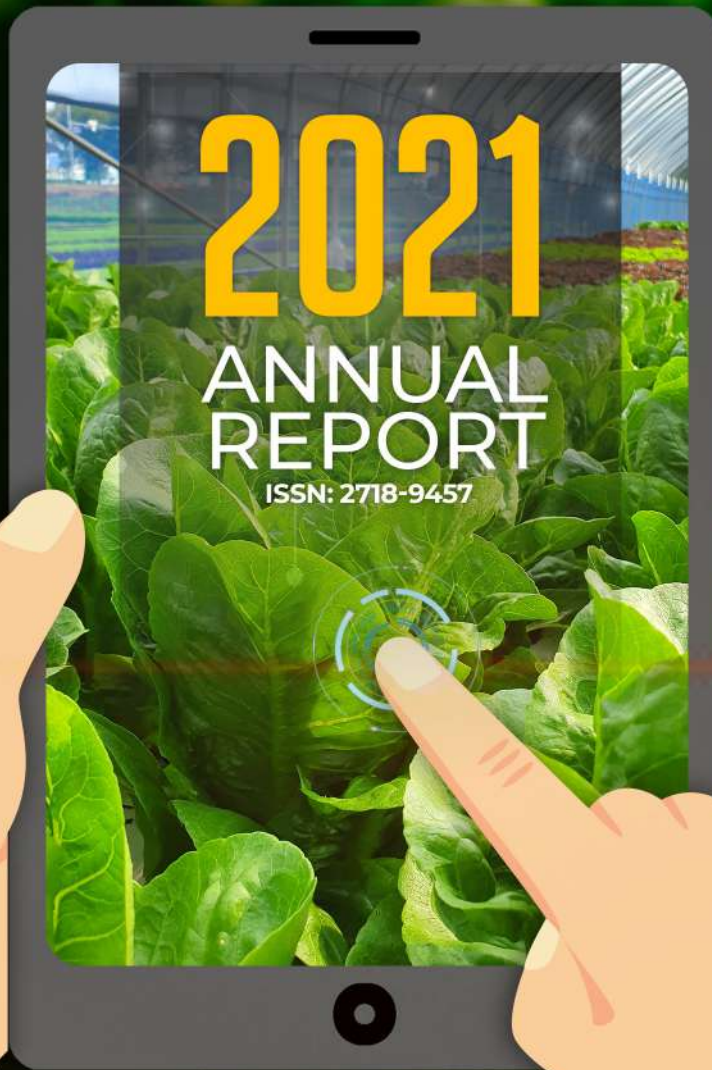




**AGRICULTURAL TRAINING INSTITUTE  
REGIONAL TRAINING CENTER III  
SAN RAMON, DINALUPIHAN, BATAAN**

# DIGITALIZATION OF AGRICULTURE



**SHAPING CENTRAL LUZON'S DIGITAL FUTURE**

## ABOUT THE COVER

*In 2021, the agriculture sector has continued its march to the digital future. With the pandemic affecting the said sector and access to food, the center has fully embraced the digitalization of agriculture to help the farmers and fishers in the region.*

*Maximizing the digital platform, ATI-Central Luzon continued its implementation of the Digital Farmers Program (DFP) among farmers and youth in each province of Central Luzon. In addition, the Digital Agriculture Course was launched among rice farmers in the region. The said projects consist of a ladderized approach in teaching small—scale farmers nationwide with basic digital tools and technologies, particularly social media.*

*Further, the center launched the iAgri TV series featuring on-demand topics and latest agricultural technologies. The episodes are aired every month through ATI-Central Luzon’s Facebook Page to reach a wider audience.*

*With the rise of digital technologies, ATI-Central Luzon continued to innovate to pursue its main goal as the capacity builder and catalyst of the agricultural extension system in the region.*

*Cover Design:  
Kent Edward S. Ballesteros*

*This Annual Report was prepared and submitted by the Information Services Section from the reports submitted by the different sections of ATI-RTC III.*



## DIGITALIZATION OF AGRICULTURE: SHAPING CENTRAL LUZON'S DIGITAL FUTURE AGRICULTURAL TRAINING INSTITUTE - REGIONAL TRAINING CENTER III 2021 ANNUAL REPORT

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Annually published by  
Department of Agriculture - Agricultural Training Institute  
Regional Training Center III  
San Ramon, Dinalupihan, Bataan 2110  
<http://ati.da.gov.ph/ati-3/>

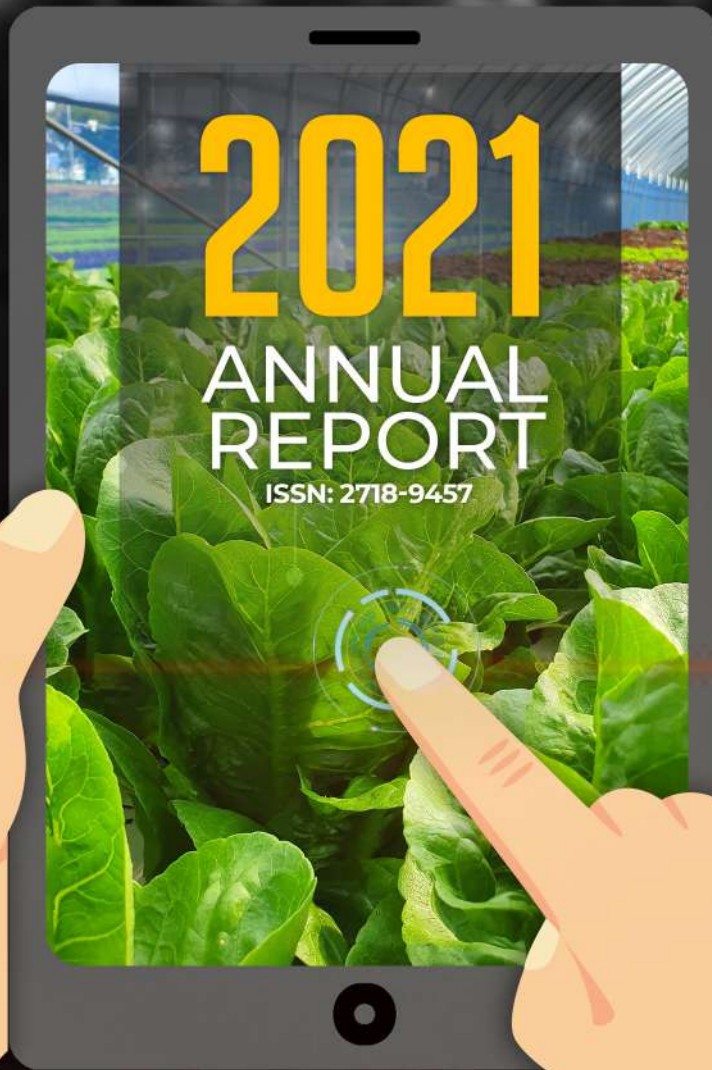
Printed in the Philippines

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**AGRICULTURAL TRAINING INSTITUTE  
REGIONAL TRAINING CENTER III  
SAN RAMON, DINALUPIHAN, BATAAN**

# DIGITALIZATION OF AGRICULTURE



**SHAPING CENTRAL LUZON'S DIGITAL FUTURE**

THE  
**OIC-CENTER**  
**DIRECTOR'S** DESK



  
**MARIO A. LAPITAN**  
OIC-CENTER DIRECTOR

Dear Associates,

As the region is continuously coping with the effects of the pandemic, ATI-Central Luzon has learned to step up its game plan for 2021. With the rise of the digital platform, the center gladly embraced the situation and found ways to innovate and develop strategies to further help our farmers and fishers in the region.

The center continued to maximize the use of online platforms in the conduct of training activities and seminars. One could not go on the day without hearing the word “webinar.”

With this, apart from the usual training activities, projects like the Digital Farmers Program and the Digital Agriculture Course have been crafted to further enhance the skills of the farmers and agricultural extension workers. These programs involve a ladderized approach in teaching small-scale farmers nationwide with basic digital tools and technologies, particularly social media.

The center has also intensified the campaign of the e-Learning program through the partnership of the State Colleges and Universities (SUCs) in each province in Central Luzon. Since 2007, e-Learning has been serving as ATI’s platform to offer alternative means of acquiring new knowledge and skills on agriculture and fisheries.

The program offers courses on different topics ranging from crops, social technology, livestock & poultry, sustainable agriculture, and fisheries.

Further, ATI-Central Luzon has launched the iAgri TV Series in 2021 to further reach our constituents, stakeholders, partners and clients through the airing of agriculture related webinars. It is the center’s monthly webinar series that features on demand topics in agriculture. The program also aims to help introduce the latest trends and technologies on high value crops and other agriculture commodities.

We would not make it this far without the passion and perseverance of each staff of ATI-Central Luzon. Throughout the year, they have dedicated their time and exerted effort in every activity that they implement. I would also like to thank our partners for staying by our side and being our support in helping farmers and extension workers in the region.

As the capacity builder and catalyst of the agriculture extension system, the center continued to explore possible innovations and strategies to achieve its goals bearing in mind the challenges brought by the pandemic. With this report, I hope it will encourage you to become a catalyst of development in your respective communities.

Cheers to another year of bringing agriculture towards the digital future!

## VISION

Food availability and affordability for every Filipino family through excellent extension services in agriculture and fisheries.

## MISSION

Empowerment and building capacities of agriculture and fisheries stakeholders for sustainable development.

## QUALITY POLICY

The ATI, as the orchestrator of the National Extension System, ensures harmonized management of agricultural and fishery extension delivery systems in empowering the farmers and fisherfolk for food security, poverty alleviation and social equity for sustainable development.

## CORE VALUES

### Customer Focus

"We give the best."

### Commitment

"We serve with passion."

### Innovation and Excellence

"We keep raising the bar."

### Resource Stewardship

"We work with integrity and teamwork."

EXCELLENT  
EXTENSION  
*Services*  
BEYOND  
BOUNDARIES



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# THEMATIC LEARN



*Strengthening*  
COMPETENCY AND COMPETITIVENESS  
*through*  
CAPABILITY BUILDING



As the capacity builder and catalyst of the extension system, the Agricultural Training Institute in Central Luzon (ATI-CL) has been implementing quality training activities to help develop the skills and knowledge of the stakeholders, agricultural extension workers (AEWs), farmers, and fishers in the region.





## Regular

The following are the activities under the Regular Program in 2021:

- Seven (7) batches of e-Know-Vation 2021: An e-Learning Orientation via Google Meet from February to December 2021

The Agricultural Training Institute – Central Luzon (ATI-CL) partnered with seven (7) State Universities and Colleges (SUCs) in each province in Central Luzon in the implementation of e-Learning orientation among 100 students per SUC through a webinar. The said SUCs and schedule are as follows:

- Tarlac Agricultural University (TAU) – Tarlac on February 23, 2021;
- Pampanga State Agricultural University (PSAU) – Pampanga on February 24, 2021;
- Central Luzon State University (CLSU) – Nueva Ecija on April 13, 2021;
- President Ramon Magsaysay State University (PRMSU) – Zambales on May 20, 2021;
- Bataan Peninsula State University (BPSU) – Bataan on August 20, 2021;
- Aurora State College of Technology (ASCOT) – Aurora on November 4, 2021; and
- Bulacan Agricultural State College (BASC) – Bulacan on December 3, 2021.



means of acquiring new knowledge and skills on agriculture and fisheries since 2007.

e-Learning also offers courses on different topics ranging from crops, social technology, livestock & poultry, sustainable agriculture, and fisheries. After finishing a course, the online user will immediately receive a certificate.

- Ladderized Course on Agro-Entrepreneurship: Training on Vegetable Production and Backyard Itik Production for Farm Families (PHASE I) in San Clemente, Tarlac on March 16-18, 2021 with 15 farmers as participants;
- Two (2) batches of Ladderized Course on Agro-Entrepreneurship Phase II: Financial Literacy Cum Business Planning in Palayan City, Nueva Ecija and Abucay, Bataan on May 18-20, 2021; and May

The activity maximized the use of Information, Communication, and Education (ICT) materials such as desktops, laptops, and smartphones in learning different agricultural technologies and rural development in a web-based platform at any pace, any place, and any time.

The students finished three (3) e-Learning courses: the Basic Urban Gardening course to promote the production of food at their respective homes, one (1) social technology course, one (1) course of their choice to complete the activity.

e-Learning has been a component of the Agricultural Training Institute's e-Extension Program for Agriculture and Fisheries. It has been serving ATI's platform to offer alternative



17-19, 2021, respectively, among 15 participants each batch;

- Agricultural Training Institute- Regional Training Center III Staff Learning & Development Program: The Seven (7) Habits of Highly Effective People via Google Meet on May 24-25, 2021 among 50 participants;
- Kitang Wow na Wow sa Sibuyas ng Anao: Training on Bulb Onion Production (Training on Food Production Technology) in Anao, Tarlac on May 25-27, 2021 with 15 farmers as participants;
- Training Course on Farm Machineries Basic Operation, Maintenance and Troubleshooting (Training Course on Integrated Food Production System) in Sta. Ana, Pampanga on May 26-28, 2021 among 15 farmer-participants;
- Two (2) batches of Training Course on Integrated Diversified Organic Farming System (IDOFS) and Financial Literacy for The Young Farmers of Central Luzon with Extension Support (Training on Branding and Packaging for selected 4-H Club members of Central Luzon with extension support) via Google Meet on May 26-28, 2021 and October 20-22, 2021 with 20 participants each batch;
- Training Course on Free Range Chicken Production in Anao, Tarlac on June 2-4, 2021 with 15 farmers as participants;
- Training Course on Vegetable Production (Training Course on Ecological Farming System) in Iba, Zambales on June 8-10, 2021 with 15 farmers as participants;
- Training Course on Backyard Vegetable Production for the Farmer Leaders of Aurora (Training Course on Integrated Food Production System) in San Luis, Aurora on June 21-23, 2021 with 15 farmers as participants;
- HOME GUARDening for a Healthy Living in Brgy. Niugan, Malolos City, Bulacan

on June 21-23, 2021 with 15 farmers as participants;

- Training Course on Onion Production Technology with emphasis on Biological Control Agents (BCA)-and Good Agricultural Practices (GAP) (Training Course on Value Adding on Farm Products in support to GAD) in Bongabon, Nueva Ecija on July 27-29, 2021 among 15 farmers as participants;
- Training Course on Natural Free Range Chicken Production and Vegetable Production (Training Course on Food Production System) in Pulilan, Bulacan on July 27-29, 2021 among 15 participants;
- One (1) batch of Extension Delivery System (Phase III): Project Development and Management via Google Meet on August 10-12, 2021 in Bulacan;
- Two (2) batches of Ladderized Training Course on Extension Delivery System (Phase I): Internalizing the World of Agricultural Extension via Google Meet on August 11-13, 2021 in Zambales; and August 24-26, 2021 in Bataan;
- Agriculture & Fishery Extension Network (HASIK 1st Semester Meeting (PAFEN)) on September 3, 2021 via Google Meet among 94 participants;
- Establishment of the Provincial Agriculture and Fishery Extension Network (PAFEN) in Nueva Ecija (AURAFEN 1st Semester Meeting (PAFEN)) via Google Meet on September 7, 2021 with 48 participants;
- Training on Nursery Establishment, Marketing and Financial Literacy for the Young Farmers of Central Luzon (Capability Enhancement For 4h Member) via Google Meet on October 13-15, 2021 with 20 participants;
- Training Course on Free Range Chicken Production and Financial Literacy for The Young Farmers of Central Luzon (Refresher Course on Free Range Chicken Production for selected 4-H Club members of Central Luzon with extension support) via Google Meet on October 13-15, 2021 with 20 participants;
- KABUTEhan para sa Kababaihan at KaBATAAN: Training Course on Oyster and Straw Mushroom Production under Gender and Development in Bataan via Google Meet on October 20-22, 2021 with 15 participants;
- Training Course on Micro-Gardening (Training on Micro-Gardening for the convergence project) in ATI-RTC III via Google Meet and Facebook Live on October 27-29, 2021 with 15 participants;
- Online training on Microgardening for PWDs via Google Meet & Facebook live on October 27-29, 2021 among 15 participants;
- Training on Mushroom Production for RIC Members via Google Meet on October 28-29, 2021 with 20 participants;
- AEW Summit (Consultation on PAFES and EO 138) cum Establishment of Provincial





- Training on Food Production Technology Cum Financial Literacy (BP2P) in Camiling, Tarlac on December 1-3, 2021 with 16 farmers as participants; and
- Training on Food Safety, Current Good Manufacturing Practices, Packaging and Marketing for the Young Farmers of Central Luzon (With Extension Support) via Google Meet on December 8-10, 2021 with 20 participants.

(online and face-to-face activity in 4 cluster locations in Tarlac) on June 21-24, 2021 with 15 participants;

- Key to Boost Rural Income: Training on Corn-Livestock Integration and Post-Harvest Technologies (Training of Trainers) via Google Meet on November 15-19, 2021 with 15 Agricultural Extension Workers (AEWs) as participants; and
- Two (2) batches of Key to Boost Rural Income: Training on Corn-Livestock Integration and Post-Harvest Technologies with Extension Support in Pura, Tarlac and Lubao, Pampanga on December 6-8, 2021; and December 8-10, 2021, respectively, with 15 farmers as participants per batch.

## Corn Program

Under the corn program, the following are the training activities conducted in 2021:

- Two (2) batches of Food System Concepts: Increasing Productivity Through Integrated and Diversified Corn-Based Farming with Extension Support in Dingalan, Aurora and Lupao, Nueva Ecija on June 22-23, 2021 with 16 participants; and June 14-15, 2021 with 15 participants, respectively;
- Farmers' Scientist Training Program-Phase 1: Values Formation, Research Exposure & Technical Empowerment in Castillejos, Zambales on June 14-December 10, 2021 with 36 farmers as participants;
- Training of Trainers on Fall Army Worm (FAW) Management via blended training

## Organic Agriculture Program

For the Organic Agriculture (OA) Program, the Center conducted the following activities in 2021:

- Four (4) batches of Capacity Enhancement on the Composting Facilities for Biodegradable Waste via Google Meet on March 23-25, 2021 with 22 participants; December 9-10, 2021 with 21 participants; December 9-10, 2021 with 20 participants; and December 9-10, 2021 with 16 participants;

- OA Technician Step Up: Refresher Course on Organic Agriculture Production via Google Meet on April 21-23, 2021 with 20 participants;
- Information Caravan on Organic Agriculture Webinar Series via Google Meet and Facebook Live on May 26, 2021 with 350 participants;
- Training Course on Organic Vegetable Production and Free-Range Chicken Production in Botolan, Zambales on June 15-17, 2021 with 20 participants;
- Seminar on Natural Vegetable Farming in San Antonio, Zambales on June 22, 2021 with 20 participants;
- Two (2) batches of Organikong Paggugulay: Para sa Masaganang Ani at Mataas na Kita in City of San Jose Del Monte, Bulacan on July 28-30, 2021; and Pantabangan, Nueva Ecija on June 22, 2021; with 20 farmers as participants per batch;
- Training on Integrated Diversified Organic Farming System for AEWs of Region 3 (Training on IDOFS for AEWs of Pampanga) via Google Meet on June 23-25, 2021 with 19 AEWs as participants;
- Seminar Climate Resilient Vegetable Production in Casiguran, Aurora on August 5, 2021 with 20 farmers as participants
- Two (2) batches of Training Course on Natural Free-Range Chicken Production and Vegetable Production held via Google Meet and in Maria Aurora, Aurora on September 28-30, 2021 and August 17-19, 2021, respectively, with 20 farmers as participants each batch;
- Two (2) batches of Training on Organic Vegetable Production (Farmers' Field School on Organic Vegetable Production) in Iba, Zambales on November 18-19, 2021; and in San Ildefonso, Bulacan on November 3-4, 2021 with 20 farmers as participants per batch;
- Health is Wealth, Sa Panahon ng Pandemya: A Webinar in support to Organic Agriculture Month Celebration via Google Meet and Facebook Live on November 5, 2021 with 50 participants; and
- Training Course on Pigmented Organic Rice Production (Farmers' Field School on Organic Agriculture) in Sta. Ana, Pampanga on December 9-10, 2021 with 18 AEWs as participants.

## Rice Program

In 2021, the following are the activities under the Rice Program conducted by the center in the region:

- Seven (7) batches of Training on Digital Farmers Program (DF) 102;

The Center has strategically conducted seven (7) batches (DFP 101 & 102) in the region to





cater all provinces. In 2021, the seven (7) batches of DFP 102 were implemented from August 24 to September 24, 2021 via Google Meet to continuously provide digital literacy among farmers and youth in Central Luzon. Specifically, the schedule of implementation is as follows:

- August 24-25, 2021 among 20 participants from Bataan;
- August 26-27, 2021 among 20 participants from Zambales;
- August 30-31, 2021 among 20 participants from Aurora;
- September 1-2, 2021 among 20 participants from Bulacan;
- September 16-17, 2021 among 20 participants from Pampanga;
- September 21-22, 2021 among 20 participants from Nueva Ecija; and
- September 23-24, 2021 among 20 participants from Tarlac.

ATI-CL has also prioritized the LSA cooperators and Magsasaka Siyentista (MS) to take part in the program. Under the program, the senior farmers or LSA cooperators and their younger, more tech-savvy learning partners, undergone online training on basic digital tools and technologies, particularly social media, climate and weather monitoring applications, and e-farming, among others.

By partnering senior farmers with young people, preferably their children or a relative, the ATI-CL is optimistic that the program will encourage the youth to engage into farming.

Among the topics being discussed in the level two journey are the DFP lessons on advanced agri apps, advanced social media marketing, e-Commerce platform and introduction to Pay Maya.

As part of the program, the Center also conducted contests such as poster contest which the participants made using the Canva app.

DFP 102 is an instrument for the advancement of farming by transitioning transactions and promotions online especially the use of the modern technology in farmers present farming system.

The DFP is a project between the Agricultural Training Institute (DA-ATI) and SMART Communications, Inc. which consists of a ladderized approach in teaching small—scale farmers nationwide with basic digital tools and technologies, particularly social media.

The project aims to be a precursor to the Government’s goal on advancing the local industry’s adoption to more advance forms of technology in farming such as---the use of drones, analytics, precision farming, A.I., climate and weather monitoring I.T. solutions, digital apps, e-money, blockchain, and other multi-layer platforms---that would necessitate basic knowledge of emerging technologies and deeper comprehension of its potential by its end-users.

- Three (3) batches of Training Course on Climate Resilient Farm Business School (CRFBS) on March 8-17, 2021; June 7-17, 2021; November 8-26, 2021; with 57 participants for the said batches;

The Agricultural Training Institute-Central Luzon (ATI-CL), in partnership with Villar SIPAG Foundation, conducted three (3) batches of the 10-day training entitled Climate Resilient Farm Business School (CRFBS) on March 8-17, 2021; June 7-17, 2021; and November 8-26, 2021 in City of San Fernando, Pampanga with 57 participants for the said batches.

The said training aimed to equip the participants on different climate resilient technologies. Also, part of the module is the farming business aspect where the participants were taught on how the farmers will increase their income by treating their farm as a business.

The participants also visited Villar SIPAG Farm School in San Jose Del Monte, Bulacan and Diaspora Farm Resort, extension service provider of ATI-CL, in Bacolor, Pampanga to learn their climate resilient farming technologies and farming business strategies.

CRFBS is a regular training conducted by ATI in collaboration with Villar SIPAG Foundation which started in 2016.

- Two (2) batches of Farming as a Business for Rice Business Innovation System (BIS) Community in Castillejos, Zambales on April 26-30, 2021; and November 17-19, 2021; with 20 participants per batch;
- Four (4) batches of RiceTalks: A Technical Briefing on Rice Production Technology:
  - a. San Antonio, Zambales on April 28, 2021 with 20 participants;
  - b. Botolan, Zambales on May 5, 2021 with 20 participants;
  - c. Castillejos, Zambales on June 15, 2021 with 20 participants; and
  - d. Castillejos, Zambales on June 23, 2021 with 20 participants;
- Online Training on Rice Crop Manager (RCM) Advisory Service (RAS) via Google Meet on May 11-14, 2021 with 25 participants from Nueva Ecija;
- RiceTalks: A Technical Briefing on Rice and Rice-Based Farming System in Sta. Cruz, Zambales on May 12, 2021 with 17 participants;
- Two (2) batches of Rice Crop Manager (RCM) Briefing & Generation Recommendations in San Marcelino and Botolan, Zambales on May 18 and 20, 2021, respectively, with 20 participants each batch;
- Training Course on Rice Pest and Diseases Identification and Management for Agricultural Extension Workers (AEWs) via Google Meet on June 7-11, 2021 with 19 participants;
- Seven (7) batches of “Rice Talks”: A 1-Day Seminar on Rice Production Technologies for Farmer Leaders with Starter-Kits:
  - a. Guagua, Pampanga on June 8, 2021 with 20 participants;
  - b. San Luis, Pampanga on June 23, 2021 with 20 participants;
  - c. Angat, Bulacan on August 3, 2021 with 20 participants;
  - d. Casiguran, Aurora on August 10, 2021 with 20 participants;
  - e. Dilasag, Aurora on August 11, 2021





- with 17 participants;
  - f. Maria Aurora, Aurora on August 17, 2021 with 20 participants; and
  - g. San Ildefonso, Bulacan on September 7, 2021 with 20 participants;
- Training Course on Rice Processing cum Financial Literacy (Capability Enhancement for Farmers with Starter Kit in Support to GAD) in Camiling, Tarlac on July 14-16, 2021 with 20 participants;
- RiceStalks: A 1-Day Technical Briefing on Rice Production Technologies with Starter Kits in Mabalacat City, Pampanga on June 16, 2021 with 20 participants;
- Four (4) batches of RiceTalks: A Technical Briefing on Nutrient and Insect Pests and Diseases Management:
  - a. Palauig, Zambales on July 20, 2021 with 20 participants;
  - b. Anao, Tarlac on July 22, 2021 with 20 participants;
  - c. Llanera, Nueva Ecija on July 28, 2021 with 20 participants; and
  - d. Lupao, Nueva Ecija on November 17, 2021 with 20 participants;
- Refresher Course on Inbred Rice Seed Production and Certification for Inbred Rice Seed Growers via Zoom on October 6-8, 2021 with 20 participants;
- Breaking the Barriers Through Hybrid Rice: 1-day Technical Briefing on Hybrid Rice production with Starter Kits via Zoom on October 27, 2021 with 20 participants;
- Three (3) batches of RiceTalks: A Technical Briefing on Pest Management on Rice:
  - a. Palauig, Zambales on November 10, 2021 with 20 participants;
  - b. Anao, Tarlac on November 11, 2021 with 20 participants; and
  - c. Lupao, Nueva Ecija on November 17, 2021 with 20 participants; and
- “Be RICEponsibly Healthy: A webinar on Brown Rice and its Benefits” via Google Meet on November 29, 2021.

## Rice Competitiveness Enhancement Fund (RCEF)

For the Rice Competitiveness Enhancement Fund (RCEF), the following are the training activities implemented in 2021:

- Four (4) batches of Training of Trainers on Production of High-Quality Inbred Rice and Seeds, and Farm Mechanization:
  - a. February 18-March 12, 2021 in Sta. Ana, Pampanga with 15 participants;
  - b. June 14-25, 2021 via Zoom and Sta. Ana, Pampanga with 16 participants;
  - c. October 18-November 12, 2021 via Zoom and Sta. Ana, Pampanga with 18 farmer-participants; and
  - d. November 15-December 3, 2021 via Zoom and Sta. Ana, Pampanga with 18 farmer-participants;
- Scaling-up Farmers’ Technology on Rice Production: A retooling Course for Selected Farmers’ Field School Facilitators in Region III via Google Meet on April 19-23, 2021 with 15 participants;
- Two (2) batches of Training on Integrated Rice-Based Farming System for Farmer Leaders in Lupao, Nueva Ecija on May 25-27, 2021 with 15 participants; Anao, Tarlac on May 18-20, 2021 with 15 participants;
- Two (2) batches of Refresher Course on Inbred Rice Seed Production and Certification for Inbred Rice Seed Growers via Zoom/Google Meet on May 26-28, 2021 with 16 participants; and October 6-8, 2021 with 15 participants;
- Two (2) batches of Training Course on Agripreneurship in support to Gender and Development (GAD) in Sta. Rosa, Nueva Ecija on September 1-3, 2021 with 12 participants; via Zoom on October 11-15, 2021 with 15 participants; via Google Meet on July 13-15, 2021 with 15 participants;
- Training Course on Inbred Rice Seed Production and Certification for Prospective



Inbred Rice Seed Growers in Sta. Ana, Pampanga on August 23-27, 2021 with 15 participants;

- Two (2) batches of Training Course on Good Agricultural Practices (GAP) on Rice in Cabanatuan City, Nueva Ecija on November 23-25, 2021 with 15 participants;
- Two (2) batches of Digital Agriculture Course (DAC) in October 2021.

The Agricultural Training Institute – Central Luzon (ATI-CL) enhanced the skills of 40 RCEF-LSA Cooperators and youth farmer tandems in digital farming through online training on Digital Agriculture Course (DAC).

Two batches of 3-day virtual training were implemented on October 20 – 22, 2021, and October 27 – 29, 2021, respectively, which included two courses per batch: the DAC 101 and DAC 102.

The DAC 101 focused on the use of smartphones, a step-by-step guide on how to access the internet, internet safety and security, basic ICT Tools in rice farming, and introduction to social media marketing.

Moreover, the DAC 102 is an upgraded course that emphasized more agri-apps and websites, advanced social media marketing, poster making through Canva, e-Commerce, and online payment transaction.

Mr. Aeron P. Bermudez, Mr. Kent Edward S. Ballesteros, Mr. John Led G. Joaquin, and Ms. Eula Dee A. Lañada served as the resource persons in both DAC 101 and DAC 102.

The said training is anchored with the Rice Extension Services Program of Rice Competitiveness Enhancement Fund and is expected to be rolled out as part of a training course under Farmers' Field School of RCEF.



## High Value Crops Development Program (HVCDP)

The following are the training activities conducted under the High Value Crops Development Program (HVCDP):

- Six (6) batches of Agricultural Entrepreneurship: Building Entrepreneurial Skills Toward Bigger Opportunities
  - a. Via Google Meet among 15 participants on May 19-21, 2021;
  - b. Via Zoom among 16 participants on June 22-24, 2021;
  - c. Tarlac City, Tarlac on July 28-30, 2021 with 15 participants;
  - d. Sta. Rosa, Nueva Ecija on August 25-27, 2021 with 15 participants;
  - e. Via Google Meet among 15 participants from Bataan and Bulacan on October 27-29, 2021; and
  - f. Via Google Meet among 15 participants from Aurora and Bataan on November 23-25, 2021;
- Two (2) batches of Nurturing the Future of Cacao: Cacao Production and Nursery Management via Zoom/Google Meet on May 27-28, 2021 and October 20-22, 2021, with 15 participants per batch;
- Seven (7) batches of One-Day Seminar on Pest and Diseases & Nutrient Management and Marketing of Vegetables (Farmers' Field School on Vegetables):
  - a. San Luis, Aurora on September 8, 2021 with 15 participants;
  - b. San Antonio, Zambales on September 22, 2021 with 15 participants;
  - c. Talavera, Nueva Ecija on October 3, 2021 with 15 participants;
  - d. Dinalupihan, Bataan on November 12, 2021 with 15 participants;
  - e. Bamban, Tarlac on November 18, 2021 with 15 participants;
  - f. Porac, Pampanga on November 18, 2021 with 15 participants; and
  - g. Angat, Bulacan on November 18, 2021 with 15 participants;
- Oh My Gulay: Information Caravan on Vegetable Production Technologies (HVCDP Webinar Series) via Facebook Live on September 27-28, 2021 with 350 participants; and
- Training Course on Sustainable Vegetable Farming in Upland Areas in Iba, Zambales on October 26-28, 2021 with 15 participants.

## Livestock Program

Under the Livestock Program, the center implemented the following activities in 2021:

- AgriTalk 2021 Livestock Webinar Series

For the conduct of AgriTalk in the region, the Center has partnered with Learning Sites for

Agriculture (LSAs) for the implementation of the activity. Each LSA has tapped farmers within their respective communities, specifically members of farmers group or association, to become participants of the said event. After the activity, these farmer-participants will also receive extension support related to the discussed topic to start their farming journey.

For the awarded extension support, it is partnered with a center-developed monitoring tool to record the status of their awards as well as it could be used as basis for research. The tools are collected 6 months after the duration of the project.

In addition, ATI-CL has tapped selected LSA cooperators as resource persons of the event. Their lectures are recorded to avoid any technical difficulties since it is implemented online.

In 2021, ATI-CL featured topics under the livestock program dubbed as “Hanep sa Kwentuhan, Hayop sa Kaalaman: AgriTalk 2021 Livestock Webinar Series” which included topics on goat raising and management, rabbitry, and free-range chicken production.

The said topics were discussed by LSA cooperators namely: (1) Mr. Randy O. Valerio of R.O. Valerio Farm based at Bacolor, Pampanga; (2) Mr. George N. Natividad of Jabez Marketing Corporation based at San Jose City, Nueva Ecija; and (3) Mr. Emmanuel S. Bundoc of Felisidro Farm based at Pulilan, Bulacan, respectively.

AgriTalk is a free webinar series that provides an avenue for different individual and group of agriculture practitioners who share their success and failures in their agribusiness. It also seeks to inspire other farmers, professionals, students and enthusiasts.

The series, which was aired at ATI Central Luzon’s Facebook Page on June 21-23, 2021 at one o’clock in the afternoon, aims to continuously bring agriculture seminars closer to its clients at the comforts of their home.

- Two (2) batches of 2021 Bantay ASF Sa Barangay: Biosecurity and Surveillance Lecture via online platform on March 9, 2021 with 32 participants;
- Eight (8) batches of Bantay ASF Sa Barangay: Biosecurity Surveillance and Sample Collection for ASF Control:
  - a. Bulacan on March 10, 2021 with 15 participants;
  - b. Tarlac on March 10, 2021 with 15 participants;
  - c. Two (2) batches in Nueva Ecija on March 10, 2021 with 15 participants per batch;
  - d. Zambales on March 10, 2021 with 15 participants;
  - e. Bataan on March 10, 2021 with 15 participants;
  - f. Pampanga on March 10, 2021 with 15 participants; and
  - g. Aurora on March 10, 2021 with 15 participants;



- Eight (8) batches of Seminar on Quantum Geographic Information System via Livestream:
  - a. Aurora on April 29, 2021;
  - b. Bataan on May 20-21, 2021;
  - c. Two (2) batches in Nueva Ecija on May 20-21, 2021;
  - d. Zambales on May 27-28, 2021;
  - e. Tarlac on June 1-2, 2021;
  - f. Pampanga on June 7-8, 2021; and
  - g. Bulacan on June 9-10, 2021;
- Eight (8) batches of Seminar on Specimen Collection for Prospective Barangay Biosecurity Officers:
  - a. Baler, Aurora on April 29, 2021 with 15 participants;
  - b. Via online platform on May 19, 2021 with 24 participants;
  - c. Dinalupihan, Bataan on May 19, 2021 with 25 participants;
  - d. Two (2) batches in Nueva Ecija on May 26, 2021 with 37 participants; and 15 participants;
  - e. Tarlac on May 31, 2021 with 15 participants;
  - f. Bulacan on June 3, 2021 with 34 participants; and
  - g. Pampanga on June 3, 2021 with 15 participants;
- A-ANGAT LAHAT SA ANGAT: Skills Training on Meat Processing cum Current Good Manufacturing Practices (cGMP) in Angat, Bulacan on June 22-25, 2021 with 20 participants;
- Sa Goat Kita: Poor Man's Cow in A Millionaire's Program in Doña Remedios Trinidad, Bulacan on September 8-10, 2021 with 20 participants; and
- Basic Meat Inspection Course via Google Meet on September 20-October 15, 2021 with 18 participants.



# Binhi ng Pag-asa Program

The following are the activities conducted under the Binhi ng Pag-asa Program in 2021:

- Two (2) batches of Training of Trainers on Goat and Free-range Chicken Production for Binhi ng Pag-asa Beneficiaries in Palayan City, Nueva Ecija on August 3-6, 2021 and August 10-13, 2021

The Agricultural Training Institute-Central Luzon (ATI-CL), through the initiative of the Office of Senator Grace Poe (OSGP), opened opportunities for the youth of Nueva Ecija through the implementation of the Binhi ng Pag-asa Program (BPP).

ATI-CL, OSGP, with the help and support of Provincial Government of Nueva Ecija, implemented two (2) batches of provincial training entitled “Training of Trainers on Goat and Free-Range Chicken Production for Binhi ng Pag-asa Program Beneficiaries” on August 3-6, 2021 and August 10-13, 2021, respectively, held in ATI-RTC III, Satellite Office in Brgy. Singalat, Palayan City.

Among the resource speakers for the conducted provincial trainings were Dr. Mark Arman Aquino-Planning Officer III and Elenita F. Casimiro-Agricultural Center Chief of Provincial Veterinary Office, Lily Dela Cruz-Agriculturist II from ATI-RTC III, and Leaross Lourdes Valerio,

Vicente Leido IV, Sofia Anne Santiago, and Kelvin Reuven Sanguir, Political Officers from OSGP.

At the end of the training, the participants submitted an action plan of their proposed project for their respective communities which served as their main requirement for receiving their individual agricultural starter-kits (goats and free-range chicken) worth Php13,500.00.

As completers of provincial training, the 37 youth participants are expected to share and use their learnings to help every youth in their respective communities to engage in agriculture. With this, apart from their agriculture modules, trainings on leadership and values formation were provided to prepare them to be the future leaders of their generation.

The province of Nueva Ecija was one of the chosen provinces for this year’s program alongside Aklan Albay, Camarines Sur and Davao de Oro, following its first implementation in 2017.

These training activities under the BPP are instrumental in fulfilling the goal of gradually mending the constant decline of Filipinos engaged in agriculture, alongside the growing generational gap among farmers:

- Seventeen (17) batches of Training on Goat and Free-Range Chicken Production for Binhi ng Pag-Asa Program Beneficiaries in Palayan City, Nueva Ecija from August 16 until October 29, 2021; and
- Binhi ng Pag-asa Regional Summit (online) on November 24-26, 2021.



**2**

**THEMATIC  
EXHIBIT**



**MODELING TECHNOLOGIES**

**BEST AGRICULTURE AND FISHERIES EXTENSION PRACTICES,  
& INNOVATIONS**



## Learning Sites for Agriculture (LSA)

As part of the ladderized approach to extension service, the ATI Central Luzon supports the development of rural farms by certifying them as LSA that serve as demonstration areas for hands-on learning. The following are the LSAs established in 2021:

NO.	NAME OF SITE	TYPE OF FARM	PROVINCE	EXACT LOCATION		COOPERATOR/S
				MUNICIPALITY	BARANGAY	
1	Central Luzon State University - Ramon Magsaysay Center for Agricultural Resources and Environment Studies (CLSU RM-CARES)	Integrated Diversified Farm	Nueva Ecija	Science City of Muñoz, Nueva Ecija	CLSU, Bantug	CLSU RM-CARES
2	Linchoco Farm Agritourism Assessment and Training Center Inc.	Integrated Diversified Farm	Nueva Ecija	San Antonio	Purok 6, Sta. Barbara	Geraldine L. Linchoco
3	Abuela's Twin Creeks Farm	Integrated Diversified Farm	Bulacan	San Miguel	Zone 5, Bulo Dam Road, Malibay	Rafael Nic C. Sta. Rita
4	Orange Bright Technical Learning Center Inc	Integrated Diversified Farm	Pampanga	Floridablanca	Purok 1, Cababangcalan	Cecile M. Carlos
5	Kapampangan Development Foundation, Inc. Farm (KDFI)	Integrated Diversified Farm	Pampanga	Bacoor	Malilualo	Kapampangan Development Foundation, Inc.
6	Teves Integrated Family Farm	Integrated Diversified Farm	Zambales	Iba	Sta. Barbara	Maria Rigena T. Teves
7	Mang Danny's Organic and Natural Farm	Integrated Diversified Farm	Bulacan	Paombong	Sapang Camachille, Sto. Rosario	Danilo S. Dionisio
8	Gerry's Integrated Farm	Integrated Diversified Farm	Nueva Ecija	Laur	Brgy. Laur	Gerardo C. Esteban

Table 1. List of LSAs established in 2021



Continuation of Table 1: List of LSAs established in 2021

NO.	NAME OF SITE	TYPE OF FARM	EXACT LOCATION			COOPERATOR/S
			PROVINCE	MUNICIPALITY	BARANGAY	
9	H & M Farm	Integrated Diversified Farm	Pampanga	Candaba	Lanang	Honorato S. Martin
10	Simply Mushroom Integrated Farm and Agritourism	Integrated Diversified Farm	Pampanga	Porac	100 Purok 2, Brgy. Salu	Edgar Jose S. Aguas, Jr.
11	World of Wonderful Farm Encounter, Inc. (WoW Farms)	Integrated Diversified Farm	Tarlac	Paniqui	Purok United, Patalan	Juan Miguel Araneta
12	Campus-Based Techno Demo on Diversified Organic Farm in Upland Ecosystem	Integrated Diversified Farm	Bataan	Abucay	BPSU, Abucay Campus	Bataan Peninsula State University
13	FCP Farm Agro-Tourism and Learning Center	Rice-based Farm	Nueva Ecija	Sto. Domingo	Mabini	Fidel C. Patricio
14	New Gen Agri Farm	Rice-based Farm	Pampanga	Lubao	San Francisco	Eugene Q. David
15	Lacson Integrated Farm	Rice-based Farm	Pampanga	Sto. Tomas	San Vicente	Ernesto D. Lacson
16	Josapen Integrated Farm	Rice-based Farm	Tarlac	La Paz	San Roque	Marilyn G. Ansing

In addition, the Almeo Family Farm and Team Dagui Family Farm Corporation in Zambales were certified with assistance. Also, three (3) LSAs were enhanced with assistance namely, Roger Austria Farm, Biscocho Integrated Organic Farm, and Santonni Farms.

Under the Organic Agriculture program, two (2) LSAs were assisted for enhancement which are the Charisma Nature Farm and Eco Natural Integrated Farm.

Meanwhile, for the Rice Program, four (4) LSAs were certified in 2021 namely Balboa's Integrated Farm, Fabros Integrated Farm Training and Assessment Center Inc., Linchoco Farm Agritourism Assessment and Training Center Inc.; and Brillita Agri-Tourism and Skills Development Center Inc.

Moreover, for the RCEF, four (4) LSAs have also been certified with assistance namely FCP Farm Agrotourism

and Learning Center; New Gen Agri Farm; Lacson Integrated Farm; and Josapen Integrated Farm. Also, two (2) LSAs were enhanced under RCEF: Greenhaven Farm and D'Planners Training Center, Inc.

Further, the Northwind Fine Herd International, Inc., and Kapampangan Development Foundation Inc. Farm were certified under HVCDP.

## Urban Garden

The center assisted one (1) community which is Ina ng Hermosa - Saba Chapter in Hermosa, Bataan to establish their community garden.

Also, five (5) urban gardens were established in five (5) communities in Central Luzon in 2021.



3

# THEMATIC ADVISE



EMPOWERING  
**FARMERS & FISHERFOLKS**  
THROUGH  
**ADVISORY SERVICES**



## 4-H Program

The Agricultural Training Institute-Central Luzon (ATI-CL) entered in a Memorandum of Agreement (MOA) with the Local Government Unit (LGU) of Palayan City, Nueva Ecija for the establishment and briefing for the integrated urban agriculture garden of the 4-H Club in Dona Josefa, Palayan City, Nueva Ecija on November 18, 2021.

Ms. Esmenia S. Lulu, City Agriculturist of Palayan City and Ms. Elsa F. Victoria, OIC-Training Center Superintendent I, signed the MOA as Grantor and Grantee of the said project.

Dr. Dianne M. Lapuz, Project Officer of the said Community Urban Garden, shared to the 4-H club members their responsibilities in establishing their Community Urban Garden. She encouraged the 4-H club members as the recipients of the project to help one another for it to become successful and sustain the said endeavor.

Lulu encouraged the beneficiaries to be involved and pour out their hearts in establishing their Community Urban Garden. In addition, she said that the young generation should always have a positive outlook in life and be a good steward of the blessings they have received and will receive in the near future.

In addition, the group received assorted IEC materials about urban gardening, free-range chicken production and other technologies and practices in Organic Agriculture. They also received initial garden tools, vegetable seeds, seedling trays, and seedling bag.

Further, Mr. Christopher Ryan G. Banaag, Agriculturist II, 4-H and Organic Agriculture Focal Person of Palayan City, said that they are always will to assist

the group from planning until the successful operation of their Community Urban Garden. Banaag is also the coordinator of the said project.

## Filipino Young Farmer Internship Program

Two (2) young Central Luzon farmers left the Philippines on October 2, 2021 to undergo 11-month internship in Taiwan as part of the Filipino Young Farmer Internship Program (FYFIP) in partnership with Manila Economic and Cultural Office (MECO) and Taipei Economic and Cultural Office in the Philippines (TECO).

As one of the requirements for the internship program, Mr. Ceejay Gayap of Science City of Muñoz, Nueva Ecija and Mr. Marc Danielle Rodriguez of Hermosa, Bataan completed their Online Pre-Departure Orientation Course which started from April until August 2021.

Gayap and Rodriguez passed the national examination and interview for the said internship earlier this year. The Department of Agriculture – Agricultural Training Institute (DA-ATI) signed a Memorandum of Understanding (MOU) with MECO-TECO in December 2020 enhancing the existing friendly relations between the agriculture and fishery authorities.

The MOU provides for an 11-month subsidized internship program in Taiwan for qualified young Filipino farmers. The training module will include modern agricultural and fisheries techniques, marketing strategies, cooperative management, enhancement of competencies, discipline and work values, among others.

# Magsasaka Siyentista (MS)

The Agricultural Training Institute-Central Luzon (ATI-CL) hosted the online Techno Gabay Program (TGP) meeting via Google Meet among the region's TGP working group on March 30, 2021.

One of the meeting's highlights is the upgrade of Magsasaka Siyentista (MS) in the region to Learning Sites for Agriculture (LSA). Ms. Reinalyn Gulen, LSA focal person, discussed among the RTWG the LSA application process. With this, the coordinators can relay the information to the MS of their respective provinces and help them in the process.

Currently, there are seven (7) MS which are also LSAs in the region:

	MS/LSA Cooperator	Address
1	Jonathan Tayaben	San Luis, Aurora
2	Reynaldo Hilario	Talavera, Nueva Ecija
3	Eduardo Policarpio	Cabanatuan, Nueva Ecija
4	Julian dela Cruz	Plaridel, Bulacan
5	Tomy Garma	Mayantoc, Tarlac
6	Gerardo Esteban	Laur, Nueva Ecija
7	Nemencio Concepcion	San Ildefonso, Bulacan

**Table 2.** List of MS certified as LSAs

# Rural Improvement Club (RIC)

Highlighting recipes and success stories of Rural Improvement Clubs (RICs) in Central Luzon, the Center crafted a book dubbed as "SPOONS OF SPICES: Dipping into the flavors of RIC's specialties and stories of success."

Launched on April 6, 2021 through the Center's Facebook page, the book featured 14 RICs in Central Luzon and their home-grown recipes.

The following are the RICs featured in the said book:

RICs featured in Spoons of Spices	
Victoria RIC (Victoria, Tarlac)	Kaliwanag RIC (Samal, Bataan)
Pura RIC (Pura, Tarlac)	RIC Diome (Maria Aurora, Aurora)
Kababaihang Masigla ng Nueva Ecija (KMNE) RIC (Quezon, Nueva Ecija)	Pilar Rural Improvement Club Multipurpose Cooperative (PRICMC) (Pilar, Bataan)
Pag-asa RIC of Sto. Domingo (Sto. Domingo, Nueva Ecija)	San Fernando RIC (City of San Fernando, Pampanga)
San Antonio RIC (Science City of Muñoz, Nueva Ecija)	RIC Baler (Baler, Aurora)
Casulucan Este RIC (Talavera, Nueva Ecija)	RIC Candelaria (Candelaria, Zambales)
Pinaod RIC (San Ildefonso, Bulacan)	RIC Castellejos (Castillejos, Zambales)

**Table 3.** List of RICs featured in Spoons of Spices Book

As experts in home economics and food preservation, the RIC members have played a vital role on how food is produced and made available for rural and even urban families. Since the late 1920s, the RICs have been showcasing innovations and a range of agribusiness projects that continue to keep the agriculture sector alive.

# 4

# THEMATIC DISSEMINATE



INFORM  
EDUCATE  
TRANSFORM  
ATI-CL



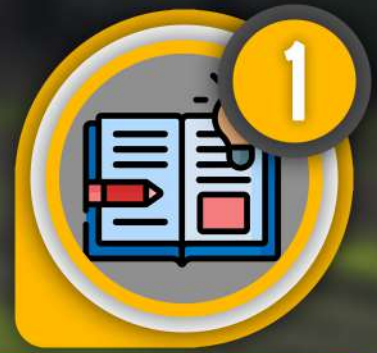
ENHANCING  
**AGRICULTURE FISHERIES EXTENSION**  
KNOWLEDGE PRODUCT & SERVICES



**SUCCESS STORIES DEVELOPED**



**SUCCESS STORY VIDEOS DEVELOPED**



**BOOKS PUBLISHED**



**SOR CONDUCTED**



**SOR GRADUATES**



**NEWS ARTICLES DEVELOPED**



**IEC MATERIALS DEVELOPED**



**IEC MATERIALS DISTRIBUTED**



**ANI AT KITA SA AGRIKULTURA  
RADIO BROADCASTS AIRED**



**TECHNOLOGY VIDEOS DEVELOPED**



**FACEBOOK REACH**



**IAGRI TV EPISODES AIRED**

# Website

The ATI-Central Luzon (ATI-CL) boasts of its up-to-date website complete with articles, updated banners depending on the month's celebration, videos on success stories of farmers, feature stories, techno-based and corporate IEC materials, among others.

For the whole year, the center has published 80 articles in the website. Aside from these activities and functions, the center has been linking the promotion of activities

in our website thus gaining more visitors. We have also maximized the use of our website for the registration of online training or seminars and access to e-Learning codes and center's YouTube channel.

One of the highlights of the website is the presence of our Online Library or Knowledge Resource Center. Our clients can just browse through the library to access various IEC materials on different agricultural technologies.

# School-on-the-Air (SOA)

This year, the center has conducted the following SOA programs with the corresponding title, number of graduates and area conducted:

	SOA Program	Commodity	Scope	Graduates
1	Palay Aralan sa Radyo: School-on-the-Air on Smart Rice Agriculture	Rice	Aurora	3,000
2	Asenso sa Pagkukuneho: School-on-the-Air on Rabbit Production	Livestock	Nueva Ecija	500
3	IN SA INBRED: School-on-the-Air on RCEF	RCEF	Bataan	500

**Table 4.** List of SOA Programs conducted in 2021

Through the implementation of various SOA Programs across different commodities (Rice - SOA-Smart Rice Agriculture; Livestock - SOA-Rabbit; SOA-RCEF) this year, the center has thought of the following strategies and activities to intensify and successfully conduct the said program in the region.

ATI-CL thought of a way to make the program more interactive especially with the rise of technologies brought by the pandemic. Thus, the center has simultaneously

broadcasted all SOA episodes through radio and Facebook live. With this, it can cater to more participants as its reach is broader thus making the program more interactive.

In addition, the center has partnered with local radio stations and landed with a free airing for the SOA episodes through Radio KaedUp 102.9 (Dingalan, Aurora); KAWADI FM (Casiguran, Aurora); and DWNE 900kHz AM (Nueva Ecija). This partnership is also stipulated in the MOA among the involved entities.

# Knowledge Products Development

The development of knowledge products is divided into two categories: corporate and techno-based materials. We have developed a total of four (4) corporate materials and twelve (12) techno-based IEC materials. All corporate materials are registered to the National Library of the Philippines (NLP).

## Corporate Materials

	TITLE OF MATERIAL	NO. OF COPIES REPRODUCED	NO. OF COPIES DISSEMINATED
1	<b>Annual Report 2020: Breaking Boundaries: Steering the AFE Sector through the Pandemic</b>	300	300
2	BUSLO Newsletter (Quarter 1-4)	500 per quarter	1,500
3	Spoons of Spices: Dipping into the Flavors of RIC's Stories of Success	300	300
4	Rise, Rice: RCEF Semestral Magazine	500 per semester	500

**Table 5.** List of corporate materials developed in 2021

## Books Published

The Agricultural Training Institute-Central Luzon (ATI-CL) launched its book entitled SPOONS OF SPICES: Dipping into the flavors of RIC's specialties and stories of success on April 6, 2021 through the center's Facebook Page.

The book highlights 14 recipes from Rural Improvement Clubs (RICs) in the region as well as their success stories. The RICs shared their home-grown recipes for everyone to enjoy and taste.

The following are the RICs featured in the said book:

1. Victoria RIC (Victoria, Tarlac); 2. Pura RIC (Pura, Tarlac); 3. Kababaihang Masigla ng Nueva Ecija (KMNE) RIC (Quezon, Nueva Ecija); 4. Pag-asa RIC of Sto. Domingo (Sto. Domingo, Nueva Ecija); 5. San Antonio RIC (Muñoz, Nueva Ecija); 6. Casulucan

Este RIC (Talavera, Nueva Ecija); 7. Pinaod RIC (San Ildefonso, Bulacan); 8. Pilar Rural Improvement Club Multipurpose Cooperative (PRICMC) (Pilar, Bataan); 9. Kaliwanag RIC (Samal, Bataan); 10. RIC Diome (Maria Aurora, Aurora); 11. RIC Baler (Baler, Aurora); 12. RIC Candelaria (Candelaria, Zambales); 13. RIC Castillejos (Castillejos, Zambales); and 14. San Fernando RIC (San Fernando, Pampanga).

The center also partnered with the state university and colleges (SUCs) in the region and tapped writers from them to produce the book. The writers from the SUCs and ATI were: Rona Jane Cacanindin (ASCOT); Maria Adrielle S. Estigoy (CLSU); Queenie P. Peneyra (CLSU); Anabelle O. Galang-Sanchez (PSAU); Josephine A. Ignacio (PRMSU); Shanemie Carelle O. Daquio (ATI-CL); and Eula Dee A. Lañada (ATI-CL).

## Techno-based Materials

### Techno Kits

	TITLE OF MATERIAL	NO. OF COPIES REPRODUCED	NO. OF COPIES DISSEMINATED
1	Mga Dapat Malaman sa Wastong Pagkakambingan	2,000	2,000
2	Mga Gabay sa Wastong Produksyon para sa Iba't-Ibang Klase ng Kabute	2,000	2,000
3	Mga Gabay sa Wastong Pamamahala para sa Babuyang Walang Amoy	2,000	2,000
4	Mga Gabay sa Wastong Paggawa ng Organikong Pataba para sa Halaman	1,000	1,000
5	Mga Gabay sa Wastong Produksyon para sa Mga Gulay na Pangpakbet	2,000	2,000
6	Mga Gabay sa Wastong Produksyon para sa mga Gulay na Panigang	2,000	2,000

Table 6. List of techno kits reproduced in 2021

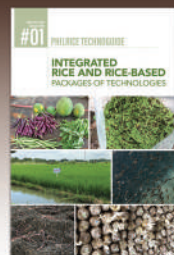
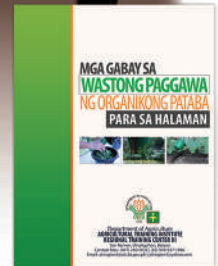
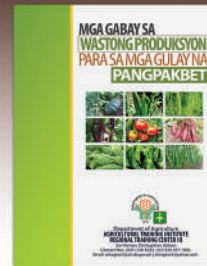
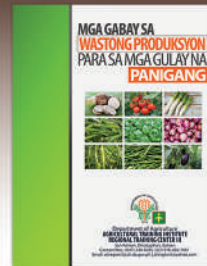
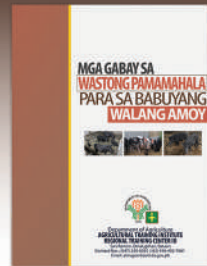
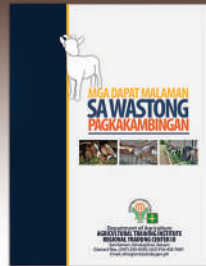
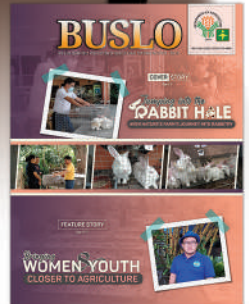
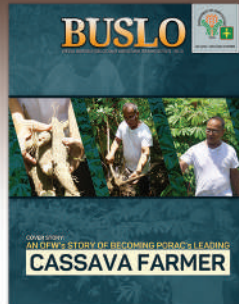
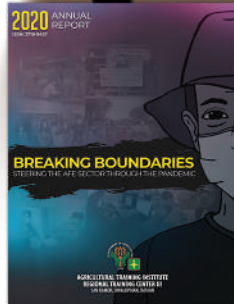
### Pamphlets/leaflets/booklets/brochures

	TITLE OF MATERIAL	NO. OF COPIES REPRODUCED	NO. OF COPIES DISSEMINATED
1	Mga Pesteng Insekto at Sakit ng mga Pananim na Mais	1,000	1,000
2	Iwasan ang African Swine Fever	4,000	4,000
3	Palay Check System	7,500	7,500
4	Technoguide #1 - Integrated Rice and Rice-based Packages of Technologies	2,000	2,000
5	Gabay sa pagtatanim ng palay at pagpaparami ng dekalidad na binhi sa sariling bukid	5,000	5,000
6	RCEF Seed Brochure	10,000	10,000

Table 7. List of pamphlets/leaflets/booklets/brochures reproduced in 2021



# KNOWLEDGE RESOURCE CENTER





Ang OA nATIn!

PANTABOY SA KALABAN  
PAMPATIBAY NG HALAMAN

Paggawa ng Oriental Herbal Nutrient (OHN)



## Success Story Documentation

In addition, the center has documented five (5) success stories and released video and print form of these stories. The following are the titles of the success story videos:

- **HYDROPONICS: Pagakaing Ligtas, Pagakaing Likas** (*Zennor Hydroponics Farm*)
- **Likas na Paraan, Tunay na Kasiyahan** (*TingTano Integrated Farm*)
- **Magiting na Sundalo Noon, Matagumpay na Goat Raiser Ngayon** (*Roger Austria Farm*)
- **Babuyan ni Juan, Angat sa Bataan** (*Livestock raisers in Bataan*)
- **NRAM Special: FCP Farm and Agro-Tourism Learning Center**

## Videos

The following are the techno-based videos and other videos, which depict agricultural information and technologies, developed by the center in 2021:

- **Techno-based videos** (How-to videos on organic concoctions):
  - Fermented Fruit Juice (FFJ)
  - Fermented Plant Juice (FPJ)
  - Fish Amino Acid (FAA)
  - Modified Enhanced Microorganisms (MEMO)
  - Oriental Herbal Nutrient (OHN)
  - Lactic Acid Bacteria Serum (LABS)
  - JADAM concoctions
- **Agridients** - featuring home-grown recipes of Rural Improvement Clubs (RIC) in Central Luzon:
  - Crispy Dilis
  - Smokin' Hot Tinapa Rolls
- **Filipino Food Month Celebration**
  - Lutong Manyaman, Burong Kapampangan

## iAgri TV Series

ATI-CL aired six (6) iAgri TV webisodes that featured on demand topics in agriculture. The program also aims to help introduce the latest trends and technologies on high value crops and other agriculture commodities.



## Engagement with Local Media

The center has forged partnerships with the local media to increase ATI's presence as well as promote our activities and programs to the public. The following are ATI-CL's local media partners:

### RW 95.1 FM

In partnership with DA-RFO III, the center has a regular TeleRadio program dubbed as **Ani at Kita sa Agrikultura** which is aired via RW 95.1FM and broadcasted live through our center's Facebook page. The program aired every Monday at 10-12NN with discussions on different agricultural topics. In 2021, a total of 40 episodes was aired.

### Manila Bulletin

More than 25 LSAs have been featured in Agriculture Online which is published by the Manila Bulletin.

### Farm to Table TV Show

The show has forged a partnership with ATI-CL for the LSAs to be featured in the program. A local dish will be prepared using the crops and other materials available in the farm. The show featured *Bulanglang na native na baboy* and *Inabraw na labong, saluyot at kabute*, which are local dishes in San Jose, Tarlac where Tingtano Integrated Farm is located.

### AgriPreneur TV

ATI-Central Luzon coordinated with AgriPreneur TV for the LSAs in the region to be featured in the said TV program. The show depicts the salient features of the farm, their technologies and it aims to inspire individuals to start their own farms.

More than 50 LSAs have been featured in AgriPreneur TV since 2020 and the LSA cooperators have also been interviewed by Mr. Jiggy Manicad in his online show.

In addition, our Center Director has also been interviewed for the plans and programs of ATI for 2021.

With the established relationship, the director for the AgriPreneur TV show has been tapped as a resource person of the Center for Click & Capture: Smartphone Photography & Videography Training for ATI staff which was held in February 2021.

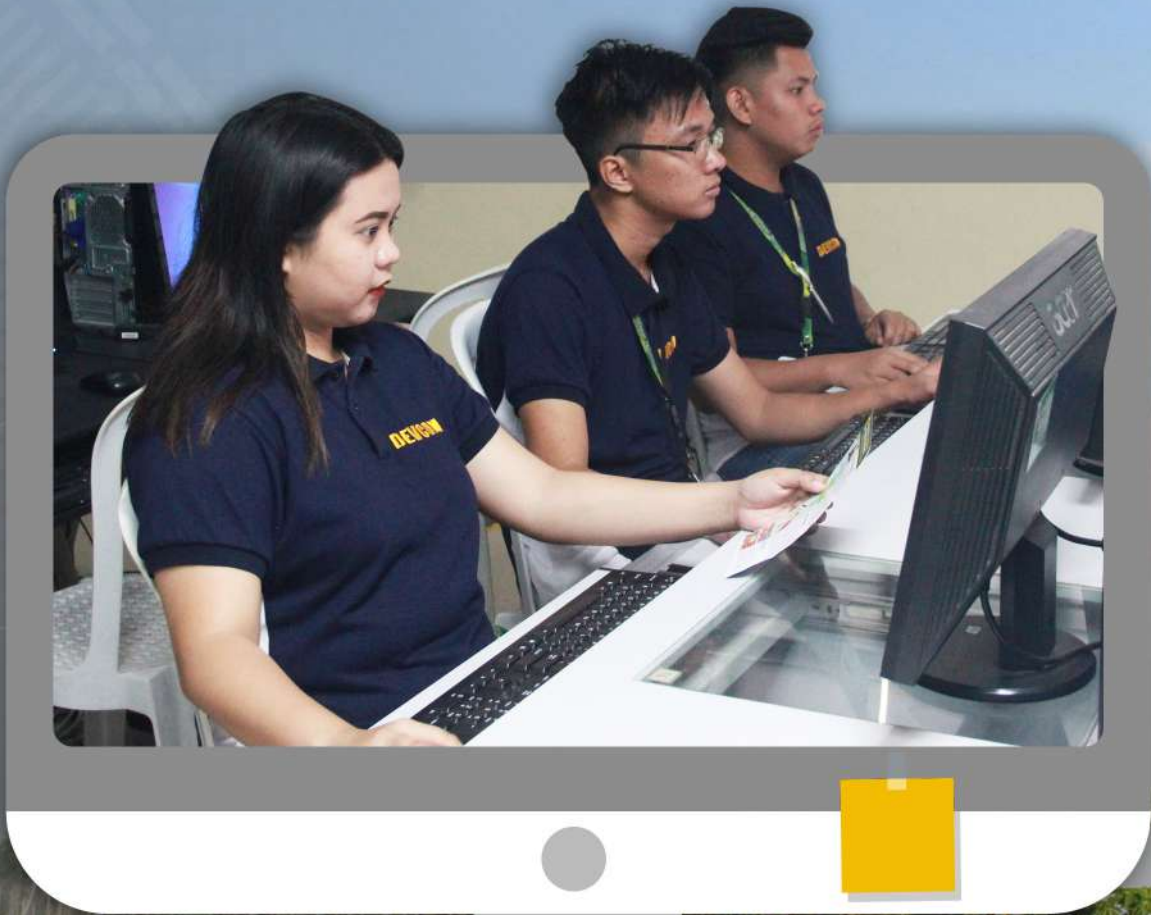
### DWNE 900kHz AM

The center has tied up with DWNE 900kHz AM for free for the conduct of **teleradio program** dubbed as *Maligayang Pagsasaka: Usapang Pagpapalay at iba pa* with 13 episodes aired the radio and Facebook page which started on July 2, 2021.



5

# THEMATIC SUPPORT



*Improving and Enabling*  
**ENVIRONMENT & GOVERNANCE**  
*FOR*  
**AGRICULTURE AND FISHERIES EXTENSION**



## Newly-appointed ATI-CL staff

Three (3) newly-appointed staff of Agricultural Training Institute-Central Luzon (ATI-CL) took their oath before Center Director, Ms. Veronica Concepcion V. Esguerra, in Dinalupihan, Bataan on February 17, 2021.

The newly-appointed staff include Mark Christian A. Bombita (Accountant I), Fria Joy Soriano (Dormitory Manager II), and Jocelyn A. Tan (Administrative Aide VI).

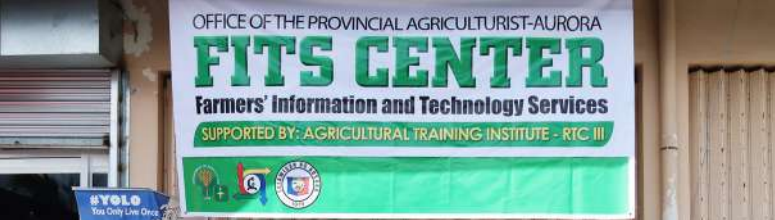
They are all assigned in the Administrative and Finance Services Section.

## FITS Center Enhancement

ATI-CL has enhanced three (3) Farmers Information and Technology Services (FITS) Centers in the region under Rice Crop Manager (RCM) through the provision of ICT equipment. As recommended by their provincial TGP coordinators, the following are the FITS Centers enhanced in 2021:

1. FITS Guimba, Nueva Ecija;
2. FITS Victoria, Tarlac; and
3. OPA-Bulacan.

IEC materials were also granted to the said FITS Centers as they are our partner in the dissemination in the region.



## FITS Center Establishment

ATI-CL has launched the Farmers' Information and Technology Services (FITS) Center in Pantabangan, Nueva Ecija on December 16, 2021 to provide fast access of latest agriculture and agriculture-related information.

ATI-CL and the local government unit (LGU) of Pantabangan, Nueva Ecija entered into a Memorandum of Agreement to signify the commitment of both parties in serving the farmers in the community. A ribbon-cutting and blessing of the newly-established FITS Center followed.

With the establishment of FITS Center, LGU Pantabangan received ICT equipment such as printer, smart TV, portable sound system, tablet, pocket wifi, external hard drive, GPS, and supplies to help the operation of its services under the Techno Gabay Program (TGP).

The FITS Center also received various information, education and communication (IEC) materials related to agriculture to be distributed to farmers within the community.

Dr. Jovita Agliam of the Office of the Provincial Agriculturist-Nueva Ecija; Ms. Janet L. Saturno of the Central Luzon State University Extension Office; Ms. Glenda Valderrama of CLAARDEC attended the said event. In addition, 10 farmer-leaders in Pantabangan also participated in the activity.

The FITS Center is a one-stop service facility made accessible to farmers, entrepreneurs, and other clients in a given area. The FITS Center is one of the components of the Techno Gabay Program along with Magsasaka Siyentista (MS), Information & Communications Technology (ICT), and Information, Education and Communication (IEC).

## FITS Center Enhancement through Agriculture Magazine Subscription

A total of 48 FITS Centers and Knowledge Resource Center (KRC) in Central Luzon has been enhanced through the subscription of Agriculture Magazine.

## LSA FITS Kiosk Establishment

The center also initiated the establishment of ten (10) LSA FITS Kiosks in the region. With the establishment, the said LSA FITS Kiosks provided an area in their respective farms for the display area and IEC materials. Moreover, ATI-CL granted them with ICT equipment and supplies to be used in their activities under the Techno Gabay Program (TGP) and as an LSA.

Further, the LSA FITS Kiosks have agreed to conduct e-Learning orientation among their farmer-participants and they will produce 100 graduates per year until the duration of the project.

The center established the following LSA FITS Kiosks in the region in 2021:

	Name of LSA FITS Kiosks	Location	LSA Cooperator
1	Myriad Farms	Guimba, Nueva Ecija	Viola Fern Sebastian
2	KD Farm	Rizal, Nueva Ecija	Atty. Carol Amis
3	Eco Natural Integrated Farm	Victoria, Tarlac	Emma Tolentino
4	TingTano Integrated Farm	San Jose, Tarlac	Christian Facun
5	Castro Tomas Farm School and Training Center	Camiling, Tarlac	Jhunn Castro
6	Garma-Bueno's Farm School and Training Center	Mayantoc, Tarlac	Tomy Garma
7	Zennor Hydroponics Farm	Palauig, Zambales	Rafael Pagaling
8	Bausa Integrated Farm	San Idefonso, Bulacan	Luis Bausa
9	Angela's GGES Farm	San Rafael, Bulacan	Gina Sablaon
10	Biscocho Integrated Organic Farm	San Rafael, Bulacan	Lourdes Biscocho

**Table 8.** List of LSA FITS Kiosks established in 2021

The said LSA FITS Kiosks will serve as the satellite center of their municipal FITS Centers. They will also bring agricultural information in the barangay-level or within their community.

## RCEF Barangay FITS Kiosk Establishment

The center has conducted three (3) batches of establishment of the RCEF Barangay FITS Kiosks in Central Luzon. ATI-CL established five (5) FITS Kiosks in each municipality. The FITS Kiosks were established in the following barangays with their corresponding municipality:

Plaridel, Bulacan	Botolan, Zambales	Castillejos, Zambales
Bulihan	Mambog	San Agustin
Bagong Silang	Panan	San Jose
Lagundi	Paudpod	San Nicolas
Sto. Niño	Poonbato	Nagbayan
Tabang	Bancal	Magsaysay

**Table 9.** List of RCEF Barangay FITS Kiosks established in 2021

The FITS Kiosks will serve as the barangay information center that aims to bring RCEF and rice-related information and technology services to farmers in the barangay level through the establishment of local FITS Kiosks. For the establishment, they were granted with portable sound system, printer, and various IEC materials on rice.



## Grants

The following are the grants approved and training activities implemented through extension service providers (ESP):

- Training Course on Diversified and Integrated Farming Systems (Extension Intervention Based on Identified Needs of Stakeholders) in Brgy. Reformista, Limay, Bataan on June 9-11, 2021 with 15 participants;
- Training Course on Commercial Rabbit Raising and Rabbit Slaughtering (Training on Natural Farming Systems) in Candaba, Pampanga on June 16-18, 2021 with 15 participants;
- Training Course on Rabbit Production and Processing for San Jose City, Nueva Ecija (Extension Intervention Based on Identified Needs of Stakeholder) on June 21-23, 2021 with 15 participants;
- Training on Squash Processing cum Current Good Manufacturing Practices (cGMP) (Food Production Technology) in Brgy. Batitang, Zaragoza, Nueva Ecija on July 28-30, 2021 with 15 participants;
- Training related Projects: Scale-Up Farming: Cassava Production and Value Addition with Emphasis to GAD in Cuyapo, Nueva Ecija on July 28-30, 2021 with 15 participants;
- Training on Rice-Based Farming System for Farmer Leaders (Capability Enhancement for Farmers with Starter Kits in San Ildefonso, Bulacan on September 15-17, 2021 with 20 participants; and
- Training Course on Good Agricultural Practices on Rice (Capability Enhancement Training for farmers) in Cabanatuan, Nueva Ecija on November 23-25, 2021 with 20 participants.



# Consultation, Workshops, and Meetings

In 2021, the center implemented the following activities among its staff:

- ATI Central Luzon 5th Management Review in ATI-RTC III, Dinalupihan, Bataan on January 25-28, 2021 with 37 participants;
- ATI Central Luzon 6th Management Review via Google Meet on September 2-3, 2021 with 20 participants;
- Mid-year Assessment & 2nd Semester Catch-up Planning Workshop via Google Meet on September 8-19, 2021 with 50 participants;
- Crafting of the ATI RTC III FY 2022 Budget Execution Document (BED) Forms via Google Meet on October 14, 2021 with 30 participants; and
- 2021 Annual Review, Assessment & Presentation of the 2022 Work & Financial Plan (OPMES) in ATI-RTC III, Dinalupihan, Bataan on December 13-15, 2021 with 53 participants.

In addition, the center conducted these workshops, meetings, and other activities for its partners and clients:

- Provincial Consultation Meeting via Google Meet on February 3-11, 2021 among 76 participants;
- Regional Consultation Meeting in DA-RFO III, City of San Fernando, Pampanga on February 16, 2021 with 10 participants;
- Virtual Inter-Agency Planning and Consultation Meeting on the Regional Implementation of RCEF-RESP via Google Meet on February 16, 2021 with 15 participants;





- Virtual Consultation Workshop on High Value Crops Development Program (HVCDP) in Region III via Google Meet on February 24-26, 2021 with 15 participants;
- Consultation Workshop for Livestock Extension Programs for FY 2021-2022 via Google Meet on February 26, 2021 with 20 participants;
- Development of the Regional Extension Agenda and Programs (NEAP) FY 2022-2028 Through Virtual Provincial Consultation Meeting on May 14, 2021 to June 16, 2021 with 66 participants from all provinces in Central Luzon;
- Braving The New Normal: Harmonization and Consultation for Corn and Cassava Extension Programs for 2022-2023 via Google Meet on June 23, 2021 with 15 participants;
- Inter-agency Meeting and Year-end Assessment of the RCEF-RESP Implementers in Region 3 in New Gen Agri Farm Training Center Inc., Lubao, Pampanga on November 25-26, 2021 with 15 participants; and
- Consultation on the Organic Agriculture Program for 2022- 2023 and planning workshop on the Participatory Guarantee System via Google Meet on December 7, 2021 with 20 participants.

## Staff Development

Further, ATI employees have attended the following activities to further develop their skills:

- **CLICK & CAPTURE:** Maximizing the use of smartphone for photography and videography in ATI-RTC III, Dinalupihan, Bataan on March 11, 2021 with 20 participants;
- Virtual Orientation on Continuous Professional Development (CPD)

Accreditation System via Google Meet on December 13, 2021 with 14 participants;

- ISS staff, Aeron P. Bermudez, Eula Dee A. Lañada, Shanemie Carelle D. Pradera, Kent Edward S. Ballesteros, Mariel B. Baldoz, and John Led Joaquin, attended the 15th National e-Learning Conference 2021 on May 29, 2021;
- Mark Christian Bombita, Accountant I, participated in Seminar on First Aid Risk Reduction and Management on June 9-11, 2021 in City of San Fernando, Pampanga; and
- Dianne Lapuz and Zarah Jane Nazar-Sendrijas attended the Specialist Training on Participatory Guarantee System on June 14-25, 2021.

## Partnerships

### ***Partnership with Pagalanggang National High School (NHS) for e-Learning & OA courses institutionalization***

ATI-CL has entered into a Memorandum of Agreement (MOA) for the institutionalization of e-Learning and organic agriculture (OA) courses to Pagalanggang National High School (PNHS) on March 26, 2021.

PNHS entered this partnership because the enrollees of the school in Technical Vocational Learning-Agriculture (TVL-Agri) want to become farmers thus they have forged a relationship with ATI to help them in providing adequate knowledge in the field.

During the activity, PNHS presented the immersion program of the students as well as their expectations of the said partnership. ATI also discussed the e-Learning program highlighting the courses which the students could take. In addition, an overview of the Organic Agriculture (OA) program was discussed.

With the partnership, PNHS will send students to ATI-CL for their work immersion program





every year and in turn, ATI-CL will introduce e-Learning and OA courses to them.

### **Partnership with Malolos City in adopting hydroponics system for community urban gardening**

ATI-CL entered into a Memorandum of Agreement (MOA) with LGU and FITS Center Malolos City through its OIC-City Agriculturist, Romeo S. Bartolo, L.Mngt., L.Agr. for the Community Urban Garden on December 2, 2021.

Through the MOA, ATI-CL shall provide a hydroponics NFT (Nutrient Film Technique) System which shall be showcased in the heart of the City of Malolos, Barangay Bulihan, Malolos City.

This shall serve as the prototype and basis for subsequent implementation in the first five barangays namely San Pablo, Bagong Bayan, Sta. Maria Trinidad, Bagna, and Atlag.

The idea of promoting the hydroponics system of food production was the offshoot of the Online Training on Micro Gardening Online training conducted by ATI-CL on October 19-21, 2021 which was aired live via Facebook, where 827 registered in the said online training.

The majority of the viewers and participants showed interest in the hydroponics system (wick type, Dutch bucket, and NFT systems).

## **Awards**

The Center bagged the Consistency Award for the implementation of Digital Farmers Program (DFP) in Central Luzon during the IS Achievers' Awards 2021.

In addition, the center placed in the Top 3 among all regional training centers in the country for the following categories:

1. Updated Website;
2. Website Page Views;
3. Social Media Presence;
4. Knowledge Products Development; and
5. Techno Gabay Program.

Further, the center was also nominated for the Breakthrough Award for its innovations and best practices implemented across all projects and programs under the Information Services Section.

# 2021 FINANCIAL ACCOMPLISHMENTS



**AGRIPRENEURSHIP  
PROGRAM**  
PHP 1,083,333.34

**ESSETS ON THE  
PROMOTION AND DEVELOPMENT OF  
ORGANIC AGRICULTURE  
PROGRAM**  
PHP 3,164,031.18

**ESSETS ON THE  
NATIONAL RICE PROGRAM**  
PHP 8,801,233.16

**PERSONNEL  
SERVICES**  
PHP 17,303,728.84

**OTHER EXTENSION SUPPORT,  
EDUCATION AND TRAINING  
SERVICES ACTIVITIES**  
PHP 11,860,138.22

**TOTAL**  
PHP 63,822,950.64

**ESSETS ON THE  
NATIONAL CORN PROGRAM**  
PHP 1,903,830.94

**RICE COMPETITIVENESS  
ENHANCEMENT FUND (RCEF)**  
PHP 7,636,089.15

**ESSETS ON THE  
NATIONAL LIVESTOCK PROGRAM**  
PHP 3,017,542.00

**ESSETS ON THE  
NATIONAL HIGH VALUE CROPS  
DEVELOPMENT PROGRAM**  
PHP 3,205,511.50

**CONTINUING  
APPROPRIATIONS  
CORN PROGRAM**  
PHP 150,000.00

**BINHI NG PAG-ASA  
PROGRAM**  
PHP 5,697,512.25

## OFFICE OF THE C

MARIO A. LAP  
TRAINING CENTER SUPER  
OIC CENTER DIR

## PLANNING, MONITORING, & EVALUATION UNIT (PMEU)



**MARCIANO C. SANTOS**  
PLANNING OFFICER II

**ZARAH JANE N. SENDRIJAS**  
DEV'T MANAGEMENT OFFICER I



**JOAN P SU-AY**  
PROJECT EVALUATION OFFICER I



**MARK CHRISTIAN A.**  
ACCOUNTANT

**CORAZON R. SAN PEDRO**  
ADMINISTRATIVE OFFICER I/CASHIER



**JOCELYN A. TA**  
ADMINISTRATIVE A

## CAREER DEVELOPMENT MANAGEMENT SERVICES SECTION (CDMSS)



**ELSA F. VICTORIA**  
TRAINING SPECIALIST III/  
OIC ASSISTANT CENTER DIRECTOR



**BABELYN P. LOPEZ**  
TRAINING SPECIALIST II



**MARIA THERESA S. VILLANUEVA**  
TRAINING SPECIALIST II

**DIANNE M. LAPUZ**  
MEDIA PRODUCTION SPECIALIST II



**GUIJA D. REYES**  
DEV'T. MANAGEMENT OFFICER IV/  
BUDGET OFFICER



**KRIZZELL D. GALANG**  
TRAINING SPECIALIST I

## INFORMATION SERV

**AERON P. BERMU**  
INFORMATION OFFI



**SHANEMIE CARELLE D. PRADERA**  
INFORMATION OFFICER II

**KENT EDWARD S. BALLESTEROS**  
MEDIA PRODUCTION SPECIALIST II



## OTHER PROJECT

ADRANEDA, ANNIE P.  
ATIENZA, FREVALYN V.  
BALBIN, GILDA A.  
BALDOZ, JAYSON S.  
CASALME, JENNA A.  
CAYABYAB, ALVIN P.

ENRIQUEZ, PHILIP LUCKY S.  
ESGUERRA, VERONICA CONCEPCION V.  
FAJARDO, ABEGAIL V.  
JOAQUIN, JOHN LED G.  
LIMBO, HAZEL A.  
MANZANO, PEARLIE P.

# CENTRAL LUZON ORGANIZATIONAL CHART

## CENTER DIRECTOR

**ANTONIO T. BOMBITA**  
SUPERINTENDENT IV  
DIRECTOR



## ADMINISTRATIVE AND FINANCE SERVICES SECTION (AFSS)

**ANTONIO T. BOMBITA**  
SUPERINTENDENT IV  
DIRECTOR



**JOSEFINA T. SERRANO**  
ADMINISTRATIVE OFFICER IV



**CARLO S. ROBERTO**  
ADMIN. OFFICER II / SUPPLY OFFICER

**DARWIN C. BERCES**  
NETWORK CONTROLLER I



**ADOR T. SANCHEZ**  
ADMINISTRATIVE ASSISTANT II



**FRIA JOY B. SORIANO**  
DORMITORY MANAGER II



**ANTONIO T. BOMBITA**  
SUPERINTENDENT IV  
DIRECTOR



**MARBERT P. MORALES**  
ADMIN. AIDE I



**ROLANDO P. BALBIN**  
ADMINISTRATIVE AIDE I

## INFORMATION SERVICES SECTION (ISS)

**ANTONIO T. BOMBITA**  
SUPERINTENDENT IV  
DIRECTOR



**JAYVEE BRYAN G. CARILLO**  
SENIOR AGRICULTURIST



**EULA DEE A. LAÑADA**  
INFORMATION OFFICER II



**LILY D. DELA CRUZ**  
AGRICULTURIST II

**REINALYN C. GULEN**  
AGRICULTURIST II



**MARIEL B. BALDOZ**  
AGRICULTURIST I



**JAYSON B. NIDUA**  
DEV'T. MANAGEMENT OFFICER I



## PROJECT IMPLEMENTERS

NUESTRO, KRESTA N.  
PANGILINAN, ANNA ROSE G.  
PANGILINAN, ANJO G.  
PAULO, RICHARD C.  
PINEDA, JUSTINE P.  
PINEDA, MAURICE A.

RIVERO, MARY JOYCE B.  
ROME, REINA JOY L.  
SENDRIJAS, KENNETH D.  
SUSI, EZEKIEL ARONN R.  
TULLO, LAYLYN V.  
VIRAY, JANELLE R.





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