



Rice-Based Farming System: My Experiences

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Why do I practice rice-based farming system?

Grew up in farming

Source of income

Livelihood/business

How did I start?

Was given a piece of land

Hired caretaker to manage farm

Attended training in *PalayCheck*®

Managed my own farm

What have I established



Vegetable gardening

Livestock raising
(swine, cows, carabao)

Poultry raising
(Chicken, turkeys,
Ducks, Geese)

Rice production
commercial, seeds)

Aqua culture
(Tilapia, Hito)

The benefits



Source of food for the family

Source of income for the
needs of the family
(education, health, shelter,
clothing)

Source of capital for farming
expenses (inputs,
machinery, salary)

**Alternative support during
emergency cases**

Savings

What do I do to improve my practices?



Attend farmers' field school (FFS) and other farming related trainings

Joining farming-related educational tour

Participating in association's activity

What do I do to improve my practices?



Practice what I
have learned

Enjoying life
as a farmer

My endeavors in rice-based farming



- Conducts FFS
- Establish demonstration trials for rice
- Lead the *Bantay Peste*
- Conducts feed backing, validation, and monitoring
- Conducts monthly meeting, prepares and submits reports/ recommendations to the Provincial Coordinator

The fruits of my labor



**Rice Achiever's Awardee for
Local Farmer Technicians
– Department of Agriculture**

**2nd Place Model Farm Under
the RIC Program
– Province of Iloilo**

**Certificate of Merit on High
yield increase and High yield
– PhilRice Negros**

Be a farmer and enjoy life



Rice-based Farming System in Cabugao, Bacuag, Surigao del Norte

Fortunato “Tungay” Paje, Jr.

Farmer Cooperator, Magsasakang Siyentista

MULTI-HAZARDS MAP CARAGA REGION



- LEGENDS**
- Cities
 - Ground Rupture/Faultline
 - Provincial Map
 - Municipal Map
 - Rain-Induced Landslide
 - Liquefaction
 - Flood
 - Storm Surge



Source: MGB

Family Background

Age: 58 yrs. old

Education Background: College Level

of Years in Farming: 40 years

Wife: Lucita D. Paje

Household Members: 7

Farm area: 6ha

Tenural Status: Tenant

Problems:

- ▶ Yellowing of rice plants
- ▶ Stunted growth

MOET Set-up



Recommendation
Rate (kgNPK/ha)*
63-61-51+ 4kg ZnSO4

MOET result in Cabugao, Bacuag, Surigao del Norte showed that it lacks of N, P & S

Varietal trial 2012

- GSR 5
- GSR 8
- GSR 12a
- GSR 11
- NSIC Rc286
- PSB Rc14 - Farmers variety
- NSIC Rc284 - Check variety
- NSIC Rc192 - Check variety
- NSIC Rc9 - Check variety



Varietal Trial Results

Varieties /Lines	Maturity (DAS)	Plant height (cm)	No. of productive tillers	No. of filled spikelets	No. of unfilled spikelets	Wt. of 1000 grains	Average yield (t/ha)
GSR 5	116	89.06	16.08	147.37	31.33	24.4	7.11
GSR 8	116	96.30	13.67	137.90	43.27	21.47	7.03
GSR 12a	116	90.24	15.17	125.00	19.63	22.87	6.78
GSR 11	110	91.86	18.75	105.18	23.74	26	6.52
NSIC Rc286	118	108.56	13.50	89.57	25.78	28.37	6.26
PSB Rc14 -Farmers Var.	107	90.67	14.42	141.43	30.10	23.95	6.05
NSIC Rc284 -Check	118	99.17	14.58	86.90	31.37	25.8	6.04
NSIC Rc192- Check	100	98.67	10.33	72.53	45.92	23.1	5.82
NSIC Rc9- Check	104	126.94	10.75	98.69	34.61	23.8	5.61

Coping Mechanisms

Plant drought tolerant rice lines



Rice crop at Panicle Initiation stage affected by drought on 2014



Yield

GSR Lines	Date Harvested			
	2013 (Dec-Mar)	2014 * (Dec-Mar)	2015 (Dec-Mar)	2016 ** (Dec-Mar)
GSR 11	5.6t/ha	3.7t/ha	5t/ha	4.9t/ha
GSR12a				

* drought condition

** BPH infestation

Rice-duck



Duck Eggs



Watermelon Production



Corn Production



Nipa Shingles



Nipa Wine Production

“Laksuy”



Chicken Raising



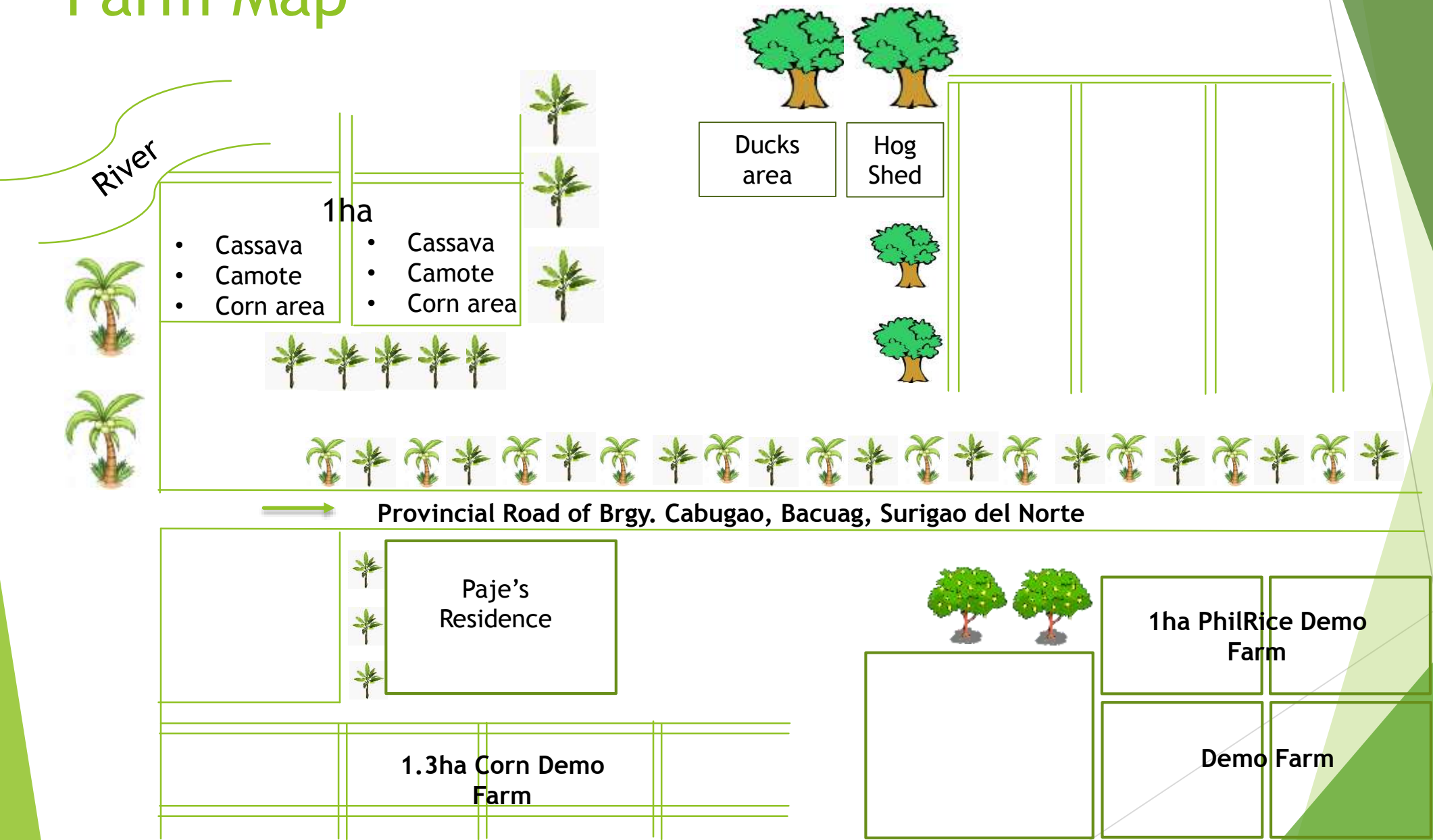
Carabao Production



Hog Raising



Farm Map



Impacts

- Sent children to school

Name	Age	Educational Attainment
Thucy Michael	28	BSIT major in Electronics
John	26	BSIT major in Architectural Drafting
Nikko	24	Geodetic Engineer
Zyren Rose	18	3 rd Year College (BS in Accountancy)
Fortunato, Jr.	16	2 nd Year College (BS in Architectural Eng'g.)
Jehnesse	14	Grade 9
Quinielyn	12	Grade 6

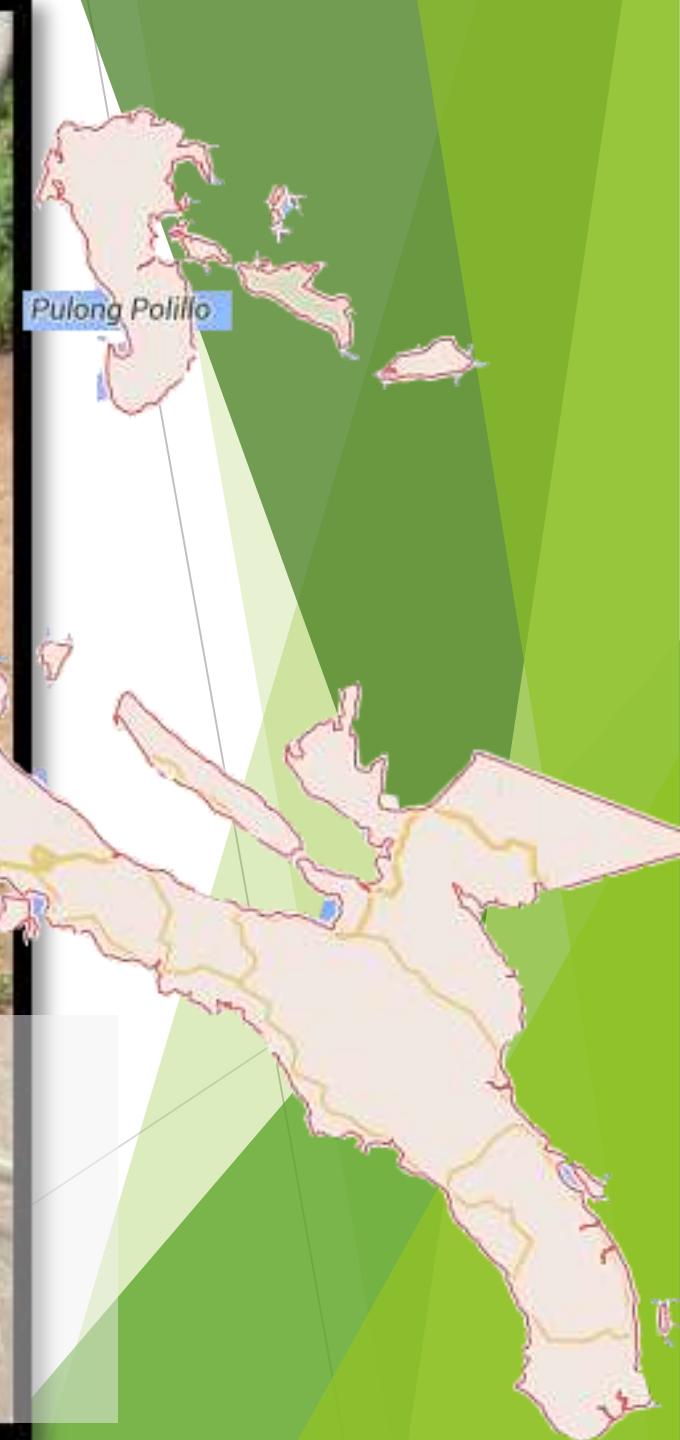
- Acquired assets: TV, Computer, Motorcycle, Washing Machine, Refrigerator



Have a
RICE day!



**Community-based Upland
PALAYAMANAN
in Macalelon, Quezon**





Ang simula:

- ▶ 2011: Location-Specific Technology Development (LSTD)
Program bilang Farmer Participant
- ▶ 2012-2015: Upland Rice Development Program (URDP)
bilang Farmer Cooperator at Local Farmer Technician
(LFT)
- ▶ 2015-2016: Profiling Project bilang LFT at Upland Seed
Producer



Local Farmer Technician (LFT)



Courtesy call in Provincial
Government of Quezon



Zonal Training of LFTs in
PhilRice LB



Courtesy call in Municipal
Agriculture Office of Macalelon



Local Farmer Technician (LFT)

Farmer's Field School





Field Day and FFS Graduation







awards this

Certificate of Recognition

to


RICHARD BALANE


for being an

Outstanding Local Farmer Technician in CALABARZON

given this 27th day of October 2015

during the National Convention for Local Farmer Technicians
at the Crown Regency Suites and Residences-Mactan
Maximo Patalinghug Jr. Avenue, Lapu-Lapu City, Cebu.


Engr. CHRISTOPHER V. MORALES
OIC-Director, Field Operations Service


A/Sec. EDILBERTO M. DE LUNA
National Rice & Corn Programs Coordinator

Certificate of Recognition as Outstanding LFT for
CALABARZON (2015)



Community-based **Palayamanan in the Uplands**



Palayamanan in the Uplands

Olong-tao, Macalelon, Quezon

Livestock



Upland Rice



Ginger Production



Pineapple



Upland Rice





Palayamanan in the Uplands

Olong-tao, Macalelon, Quezon



Contour Planting: Rice as main crop and Corn as Hedgerow

Vegetable Seedling Production



Vegetable Production





Palayamanan in the Uplands

Olong-tao, Macalelon, Quezon



Copra



Sweet potato (Kamote)



Mungbean (Munggo)





Community Seed Bank (CSB)



Community Seed Bank (CSB)





Community Seed Bank **(CSB)**

Seed Repayment Monitoring



Mr. Ariel Avila (AT) and Richard Balane (LFT) of Macalelon facilitates monitoring of seed repayment



Community Seed Bank (CSB)

Processing Seed Repayments



Hauling of seeds with LFTs (George and Richard)

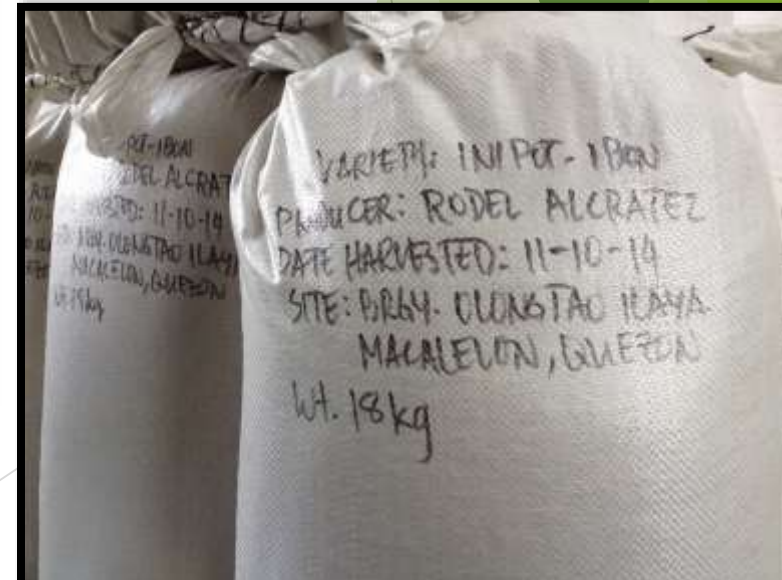
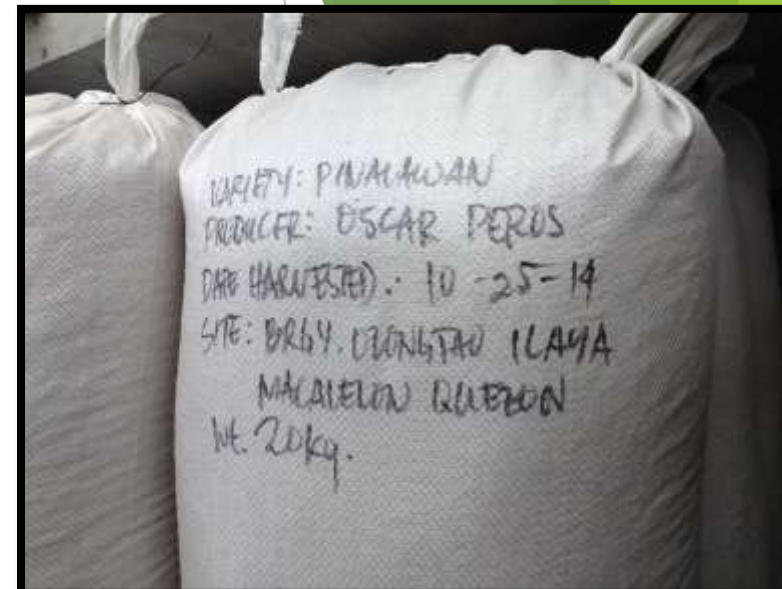


Seed cleaning of repayment



Community Seed Bank (CSB)

Repacking of Seeds





Community Seed Bank (CSB)

**Seeds Ready for Distribution to
different provinces of Region IVA
(CALABARZON) and some parts
of Region IVB (MIMAROPA)**





Seasonal Planning Meeting of Olongtao Upland Farmer's Organization with PhilRice





Awarding of Mini-thresher with Sir Ruben Miranda from Profiling Project





The Palayamanan Model Farm as a venue for students to conduct their class projects, thesis, and internship



Thesis Students from FAITH
(Batangas)



Thesis Student From UPLB



Student Interns from UPLB



Assisted students in their studies





***Mula sa pagiging isang simpleng magsasaka,
naging isang farmer leader na nakararating sa
ibat-ibang bahagi ng Pilipinas at ngayon ay
nasa harapan ninyo para sabihin na talagang
may buhay sa pagsasaka.***



Maraming Salamat po!