

	OFFICE OF THE PROVINCIAL AGRICULTURIST	SEPTEMBER
		MONTH
	Accomplishment Report	2023
		YEAR

PROGRAM/PROJECT ACTIVITIES	BRIEF DESCRIPTION	ACCOMPLISHMENT																																																				
<b>I. RICE DEVELOPMENT PROGRAM AND SERVICES</b>  a. Seed Assistance Program  a.1 Seed Production	<b>DA-PLGU Collaborative Project.</b> Commitment of individual accredited seed growers to provide certified seeds for buffer seed and stocking	<p>As of September 2023, for Wet Season (WS) crop 2023 a total of 242 local Seed Growers (SG) planted an area of 1640.26 hectares for Registered to Certified Inbred seed production and 13 hectares for foundation to registered seeds with 6 seed growers. Furthermore, about 229,918 bags @20kg and 66,023 bags @40 kg passed the seed certification. Varieties Planted in the Seed Production for Wet Season 2023 were as follows:</p> <table><tr><th>Province</th><th>Variety</th><th colspan="2">SEED CLASS PLANTED (ha)</th></tr><tr><td></td><td></td><td>F</td><td>R</td></tr><tr><td>Isabela</td><td>NSIC Rc 160</td><td></td><td>3</td></tr><tr><td></td><td>NSIC Rc 216</td><td>1</td><td>7.7</td></tr><tr><td></td><td>NSIC Rc 218</td><td></td><td>9.3</td></tr><tr><td></td><td>NSIC Rc 222</td><td>9</td><td>777.18</td></tr><tr><td></td><td>NSIC RC 436</td><td></td><td>241.49</td></tr><tr><td></td><td>NSIC Rc 480</td><td></td><td>124.85</td></tr><tr><td></td><td>NSIC Rc 508</td><td></td><td>188.27</td></tr><tr><td></td><td>NSIC Rc 512</td><td>3</td><td>262.57</td></tr><tr><td></td><td>NSIC Rc 514</td><td></td><td>11.3</td></tr><tr><td></td><td>PSB Rc 18</td><td></td><td>14.6</td></tr><tr><td colspan="2"><b>Total-----</b></td><td><b>13</b></td><td><b>1640.26</b></td></tr></table>	Province	Variety	SEED CLASS PLANTED (ha)				F	R	Isabela	NSIC Rc 160		3		NSIC Rc 216	1	7.7		NSIC Rc 218		9.3		NSIC Rc 222	9	777.18		NSIC RC 436		241.49		NSIC Rc 480		124.85		NSIC Rc 508		188.27		NSIC Rc 512	3	262.57		NSIC Rc 514		11.3		PSB Rc 18		14.6	<b>Total-----</b>		<b>13</b>	<b>1640.26</b>
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b.Technology Demonstration	<b>PLGU Funded. Initiated project of PLGU in collaboration with MLGU</b>  Establishment of Technology Demonstration showcasing Direct Seeded Rice with the use of drum seeder and also serve as the learning field.	Data gathering and Harvesting of the techno demo of the two FFS sites were done. In Malalinta, San Manuel, Isabela, the mechanical spreader got the highest yield (crop cut) of 8.5 t/ha followed by the mechanical transplanter with an average yield of 7.75 t/ha. The results of these two interventions were higher as compared to the conventional method which was the manual transplanting with an average yield of 7.5 t/ha. On the other hand, in Pabil, Ramon, Isabela the mechanical transplanter got an average yield (crop cut) of 10.5t/ha which was higher compared to conventional method with an average yield (crop cut) of 8.75 t/ha. Actual yield of both of the techno demo sites will follow since the crops are not yet harvested.																																																				

b.1. Technology Demonstration on Rice Production through Farm Mechanization

**PLGU Funded. Initiated project of PLGU in collaboration with MLGU** combination of lectures and hands-on training for farmer-participants to enhance their capacity and farming practices

However, the potential yield of both of the techno demo sites was affected due to typhoons and strong winds wherein the crops were lodged at early maturity stage. Summary of results of the yield data per FFS sites are shown at the table below.

Method of Planting	Panicle Length (cm)	Average Number of Grains/Panicle		Percent Filled Grains (%)	Crop Cut Yield (t/ha)	Remarks
		Filled	Unfilled			
Manual transplanting	24.66	189	37	83.6	8.75	The crops lodged due to Typhoons and strong wind
Mechanical transplanting	27	206	65	76	10.5	





Agronomic and yield results of techno demo at Pabil, Ramon, Isabela

Method of Planting	Panicle Length (cm)	Average Number of Grains/Panicle		Percent Filled Grains (%)	Crop Cut Yield (t/ha)	Remarks
		Filled	Unfilled			
Rice Spreader	26.65	220	66	77.73	8.5	The crops lodged due to Typhoons and strong wind
Mechanical Transplanter	25.47	212	67	76.53	7.75	
Manual Transplanter	28.55	232	133	63.56	7.5	




Prior to the conduct of field day and culminating activities, the team facilitated the conduct of data gathering activities (crop cut and counting of grains). The participants actively participated in which they enjoyed the counting of grains and manual threshing of the crop cut.



<p>b.1.1. Season-Long Farmers' Field School</p>		<p>The OPA team successfully conducted the culminating activities in the two FFS sites at Barangay Malalinta, San Manuel and Pabil, Ramon Isabela with a total of 43 participants which constituted of 23 from Malalinta and 20 from Pabil. During the culmination, aside from the certificate, each participant received 2 bags of organic fertilizers courtesy of Provincial Government of Isabela (PGI) and tokens such as umbrella and long sleeve shirts from SL-Agritech Corporation. Furthermore, each site also received 1 unit of Mechanical Rice Spreader as their incentives and for them to adopt the technology. As response, the MLGU representatives expressed their heartfelt gratitude to PGI and partner seed and fertilizer companies for choosing their municipalities as lucky beneficiaries of this project. Moreover, the testimonies of the participants were credited to the facilitators.</p> <div data-bbox="750 715 1495 1309">  </div>
<p>b.1.2 Provincial Rice Technology Forum (PRTF)</p>	<p><b>PLGU Funded. Initiated project of PLGU in collaboration with DA-RFO, MLGU and Private Seed Companies</b>  A technology showcase in cluster farms of the different hybrid rice varieties and technologies</p>	<p>Technical staff from OPA facilitated the conduct of Field Day of the Provincial Rice Technology Forum (PRTF) for the first season (WS 2023) at Barangay San Jose, Norte, Mallig, Isabela on September 19, 2023. A total of 400 participants from the barangays of Mallig and nearby municipalities attended the said activity. The program was attended and graced by Municipal Mayor of Mallig Hon. Jose Philip F. Calderon, Provincial Agriculturist Marites E. Frogoso, CVRC Manager Engr Rolando Pedro, Philrice Isabela Branch Manager Bartolome Joy Duldulao, and representatives from ATI, PCIC, NIA and seed and fertilizer companies. The program started with field tour followed by a formal program wherein the initial results of the techno demo were presented. As of September 19, 2023, about 10.16 t/ha (crop cut yield) was recorded as the top yielder and 5.5t/ha was the least. The crop cut and harvesting activities of the PRTF were on going and it will end at the 1st week October. However, the potential yield of the varieties planted in the techno demo field was affected due to typhoons and strong winds wherein the crops lodged at early maturity stage.</p>

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c. Good Agricultural Practices (GAP)	<b>PLGU Funded. Initiated project of PLGU in collaboration with MLGU</b> Training on Good Agricultural Practices (GAP) on Rice	Preparation of the needed documents for the conduct of training on Good Agricultural Practices (GAP) on Rice. Schedule of training will be set depending on the availability of the target participants.																																																			
d . Monitoring of Palay Price	Data collection of prevailing price per kilo of palay from the different commercial centers	Dry: Php24.15/kg Wet: Php 19.41/kg																																																			
e. Monitoring of Rice Planting & Harvesting	Data collection on the status of rice planting and harvesting	<p><b>PLANTING REPORT FOR THE MONTH OF SEPTEMBER 2023</b></p> <table><tr><th>Ecosystem</th><th>Area Planted (ha)</th></tr><tr><td>Irrigated</td><td>2,340.95</td></tr><tr><td>Rainfed</td><td>85.00</td></tr><tr><td>Total</td><td><b>2,425.95</b></td></tr></table> <p><b>HARVESTING REPORT FOR THE MONTH OF SEPTEMBER 2023</b></p> <table><tr><th>Ecosystem</th><th>Area Harvested (ha)</th><th>Production (Mt)</th><th>Average Yield</th></tr><tr><td>Irrigated</td><td>82,407.12</td><td>479,980.87</td><td>5.82</td></tr><tr><td>Rainfed</td><td>2,325.46</td><td>8,974.59</td><td>3.86</td></tr><tr><td><b>TOTAL</b></td><td><b>84,732.58</b></td><td><b>488,955.46</b></td><td><b>5.77</b></td></tr></table> <p><b>Standing Crop by Stage/s as of September 30, 2023</b></p> <table><tr><th rowspan="2">Stages</th><th colspan="3">Area (ha)</th></tr><tr><th>Irrigated</th><th>Rainfed</th><th>Total</th></tr><tr><td><b>Maturity</b></td><td>29,186.52</td><td>2,411.06</td><td>31,597.58</td></tr><tr><td><b>Reproductive</b></td><td>17,288.14</td><td>4,637.07</td><td>21,925.21</td></tr><tr><td><b>Vegetative</b></td><td>10,431.20</td><td>2,908.74</td><td>13,339.94</td></tr><tr><td><b>Seedling/NP</b></td><td>216.90</td><td>36.00</td><td>252.90</td></tr><tr><td><b>Total</b></td><td><b>57,122.76</b></td><td><b>9,992.87</b></td><td><b>67,115.63</b></td></tr></table>	Ecosystem	Area Planted (ha)	Irrigated	2,340.95	Rainfed	85.00	Total	<b>2,425.95</b>	Ecosystem	Area Harvested (ha)	Production (Mt)	Average Yield	Irrigated	82,407.12	479,980.87	5.82	Rainfed	2,325.46	8,974.59	3.86	<b>TOTAL</b>	<b>84,732.58</b>	<b>488,955.46</b>	<b>5.77</b>	Stages	Area (ha)			Irrigated	Rainfed	Total	<b>Maturity</b>	29,186.52	2,411.06	31,597.58	<b>Reproductive</b>	17,288.14	4,637.07	21,925.21	<b>Vegetative</b>	10,431.20	2,908.74	13,339.94	<b>Seedling/NP</b>	216.90	36.00	252.90	<b>Total</b>	<b>57,122.76</b>	<b>9,992.87</b>	<b>67,115.63</b>
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<div>II. INTERVENING ACTIVITIES</div> <div>a. Attendance and participation to Meetings/ Symposium</div>	<div>To keep abreast of the programs/projects</div>	<div>Attended the Municipal/City Agriculturists Meeting at DA-CVRC. The following Agenda were discussed during the meeting: Updates and Status of Seed Distribution of Hybrid and Inbred Seeds, Updates on the fertilizer distribution under National Rice Program of the Department of Agriculture (DA), PCIC Updates, Status of water level in Magat Dam and Updates of water deliveries of MARIIS and CIS and Climate Outlook by PAGASA.</div> <div data-bbox="862 585 1304 916"></div> <div>One staff of OPA attended the Planning Workshop conducted by the Agricultural Training Institute (ATI) regarding the Scaling of Rice Technologies in 2024 at Travelers Hotel, Subic, Zambales</div> <div data-bbox="774 1053 1073 1303"></div> <div data-bbox="1148 1053 1450 1298"></div> <div>b. Program/Project Coordination and validation</div> <div>For smooth implementation of program/ project</div> <div>Continuous coordination with the DA-RFO2 on the updates of the seed subsidy for Dry Season (DS) crop under National Rice Program (NRP) and RCEF. As per DA, the distribution of seeds was temporarily on hold while waiting for the approval of exemption coming from the COMELEC in connection to the election ban.</div>
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1. Monitoring and Consolidation of Corn Planting and Cassava Planting/Harvesting Reports																																																																																																		
a. Corn Crop	Data collection on the status of corn harvesting and cassava planting/harvesting from LGUs.	<div>Corn Planting Report-Dry Cropping Season 2023-2024 For The Month of September, 2023</div> <table><tr><th>Corn Type</th><th colspan="3">Corn Planting</th></tr><tr><td></td><th>Yellow (ha.)</th><th>White (ha.)</th><th>Total</th></tr><tr><td></td><td>622.30</td><td>0.00</td><td>622.30</td></tr></table> <div>Stages of Corn Crop as of September 30, 2023</div> <table><tr><th rowspan="2">Stages</th><th colspan="3">Area Planted (ha)</th></tr><tr><th>Yellow</th><th>White</th><th>Total</th></tr><tr><td>Vegetative</td><td>116.00</td><td>0.00</td><td>116.00</td></tr><tr><td>Seedling</td><td>506.30</td><td>0.00</td><td>506.30</td></tr><tr><td>Total</td><td>622.30</td><td>0.00</td><td>622.30</td></tr></table> <div>Corn Harvesting Report Wet Cropping Season 2023 For The Month of September, 2023</div> <table><tr><th>Corn Type</th><th>Area Harvested (ha.)</th><th>Production (mt)</th><th>Ave. Yld/ha</th></tr><tr><td>Yellow</td><td>6,947.97</td><td>31,632.135</td><td>4.55</td></tr><tr><td>White</td><td></td><td></td><td></td></tr><tr><td>TOTAL</td><td>6,947.97</td><td>31,632.135</td><td>4.55</td></tr></table> <div>Stages of Corn Crop as of September 30, 2023</div> <table><tr><th rowspan="2">Stages</th><th colspan="3">Area Planted (ha)</th></tr><tr><th>Yellow</th><th>White</th><th>Total</th></tr><tr><td>Harvested</td><td>51,600.43</td><td>263.25</td><td>51,863.68</td></tr><tr><td>Harvestable</td><td>20,286.35</td><td>183.94</td><td>20,470.29</td></tr><tr><td>Maturity</td><td>46,251.93</td><td>179.00</td><td>46,430.93</td></tr><tr><td>Reproductive</td><td>2,293.31</td><td>5.50</td><td>2,298.81</td></tr><tr><td>TOTAL</td><td>120,432.02</td><td>631.69</td><td>121,063.71</td></tr></table> <div>Note: (Deducted 2,132.00 ha. area totally damaged by ST Egay, ST Goring &amp; Dry Spell)</div> <div>Stages of Cassava Standing in hectare (ha) as of September, 2023 (CY 2023 Planting)</div> <table><tr><th rowspan="2">Stages</th><th colspan="2">CASSAVA (ha)</th><th rowspan="2">TOTAL (ha)</th></tr><tr><th>FOOD</th><th>INDUSTRIAL</th></tr><tr><td>Maturity</td><td>0.00</td><td>0.00</td><td>0.00</td></tr><tr><td>Reproductive</td><td>440.25</td><td>47.00</td><td>487.25</td></tr><tr><td>Vegetative</td><td>15.00</td><td>0.00</td><td>15.00</td></tr><tr><td>Total</td><td>455.25</td><td>47.00</td><td>502.25</td></tr></table>	Corn Type	Corn Planting				Yellow (ha.)	White (ha.)	Total		622.30	0.00	622.30	Stages	Area Planted (ha)			Yellow	White	Total	Vegetative	116.00	0.00	116.00	Seedling	506.30	0.00	506.30	Total	622.30	0.00	622.30	Corn Type	Area Harvested (ha.)	Production (mt)	Ave. Yld/ha	Yellow	6,947.97	31,632.135	4.55	White				TOTAL	6,947.97	31,632.135	4.55	Stages	Area Planted (ha)			Yellow	White	Total	Harvested	51,600.43	263.25	51,863.68	Harvestable	20,286.35	183.94	20,470.29	Maturity	46,251.93	179.00	46,430.93	Reproductive	2,293.31	5.50	2,298.81	TOTAL	120,432.02	631.69	121,063.71	Stages	CASSAVA (ha)		TOTAL (ha)	FOOD	INDUSTRIAL	Maturity	0.00	0.00	0.00	Reproductive	440.25	47.00	487.25	Vegetative	15.00	0.00	15.00	Total	455.25	47.00	502.25
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2. Monitoring of Price of Corn

3. 24.0-Hectare Isabela Provincial Corn Derby (IPCD) Farm Techno Demo cum Farmers Field School (FFS) Wet Cropping Season 2023

Data collection on prevailing price per kilo of corn from different trading centers in the province.

The 24.0 - Hectare Isabela Provincial Corn Derby (IPCD) Farm located in Brgy. Cabisera #2, San Antonio, City of Ilagan, Isabela is a PGI initiative project through OPA Corn Program that showcases the seed company's high yielding varieties with their production protocols and adoption of Balanced Fertilization Strategy (BFS) to improve fertilizer soil health improve and better .

The IPCD project has 27 farmer-participants attending the Seasonlong on-site Farmers' Field School (FFS).

Cassava Harvesting Report (CY 2022 Planting)

For the month of September, 2023

Corn Type	Area Harvested (ha.)	Production (mt)	Ave. Yld/ha
Commercial	250.00	2,250.00	9.0
Food			
TOTAL	250.00	2,250.00	9.0

Stages of Cassava Standing as of September, 2023  
(CY 2022 Planting)

Stages	CASSAVA (ha)		TOTAL (ha)
	FOOD	INDUSTRIAL	
Harvested	4,164.19	331.10	4,495.29
Maturity	1,187.50	1,369.31	2,556.81
Total	5,351.69	1,700.41	7,052.10

Average prevailing price of corn monitored from different trading centers for the month of September, 2023 as follows:

CORN			
	Yellow	White Flint	Glutinous
Dry	18.04	*	*
Fresh	11.56		

CORN DERBY cum FFS PROJECT PROFILE/STATUS

DISTRICT : District I

LOCATION : Cabisera #2, San Antonio, City of Ilagan, Isabela

COOPERATORS : 27 farmers

AREA : 24.0 hectare

ECO ZONE : Broadplain Area

DATE OF CROP : May 29,30 and June 1, 2023

ESTABLISHMENT

VARIETY : 8 participating Corn Hybrid Seed Companies

1. ASIAN HYBRID – J505

2. Corteva – P3585 YHR

3. VIGOUR – Mais Swerte

4. ADVANTA – PAC 339 VT2 Pro

5. Cornworld – CW-1777

6. BAYER – DK-8282S VT Double PRO

7. Syngenta – NK-6130

8. Bioseed – Healer H102G

4 participating Bio Fertilizer Companies

1. ENVIRO

2. BIOPRIME

3. AGRO TIGER

4. STOLLER

**Culminating Activity of the Isabela Provincial Corn Derby (IPCD)  
Farm Techno Demo cum Farmers' Field School held in Brgy  
Cabisera #2, San Antonio, Ilagan, Isabela on September 29, 2023.**

A total of twenty-four (24) farmer-participants of Barangay Cabisera 2 of the City of Ilagan have successfully completed the Farmers' Field School on September 29, 2023 an event organized by the Provincial Government of Isabela (PGI) through the Office of the Provincial Agriculturist (OPA) for sixteen (16) weeks.

The Provincial Agriculturist, Ms. Marites E. Frogoso together with Engr. William Contillo, APCO of DA-CVRC Isabela, Ms. Clarita Javier of the Department of Agriculture- Regional/Ilagan Soils Laboratory, Mr. Cenon Malillin of DA-RCPC, and the technical staff of the City Agriculturist Office of the City of Ilagan, Ms. Jenny M. Robles congratulated the graduates with a certificate of training as a fruit of their labors.

The activity was made to present the top eight corn varieties from crop-cut spearheaded by the OPA and the seed and bio-fertilizer companies together with the Local Government Unit, cooperators and barangay officials of the said barangay.

Moreover, the Isabela Provincial Corn Derby was made possible with the cooperation of private companies such as Enviro Scope Synergy Inc., Stoller Philippines, BioPrime, Agro Tiger, Asian Hybrid, Vigour Seeds, Bayer, Syngenta, Corteva, Cornworld, Bioseed, and Advanta.




**YIELD PERFORMANCES OF TOP 8 VARIETIES RANK BASED ON  
YIELD, ROI and COST/KG PER HECTARE IN THREE (3) INTERVENTIONS**

COMPANY TECHNOLOGY PROTOCOL/POT			
SEED COMPANY	VARIETY USED	YIELD (kg/ha)	ROI
SYNGENTA	NK-6130	5,312.42	69.55
CORNWORLD	CW-1777	4,948.87	62.21
ASIAN	J-505	4,846.22	68.08
BAYER	DK-8282S	4,536.98	45.17
ADVANTA	PAC339VTPro	4,375.95	27.77
CORTEVA	P-3585YHR	4,263.59	40.65
BIOSEED	HEALER 102G	3,511.39	20.4
VIGOUR	MAIS SWERTE	2,463.72	-0.52

BALANCE FERTILIZATION STRATEGY			
BIOFERTILIZER COMPANY	VARIETY USED	YIELD (kg/ha.)	ROI
BIOPRIME	NK-6130	5,243.62	43.4
BIOPRIME	Healer 102G	4,748.30	35.88
AGROTIGER	P-3585YHR	4,102.98	29.33
STOLLER	CW-1777	3,803.53	25.59
AGROTIGER	J-505	3,676.71	20.18
STOLLER	DK-8282S	3,585.79	8.8
ENVIRO	MAIS SWERTE	2,346.91	-14.32

SILAGE CORN PRODUCTION			
SEED COMPANY	VARIETY USED	YIELD (kg/ha)	ROI
BIOSEED	HEALER 102G	49,813.43	314.24
SYNGENTA	NK-6130	42,723.88	291.97
ASIAN	J-505	41,935.48	290.99
CORNWORLD	CW-1777	35,408.56	258.1
CORTEVA	P-3585YHR	35,102.74	243.16
BAYER	DK-8282S	23,741.01	99.7
ADVANTA	PAC339VTPro	23,076.92	86.06
VIGOUR	MAIS SWERTE	10,275.45	1.74



<p>4. Sustainable Corn Production in Sloping Areas (SCOPSA) cum Farmers Field School (FFS) Season 1,Wet Cropping Season 2023</p>	<p>Technology Demonstration for the control of soil erosion in hilly/sloping areas cultivated to corn with the Seasonlong on-site Farmers' Field School (FFS) involving 30 farmer participants.</p>	<p><b>SCoPSA cum FFS PROJECT PROFILE/STATUS</b></p> <p>DISTRICT : District IV LOCATION : Brgy. Dallao, Cordon, Isabela COOPERATOR : Jeanraytopher D. Lanila AREA : 2.0 hectare ECO ZONE : Hilly DATE OF CROP : June 3, 2023 ESTABLISHMENT VARIETY : NK-8840 HARVESTED : 4.0 MT/HA</p> <p>HEDGEROWS CROPS -Pineapple (planted – July, 2023) – Vegetative Development -Banana (planted – September, 2023) – Vegetative Development</p>  <p><b>FARMERS' FIELD SCHOOL (FFS) IMPLEMENTATION IN BRGY. DALLAO, CORDON, ISABELA</b></p> <p><b>September 5,12,19 and 26</b> - Week No. 6, 7, 8 and 9 Farmers' Field School (FFS) activity in the area attended by 28,32,27 and 25 farmer-participants respectively attended during the scheduled FFS activity in the area together with Misses Judith Agpalza and Euzelle Geronimo, AEWs of LGU-Cordon, Isabela.</p> <p><b>Highlights of the four (4) FFS sessions in the barangay;</b></p> <ul style="list-style-type: none"><li>▪ Practical field exercises at the SCoPSA Demo for data gathering and direct observations through AESA #6,7,8 and 9 processing and discussion.</li><li>▪ Facilitators guided the AESA learning process by illustrating the observed stake corn plants at 94, 101, 108 and 115 DAP in a manila paper focusing the corn ear development which also indicated the insects presence, disease, soil, weather condition and among other factors affecting the growth and development of the plant. Farmers were able to list down following observations and recommendations for discussion.</li><li>▪ Topics discussed were:<ol style="list-style-type: none"><li>1. Integrated Nutrient Management;</li><li>2. Sloping Agricultural Technology;</li><li>3. Pre and Post Harvesting Operation;</li><li>4. Chicken Integration and</li><li>5. Vermicomposting</li><li>6. Financial Literacy</li><li>7. Crop cut yield computation</li></ol></li><li>▪ Presentation of What Went Right and What Went Wrong for the 6<sup>th</sup> , 7<sup>th</sup> , 8<sup>th</sup> and 9<sup>th</sup> FFS activity in the area, and</li><li>▪ Planning was done for every week FFS activity.</li><li>▪ Conducted crop cut of the matured corn in the SCoPSA Demo area on September 26, 2023 prior its graduation ceremony.</li></ul>
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SCoPSA **DEMO SITE 2** BRGY. SAN CARLOS, ECHAGUE, ISABELA  
WET SEASON 2023

**SCoPSA cum FFS PROJECT PROFILE/STATUS**

DISTRICT : District VI  
LOCATION : Brgy. San Carlos, Echague, Isabela  
COOPERATORS : Victoria B. Saclayan  
Rigor Quindara



AREA : 2.0 hectare  
ECO ZONE : Hilly  
DATE OF CROP : June 10 and July 2, 2023  
ESTABLISHMENT  
VARIETY : NK-8840  
STAGE OF CROP : Harvestable – Hard Dough Stage (118 DAP) and  
Maturity Hard Dough Stage (89 DAP).

HEDGEROWS CROPS:  
-Pineapple (planted July, 2023) – Vegetative Development

**FARMERS’ FIELD SCHOOL (FFS) IMPLEMENTATION  
IN BRGY. SAN CARLOS, ECHAGUE, ISABELA**

**September 6,13,20 & 27** - Week No. 4,5,6 and 7, Farmers’ Field School (FFS) activity in the area attended by 27,27,27 and 23 farmer-participants attended during the scheduled FFS activity together with Mr. Tomas Pauig, Jr., AEW of LGU-, Echague, Isabela.

**Highlights of the four (4) FFS sessions in the barangay;**

- Practical field exercises at the SCoPSA Demo for data gathering and direct observations through AESA #4, 5, 6 and 7 processing and discussion.
- Facilitators guided the AESA learning process by illustrating the observed stake corn plants at 67, 74, 82 and 89 DAP in a manila paper indicating insects’ presence, disease, soil, weather condition and among other factors affecting the growth and development of the plant. Farmers

were able to list down following observations and recommendations for discussion.

- Presentation of What Went Right and What Went Wrong for the 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> FFS activity in the area, and
- Planning was done for every week activity.
- Topics discussed were:
  1. Insect Resistant Management (IRM);
  2. Integrated Nutrient Management (INM)
  3. Sloping Agricultural Land Technology
  4. Seeds and Seed Class
  5. Crop Diversification in the Corn-based Farming System
  6. Pre and Post Harvest Operation
  7. Fall Army Worm (life behavior, infestation & Control)



SCoPSA **DEMO SITE 3** BRGY. MASIPI EAST, CABAGAN, ISABELA  
WET CROP SEASON 2023

**SCoPSA cum FFS PROJECT PROFILE/STATUS**

DISTRICT : District I  
LOCATION : Brgy. Masipi East, Cabagan, Isabela  
COOPERATORS : 1. Rolando B. Gonzales  
2. Florentino Pascua  
3. Cornelio C. Ossao  
AREA : 2.0 hectare  
ECO ZONE : Hilly  
DATE OF CROP : June 14, 2023  
ESTABLISHMENT  
VARIETY : NK-8840  
STAGE OF CROP : Harvestable

HEDGEROWS CROPS:  
-Pineapple (planted July, 2023) – Vegetative Development  
-Banana (planted September, 2023) – Vegetative Development





FARMERS’ FIELD SCHOOL (FFS) IMPLEMENTATION  
IN BRGY. MASIPI EAST, CABAGAN, ISABELA

September 7 & 14 - Week No. 2 and 3 Farmers’ Field School (FFS) activity in the area attended by 39 and 43 farmer-participants attended during the scheduled FFS activity together with Misses Jessa Claire Acoba and Josephine Lacar, AEWs of LGU-Cabagan, Isabela.

**Note:** Other FFS activity schedules in the barangay for the month of September, 2023 were due to conflict dates of Barangay Assembly Meeting and Office activities which need to attend.

**Highlights of the FFS session in the barangay;**

- Practical field exercises at the SCoPSA Demo for data gathering and direct observations through AESA #2 and 3 processing and discussion.
- Facilitators guided the AESA learning process by illustrating the observed stake corn plants @ 87 and 94 DAP in a manila paper focusing the corn ear development which also indicated the insects presence, disease, soil, weather condition and among other factors affecting the growth and development of the plant.Farmers were able to list down following observations and recommendations for discussion.
- Planning was done for every FFS week activity.
- Topics discussed were:
  1. Insect Resistant Management (IRM);
  2. Soil Sampling Analysis
  3. Nutrient on corn leaves. Ears and roots
  4. Pre and Post Harvest Operation.




Received from LGUs copies of masterlist of farmer-beneficiaries for corn hybrid seeds and inorganic fertilizers under the CPEP project for consolidation, review and for PA/ADH signature.




5. Corn Production Enhancement Project (CPEP) under Corn Program of the Department of Agriculture

CPEP program shall cover yellow corn and starts on the first cropping of CY 2023 in priority corn production areas in Isabela province. It is a cluster organization (FCA) approach where cluster members are to be the beneficiaries of corn seeds and inorganic fertilizers.

<b>6. PLGU Livelihood Assistance to Tobacco Farmers in the Province of Isabela</b>	The Provincial Government of Isabela thru Hon. Governor Rodito T. Albano, III extended the provincial share from tobacco excise tax in the form of livelihood assistance to tobacco farmers	<p>Distribution of Livelihood Assistance to tobacco farmers entitled for Php 25,000.00 cash check and received 1 bag @ 20 kg each farmer in the following municipalities for the month of September, 2023, to wit;</p> <table><thead><tr><th><u>MUNICIPALITIES</u></th><th><u>NO. OF FBs</u></th><th><u>DATE OF DIST'N</u></th></tr></thead><tbody><tr><td>1. Tumauni</td><td>284</td><td>September 01, 2023</td></tr><tr><td>2. Sto. Tomas</td><td>68</td><td>September 02, 2023</td></tr><tr><td>3. Delfin Albano</td><td>91</td><td>September 02, 2023</td></tr><tr><td>4. Santa Maria</td><td>12</td><td>September 03, 2023</td></tr><tr><td>5. San Pablo</td><td>15</td><td>September 03, 2023</td></tr><tr><td>6. Benito Soliven</td><td>96</td><td>September 11, 2023</td></tr><tr><td>7. San Mariano</td><td>59</td><td>September 11, 2023</td></tr><tr><td>8. Gamu</td><td>176</td><td>September 13, 2023</td></tr><tr><td>9. Mallig</td><td>747</td><td>September 16, 2023</td></tr><tr><td>10. Quezon</td><td><u>196</u></td><td>September 16, 2023</td></tr><tr><td></td><td>1,744</td><td></td></tr></tbody></table> 	<u>MUNICIPALITIES</u>	<u>NO. OF FBs</u>	<u>DATE OF DIST'N</u>	1. Tumauni	284	September 01, 2023	2. Sto. Tomas	68	September 02, 2023	3. Delfin Albano	91	September 02, 2023	4. Santa Maria	12	September 03, 2023	5. San Pablo	15	September 03, 2023	6. Benito Soliven	96	September 11, 2023	7. San Mariano	59	September 11, 2023	8. Gamu	176	September 13, 2023	9. Mallig	747	September 16, 2023	10. Quezon	<u>196</u>	September 16, 2023		1,744	
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PROGRAM/PROJECT/ ACTIVITY	PROJECT DESCRIPTION	STATUS/REMARKS/ACCOMPLISHMENT
<div>III. HIGH VALUE COMMERCIAL CROPS DEVELOPMENT PROGRAM</div> <div>A. Operation and Maintenance of Provincial Nursery</div>	<div>PLGU initiated. Production of assorted vegetable seedlings for distribution to farmers.</div> <div>PLGU initiated. Production of sexually propagated fruit trees.</div>	<div>Produced a total of 263,313 pieces assorted vegetable seedlings which were distributed to 125 walk-in clients and distributed 7,430 packs of assorted vegetable seeds to one walk-in client farmers and 37 Farmer Cooperatives/Association.</div> <div>Distributed 36 pieces of assorted fruit tree seedlings to 2 farmer recipients and maintenance of produced 2,000 pieces of assorted fruit tree seedlings.</div> <div>Continues production of assorted vegetable and fruit tree seedlings, Production of vermicompost and production of assorted vegetables for seed purposes.</div> <div></div>

B. Monitoring of Planting		Conducted monitoring of planting reports within the whole province.																																																																																																																																							
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C. Meetings/ Trainings, Workshops and other activities attended/ conducted		<p>- The HVCC team together with the staff of different C/MLGUs spearheaded the area validation for the Halina't Magtanim ng Prutas at Gulay (HAPAG) sa Barangay project. The program aims to strengthen the capacities of the barangays toward sustainable agriculture initiatives by encouraging households and communities to produce fresh, healthy and affordable fruits and vegetables from their backyards and spaces through the establishment of community gardens in barangays' vacant areas. Validated/identified barangay will be awarded assorted vegetable seeds and seedlings.</p>																																																																																																																																							



Angadanan, Isabela



Echaque, Isabela

- OPA - HVCC staff together with the City/Municipal Agriculturists and staff of different C/MLGUs conducted the awarding of assorted vegetable seeds and seedlings to different barangay representatives. The HAPAG Project is a joint undertaking of the Provincial Government of Isabela and LGUs in support to the DILGs' aim to strengthen the capacities of barangays towards sustainable agriculture initiatives. Through intensification and fostering of agricultural activities such as barangay community gardening, wherein households and communities will be encouraged to produce fresh, healthy and affordable fruits and vegetables from their backyards and spaces through the establishment of community gardens in barangays with vacant areas.

City/ Municipality	Date of Awarding	Barangay beneficia ries	No. of seedlings (tray)	Seeds (kg)
San Manuel	Sept 1, 2023	6	60	6
Ramon	Sept 1, 2023	5	50	5
Angadanan	Sept 13, 2023	17	170	17
San Guillermo	Sept 13, 2023	8	80	8
Echague	Sept 13, 2023	19	190	19
San Mariano	Sept 15, 2023	11	110	11
Cordon	Sept 15, 2023	8	80	8
Total		74	740	74



Quirino, Isabela





San Manuel, Isabela



Ramon, Isabela



Angadanan, Isabela



San Guillermo,



Echague, Isabela



San Mariano, Isabela



Cordon, Isabela

-Attended the preparatory meeting for the upcoming 6<sup>th</sup> Regional Organic Agriculture Congress. The dry-run/presentation was held at DA – RFO 02, San Gabriel, Tuguegarao City, Cagayan. The presentation composing of provincial milestones/highlights and 3-year plan were presented by their organic focal persons. The program was attended by the concerned stakeholders, invited OA exhibitors and representatives from the provinces of Region II. For the final agreement, the Province of Isabela will host the congress with the theme, “Kabuhayang OA, Kinabukasang OA” and final dates was changed to 3<sup>rd</sup> week of October, tentative date - October 18 – 19, 2023, to be held at DA-CVRC Annex, Baligatan, Isabela.



- HVCC staff monitored the requested vegetable seedlings for backyard garden at Osmeña and Alibagu, City of Ilagan, Isabela and “Gulayan sa Paaralan” at Song-song Elementary School, Gamu, Isabela.








- Attended the Resilience building among smallholder farmers of selected upland farming communities at the province of Isabela; conducted the dissemination Workshop held at Bulwagan Ng Katutubo, ISU Cabagan; and the activity was facilitated by Director Weng Cabahug and Nemesis Ocampo of UPLB Agro-forestry and participated by MENRO, ENRO, PENRO, MA, DA and MPDC of municipalities Cabagan, San Pablo, Tumauni and PPDO of Provincial Capitol.



- Conducted validation for the possible areas for the Philippine Fiber Industry Development Authority (PhilFIDA) cotton production in the Municipality of Sto.Tomas, Tumauni and Sta.Maria, Isabela on September 26-27, 2023. PhilFIDA is an attached agency under the Department of Agriculture with the primary mandate to enhance the holistic development of the Philippine natural fiber industry such as abaca, cotton, silk, piña, among others through the implementation of appropriate, quality and timely support programs, projects and activities (PPAs). The main objective of this program is to produce cotton for the weaving and processing centers, which will create livelihood to interested individuals in the long run. In addition, PhilFIDA will provide a total amount of Twenty-three Thousand Nine Hundred Pesos (Php 23,900) for the production support per hectare composing of cost for land preparation, fertilizer (in-kind), insecticides and planting materials.



D. Monitoring of Price	<b>PLGU Initiated.</b> Data collection on prevailing market price of assorted vegetables from different commercial trading centers in the province.	<table><tr><th>VEGETABLE (Kilo)</th><th>Average</th></tr><tr><td>Ampalaya</td><td>47</td></tr><tr><td>Eggplant</td><td>43</td></tr><tr><td>Tomato</td><td>57</td></tr><tr><td>Sitao</td><td>39</td></tr><tr><td>Squash</td><td>30</td></tr><tr><td>Pechay</td><td>41</td></tr><tr><td>Okra</td><td>43</td></tr><tr><td>Onion Red</td><td>135</td></tr><tr><td>Onion White</td><td>129</td></tr><tr><td>Garlic</td><td>118</td></tr><tr><td>Ginger</td><td>54</td></tr><tr><td>Raddish</td><td>62</td></tr><tr><td>Sweet Potato</td><td>51</td></tr><tr><td>Taro</td><td>46</td></tr><tr><td>Labuyo</td><td>60</td></tr><tr><td>Pinakbet/Panigang</td><td>62</td></tr><tr><td>Damilig/Saba</td><td>18</td></tr><tr><td>Lakatan</td><td>45</td></tr><tr><td>Latundan</td><td>26</td></tr><tr><td>Calamansi</td><td>40</td></tr><tr><td>Habitchuelas</td><td>59</td></tr><tr><td>Papaya</td><td>16</td></tr><tr><td>Mango</td><td>78</td></tr></table>	VEGETABLE (Kilo)	Average	Ampalaya	47	Eggplant	43	Tomato	57	Sitao	39	Squash	30	Pechay	41	Okra	43	Onion Red	135	Onion White	129	Garlic	118	Ginger	54	Raddish	62	Sweet Potato	51	Taro	46	Labuyo	60	Pinakbet/Panigang	62	Damilig/Saba	18	Lakatan	45	Latundan	26	Calamansi	40	Habitchuelas	59	Papaya	16	Mango	78
VEGETABLE (Kilo)	Average																																																	
Ampalaya	47																																																	
Eggplant	43																																																	
Tomato	57																																																	
Sitao	39																																																	
Squash	30																																																	
Pechay	41																																																	
Okra	43																																																	
Onion Red	135																																																	
Onion White	129																																																	
Garlic	118																																																	
Ginger	54																																																	
Raddish	62																																																	
Sweet Potato	51																																																	
Taro	46																																																	
Labuyo	60																																																	
Pinakbet/Panigang	62																																																	
Damilig/Saba	18																																																	
Lakatan	45																																																	
Latundan	26																																																	
Calamansi	40																																																	
Habitchuelas	59																																																	
Papaya	16																																																	
Mango	78																																																	

PROGRAM/ PROJECT/ ACTIVITY	PROJECT DESCRIPTION	STATUS/REMARKS/ACCOMPLISHMENT
<b>IV. FISHERIES DEVELOPMENT PROGRAM AND SERVICES</b> A. Volume of Provincial Fish Production  1. Production Support Services 1.1. Fisheries production and dispersal at San Pablo Freshwater Fish Farm, San Pablo, Isabela	Consolidation of fish production report from various fishery resources (freshwater and marine)  Operation and management of existing fishery facilities to support the province's requirements for fish stocks	<div> <div> <b>Summary:</b>  Fishpond – 166.264 MT  Fishcage – 11.939 MT  SWIP – 18.037 MT  CBWs – 161.225 MT  Marine – 6.575 MT </div> <div> Municipal – 167.80 MT  Aquaculture – 196.24 MT  <b>TOTAL – 364.04 MT</b> </div> </div> <p>Maintenance of 3,000 pieces female breeders and 2,000 male breeders  Conducted routinary farm activities such as;</p> <ul style="list-style-type: none"> <li>- Collection and conditioning of tilapia fingerlings</li> <li>- Collection and conditioning of tilapia breeders</li> <li>- Water refilling of ponds and concrete tanks</li> <li>- Stocking of breeders in hapa</li> <li>- Feeding of stocks</li> <li>- Draining of ponds for pond preparation</li> </ul> <p>Backyard Fishpond</p> <ul style="list-style-type: none"> <li>- Area – 1.9 ha.</li> <li>- Fisherfolk served - 9</li> <li>- Fingerling dispersed – 90,000</li> <li>- Municipalities served – 4 (Sta. Maria, San Pablo, Cabagan and Tumauni, Isabela)</li> </ul> <p>Communal Bodies of Water (Magassi Creek and Kapayakan Lake)</p> <ul style="list-style-type: none"> <li>- Fisherfolk served - 25</li> <li>- Fingerling dispersed – 35,000</li> </ul> <div>   </div>
2. Pond Based Technology Demonstration Project cum Fisherfolk Field School	A season long activity showcasing semi-intensive polyculture technology demonstration project which aims to increase production and income of fisherfolk	<p>Conducted and facilitated the weekly activities of the Seasonlong Pond Based Semi-Intensive Polyculture Technology Demonstration Project cum Fisherfolk Field School (FFS) with the following activities:</p> <p>➤ September 01, 2023 – Mr. Dexter Balmaceda, Technical Staff of BFAR-PFO Isabela discussed and presented the catfish grow-out production and induced spawning to participants. Induced spawning typically involved manipulating environmental treatments to encourage catfish to release eggs and sperm. Catfish is second to tilapia in the aquaculture industry; it is marketed alive and can live long for days, palatable meat flesh, can grow in shallow ponds and can be reared in higher stocking density.</p> 



- September 08, 2023 – Fishery Laws Rules and Regulations were also discussed during the FFS activity specifically on the prohibitions on the use of electro fishing device, use of noxious substances in fishing, aquatic pollutions and the like, with the corresponding penalties of the violators as stated thereof. The activity aimed to protect the depleting fishery resources from illegal fishing activities.
- Sampling of fish stocks was done to determine adjustment of feeding ration. Average Body Weight (ABW) of 150 grams was recorded.



- September 15, 2023 – The Literacy Program for Fisherfolk was presented by Mr. Brainard Peter Liwanang, Technical Staff of BFAR-RO2. Financial Literacy Program for Fisherfolk aimed to guide fisherfolk in managing their resources properly. It is essential to help them manage their finances, make informed decisions, and secure their financial well-being. Some key aspects were also tailored to the needs of fisherfolk like: budgeting, savings, financial goals, income debt management, records keeping, insurance and investments. Tailoring financial literacy programs to the specific needs and circumstances of fisherfolk can empower them to make informed financial decisions and improve their overall financial well-being.
- The activity started with the Fish “N” Learn games by showing the participants how they will handle/decide for their money/income. Each participant was provided with a play money amounting to P1,800.00 and decide where to spend the money for 10 days with the following considerations: saving envelope, coop. passbook, saving passbook, micro insurance, investments and debit card. The OPA and BFAR Staff served as the bankers during the said activity.





- September 22, 2023 – Prior to the harvest field day, stock sampling was done to determine the average body weight (ABW) of stock and to adjust the daily feeding rate of the fish stock. Based on the sampling conducted, the ABW of the tilapia is 165g/piece and 150g/piece of Hito.
- Participants of the FFS were invited by their colleagues during the harvest field day of Mr. Edward Estacio, the cooperador of the techno-demo cum livelihood project on Polyculture Farming of Tilapia and Ulang, a techno-demo project initiated by the BFAR-RO2. Meanwhile, the pond area of the techno-demo project is 800 sq.m. with a stock of 2,400 pcs. tilapia (size 14) fingerlings and 1,600 pcs. of Ulang Post Larvae (PL). The target production for tilapia is 520.2 kg. and 25.6 kg. for Ulang. Based on the presentation, the projected ROI is 27.20%.
- The technical staff from BFAR-RO2, Municipal Agriculture Office Staff, OPA Staff, fisherfolk from different barangays of Quezon, and members of the PNP Quezon had attended the harvest field day.



- September 29, 2023 –Discussion and presentation of the Plant and Nursery Management aimed to produce a consistent supply of high-quality, safe, and nutritious vegetables for the market while practicing sustainable and environmentally responsible farming methods.
- During the activity, with the support of OPA-HVCC Division Staff had presented how to grow high-quality vegetable seedlings which is critical for increasing yields and obtaining high-quality produce. The system of producing vegetable seedlings is rapidly shifting away from open field nurseries. A hands-on demonstration was also performed to educate participants on how to properly transplant seedlings to seedling trays









3. Trainings

To strengthen  
Fisherfolk Associations  
through trainings and  
provision of livelihood  
support

Trainings conducted (No.) – 2  
Duration of training – 4 days  
Municipalities served – 2 (Cabagan and Santo Tomas, Isabela)  
Fishing Gears distributed – 32 set bottom set gill nets  
Fisherfolk Beneficiaries (No.) – 32

- The Training on Fishing Gear Construction aimed to provide environment friendly fishing gears and livelihood assistance to members of fisherfolk associations (rivers, lakes, etc.)
- Information dissemination on the existing Fishery Laws and Regulations (RA 8550) as amended by RA 10654 to including prohibitions and penalties for fisherfolk’s awareness.  
No. of fishery staff attended – 3



PROGRAM/PROJECT/ACTIVITY	PROJECT DESCRIPTION	STATUS/REMARKS/ACCOMPLISHMENT
V. RURAL WOMEN ORGANIZATION (RIC)	To strengthen and empower Rural Women sector in the formation of RIC and actively involved in Farm and Home Resource Management Service	<p>Facilitated the conduct of training on Bugnay Processing held at Brgy. Nacar, San Guillermo, Isabela. There were 25 active RIC women who attended the said training. Ms. Lorelie G. Valdez, owner of RLGU Industry served as the lecturer on hands-on activities on the fruit processing while Mr. Mark Kevin Manding discussed the packaging and labelling techniques and procedure.</p> <p>The finished product of bugnay will be fermented for 90 days prior to the complete packaging, labelling and safety management.</p> <div></div> <p>Successfully conducted the 3<sup>rd</sup> Quarter RIC Meeting with the following topics discussed:</p> <ol style="list-style-type: none"><li>1.Submission of RIC Master list/Enrollees</li><li>2. Status of Livelihood Project</li><li>3. Schedule of Training to be Conducted</li><li>4. Search for Outstanding Agricultural Achievers</li><li>5. RIC Achievement day</li><li>6. Other Matters</li></ol> <div></div> <p>The PLGU-OPA thru RBO Program conducted the Two (2) batches of Training on Fruit Processing, with Packaging, Labelling and Safety Management for Rural Women held at Brgy. Malalinta, San Manuel, Isabela on September 21, 2023 and MLGU Nursery Cabatuan, Isabela on September 22, 2023 with 35 participants per training. Invited speaker on the said training was Ms. Gloria T. Tagarian –RIC President of Isabela with the assistance of RBO staff. Present during the training were Municipal Agriculturist and staff of the said municipalities. Furthermore, the group also provided starter kit such as basin, dipper, pail, casserole, blender, weighing scale, knife, chopping board, mixing bowl, wooden ladle etc. needed to start-up their livelihood project.</p>

**San Manuel, Isabela**



**Cabatuan, Isabela**



Benchmarking Cum Training on Cacao Production Updates and Value-Addition in Cacao Beans was successfully completed by the 50 Rural Women particularly the RIC Federation officers and members of the Province namely:

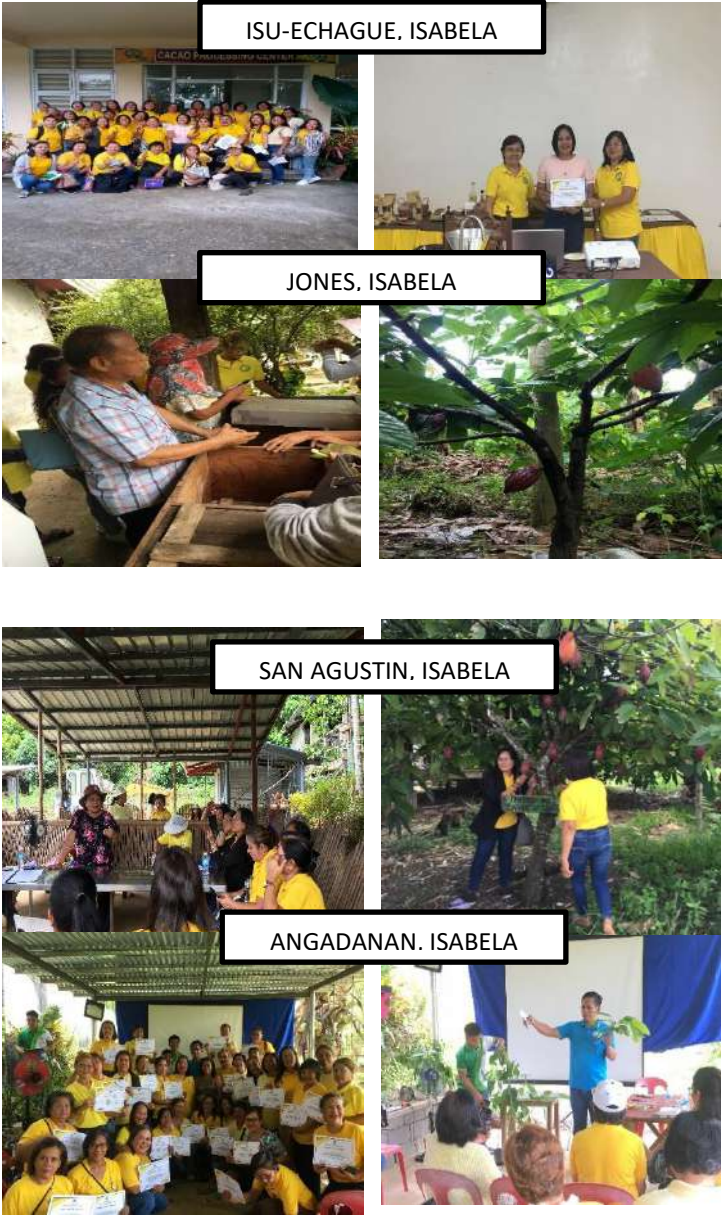
1. Cagayan Valley Cacao Center in ISU-Echague. Dr. Myleen Corpuz discussed the production of cacao and its processing and value addition.
2. Nicolas Integrated Farm- Brgy. Payac, Jones, Isabela. The owner, Mr. Edgar Nicolas shared his insights on initiating a cacao farm.
3. Cacao Production and Banana Processing Center- Brgy. Panang, San Agustin, Isabela. Ms. Juliet Guieb, the owner of the farm presented about her cacao plantation and finished products like tablea, hot chocolate and banana chips.
4. Valdez Integrated Farm located at Brgy. Bannawag, Angadanan, Isabela. Mr. Marcelo C. Valdez, the owner of the farm shared his expertise on how to do the marcotting and budding of Cacao plants. To conclude the benchmarking activity, certificates of participation were given to the attendees. These activities empowered the participants with the knowledge and skills necessary for the successful cacao production and processing and will ultimately enhance their livelihood opportunities.



**VI.Young Farmer  
Organization (4H Club)**

To encourage more youth/young farmers to participate in the program in support to their livelihood undertakings

Supervised and monitored the 4H members project on peri-urban gardening at Brgy. Linglingay Gamu, Isabela.



<b>VII. Philippine Agricultural and Fisheries Council (PAFC)</b>		<p>Recommended and endorsed to DA-RAFC 02 five (5) sectoral representatives to attend the Training on Competency Advancement in Policy Making and Engagement for Agricultural and Fishery Council (AFC-CAPE) (September 18-22, 2023)</p> <p>-Disseminated and recommended potential partners and volunteers group and organization to the National Soil Health program for the establishment of Community Soil Health Clinic with the objectives of sustainable production and profitability.</p>
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Prepared/Consolidated by:

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