagayan Valley and Northern Mindanao contributing 10% and 6%, respectively.

Bulk of the supply of mungbean in the country was contributed by the region with 35% share or 13,023.47 metric tons. Other top producing regions are Central Luzon at 20% and Cagayan Valley at 18% to the total aggregates.

For 2020, production of peanut increased by 0.79% or 93.94 metric tons from 11,914.51 metric tons in 2019. Area harvested and yield also increased by 0.61% and 0.87%, respectively (Table 8).

On the other hand, mungbean declined by

1.20% or 157.79% from 13,181 metric tons in 2019. This was contributed by the decreased level of area harvested and yield per hectare.

Bulk of peanut and mungbean production in the region was contributed by Pangasinan.

Figure 15 shows that there is a slight increasing trend of peanut and mungbean production and yield per hectare.

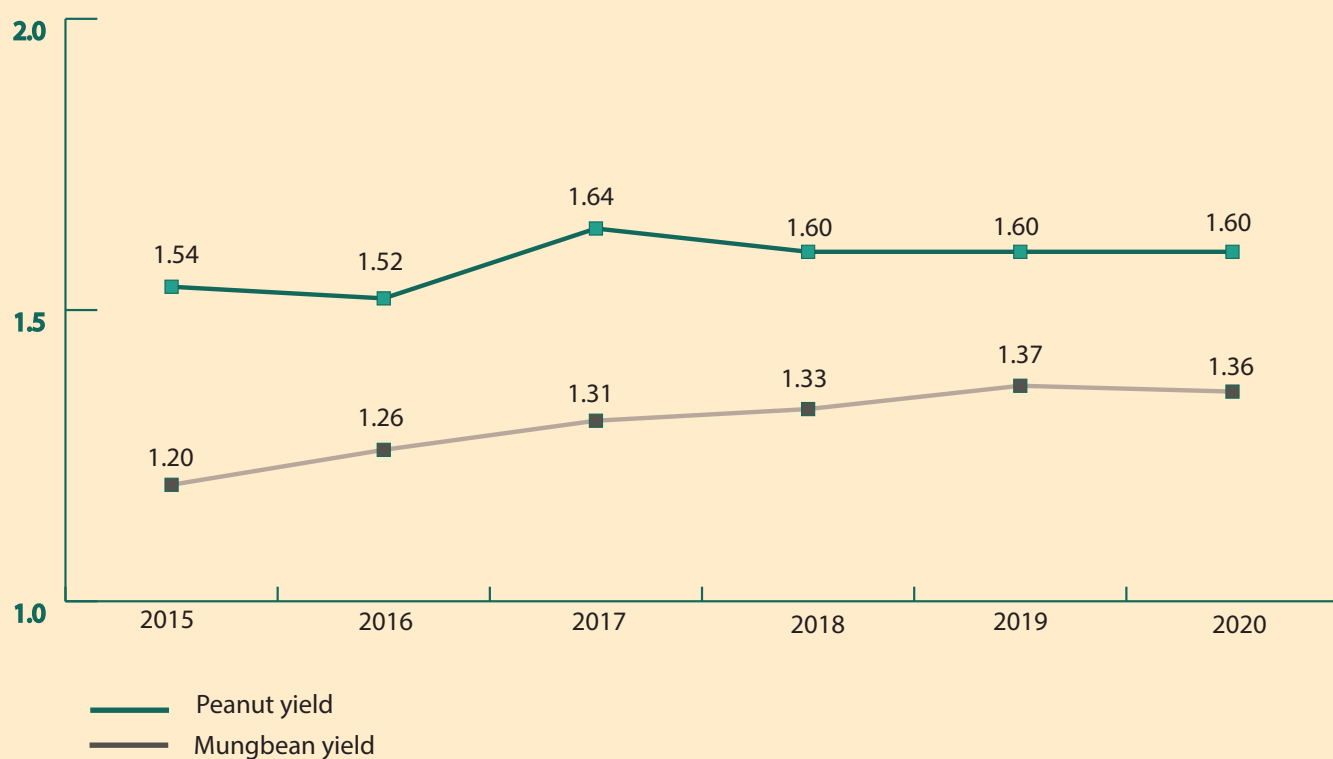
Peanut production exhibited growth by 3.8% from 11,563.63 metric tons in 2015 to 12,008.45 metric tons in 2020. The growth was attributed to the increase in yield per hectare at 3.9% from 1.54 metric tons in 2015 level. The yield level remained at 1.60 metric tons per hectare from 2018 to 2020.

Likewise, mungbean production increased by 9.7% or additional 1,148.20 metric tons from 11,875.01 metric tons in 2015 to 13,023.53 metric tons in 2020. The increase was attributed by the increased yield level by 13.3% from 2015 level.

Table 8. Peanut and mungbean production (mt), area harvested (ha), and yield in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
<i>Peanut</i>									
Ilocos Norte	1,513.85	1,576.61	4.15	1,134.56	1,150.99	1.45	1.33	1.37	2.66
Ilocos Sur	1,795.34	1,966.70	9.54	1,216.23	1,278.25	5.10	1.48	1.54	4.23
La Union	3,338.48	3,182.54	(4.67)	2,134.10	2,101.20	(1.54)	1.56	1.51	(3.18)
Pangasinan	5,266.84	5,282.60	0.30	2,954.16	2,954.16	--	1.78	1.79	0.30
Region	11,914.51	12,008.45	0.79	7,439.05	7,484.60	0.61	6.16	6.21	0.87
<i>Mungbean</i>									
Ilocos Norte	5,477.07	5,662.42	3.38	4,596.55	4,565.90	(0.67)	1.19	1.24	4.08
Ilocos Sur	929.73	941.28	1.24	706.58	726.64	2.84	1.32	1.30	(1.55)
La Union	246.08	251.08	2.03	227.05	230.60	1.56	1.08	1.09	0.46
Pangasinan	6,528.44	6,168.75	(5.51)	4,086.21	4,086.21	--	1.60	1.51	(5.51)
Region	13,181.32	13,023.53	(1.20)	9,616.93	9,609.35	(0.07)	5.19	5.13	(1.06)

Figure 15. Peanut and mungbean yield (mt/ha) in Region 1, 2015-



Commodity Performance - Pinakbet Vegetables



As shown in Figure 16, bulk of the pinakbet vegetable supplies in the country, specifically tomato and eggplant, are contributed by Ilocos Region.

The region is the major producer of tomato providing 33% or 73,435.34 of the total tomato output. Other top tomato producing regions are Northern Mindanao and Central Luzon contributing 21% and 14% share, respectively.

For eggplant, the region is number one producing region contributing 39% or 95,443.66 metric tons of the national aggregates at 242,730.40 metric tons. This is followed by Central Luzon at 12% share and CALABARZON at 11% share.

Meanwhile, the region is also one of the major top ampalaya producing regions in the country.

Tomato and ampalaya production output grew in 2020 with exhibiting 0.13% and 2.07% increase from 2019 level. On the other hand, production of eggplant declined by 3.78% from 99,192.88 metric tons in 2019 to 95,443.66 metric tons in 2020.

Figure 17 and 18 show the historical production and yield of the pinakbet commodities. Both the production and yield levels increased from 2015 to 2020 outputs.

Figure 16. Ilocos Region's share to the national tomato and eggplant production

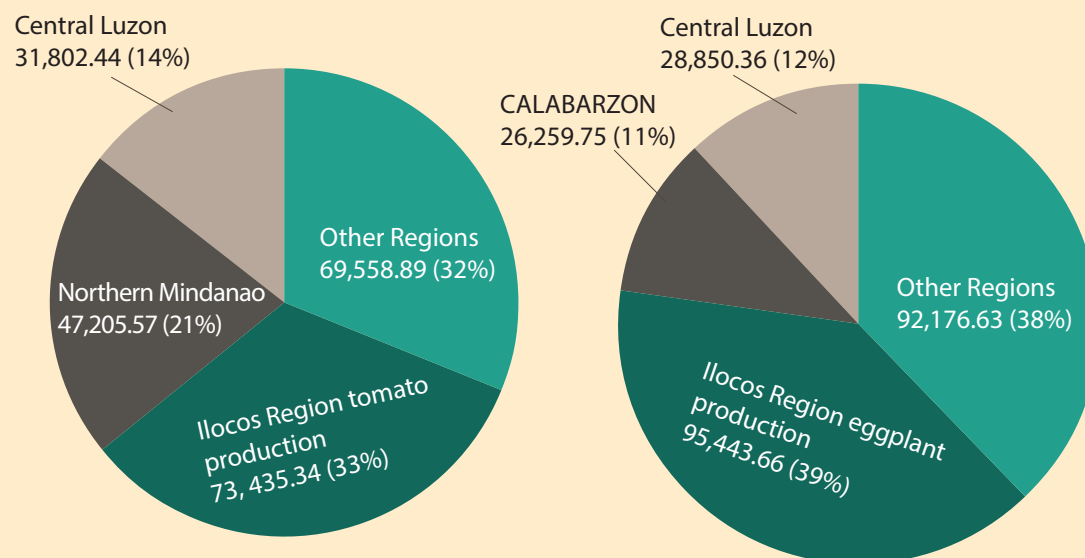


Table 9. Tomato, eggplant, and ampalaya production (mt), area harvested (ha), and yield (mt/ha) in Region 1, 2019-2020

Provinces	Production (MT)			Area (Ha)			Yield (MT/Ha)		
	2019	2020	%GR	2019	2020	%GR	2019	2020	%GR
Tomato									
Ilocos Norte	27,934.73	27,456.47	(1.71)	1,339.31	1,351.59	0.92	20.86	1.37	2.66
Ilocos Sur	24,161.66	24,841.67	2.81	974.24	978.00	0.39	24.80	1.54	4.23
La Union	2,382.11	2,372.29	(0.41)	173.35	171.95	(0.81)	13.74	1.51	(3.18)
Pangasinan	18,846.37	18,746.91	(0.53)	1,150.14	1,150.14	--	16.39	1.79	0.30
Region	73,324.87	73,417.34	0.13	3,637.04	3,651.68	0.40	20.16	20.11	(0.28)
Eggplant									
Ilocos Norte	7,913.05	8,008.01	1.20	670.65	669.23	(0.21)	11.80	11.97	1.41
Ilocos Sur	6,719.07	6,728.03	0.13	370.33	397.25	7.27	18.14	16.94	(6.65)
La Union	2,589.07	2,506.44	(3.19)	224.40	220.65	(1.67)	11.54	11.36	(1.55)
Pangasinan	81,971.69	78,201.18	(5.51)	4,023.88	3,782.00	(6.01)	1.60	1.51	1.50
Region	99,192.88	95,443.66	(4.60)	5,289.26	5,069.13	(4.16)	18.75	18.83	0.40
Ampalaya									
Ilocos Norte	3,375.73	3,517.22	4.19	400.87	403.78	0.73	8.42	8.71	3.44
Ilocos Sur	2,227.58	2,317.90	4.05	161.00	162.00	0.62	13.84	14.31	3.41
La Union	2,086.45	2,098.57	0.58	317.79	316.46	(0.42)	6.57	6.63	1.00
Pangasinan	2,617.58	2,587.48	(1.15)	406.64	406.64	--	6.44	6.36	(1.15)
Region	10,307.34	10,521.17	2.07	1,286.30	1,288.88	0.20	8.01	8.16	1.87

Figure 17. Tomato, eggplant, and ampalaya production (mt) in Region 1, 2015-2020

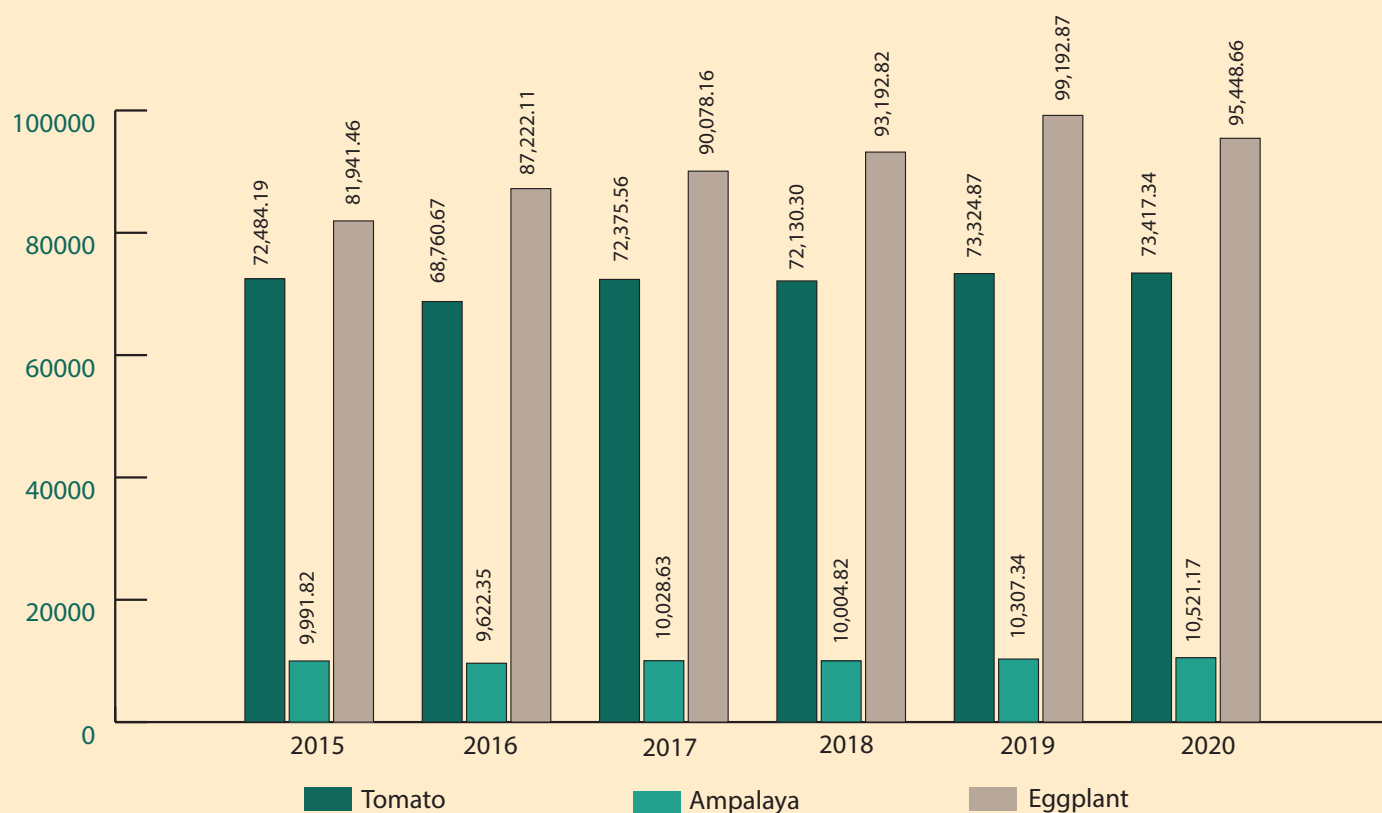
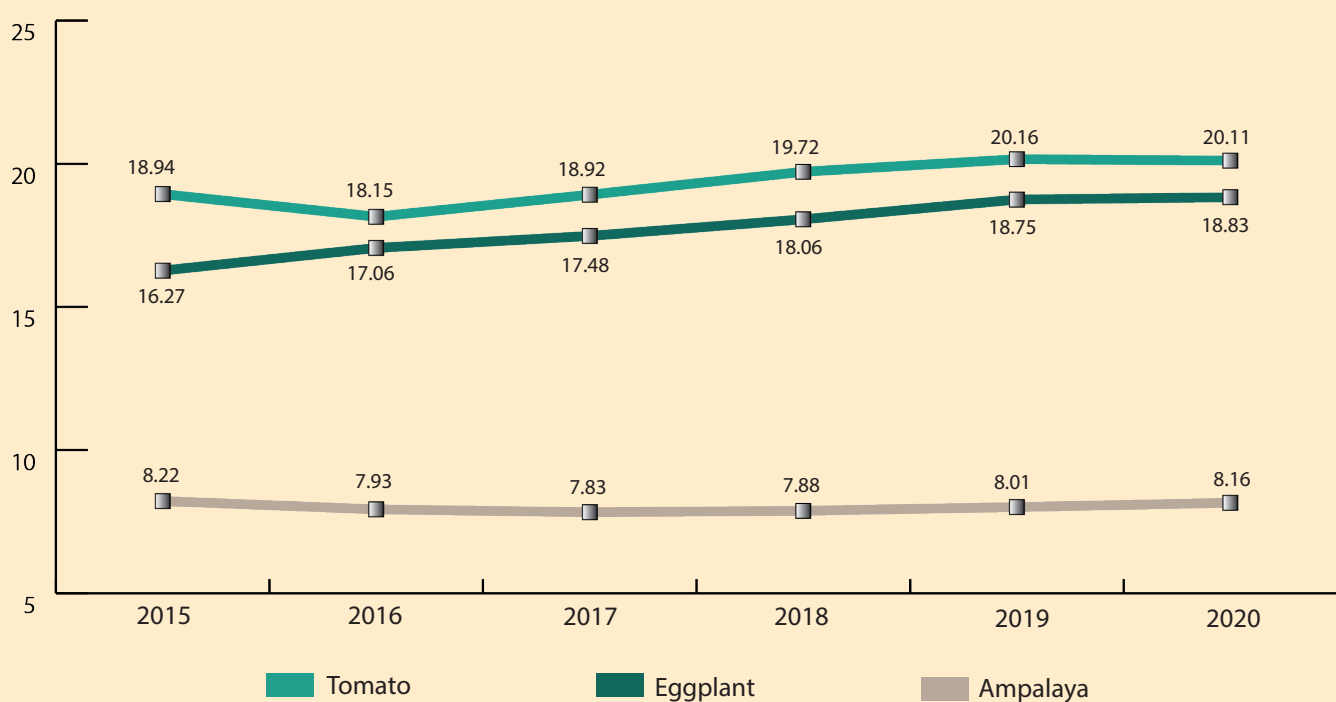


Figure 18. Tomato, eggplant, and ampalaya yield (mt/ha) in Ilocos Region, 2015-2020



Commodity Performance - Livestock and Poultry



The over-all production of livestock and poultry commodities went down by 2.75% this year as shown in Table 10.

The livestock, which includes carabao, cattle, swine and goat, decreased by 6.04% in production from 285,188.94 metric tons in 2019 to 267,960.24 metric tons in 2020. All commodities registered negative growth in 2020 due to occurrence of pest, especially African Swine Fever (ASF) in swine, and lesser number of stocks disposition as a result of COVID 19 quarantine. Goat showed the highest reduction in production among the livestock commodities.

Figure 19 illustrates the historical production trend of livestock from 2015-2020. Highest level of production showed in 2018-

2019. Almost all commodities fell slightly in production from 2015 level to this year.

Nevertheless, production of poultry, which include chicken, duck and eggs, grew by 1.70% from 211,303.34 metric tons in 2019 to 214,900.02 metric tons in 2020. Production of chicken and chicken eggs went up by 0.29% and 8.44%, respectively in 2020. These products were among the distributed items distributed as food supply under the Social Amelioration Program of the government.

In figures 20 and 21, historical production of chicken and chicken eggs shows increasing trend from 2015 to 2020 levels. Duck and duck eggs, however, decreased in production from 2015 levels.

Table 10. Livestock production in Region 1 by province, 2019-2020

Provinces	Production (MT)		
	2019	2020	%GR
<i>Carabao</i>			
Ilocos Norte	5,323.26	4,821.04	(9.43)
Ilocos Sur	1,111.67	702.71	(36.79)
La Union	930.39	877.39	(5.70)
Pangasinan	1,221.25	1,077.74	(11.75)
Region	8,586.57	7,478.88	(12.90)
<i>Cattle</i>			
Ilocos Norte	14,737.33	12,897.29	(12.49)
Ilocos Sur	2,296.18	2,041.34	(11.10)
La Union	4,397.85	3,847.08	(12.52)
Pangasinan	6,807.50	6,351.17	(6.70)
Region	28,238.86	25,136.88	(10.98)
<i>Swine</i>			
Ilocos Norte	14,737.33	12,897.29	(12.49)
Ilocos Sur	2,296.18	2,041.34	(11.10)
La Union	4,397.85	3,847.08	(12.52)
Pangasinan	6,807.50	6,351.17	(6.70)
Region	94,568.85	92,223.38	(2.48)
<i>Goat</i>			
Ilocos Norte	7,139.20	5,403.90	(24.31)
Ilocos Sur	1,079.48	1,032.38	(4.36)
La Union	1,801.70	1,554.87	(13.70)
Pangasinan	1,179.81	1,149.83	(2.54)
Region	11,200.19	9,140.98	(18.39)
Total	285,188.94	267,960.24	(6.04)

Provinces	Inventory (heads)		
	2019	2020	%GR
<i>Chicken</i>			
Ilocos Norte	58,320.47	59,117.30	1.37
Ilocos Sur	14,528.94	13,396.08	(7.80)
La Union	5,390.45	5,719.41	6.10
Pangasinan	5,990.69	6,241.89	4.19
Region	84,230.55	84,474.68	0.29
<i>Duck</i>			
Ilocos Norte	1,025.01	970.73	(5.30)
Ilocos Sur	112.42	104.84	(6.70)
La Union	61.08	76.67	25.52
Pangasinan	121.08	128.76	6.34
Region	1,319.59	1,281.00	(2.92)
<i>Chicken eggs</i>			
Ilocos Norte	1,025.01	970.73	(5.30)
Ilocos Sur	112.42	104.84	(6.74)
La Union	61.08	76.67	25.52
Pangasinan	121.08	128.76	6.34
Region	19,577.51	21,229.89	8.44
<i>Duck eggs</i>			
Ilocos Norte	585.66	525.02	(10.35)
Ilocos Sur	209.95	157.02	(25.21)
La Union	91.75	63.45	(11.57)
Pangasinan	180.68	183.39	1.50
Region	1,048.04	928.88	(11.37)
Total	496,492.28	482,860.26	2.75

Figure 19. Livestock production (mt) in Region1, 2016-2020

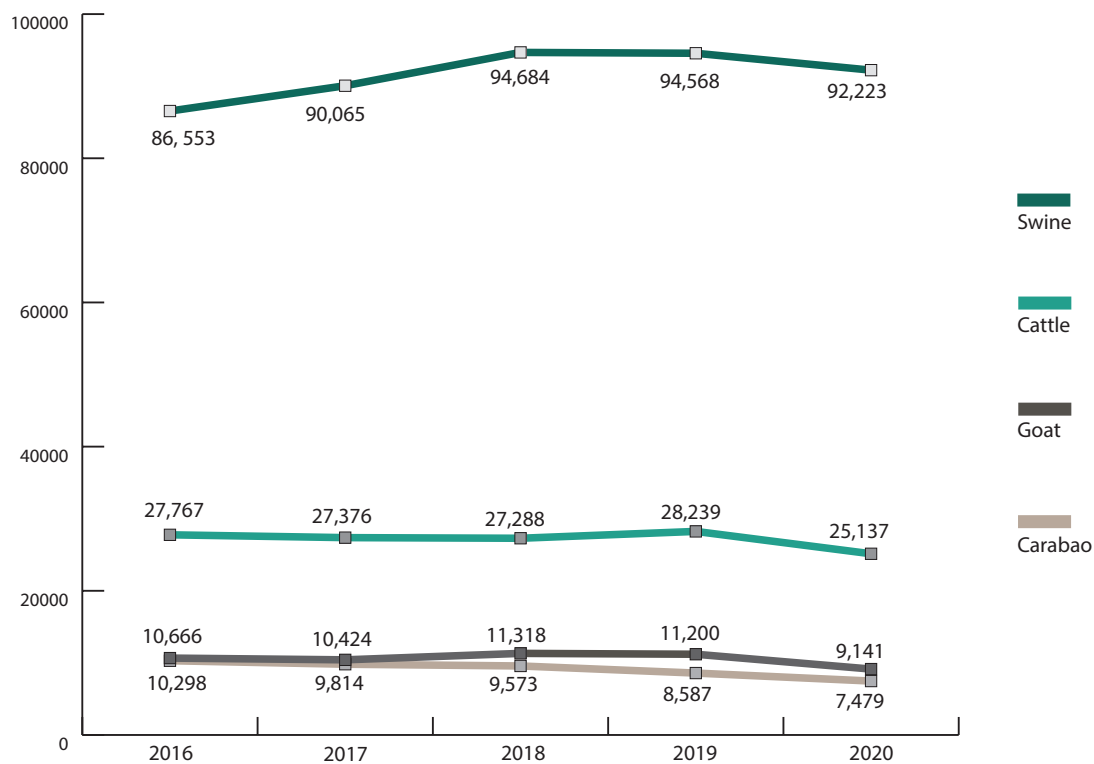


Figure 20. Ilocos Region poultry production (mt), 2016-2020

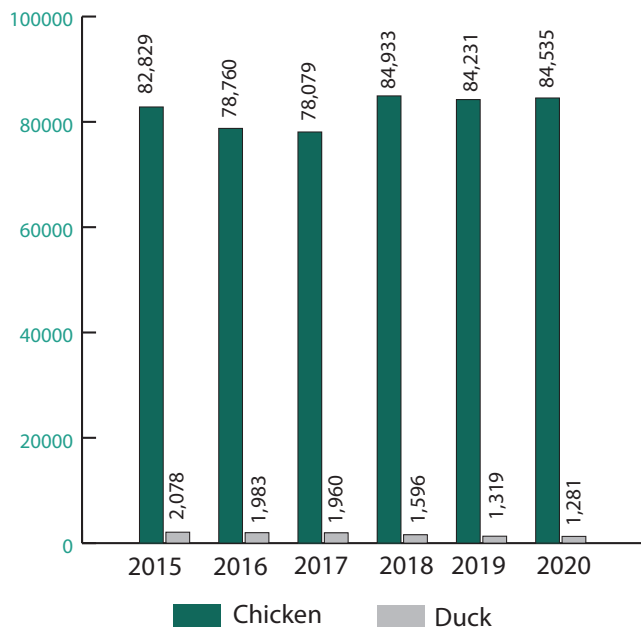
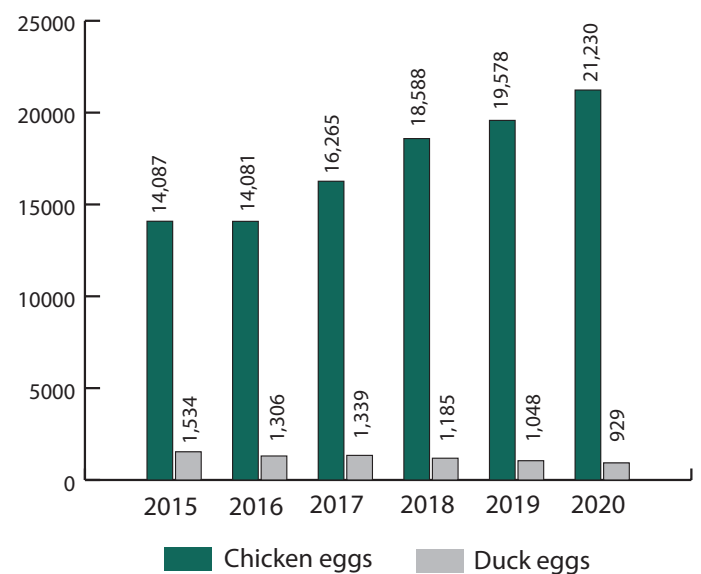


Figure 21. Ilocos Region egg production (mt), 2016-2020



Output and Outcome Commitments

Program 1: Technical and Support Services Program



All 4 provinces or 100% were satisfied with the technical and support services provided by the Department

Outcome Indicator 1



All 4 provinces or 100% validated the timely delivery of production support services by the Department

Outcome Indicator 2

Subprogram 1: Production Support Services - 100% accomplishment



Beneficiaries

51,400 individuals

343 groups

Provided interventions to beneficiaries:

- 1.85 Million kg of palay seeds
- 4.7 Million of inorganic fertilizer
- 26,127 kg of corn
- 57,474 cassava seed pieces
- 2,014 kg of assorted high value crops seeds
- 66,000 kg of flower inducers
- 24,580 kg of molasses
- 11,480 semen straws
- 137,000 doses of drug sand biologics
- 553 heads of livestock

Subprogram 2: Market Development Services - 100% accomplishment



Beneficiaries

175 individuals

83 groups

Market related events conducted:

- KADIWA ni Ani at Kita
- 7 market linkages

Subprogram 3: Extension Support, Education and Training Services - 75% accomplishment



Beneficiaries

10,480 individuals

- 21 training and training-related events conducted
- 12 technology demonstrations/model farms established

Program 2: Agricultural Machinery, Equipment, Facilities and Infrastructure Program



All 4 provinces provided with agricultural machineries, equipment, facilities, and installation of small scale irrigation projects by the Department or 100% were satisfied.

Outcome Indicator 1

Subprogram 1: Irrigation Development Services—64% accomplishment



Beneficiaries

255 groups

Service area generated

2,454 hectares

- 28 units of SSIPs constructed/rehabilitated
- 277 units of irrigation equipment distributed
- 110 kg of forage seeds

Subprogram 2: Provision of Agricultural Equipment, Machinery and Facilities—51% accomplishment



Beneficiaries

607 groups

- 313 units of farm-production machineries and equipment distributed
- 155 postharvest machineries and equipment distributed
- 80 production/post harvest facilities established

Subprogram 3: Farm-to-Market Road Development Program—100%

- 101.62 km of FMR validated for construction
- 8 km of FMR rehabilitated/constructed
- 98% DPWH-constructed FMRs validated and monitored

Program 4: Agriculture and Fishery Regulatory Support Program

4 Provinces were maintained
FMD-free

4 Provinces were maintained
Avian Influenza-free

1,265 regulatory documents were issued and endorsed to BPI/BAI for registration, licensing and accreditation/ certification of livestock, poultry transport carriers and handlers, veterinary drugs and products, feed establishments and veterinary-related facilities





PART 2

Strategies and interventions

COVID 19 FOOD RESILIENCY INTERVENTIONS



The DA plays a vital role in mitigating the effects of the COVID 19 pandemic and the occurrence of African Swine Fever (ASF) on food security and resiliency. For 2020, immediate interventions were rolled-out for food accessibility and affordability, food price stability, and food production and availability,

inputs, raw materials and equipment. Likewise, to enable free movement of the supply chain actors for continuous operation in the agri-fishery sector, 5,474 IATF IDs were issued to food supply chain actors such as farmers, fishers, workers in food processing and manufacturing firms, and logistics providers.

Food Accessibility and Mobility

To ensure the continuous and smooth transport of food, cargoes, and agri-fishery inputs essential to food production and processing, a total of 2,641 food passes was issued to suppliers and truckers of food, rice, vegetables, fruits, meat and processed products, as well as farm, fishery and livestock

Regular monitoring of outflow and inflow of agricultural commodities/supplies is also being conducted at the regional drop-off point in Pangasinan Agri-Pinoy Trading Center in Urdaneta City, Pangasinan to track and/or assess the quantity of volume of agricultural commodities that goes out and enter the region. Monitored total outflow of assorted vegetables in the region reached 13, 632,930



DA-RFO I Food Resiliency Framework

8 Paradigms

1. Modernization
2. Industrialization
3. Promotion of export
4. Farm Consolidation

5. Infrastructure Development
6. Roadmap Development
7. Budget and Investment
8. Legislative Support

Plant, Plant, Plant Program or
"Ahon Lahat, Pagkaing Sapat (ALPAS)
Laban sa Covid-19"

Effective Food System

Food Accessibility and Mobility

- ✓ KADIWA ni Ani at Kita
- ✓ Monitoring of food commodity movements/flows
- ✓ Marketing logistics support
- ✓ Market linkage

Price Stability

- ✓ Strengthening of the Bantay Presyo Task Force
- ✓ Price monitoring and blasting

Food Productivity and Availability

- ✓ Production Support Services
 - Seeds/sedlings/ planting materials
 - stocks
- ✓ Social Amelioration Program
- ✓ ASF control and recovery

Food Supply Value Chain

Banner Programs and other Operating Units

Clientele

- Farmers
- Fishers
- FCAs
- Consumers

Partners

- LGUs
- BFAR & other DA bureaus/AA
- RLA
- SCUs
- CSO
- Private Entities

"A food-secure and resilient Philippines with prosperous farmers and fisherfolk"

kg with destinations to NCR, Central Luzon, CALABARZ, MIMAROPA and CAR. On the other hand, the total inflows of assorted vegetables recorded 6,392, 109 kg from San Jose Nueva Ecija, Aritao, Nueva Viscaya, Tarlac, Isabela and Cabanatuan City.

The region also supported the operationalization of the KADIWA ni Ani at Kita Program to provide affordable and accessible food commodities in high consumer demand areas, particularly among the poor and low-income families, by harnessing the participation of the private sector, farmer's and fisherfolk organizations in the food supply distribution system.

A total of Php12.29 Million sales was generated from the KADIWA ni Ani at Kita markets benefiting suppliers of about 175 individuals and 69 groups, 29,647 consumers and buyers with the following commodities sold: 20,827 kg of rice, 19,146 kg of fish and fish products, 15,315 kg of meat, and 51,273 kg of assorted fruits and vegetables. In addition, 7 market linkages were facilitated benefiting 14 group beneficiaries with a total sales generated of Php 4,867,754.00.

Food Price Stability

To strictly monitor prices and endorse Selling Retail Price (SRP) and price freeze for basic necessities and prime commodities, the Ilocos Region Bantay Presyo Task Force was activated and strengthened. A joint price monitoring activity was facilitated in partnership with the Department of Trade and Industry (DTI), and the Municipal Agriculture Office and Local Price Coordinating Council (LPPC) in selected municipalities in the region.

Food Productivity and Availability

For palay seeds distribution under the Rice Banner Program covering regular and Rice Resilient Project, the region distributed 501,207 kilograms of hybrid seeds and 2,909,100 kg of Urea fertilizer.

In support to Urban Agriculture Project, a total of 1,493 kg of seeds and 444,580 seedlings of assorted vegetables was distributed to 3,570 individuals, 292 groups and 125 LGUs.

In support to Social Amelioration Program, the DA provided financial assistance

Table 11. Status of FSRF and RFFA program, 2020

Province	No. of farmer beneficiaries	Allocated fund	Claimed amount	Unclaimed amount	Amount for replacement
<i>FSRF</i>					
Pangasinan	83,270	416,350,000	372,375,000	42,350,000	12,460,000
Ilocos Norte	28,741	143,705,000	116,225,000	23,910,000	
Total	112,011	560,055,000	488,600,000	66,260,000	12,460,000
<i>RFFA</i>					
Pangasinan	40,707	203,535,000	143,640,000	59,895,000	13,630,00
Ilocos Sur	35,930	179,650,000	160,130,000	1,952,000	9,670,000
La Union	54,325	271,625,000	241,910,000	29,715,000	19,955,000
Ilocos Norte	25,786	128,930,000	105,525,000	23,405,000	13,340,000
Total	156,748	783,740,000	651,205,000	114,967,000	56,595,000



amounting to five thousand pesos (P5,000) through the Financial Subsidy to Rice Farmers (FSRF) and the Rice Farmers Financial Assistance (RFFA) programs.

The FSRF cash subsidy was given to rice farmers, who plant one hectare or less, located in 24 provinces not covered under the RFFA Program, to financially assist them during the COVID-19 pandemic. All farmers who are enrolled in the Registry System for Basic Sectors in Agriculture (RSBSA) and are tilling an area of 1 hectare below are eligible to receive the said cash assistance. A total of 156,748 farmers was benefited with claimed amount of PhP488.6 Million.

The RFFA benefits rice farmers in 33 rice-producing provinces who till land ranging between 500 square meters and two hectares. In Region 1, Pangasinan and Ilocos Norte were covered by the program benefiting 112,011 farmer beneficiaries with total amount claimed of PhP651.2 Million.

Moreover, Php41.95 Million were released to 1,678 borrowers under the Expanded Survival and Recovery Assistance Program for Rice Farmers (SURE Aid) Program.

The region facilitated refocused activities towards food security through the Innovative Family Enterprise Development (IFED) Project. A total of PhP106.438 Million was re-aligned for IFED projects to transform subsistence farmers and livestock raisers into agri-entrepreneurs with the following accomplishments: a) distribution of 5,300 chicken, 582 goat, 741 cattle and 5,000 ducks, and establishment of 5.43 vegetable and 17.8 corn production areas.

To support ASF affected farmers, the region provided a total of PhP67.59 Million indemnification cash assistance to 1,870 livestock raisers. In addition, 765 heads of cattle and 635 freerange chicken including feeds and drugs/biologics were provided to ASF affected farmers with total cost of PhP30.91 Million.

THE EIGHT PARADIGMS

1. Modernization must continue
2. Industrialization of agriculture is the key
3. Promotion of export is a necessity
4. Consolidation of small and medium-size farms
5. Infrastructure development should also be critical
6. Higher budget and investment for Philippine agriculture
7. Legislative support is needed
8. Roadmap development is paramount

Modernization must continue

Modernization aims better access to seeds and other farm inputs such as fertilizers and pesticides, modern farm machineries, animals stocks, drugs and biologics and farm supplies.

For CY 2020, the DA, through the Banner Programs, has implemented the Rice Resiliency Project (RRP) under the 'Plant, Plan, Plant Program or Ahon Lahat, Pagkaing Sapat (ALPAS) Laban sa Covid-19 to increase

agri-fishery output through intensified use of quality seeds, appropriate inputs, modern technologies to increase levels of productivity across all commodities, and thus ensure food productivity, availability, accessibility and affordability amidst the threat of Covid-19 pandemic'. Inbred and hybrid rice seeds were distributed to both rainfed and irrigated areas, on top of the existing Rice Competitiveness Enhancement Fund (RCEF).





Under the fertilizer component of the RRP, the DA provided fertilizer assistance through reimbursement scheme at 3 and 2 bags of Urea per hectare for hybrid and inbred seeds, respectively. The region released a total payout of PhP206.66 Million for Urea fertilizer reimbursement.

The Rice Banner Program also procured and distributed a total of 1,345,358 kilograms of palay seeds as buffer stocks during the occurrence of disasters in the region.

The Corn Banner Program also distributed 1,440 kilograms of Registered OPV White Corn-Glutinous and 72,162 kilograms of GM Yellow Corn seeds including 57,474 cassava seed pieces benefiting 181 individuals and 10 farmer-groups. Likewise, 500 bags each of Urea and Complete fertilizers, 3,000 pieces of Pheromone Lure for Fall Army Worm control, and 70 bottles of insecticides were distributed to corn farmers.

The HVCDP procured and distributed 20.67 kilograms of Yellow Onion, 400 kilograms of Red Onion, 80 kilograms of Shallot Onion

and 733.24 kilograms of lowland vegetables seeds, including 60,000 kilograms of flower inducers. The Program also distributed irrigation paraphernalia such as 72 High Density Polyethylene (HDPE) pipes and 80 water drums.

For the Organic Agriculture Program, 24,580 kilograms of molasses and various farm supplies, plastic crates, net mesh, plastic drums, polyethylene plastic films and plastic mulch were distributed.

Along with the distribution of animal stocks—330 heads of goat, 60 heads of cattle, 50 heads of swine, and 113 heads of duck, the Livestock Banner Program distributed other livestock inputs such as drugs and biologics, semen straws and forage seeds.

Under the Various Activities, a total of 5,005 cutting of forages, such as Trichentera, Indigofera and Desmanthus. The research stations produced and distributed 20,000 planting materials on mango, pomelo, jackfruit and other fruit trees.

The OAP funded the maintenance of production facilities in the stations/provincial research and experiment centers for the production and distribution of organic vegetable seeds, planting materials, animal stocks and other farm inputs. In 2020, the following interventions were produced and distributed with a total of 451 beneficiaries.

Stations	Distributed Interventions
1. Pangasinan Research and Experiment Center (PREC), Sual, Pangasinan	<ul style="list-style-type: none"> - 412 heads of organic chicken - 105 heads of Muscovy duck - 10 heads of organic native pig - 6,879 kilograms of assorted vegetable seeds (tomato, eggplant, okra and hot pepper) - 1,700 seedlings of herbs, spices and ornamental plants - 61.5 kilograms of vermi worms and 850 kilograms of vermicompost
2. PREC, Sta. Barbara, Pangasinan	<ul style="list-style-type: none"> - 450 kilograms of vermiworms and vermicompost - 69,800 kilograms of vermicompost
3. Ilocos Norte Research and Experiment Center (INREC), Dingras, Ilocos Norte	<ul style="list-style-type: none"> - 5 heads of goat - 330 kilograms of black/red rice seeds - 60 kilograms of mungbean seeds - 8 kilograms of vermiworms
4. INREC, Batac, City, Ilocos Norte	<ul style="list-style-type: none"> - 6.2 kilograms of vermiworms - 4,075 kilograms of vermicompost - 450 kilograms of black/red rice seeds





The paradigm on Modernization also aims to have better access to farm production, post harvest and irrigation machineries/equipment. It enables better utilization of agricultural land, and increase farm efficiency and profitability.

The Banner Programs, on top of the RCEF by the PhilMech, distributed the following farm production, post harvest and irrigation machineries and equipment:

Rice	Corn	HVCDP	OAP
<ul style="list-style-type: none"> • 12 units of 4-WD tractor • 28 units of combine harvester • 28 units of hand tractor • 5 units of precision seeder • 5 units of recirculating dryer 	<ul style="list-style-type: none"> • 9 units of 4-WD tractor • 5 units of hammer mill • 4 units of corn sheller • 4 units cassava grater with presser • 5 units of cassava pulverizer 	<ul style="list-style-type: none"> • 2 units of 4-WD tractor • 37 units of multi-cultivator • 540 units of knapsack sprayer • 30 units of power sprayer • 6,246 pieces of plastic crates • 98 pieces of fermentation box 	<ul style="list-style-type: none"> • 7 units of 4-WD tractor • 8 units of shredder • 4 units of multi-purpose cultivator • 4 units of rice mill • 2 units of coffee pulper • 2 units of coffee huller • 150 units of knapsack sprayer



Better access to improved technologies - Extension support, education, and training services

Improved technologies of the agriculture sector can be accessed through trainings and training related events., establishment of technology demonstrations and model farms., and dissemination of IEC materials. For 2020, there were 10,480 individuals who benefitted from the following initiatives:



- 8 batches of entrepreneurial trainings on Corn-Livestock Integrated Farming System conducted
- 4 batches of cassava
- livelihood trainings conducted
- 3 corn model farms established
- 1 cassava model farms established
- 2 sorghum model arms established
- 5 sorghum technology demonstrations
- 3 training-related events conducted in support to Gender and Development
- 2 OAP seminars conducted
- 5 field days conducted
- 4 radio stations contracted (broadcast)
- 17,500 IEC materials on production

Better access to improved technologies - Research for development

Despite the pandemic, research for development activities were continued utilizing available resources in the stations.

Commodity/ Title of R for D activities	Results																														
1. Efficient Deployment Systems for NextGen Varieties Enhanced Genetically Through Modern Breeding Technologies Contributing to Increased Productivity in the Philippines																															
Components:																															
a. Validation of recommendation domains and provincial variety profile	It has been deferred due to the pandemic to avoid contact and spread of the virus with the other person.																														
b. Participatory performance testing and validation -researcher managed	Result shows that NSIC Rc508 yielded the most with 7.0t/ha, followed by NSIC Rc222 (6.84 t/ha) and NSIC Rc510 (6.31t/ha) in both season (dry and wet).																														
c. Techno demo cum seed production	In Ilocos Sur, NSIC Rc222 registered the highest yield and NSIC Rc 216 during Dry Season 2019-2020 and Wet Season 2020, respectively. In Ilocos Norte, NSIC Rc222 performed the highest yield followed by NSIC Rc216. Techno demos in La Union and Pangasinan were refocused to IFED projects during the wet season.																														
d. On-station seed production	<p>A total of 9.0 hectares were planted for DS 2019-2020 and WS 2020. The following their inventory produced seeds:</p> <table> <tr> <th colspan="2">Production/Inventory (Bags)</th></tr> <tr> <th>Variety</th><th>Seed Class</th></tr> <tr> <td>INREC-Dingras, Ilocos Norte</td><td></td></tr> <tr> <td>NSIC Rc222</td><td>208 certified seeds</td></tr> <tr> <td>NSIC Rc160</td><td>102 registered seeds</td></tr> <tr> <td>NSIC Rc216</td><td>69 registered seeds</td></tr> <tr> <td>Subtotal</td><td>379</td></tr> <tr> <td>INREC-Batac City, Ilocos Norte</td><td></td></tr> <tr> <td>NSIC Rc222</td><td>196 registered seeds</td></tr> <tr> <td>NSIC Rc160</td><td>201 registered seeds</td></tr> <tr> <td>NSIC Rc216</td><td>136 registered seeds</td></tr> <tr> <td>NSIC Rc400</td><td>172 registered seeds</td></tr> <tr> <td>NSIC Rc480</td><td>177 registered seeds</td></tr> <tr> <td>Subtotal</td><td>882</td></tr> <tr> <td>Total</td><td>1,261</td></tr> </table>	Production/Inventory (Bags)		Variety	Seed Class	INREC-Dingras, Ilocos Norte		NSIC Rc222	208 certified seeds	NSIC Rc160	102 registered seeds	NSIC Rc216	69 registered seeds	Subtotal	379	INREC-Batac City, Ilocos Norte		NSIC Rc222	196 registered seeds	NSIC Rc160	201 registered seeds	NSIC Rc216	136 registered seeds	NSIC Rc400	172 registered seeds	NSIC Rc480	177 registered seeds	Subtotal	882	Total	1,261
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Commodity/ Title of R for D activities	Results
2. Field testing of fertilizer management on the growth and yield of rice in major zinc deficient areas in Region 1	Dry method of collecting soil sample gave the highest yield of 5.03 t/ha and least is wet method of collecting soil sample without zinc at field.
3. Rice Innovative Technology Adoption (RITA10)	RITA10 technology has significant effect on the productive tillers of NSIC Rc222 as compared to farmers' practice with 20 and 13 productive tillers, respectively. Relatively, improved practice using RITA10 technology (Carrageenan as plant growth promoter and 130-30-30 kgs of NPK/ha) has the higher yield with 7.78t/ha while farmers practice with 4.82t/ha. Moreover, it has same effect for NK5017 on both agronomic and yield performance. Improved practice using RITA10 technology (7.78t/ha) out yielded the use of farmers practice (4.82), both numerically and statistically. Overall, the use of RITA10 technology has a good effect on the growth and yield of rice which means the higher the yield of rice, the increase of income for farmer.
4. Enhancing Farmers' Profitability Through Diversified Farming in Tobacco Areas in Ilocos Sur	The diversified crops such as yellow corn, white corn, Garlic, tomato, pepper, ampalaya, onion and mungbean, tried for the project were feasible crops to increase the productivity of the farmer. Income of farmers increased to PhP 238,043.25 in Cadanglaan, Sinait, Ilocos Sur, PhP 230,265.00 in Aguing, Sinait, Ilocos Sur, and PhP 232,160 in Barbar, San Juan, La Union.
5. Enhancing Productivity and Seed Quality of Rice cum Seed System Development in Saline Areas	NSIC Rc390 and NSIC Rc480 has the highest yield with 5.03 tons/hectare (t/ha) followed by NSIC Rc392 with a yield of 4.91 t/ha.
6. On-station mushroom modules	<p><u>Mushroom culture and spawn production</u></p> <p>There were 250 mother culture of white oyster and 14 mother culture of gray oyster mushroom produced. It was observed that using yellow cracked corn in gray oyster mushroom spawn are more prone to contamination rather than white oyster mushroom.</p> <p><u>Mushroom production</u></p> <p>A total of 6,094 fruiting bags with 200 gray oyster fruiting bags were produced and a total of 2,423 fruiting bags were distributed to clients. A production of 592 kilograms mushroom fruit was harvested from 3,146 fruiting bags hanged as techno demo .</p> <p><u>Training and Information Advocacy</u></p> <p>Four (4) trainings were conducted covering hands-on activity on the preparation, sterilization and inoculation of mother culture and mushroom spawn.</p>

Commodity/ Title of R for D activities	Results
<p>7. Community-based action research for climate -resilient agriculture (CRA) in Region 1</p> <p>Duration: 2017-2020 Cost: 5,000,000</p>	<ul style="list-style-type: none"> 11 CRA technology interventions were identified by farmers which to cope up with drought, typhoon, landslides and soil erosion Adoption rate of these CRA technologies were above 50% except formulated fermented feed mix (32%). Use of IMO (22%) and drip irrigation (33%).
<p>8. Selection, purification, and multiplication of garlic cultivars for multi-location trials in Region 1</p> <p>Duration: 2017-2020 Cost: 1,000,000</p>	<p>Selected and purified 6 registered NSIC garlic varieties namely Balitok (Ilocos White), Gameng (Ilocos Pink), Sanikua (Mexican), Bang-ar (VFTA275 M76), Ilocos Tan bolters and MMSU Gem (Miracle)</p>
<p>9. Enhancing Organic Soybean Production and Processing for Improved Local Supply and Utilization in Region 1</p> <p>Duration: 2018-2020 Cost: 1,000,000</p>	<ul style="list-style-type: none"> Started to developed seed system for soybean in Ilocos Region -Developed 2 technologies for soybean (organically-grown and conventionally produced) in Ilocos condition Developed 2 and strengthened 4 local processors on soybean processing
<p>10. Multi-location adaptability trial of registered garlic varieties and other garlic cultivars in Region 1</p> <p>Duration: 2018-2020 Cost: 1,000,000</p>	<ul style="list-style-type: none"> Pangasinan are found suitable for garlic production as it surpasses the national average yield MMSU Gem, Ilocos Pink, Batanes White and Bang-ar are the most promising among 7 varieties tested across locations
<p>11. Community-based Participatory Action Research on Breeder Goat Production in Sta. Maria, Ilocos Sur</p> <p>Duration: 2016-2020 Cost: 2,500,000</p>	<ul style="list-style-type: none"> Established 1 multiplier farm for boer goat with (20) farmer cooperators benefited Improvement in production was observed in terms of birth weight and weaning weight by 50% and 65% respectively, compared to farmer's practice. Very high mortality in both kid and breeders by 85% and 50% respectively due hypocalcemia and mastitis for breeders and pneumonia and severe parasite infestation among kids esp during & after typhoon

**Bureau of Agricultural Research-funded projects*

Commodity/ Title of R for D activities	Results
<p>12. Community-based participatory action research on breeder goat production in San Jacinto, Pangasinan</p> <p>Duration: 2017-2021 Cost: 2,203,000</p>	<ul style="list-style-type: none"> Established 1 multiplier farm (MF) for Boer goats and 2 for Anglo-Nubian goats for a total of 3 MFs For the initial results, Boer goats are heavier than Anglo-Nubian especially males at birth to 8 months old Housing is the most adopted technology by the association's members and spill-over
<p>13. Participatory Technology Demonstration cum Research on the management of Mango Cecid fly in Ilocos Region</p> <p>Duration: 2020-2021 Cost: 2,160,000</p>	<ul style="list-style-type: none"> Started flower induction on December, 2020 in 3 sites such, San Fernando City, La Union, Malasiqui, and Bolinao, Pangasinan while the other 2 sites are Pinili, Ilocos Norte, Sta. Cruz, Ilocos Sur started January 2021. The cause of delay was due to typhoon Rolly and Ulysses. Simultaneous with the research is the conduct of Farmer Field School on IPM Mango Production attended by 20 mango growers per site
<p>14. Innovative Family Enterprise Development thru improved chicken production in Sta. Maria, Ilocos Sur</p> <p>Duration: 2020-2021 Cost: 2,500,000</p>	<ul style="list-style-type: none"> Established in 3 brgy's of Sta. Maria, Ilocos Sur Initially awarded 240 heads pullet and 60 cockerels at 9:1 to 30 farmer-cooperators A total of 558 eggs collected of which 74 pcs were consumed, 41 were sold and 21 pcs were rejects

**Bureau of Agricultural Research-funded projects*



Consolidation of small and medium-size farms is necessity

In order to optimize the provision of government interventions and assistance, and attain economies of scale, the DA strongly encouraged farmers and fisherfolk to organize themselves into cooperatives or associations, and consolidate their farms into contiguous clusters.

Farm clustering can boost productivity and competitiveness of farmers and fishers as they will achieve economies of scale clustered farms resulting to higher level of efficiency throughout the value chain — from reduced production and operations expenses, cheaper farm inputs as they could buy wholesale, more

harvests and selling their produce directly to markets and institutional buyers, to realizing bigger revenues and incomes.

The region started the establishment of five (5) pilot cluster areas in the four provinces, namely:

Location	Commodity	Area (ha)	Name of cluster	Status
Umingan, Pangasinan	Corn, cassava, high value crops, livestock raising and fresh water tilapia production	300	Pangasinan Farmers Agriculture Cooperative Cluster	Conducted participatory rural appraisal, site validation and geotagging of covered areas, and provided tilapia stocks
Bolinao, Pangasinan	Fisheries, rice, corn, vegetables, peanut, sweet potato and livestock	201	Santiago Island Hog Raiser Agriculture Cooperative	Conducted participatory rural appraisal, site validation and geotagging of covered areas
Agoo, La Union	Rice, lowland vegetables, goat and chicken	180	Sta. maria-Sta. Fe-San Jose-San Joaquin MPC Cluster	Provided various machineries and equipment, palay and vegetable seeds, and goat breeding stocks
Sto. Domingo, Ilocos Sur	Rice, corn, vegetables, tobacco, garlic, tilapia, shallot onion	3,450	Arangkada Sto. Domingo Federated Farmers Association Inc.	Conducted profiling
Adams, Ilocos Norte	Coconut, banana, bugnay, rambutan, cacao, dragon fruit	500	Timpuyog ti Adams Entrepreneurs Credit Cooperative	Conducted profiling

Infrastructure development should also be critical

The Farm-to-Market Road (FMR) Development Projects (FMRDP) is one of the priority infrastructure interventions of the Department of Agriculture with significant impact in increasing agricultural productivity and reducing losses by farmers. It connects rural or agricultural farms to market areas .

This year, a total of Php237 Million was funded for the construction of 19 FMR projects with 19.87 kilometers length.

Of this, 8 projects or 8.43 kilometers amounting to PhP99.5 Million were already constructed. Construction of the 19 projects with total length of 19.87 kilometers is on going.

Bulk of the FMRs were constructed in Pangasinan with 9 projects at 9 kilometers valued at PhP112.5 Million.

Province/ District	Accomplished			On-going			Total		
	FMR projects (no.)	Length (km)	Project cost (PhP'000)	FMR projects (no.)	Length (km)	Project cost (PhP'000)	FMR projects (no.)	Length (km)	Project cost (PhP'000)
Pangasinan	5	5	62,500	4	4	50,000	9	9	112,500
District 1	2	2	25,000				2	2	25,000
District 2	2	1	25,000				2	1	25,000
District 3				2	2	25,000	2	2	25,000
District 4	1	1	12,500	1	1	12,500	2	2	25,000
District 5				1	1	12,500	1	1	12,500
District 6							-	-	-
La Union	1	2	12,500	3	3	3,500	4	5	50,000
District 1	1	2	12,500	1	1	12,500	2	3	25,000
District 2				2	2	25,000	2	2	25,000
Ilocos Sur	-	-	-	2	2	25,000	2	2	25,000
District 1				1	1	12,500	1	1	12,500
District 2				1	1	12,500	1	1	12,500
Ilocos Norte	2	2	24,500	2	2	25,000	4	4	49,500
District 1	1	1	12,000	1	1	12,500	2	2	24,500
District 2	1	1	12,500	1	1	12,500	2	2	25,000
TOTAL	8	8	99,500	11	11	137,500	19	20	237,000



Modernization also includes to have better access to irrigation machineries/equipment and facilities which will stabilize farm production by protecting against drought and by increasing crop yields and quality when rainfall is insufficient. It permits farmers to grow moisture-sensitive, high-value crops and crops that will improve their diet.

- 2,454 hectares service generated/restored
- 1,203 jobs generated
- Rehabilitated eight diversion dams
- Rehabilitated four small water impounding projects
- Constructed nine diversion dams
- Constructed two small water impounding projects
- Constructed five solar powered irrigation projects
- Distributed 277 pump and engine gets



Higher budget and investment for Philippine agriculture

For this year, the DA Ilocos Region's budget allocation increased by 103.48% from Php1.75 Billion in 2019 to Php3.56 Billion in 2020. covering the General Administrative and Support Services, Support to Operations and the Operations.

The interventions under the Operations Component are the Banner Programs, Regular/Various Activities, Farm-to-Market Roads (FMR) and the Foreign-Assisted and Locally-funded Projects.

The region has also an allocation of Php222.7 Million for Continuing Appropriations and Php1.37 Billion for Bayanihan 1 and 2 Programs.



Programs/Projects	GAA Allocation (PhP)			
	2020	2021	Inc/Dec	%Inc/Dec
I. General Administration and Support Services	41,460	48,352	7,072	17.06
II. Support to Operations	122,083	143,661	21,578	17.67
III. Operations	1,586,495	3,368,742	1,782,247	112.34
National Rice Program	721,187	1,805,567	1,084,380	150.36
National Livestock Program	48,634	69,000	20,366	41.88
National Corn Program	78,836	84,850	6,014	7.63
High Value Crops Development Program	91,490	127,610	36,120	39.48
National Organic Agriculture Program	20,162	25,375	5,213	25.86
HALAL Food Industry Development Program	350	350	-	-
Regular (Various Activities)	99,836	116,106	16,270	16.30
Farm-to-Market Roads	526,000	884,000	358,000	68.06
Foreign Assisted and Locally-funded Projects	-	255,884	255,884	-
Farming systems in upland communities for Indigeneous Peoples, Kabuhayan, at Kaunlaran ng Kababayang Katutubo (4K)	-	4,883	4,883	-
Updating of the Registry System of Basic Sectors in Agriculture through the National Fisherfolk Information System	-	16,300	16,300	-
Inclusive Agribusiness Program	-	234,701	234,701	-
Grand Total	1,750,038	3,560,935	1,810,897	103.48

PLANT, PLANT, PLANT PROGRAM (AHON LAHAT PAGKAING SAPAT (ALPAS) LABAN SA COVID-19

The DA implemented the “Plant, Plant, Plant Program or Ahon Lahat, Pagkaing Sapat (ALPAS) Laban sa COVID 19 program to benefit farmers, fishers and consumers in sustaining food adequacy during the pandemic .

This program was funded under the following source: the Bayanihan to Heal as One Act or Bayanihan 1 , and the Bayanihan to Recover As One Act or Bayanihan 2.

In Ilocos Region, a total of PhP 924.224 Million and PhP 444.564 Million worth of

projects under the Bayanihan 1 and Bayanihan 2 Programs.

The Bayanihan 2 Program covers three (3) components, namely: 1) Productivity Enhancement Projects, 2) Income Enhancement Projects, and 3) Inclusive Enterprise Development Projects.

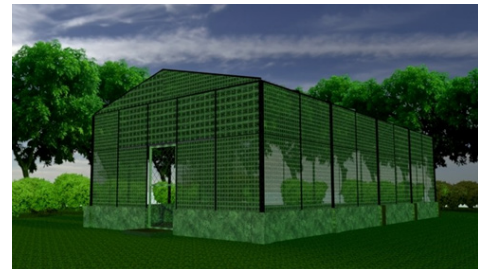
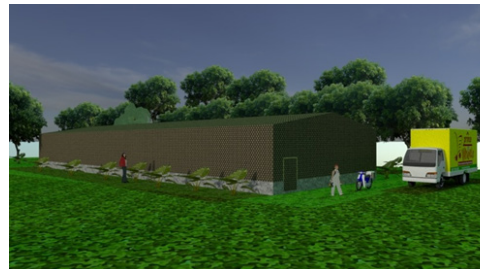
Ilocos Region's projects under the Bayanihan 1 and Bayanihan 2 Program are as follows:

BAYANIHAN 1 P/P/A	Physical Target	Financial (Php000)
Rice Resiliency Project		
Distribution of palay seeds	3.04 Million kilograms of palay seeds distributed	876,261
Fertilizer reimbursement	103,686 farmers benefited	
Fertilizer e-voucher	73,126 claims/beneficiaries	
Procurement of truck mounted	2 trucks procured	
National Livestock Program in support to COVID 19		
Distribution of animal stocks	2,700 heads of improved chicken distributed	15,220
	525 heads of goat distributed	
	75 heads of cattle distributed	
National Corn Program in support to COVID 19		
Distribution of Yellow Corn seeds	6,822 kilograms of Yellow Corn seeds distributed	9,969
HVCDP in support to COVID 19		
Distribution of assorted vegetables	367 kilograms of assorted vegetables distributed	2,860
OAP in support to COVID 19		
Distribution of molasses	3,000 kilograms of molasses distributed	554
Distribution of plastic mulch	50 rolls of plastic mulch distributed	
Maintenance of production-related facilities	3 production-related facilities maintained	
Market Development Services		
DA Enhanced KADIWA Inclusive Food Supply Chain Program (Type A)	5 packing facilities established	19,000
DA Enhanced KADIWA Inclusive Food Supply Chain Program (Type A)	2 FCA consolidators benefited (cash grant)	
Procurement of customized truck for KADIWA ni Ani at Kita (KADIWA on wheels)	2 trucks procured	
TOTAL		924,224

BAYANIHAN P/P/A	Physical Target	Financial (Php000)	Remarks
A. PRODUCTIVITY ENHANCEMENT PROJECTS		212,954	
Rice Resiliency Project	4 provinces covered	6,709	
	4 municipalities covered		
Urban Agriculture	40 community gardens established	24,000	For establishment
Establishment of production facilities	4 modernized urban agriculture established		
Enhancing Technology Transfer and Capacities			
Conduct of project		37,500	On-going procurement
Establishment of project site			
Garlic Expansion		20,000	For delivery
Distribution of garlic planting materials			
Distribution of other inputs			
Distribution of farm equipment			
Distribution of irrigation machineries			
High Value Crops Industry Development			
Banana			
Distribution of saba-banana planting materials	15,625 kilograms of saba-banana planting materials distributed	5,000	For delivery
Distribution of other inputs	125 liters insecticides distributed 125 kilograms fungicides distributed 21,250 kilograms inorganic fertilizers distributed 2,500 bags organic fertilizer distributed 125 liters herbicide distributed		
Conduct of Package of Technology (POT)			For conduct in May 2021
Distribution of farm equipment			For delivery
Distribution of post-harvest/processing equipment			Delivered for distribution
Mango			
Distribution of other inputs	1,430 EMO (Bacilus Subtilis) distributed	30,000	For delivery
	2,000 kilograms insecticide distributed		
	4,000 kilograms inorganic fertilizer distributed		Delivered; for distribution
	4,000 kilograms organic acid distributed		For delivery
	4,000 kilograms natural plant food distributed		
Distribution of irrigation paraphernalia	83 industrial drum distributed		Delivered, for distribution
Conduct of Package of Technology (POT)	4 POT conducted		For conduct in April 2021
Distribution of farm equipment	1 drone sprayer distributed		Delivered
Establishment of technology demonstrations	2 of techno demo established		For conduct in May 2021
Distribution of farm production machineries/equipment	401 farm production machineries/equipment distributed		For delivery
Distribution of post-harvest machineries and equipment	7 post harvest machineries and equipment distributed		For delivery

BAYANIHAN P/P/A	Physical Target	Financial (Php000)	Remarks
<u>Bamboo</u>			
Distribution of mungbean seeds	500 kilograms mungbean seeds	15,000	For replacement
Distribution of bamboo planting materials	2,000 bamboo planting materials distributed		For delivery
Conduct of Package of Technology	2 POT conducted		To be conducted in May 20221
Establishment of technology demonstrations	2 techno demo established		For establishment
Distribution of farm production machineries/equipment	264 farm production machineries/ equipment distributed		For delivery
Establishment of bamboo processing facility	1 bamboo processing facility established		On-going procurement
Distribution of irrigation equipment	12 pump and engine sets distributed		Delivered ; for distribution
Fall Army Worm (FAW) Management		8,235	On-going procurement
Distribution of farm inputs	3,556 bottles of botanical pesticides 2,660 packs of Pheromone Lure		
Distribution farm-production equipment	2 power sprayers		
Distribution of geotagging device	11 geotagging device		
Dissemination of IEC materials	1,000 leaflets on FAW Awareness disseminated 300 tarpaulin of FAW Awareness hanged		
Strengthening Crop Pest and Diseases Management	1 laboratory facility upgraded	14,010	On-going procurement of needed equipment and construction of BCA Laboratory building
Nucleus and Multiplier Breeder Farms (Poultry, Swine, and Small Ruminants)	4 nucleus and multiplier farms for chicken and goats established	19,500	PhP10 Million was fund transferred to SUCs; on-going procurement
Cattle Feedlot Fattening Project	5 nucleus and multiplier farms established	25,000	Fund transferred to SUCs and LGUs; on-going procurement
Massive Seed/Seedling Production (Vegetables and Fruits)	2 production area established	8,000	PhP 8 Million was transferred to MMSU and PSU; on-going procurement activities
Establishment of production area for malunggay planting materials			
B. INCOME ENHANCEMENT PROJECTS		209,700	
Provincial Trading Center	1 trading center established/constructed	100,000	On-going construction
Marketing Logistics Support	4 reefer vans to be distributed	13,300	Funds were transferred to beneficiaries; on-going procurement

BAYANIHAN P/P/A	Physical Target	Financial (Php000)	Remarks
Packing Houses with Cold Storage	1 multi-crop seeds storage established 2 monolithic dome type cold storage established	75,000	On-going establishment
RSBSA	122 enumerators/encoders hired 58 ICT equipment procured 252,462 farmers profile to be encoded	7,000	Continuous encoding of profiles
ADING	1 Regional Integrity Network Group Ring established 1 training on Procurement Law and Bidding Process conducted 12 validation and monitoring conducted	765	To be conducted on the 2nd quarter; Orientation on RBME was already conducted. Activities will be on the 2nd quarter
Enhanced KADIWA 2: Marketing Logistics Support Program - Establishment of trading post	1 trading post established	5,000	Fund transferred to NSCC; on-going construction
Farms and Fisheries Clustering and Consolidation (F2C2)/Bayahihan Agri-Clusters (BAC)	47 cluster farms established 10 trainings and training-related events conducted	6,650	Conducted profiling, PRA and entrepreneurial trainings in 5 pilot areas (2020) in the region; on-going profiling and coordination in 2021 target cluster areas
Mentoring and Attracting Youth in Agribusiness	16 interns assisted and mentored	1,985	
C. INCLUSIVE ENTERPRISE DEVELOPMENT PROJECTS		22,000	
Processing facility for the production of Chichacorn	1 processing facility established	2,000	On-going construction
Processing and swine breeding facilities for quality Bagnet	1 processing facility established	15,000	On-going construction
Integrated Vegetable Production in Dagupan City	6 processing facility (greenhouse) established	5,000	On-going construction
TOTAL		444,654	



Perspective view of
Ilocos Sur Research and Experiment Center





Perspective view of
**Ilocos Sur Provincial
Trading Center**



VARIOUS ACTIVITIES

Agribusiness and Marketing Assistance Division

The Agribusiness and Marketing Assistance Division (AMAD) conducted and implemented various market development projects and activities, as follows:

Agribusiness Promotion Section

- Conducted a credit forum for various agriculture and fishery sector stakeholders in Region 1 with 130 participants
 - Conducted an orientation briefing on the institutionalization of farmers and fisherfolk enterprise development program (SAGIP SAKA) in Region 1 with 120 participants
 - Assisted the distribution of the Rice Farmers Financial Assistance (RFFA) cash cards to 19,927 farmer-beneficiaries affected by the price drop in the farmgate price of palay
 - Assisted the DA-Agribusiness and Marketing Assistance Service (AMAS) in enterprise assessment and profiling of Rice Processing Center recipients
 - Facilitated and endorsed 1,125 (Ilocos Norte-70, Ilocos Sur-54, La Union- 707, and Pangasinan 294) Marginalized, Small Farmers and Fishers (MSFF) who were affected by the Enhanced Community Quarantine due to COVID-19 to the Agricultural Credit Policy Council for Agri-Negosyo Loan Program
- Conducted on-site enterprise profiling and assessment on the following cooperatives:
 - Catuguing MPC
 - Bagnos MPC
 - Alviar MPC
 - Western Pangasinan Seed Growers
 - Lambayan MPC
 - Capulaan MPC
 - Abasto MPC
 - Self Reliant Team Cooperative of Alcala
 - Movers MPC
 - Saint Paschal Baylon MPC
 - Conducted two batches of enterprise assessment of eight (8) cooperatives with 80 member-participants
 - Conducted (4) batches of Business Plan Preparation and Business Management Training

Agribusiness Industry Development Section

- Facilitated regular monitoring of agricultural commodity movement (outflows and inflows) at the Agri-Pinoy Trading Centers (APTCs) in Urdaneta City, Pangasinan, Food Terminal



Projects(FTP) and Organic Trading Posts (OPTs)

- Monitored and evaluated the operational status of sixteen (16) established FTPs with total generated sales of Php10,234,462
- Conducted regular price (farmgate and retail) monitoring of basic necessities and prime commodities as enumerated in the Price Act (RA 7581) in selected major markets in the region
- Facilitated accreditation 7 food lanes and issuance of 2,695 food passes for

continuous food supply

Market Development Section

Facilitated 11 market linkages benefitting 10 farmers groups producing mungbean, lowland vegetables, tropical fruits, peanut, and pigmented rice total volume sold at 419.60 tons valued at Php9,239,875.76.

Implemented the KADIWA ni Ani at Kita as an alternative direct market of local produce to benefit both the producers and consumers generating the following sales:

KADIWA ni Ani at Kita Modality	No. of sites established	No. of supplier-producers		No. of household served	Volume sold (kg)	Sales generated (Php)
		Individual	Groups			
Retail Selling	7	125	56	16,615	42,233.52	9,554,352.92
Agri Kart	1		1	1,359	1,219.75	184,562.00
Online	14	21	4	5,684	17,240.15	831,313.75
On-wheels	11	17	8	5,890	21,689.88	1,694,607.25
Total	33	163	69	29,548	82,383.30	12,264,835.92

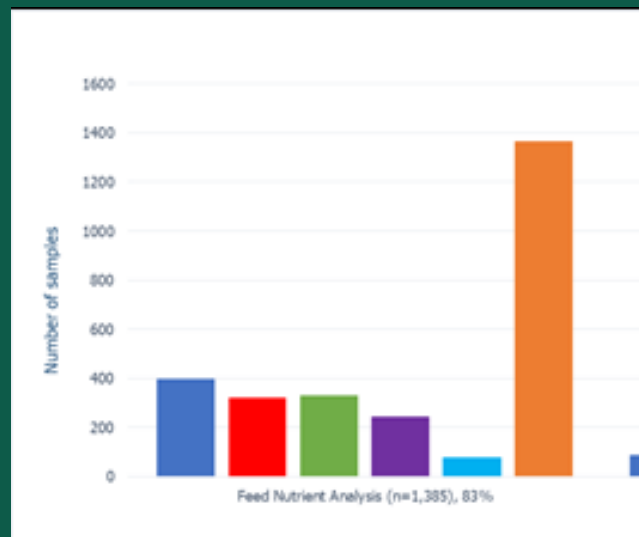
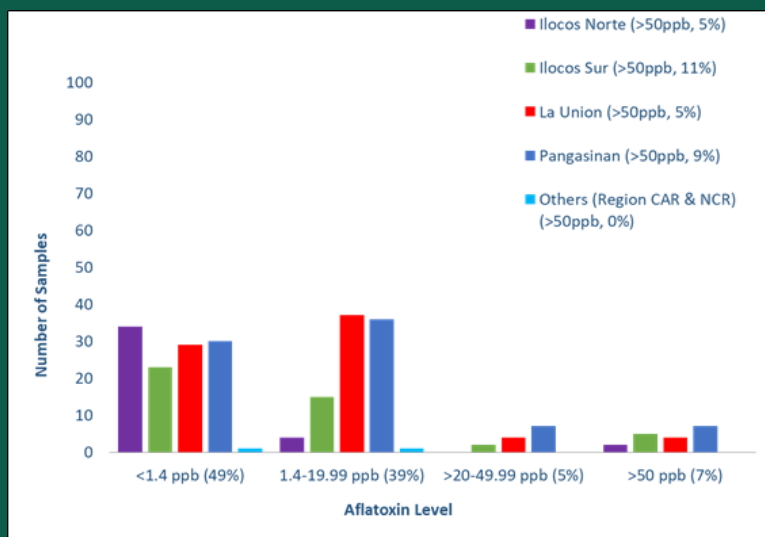
Integrated Laboratories Division

The Integrated Laboratories Division (ILD) has been providing laboratory testing services on plant pests and animal diseases screening and diagnosis; soils, water, fertilizer and feed quality analysis. In addition to this, pesticide residue using Rapid Bioassay Pesticide Residue (RBPR) method, Mass production of biological control agents such as Metarhizium, earwigs, and Trichogramma for the control of plant pests are undertaken by the Regional Crop Protection Laboratory. These services of the laboratory were undertaken in support to regulatory and enforcement purposes,

research and development, production and extension (DA Banner Programs) of DA RFO 1. External customers (walk-in) who availed of our laboratory services were livestock and poultry raisers, students, researchers/ academe, Local Government Units (LGUs) and farmers.

This year, accomplishments of the Division were as follows:

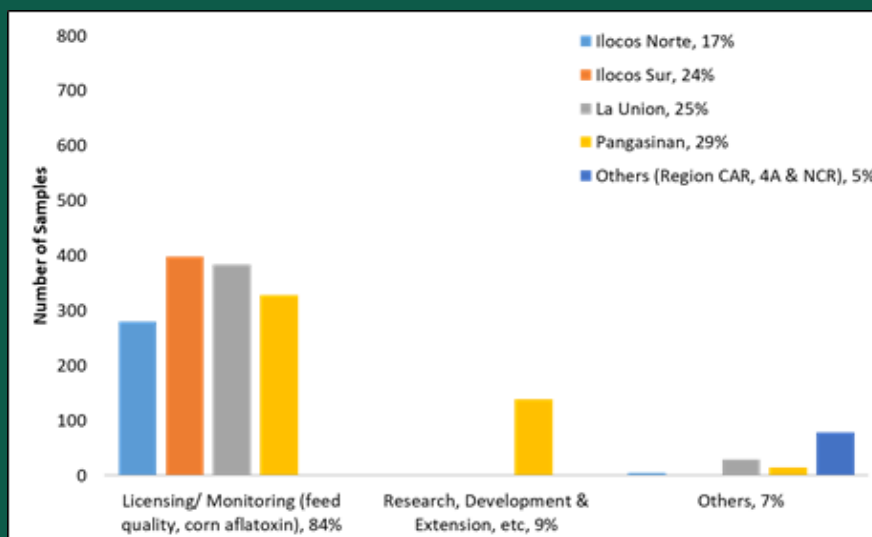
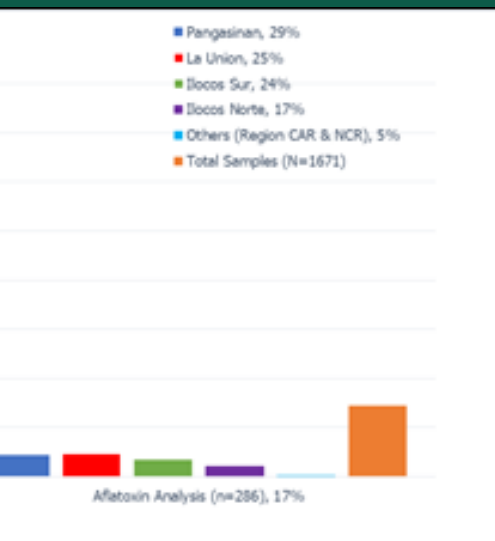
1. Regional Feed Chemical Analysis Laboratory (RFCAL)



A total of 1,671 samples comprised of feed products, corn and other feed ingredients were subjected to laboratory testing using approved standard methods. Of this, 1,385 samples were subjected to nutrient analysis (moisture, ash, crude protein, crude fat, crude fiber, calcium & phosphorus), while 286 samples were subjected to total aflatoxin analysis (AFB1, AFB2, AFG1 & AFG2). Majority (29%) of the samples were from the province of Pangasinan.

Based on aflatoxin analysis conducted, majority of the samples had aflatoxin level

below the maximum allowable limit. Herein, 88% of the samples passed the 20 ppb maximum limit for human food application, while 93% passed the 50ppb maximum limit for feed application (Figure 3). The incidence of aflatoxin contamination (above 50 ppb maximum limit) was observed lowest in samples collected from feed manufacturers/ distributors and retail outlets in Ilocos Norte and La Union (both 5%) followed Pangasinan (9%) and La Union (11%).



2. Regional Animal Disease Diagnostic Laboratory (RADDL)

Virology

- 219 samples were examined for rabies test of which 100 (46%) samples were found positive. These positive rabies cases were coordinated with the concerned Provincial Veterinary Office and concerned MLGUs for appropriate action.
- 2,179 samples were examined for Caprine Arthritis Encephalitis (CAE) of which 98 were found positive
- 8,883 samples were examined for African Swine Fever (ASF)
- 113 samples were examined for Hog Cholera test of which three (3) were found positive
- 419 samples were examined for Newcastle Disease of which 96 were found positive
- 572 samples were examined for Avian Influenza (AI) with no positive results

Bacteriology

- 2,362 samples were examined for Brucellosis with no positive result
- 302 samples were examined for Pollorum where 102 were found positive
- 154 and 149 samples were examined for bacterial isolation and antibiotic sensitivity tests, respectively

Parasitology

- 1,579 samples were examined for fecalysis

Pathology

- 297 samples were examined for clinical pathology-blood analysis to determine the level of anemia in goats of which 136 were found to be anemic



BLOOD COLLECTION FOR SALMONELLA POLLURUM AND NEWCASTLE DISEASE TEST (ANIMAL HEALTH STATUS MONITORING AT DA PREC-SUAL)



3. Regional Crop Protection Center (RCPC)

Plant Pest Diagnosis

- 626 samples were diagnosed for plant pest composed of 38 Virology, 109 Bacteriology, 164 Mycology and 315 Entomology. Majority of samples diagnosed. The top three (3) commodities diagnosed were corn, rice, and garlic

Pesticide Residue Analysis of Fruits and Vegetables thru Rapid Bioassay for Pesticide Residue (RBPR)

- 52 samples were diagnosed for pesticide residue levels of fruits and vegetables from trading posts and vegetable growers in the region where 99% out of the 597 collected vegetable samples had passed the RBPR analysis

Production of Biological Control Agents

- 26,643 packs of *Metharhizium anisoplae* were produced distributing 25,490 packs to 1,275 recipients
- 133,700 *Trichogramma* cards produced distributing 78,000 cards for the control of Fall Army Worm (FAW) in corn serving 780 farmers
- 3,948 colonies of earwigf produced distributing 3,348 cards to 670 farmer-beneficiaries
- 2,644 bottles of Nucleopolyhedrosis Virus (NTVB) produced and provided to 528 farmers from the onion and corn growing areas of Region I



4. Regional Soils Laboratory

Soil Analysis

- 2,379 soil samples were analyzed for available organic matter, phosphorus, potassium and micronutrients (Zinc, Copper, Manganese, Iron) .

Fertilizer Analysis

- 156 samples were analyzed for fertilizer analysis

Water Analysis

- 60 samples analyzed that were collected from irrigation (SWIP) system of various municipalities in Pangasinan and Ilocos Norte with water pH level range from 6.62 to 9.02. Meanwhile, the conductivity or salinity of these samples range from 0.13 to 3.68 mS/cm indicating that the irrigation water is suitable for agricultural use.

Regulatory Division

Registration and Licensing

- 188 applicants of poultry and livestock transport carrier accreditation were endorsed the Bureau of Animal Industry-Animal Health and Welfare Division
- 25 researches/studies using laboratory animal were endorsed to the BAI for the issuance of animal research permits
- 24 new and 115 renew licenses of Veterinary Drugs and Products (VDAP) were endorsed to the BAI-Veterinary Drugs and Biologics Control Division for registrations/License to Operate
- 36 new feed establishments were endorsed to BAI for Certificate of Registration
- 547 renewals of feed establishments were endorsed to BAI for operation , to wit:
 - 2 toll feed manufacturers
 - 6 commercial feed manufacturers
 - 2 non-commercial feed manufacturers
 - 2 feed ingredient manufacturer
 - 2 feed ingredient suppliers
 - 38 feed distributors
 - 495 feed retailers
- 223 applicants were evaluated, inspected and endorsed to BAI-Animal Health and Welfare Division for Registration Certificate of Livestock, Poultry and Livestock Handlers
- 4 pet shops, 8 veterinary clinics, 32 commercial farms, and 4 grooming facilities were endorsed to BAI for registration and accreditation

- 50 farms were evaluated for application of certification as Good Agricultural Practices (GAP) farms

Quality Control and Licensing

- 1,132 monitoring of feed establishments through routine inspection and collection of feed samples were done to ensure compliance with the rules and regulations as prescribed under the IRR of RA 1556
- 613 monitoring and inspection of Veterinary Drugs and Products Outlets (VDAP)
- 109 inspection of animal facilities were done to ensure compliance with the rules and regulations as prescribed under the IRR of RA 8485
- 1,287 feed samples were collected from the different feed establishments for

laboratory analysis to test the quality assurance of feed and feed ingredients being sold in the market.

- 263 corn samples– grits, cracked and whole were collected and submitted for aflatoxin analysis
- One multi-commodity quarantine checkpoint maintained at Carmen, Rosales, Pangasinan for the inspection and monitoring of crops, livestock and fisheries that are being shipped-in and shipped-out in the region with 1,457 vehicles flagged down
- 55 and 353 ASF-affected municipalities and barangays, respectively, were assisted with 6,061 swine farmers benefited and 41,765 heads of swine culled
- Conducted surveillance and monitoring such as early detection of pest, delimiting the spread of pests, and improving pest management



Support to Operations

The Planning, Monitoring and Evaluation Division (PMED), in cooperation with the Philippine Rural Development Project (PRDP) I-PLAN Component, conducted the Fiscal Year (FY) 2022 Joint Planning Workshop with Provincial and Municipal Local Government Units (LGUs) and Other Agencies in Region 1 during the 4th quarter of 2020.

This activity marks a timely and pivotal moment in the way of doing things, as far as planning and budgeting processes is concerned, because it addresses the following themes:

- The increasing role of the LGUs in ensuring food security in response to the COVID-19 pandemic;
- The Mandanas ruling on expanding the budget of LGUs to take effect in 2022; and
- The institutionalization of PRDP I-PLAN's Provincial Commodity Investment Plan (PCIP), and strategic planning tools and processes.

The said activity was subdivided in a series of eight (8) workshops which was grouped by

This was facilitated by the DA Region 1 Operating Units (PMED, PRDP-IPLAN, RAED, AMAD, HVCDP, Rice, Corn, Livestock, Fisheries, Halal, and OAP), and participated by PLGUs, MLGUs, Stakeholders (Farmers, Traders, Processors, Consolidators, Retailers, Associations, and Cooperatives), and concerned agencies (ATI, DTI, DOST, BFAR, DPWH, TESDA). This holistic approach was patterned with the PRDP I-PLAN's consultative measures to generate insights from industry key players.

Participants were warmly welcomed by the Regional Technical Directors (RTDs), Ms. Erlinda F. Manipon (RTD for Operations) and Ms. Jovita M. Datuin, Ph.D. (RTD for Research and Regulations), by reminding them the significance of catalytic and responsive planning processes to address the needs of our farmer and fisherfolk clientele.

They were also graced by the presence of the OIC - Regional Executive Director, Mr. Nestor D. Domenden, CESO IV, who imparted

Cluster	Date	Venue	Team Leader
La Union: District 1	10-11 Nov. 2020	Hotel Ariana, Bauang, La Union	Roosevelt B. Peralta
La Union: District 2	11-12 Nov. 2020		
Pangasinan: District 1 & 2	18-19 Nov. 2020	The Monarch Hotel, Calasiao, Pangasinan	Mildred F. Rapanut
Pangasinan: District 3 & 4	19-20 Nov. 2020		
Pangasinan: District 5 & 6	24-25 Nov. 2020		
Ilocos Norte: District 1	25 Nov. 2020	Northview Hotel, Laoag City, Ilocos Norte	Milagros G. Dela Rosa
Ilocos Norte: District 2	3 Dec. 2020	DA-RFO1, San Fernando City, La Union (Virtual)	
Ilocos Sur: District 1	1-2 Dec. 2020	Hotelinda Suites, Vigan City, Ilocos Sur	Irene P. Tactac
Ilocos Sur: District 2	2-3 Dec. 2020		



them with an inspiring message on the realization of the region's potential through the adequate interventions aimed at the agriculture sector.

PMED chief, Ms. Doris Joy C. Garcia, provided an overview of the activity, citing the objectives of preparing the local investment program and annual plan and budget supportive of the DA Policy Framework, Strategic Directions, and Thrusts and Priorities at the regional and national levels.

Respective Team Leaders (Mr. Roosevelt Peralta, Ms. Irene P. Tactac, Ms. Milagros Dela Rosa, and Ms. Mildred F. Rapanut) also presented the workshop mechanics prior to the presentation of DA Operating Units' strategic directions and priority areas as bases for their outputs.

The Information Management Section, under the supervision of Mr. Deo G. Rivera, introduced an innovative system of consolidating the workshop outputs by employing the use of Google-sheets which allows for asynchronous inputting of data by the participants. During the workshop,

a dashboard was also flashed in the screen showing a real-time summary of outputs per municipality, number of interventions, amounts, banners, and value chain segment. Consolidated report is organized, real-time, accessible to Google account users, internet-generated, and user-friendly.

Deadlines and agreements were discussed during the outro. Outputs were also refined and reconciled by the DA Region 1 Operating Units prior to the submission to the Central Office. Out of all the regions, Ilocos Region was among the first to successfully conduct the activity and submit their outputs.

In spite of the pandemic, Ilocos Region has successfully conducted these face-to-face activities (with the exception of Ilocos Norte District 2 which was conducted virtually) by adopting a strategic clustering scheme in compliance with the DA Service Continuity Guidelines which prescribes limiting the number of participants to fifty percent (50%) of the total capacity of hotels, and diligently adhering to minimum health protocols by the respective LGUs where the activities were conducted.



A close-up photograph of a person's hand holding a large, dense bundle of harvested rice stalks. The stalks are a mix of green and golden-brown, indicating they are freshly harvested. The background is a blurred field with other people working, suggesting a rural agricultural setting.

PART 3

Special/Other programs
and projects



2020

PRDP ANNUAL REPORT



PHILIPPINE RURAL DEVELOPMENT PROJECT



Enterprise Component

For most cases, the Corona Virus Disease 2019 (COVID-19) pandemic brought bad business to local farmers as access to market and transportation became a struggle due to the strict implementation of the enhanced community quarantine in the metro and provinces.

However, some fortunate farmer organizations which received enterprise subprojects from the Philippine Rural Development Project are able to make an opportunity from the crisis situation.

In Pasuquin, Ilocos Norte, the Pasuquin Onion Growers Agricultural Cooperative

(POGAC) benefitted from the restrictions on transportation imposed to prevent the spread of the virus. The tight security and monitoring of persons and goods crossing from border



to border prevented the influx of smuggled onion in Ilocos Norte and gave an opportunity for POGAC to dominate local markets and gain significant profit margins in selling onions. Likewise, a total of 17.136 kg of red creole onion amounting to Php 822,528 was linked to the Vegetable Importer Exporter Vendors Association (VIEVA), Philippines.

The POGAC is a recipient of a Php3.03 million onion enterprise from the PRDP in 2017 and is scheduled to sell its onion produce to established market outlets outside Ilocos Norte.

In a similar manner, the pandemic did not hamper the continued levelling up of the peanut enterprise of the Conconig East Farmers Multi-purpose Cooperative in Sta. Lucia, Ilocos Sur.

Despite the adverse impact of the pandemic to small businesses, the CEFMPC exceeded its target sales, target jobs generated, and constructed a new three-storey storage building. The CEFMPC partnered with the Municipal Local Government to supply the

planting materials of peanut farmers within the area. Also, offering cheaper and more flexible payment terms, local peanut farmers now prefer availing input materials from the Cooperative than from local traders.

The excess in sales and jobs generated are gauged during the Rapid Appraisal of Emerging Benefits conducted by the Luzon A Project Support Office and the Regional Project Coordination Office where a 36.5% increase in average household income or from Php89,519.92 to Php121,171.44 was recorded.

The Ilocos Region Enterprise Component has a total portfolio of 66 subprojects worth Php145 million. It remained as the top performing I-REAP Component in North Luzon Cluster based on physical progress which was recognized during the Cluster General Assembly on January 29-31, 2020. With the approval of the Second Additional Financing of the PRDP in 2021, the enterprise portfolio of the region is expected to increase in terms of number and cost.

Infrastructure Component

Although originally targeted as tools to increase the income of farmer beneficiaries, several infrastructure facilities funded by the PRDP were utilized by local government units in containing the spread of the COVID-19 pandemic.

The Municipal Warehouse with Multi-purpose Drying Pavement in Manaoag, Pangasinan, for instance, was used to store

food supplies for areas under lockdown. In compliance to national regulations, Manaoag employed localized lockdowns in barangays where surge in COVID-19 cases was recorded and thus, needed to supply food for residents who are not allowed to go outside their respective homes.

The Php10.4 million Manaoag Warehouse has an area of 477.5 square meters and can

accommodate 16,000 kilos of rice while the MPDP measures 600 square meters.

In Sto. Domingo, Ilocos Sur, the Php9.3 million Municipal Warehouse funded by the PRDP was used as quarantine facility for returning residents. The warehouse measures 350 square meters and has an adjacent 1,000-square meter drying pavement.

The use of the infrastructure facilities funded by the PRDP which was utilized in local governments' actions to combat and fight the pandemic adhered with the objective of the project to build modern and climate-smart subprojects.

Meanwhile, in the Province of La Union, the Construction of Malicnao Bridge was accomplished within schedule in spite of the restrictions experienced due to the pandemic.

The Php38-million bridge measures 56 linear meters and is the second completed infrastructure subproject of the Province of La Union under the PRDP. The bridge subproject was recognized by the North Luzon Cluster for having been completed within schedule, in contrast to subprojects incurring delays.

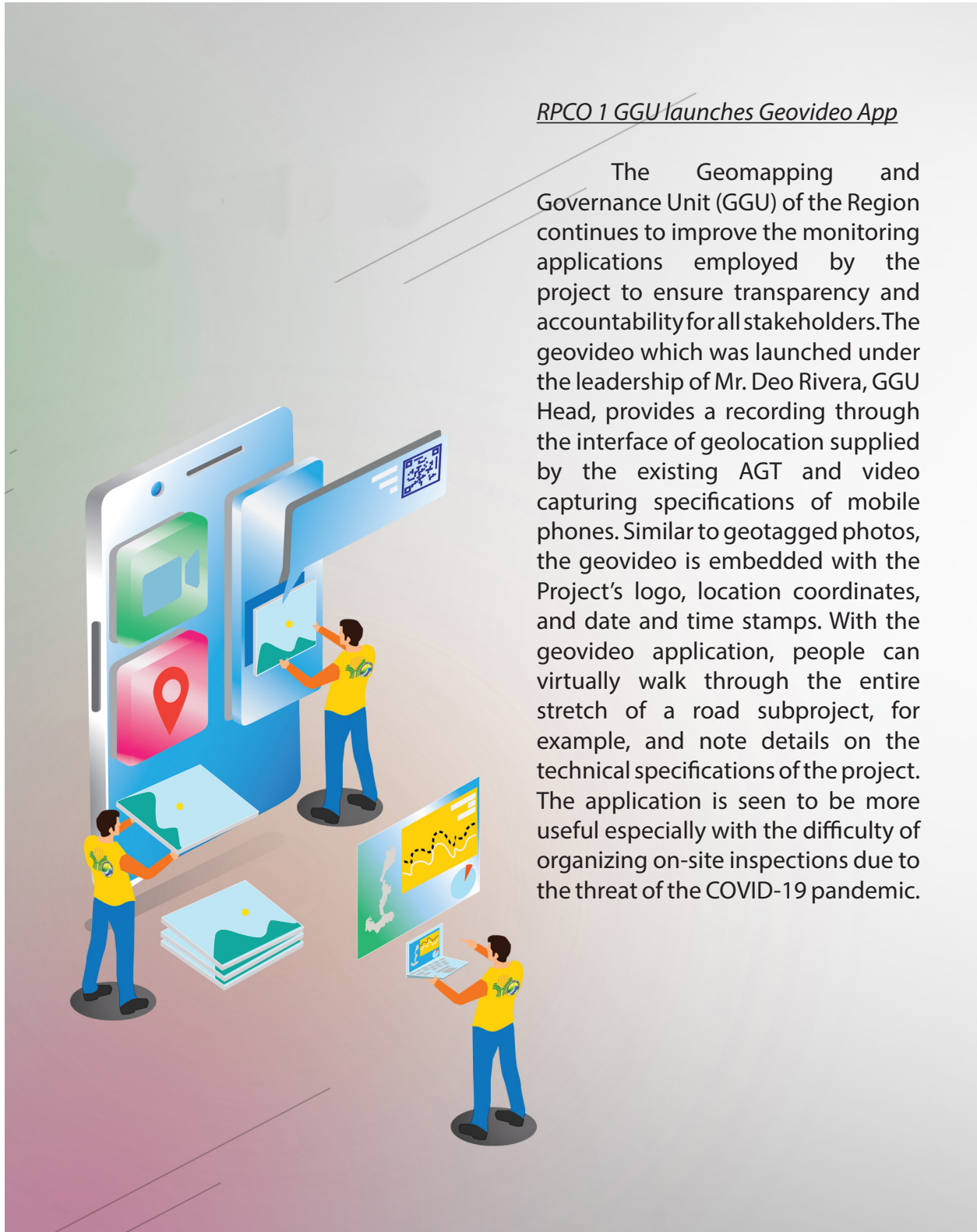
The Infrastructure Component of the Ilocos Region has a portfolio of 51 subprojects worth Php2.9 billion pesos. In 2020, several infrastructure subprojects were added to the Region's portfolio including the Php200-million Construction of Provincial Bangus Breeding and Hatchery in Pangasinan, Construction of Provincial Warehouses in Pangasinan, and Establishment of Greenhouses for the Production of Off-Season Tomatoes in Ilocos Norte.



Highlights from Support Units

RPCO 1 GGU launches Geovideo App

The Geomapping and Governance Unit (GGU) of the Region continues to improve the monitoring applications employed by the project to ensure transparency and accountability for all stakeholders. The geovideo which was launched under the leadership of Mr. Deo Rivera, GGU Head, provides a recording through the interface of geolocation supplied by the existing AGT and video capturing specifications of mobile phones. Similar to geotagged photos, the geovideo is embedded with the Project's logo, location coordinates, and date and time stamps. With the geovideo application, people can virtually walk through the entire stretch of a road subproject, for example, and note details on the technical specifications of the project. The application is seen to be more useful especially with the difficulty of organizing on-site inspections due to the threat of the COVID-19 pandemic.





Paoay, IN LGU helps ease tax burden of PAPs

The Social and Environmental Safeguards Unit of the Project commends the Municipality of Paoay, Ilocos Norte for helping ease tax burdens of project affected persons (PAPs) of the Rehabilitation of Nalasin-Sungadan-Langiden Farm to Market Road.

PAPs are persons or individuals whose property, business, or livelihoods have been affected by the infrastructure funded by the PRDP. Driven by its desire to give back to the people who donated a portion of their

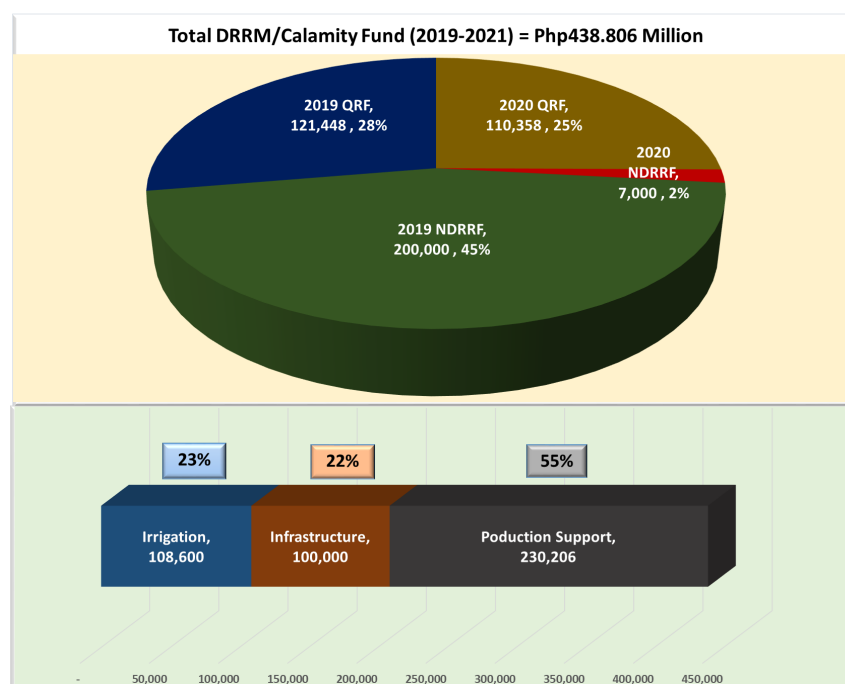
lots to give way to the project, LGU Paoay facilitated the annotation of the titles of the affected properties and thus, reducing the real property tax paid by the PAPs.

Paoay LGU's good practice is now being replicated in other PRDP FMR projects. Mr. James Galano, PRDP Focal Person in Paoay LGU, the key to replicating the practice is an honest to goodness consultation with the people and emphasis on the benefits in the long run.

DISASTER RISK REDUCTION AND MANAGEMENT REHABILITATION AND RECOVERY PROJECTS

From CY 2019-2020, a total of PhP438.81 Million worth of infrastructure projects and production support services was funded under the National Disaster Risk Reduction Fund (NDRRF) and the Quick Response Fund (QRF) of the DA.

Of the total fund, 45% or PhP200 Million was sourced out from NDRRF which is allocated for irrigation and infrastructure projects. A total of PhP231.806 Million was sourced out from the QRF of DA. Bulk of the total fund was allotted for production support services such as provision seeds and other inputs, livestock stocks, drugs and biologics, and indemnification for African Swine Fever (ASF)-affected raisers.



P/P/A	Financial (PhP '000)					
	Allocation	Obligation	%Obligation	Disbursement	%Disbursement	
					vs. Alloc	vs. Oblig
1. Typhoon Ompong Rehab and Recovery Fund (SARO-E-20-0000156)	200,000.00	136,994.36	68.50	52,998.27	38.69	26.50
2. Typhoon Ineng Rehabilitation and Recovery Fund (ASA-2019-00135)	121,448.00	121,061.35	99.68	114,047.33	94.21	93.91
3. Fall Army Worm (ASA-2020-000111)	8,083.00	8,009.22	99.08	8,009.22	99.08	99.08
4. ASF Indemnification (SARO-BMB-E-20-00027705, ASA No. 2020-0126, 0174,000244,000274,000487)	109,275.00	109,275.00	100.00	109,200.00	99.93	99.93
Total	438,806	375,339.93	85.54	284,254.82	64.78	75.73

Breakdown of the total fund is as follows:

- Typhoon Ompong Rehabilitation and Recovery Projects—PhP200 Million;
- Typhoon Ineng Rehabilitation and Recovery Projects—PhP121.448 Million;
- Fall Army Worm—PhP8.038 Million; and
- Indemnification for ASF-affected raisers—PhP109.275 Million.

P/P/A	Performance Indicator	Physical			Remarks
Typhoon Ompong Rehab and Recovery Fund					
a) Small Scale Irrigation Projects (SSIPs)	No. of projects constructed	28	14	50	1 unit suspended/13 units on-going
b) Infrastructure and production facilities	No. of projects constructed	20	4	20	2 units- for obligation (Veterinary Laboratory and Organic Goat House in INREC-Dingras, Ilocos Norte) 13 units on-going construction 1 unit for approval of resolution by the CTRC (Rehab of Duplex Roofing, INREC Dingras)
Typhoon Ineng Rehabilitation and Recovery Fund					
a) Rehabilitation of SSIPs	No. of projects constructed	6	3	50	2 units on-going; 1 unit fund transferred to INREC-Batac City with approved suspension order
b) Provision of palay seeds	Area served (ha)	4,060	4,575	113	
c) Provision of soil ameliorants	No. of packs provided (4kgs/ pack)	4,060	4,060	100	
d) Provision of vegetable seeds	No. of seeds distributed (kg)	1,030	1,274	124	Savings generated from procurement was utilized for additional seeds
e) Provision of livelihood projects	No. of stocks distributed			91	
f) Distribution of drugs and biologics	Quantity of drugs and biologics distributed (doses)			100	

P/P/A	Performance Indicator	Physical			Remarks
		Target	Accomp	%Accomp	
Fall Army Worm					
1. Procurement of Pheromonelure	No. of Pheromonelure procured	4,435	4,435	100	Completed
2. Procurement of Insecticides					
a) Organic insecticides					
- Botanical	Quantity of botanical procured (bottle)	1,655	1,655	100	
- Microbial (Bacillus sp.)	Quantity of microbial procured (bottle)	400	400	100	
b) Synthetic insecticides					
- Spinetoram	Quantity of Spinetoram procured (bottle)	430	430	100	
- Tetraniliprole	Quantity of Tetraniliprole procured (bottle)	430	430	100	
- Chlorfluazon	Quantity of Chlorfluazon procured (bottle)	1,178	1,178	100	
Indemnification					
SARO-BMB-E-20-0027705	no. of heads indemnified	1,400	1,400	100	Completed
	no. of heads beneficiaries	327	327	100	
ASA No. 2020-0126	no. of heads indemnified	4,447	4,447	100	
	no. of heads beneficiaries	583	583	100	
ASA No. 2020-0174	no. of heads indemnified	1,374	1,374	100	
	no. of heads beneficiaries	164	164	100	
ASA No. 2020-000244	no. of heads indemnified	3,385	3,385	100	
	no. of heads beneficiaries	417	417	100	
ASA No. ASA 2020-000274	no. of heads indemnified	2,911	2,911	100	
	no. of heads beneficiaries	384	384	100	
ASA No. 2020-000487	no. of heads indemnified	8,338	8,323	99.82	
	no. of heads beneficiaries	1,230	1,230	100	





QUALITY MANAGEMENT SYSTEM (QMS)/ISO 9001:2015 IMPLEMENTATION AND MAINTENANCE

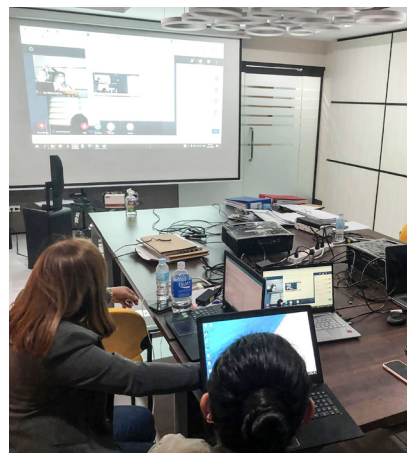
This year, the DA-RFO 1 successfully maintains its ISO-9001:2015 Certification.

The two-day hurdle of providing documented evidences to prove its compliance to the ISO-9001:2015 standards ended successfully for DA RFO I as it passed the 2nd Surveillance Audit with not a single non-conformity finding from the auditors.

Lead Auditor Mr. Renato Madird, Jr. of the Certification International Philippines, happily recommended the continuous certification to ISO 9001:2015..

Together with his support auditor Mr. Arnel Intatano, both auditors conducted the virtual audit for DA-RFO I's Quality Management System focusing on thirteen (13) selected





areas for audit.

Areas audited were the Context of the Organization and actions to address risk and opportunities, Procurement, Regulatory Division, Customer Satisfaction and Feedback Handling, Management Review, Agricultural Engineering Division, Internal Audit, Non-Conformity and Corrective Action, Competence and Awareness, Integrated Laboratories Division, Internal and External Issues, Needs and Expectations of Interested Parties, Review of Internal Audit Results,

Field Operations Division, and Research and Development.

During the Opening meeting prior to the audit, DA RFO I OIC-Regional Executive Director Nestor D. Domenden thanked the entire DA RFO I team for their efforts put into making sure that the 2nd Surveillance Audit will yield positive result for the organization.

The DA RFO I obtained its ISO 9001:2015 in January 18, 2019.

DA-RFO 1 Key Officials

Nestor D. Domenden

OIC, Regional Executive Director

Erlinda F. Manipon

OIC, RTD for Operations

Jovita M. Datuin

OIC, RTD for Research and Regulations

Joel G. Maconocido

Chief, Administrative and Finance Division

Doris Joy G. Garcia

Chief, Planning, Monitoring, and Evaluation Division

Florentino A. Adame

Chief, Field Operations Division

Annie Q. Bares

Chief, Regulatory Division

Wilhelmina P. Castañeda

Chief, Agribusiness and Marketing Assistance Division

Dennis I. Tactac

Chief, Regional Agricultural Engineering Division

Consuelo N. Belarmino

Chief, Research Division

Gilbert D. Rabara

Chief, Integrated Laboratories Division

REGULAR MEMBERS**Ms. Rosario Segundina P. Gaerlan**

OIC-Regional Director

Bureau of Fisheries and Aquatic Resources
San Fernando City, La Union

Robert Victor G. Seares, Jr.

Administrator

National Tobacco Administration (NTA)
Panay Ave., Cor. Scout Reyes St., Quezon City

Mr. Giovanni B. Palabay

Branch Manager

National Tobacco Administration
Payocpoc, Bauang, La Union

Ms. Vilma C. Gagni

Center Director

Philippine Carabao Center-La Union
Nagtagaan, Rosario, La Union

Ms. Grace Marjorie R. Recta

Center Director

Philippine Carabao Center-Ilocos Norte
Batac City, Ilocos Norte

Ms. Hazel Jane M. Orge

OIC- Branch Director

PhilRice
Batac City, Ilocos Norte

Mr. Raul A. Servito

OIC-Regional Manager

Phil. Crop Insurance Corporation (PCIC)
Urdaneta City, Pangasinan

Dir. Mildred A. Saligan

Regional Technical Director

National Meat Inspection Service
Urdaneta City, Pangasinan

Mr. Rogelio C. Evangelista

Center Director

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