

Climate Resilient Agriculture office (CRAO)

Department of Agriculture

Special Farm Weather Outlook and Advisory for CALABARZON Region as of 8:00 am Oct. 14, 2020



Republic of the Philippines DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE NO. 4A Research Division



Marawoy, Lipa City Batangas

Building Climate-Resilient Livelihoods and Agrifisheries Communities

SPECIAL FARM WEATHER OUTLOOK AND ADVISORY FOR CALABARZON REGION

SEVERE WEATHER BULLETIN#6

as of 8:00 AM, October 14, 2020

TROPICAL DEPRESSION "OFEL"

Maximum Sustained Wind: up to 45km/hr near the center Gustiness: Up to 55km/hr Movement: Moving North Northwestward at 25km/hr

Forecast Positions and Intensities Oct 15: 140km West of Calapan, City Oriental Mindoro Oriental Mindoro

Oct 17: 1,015km west of Southern Luzon

Effect in CALABARZON Region:

Today through tomorrow morning: 'Ofel" will bring Moderate to Heavy rains with occasional Intense rains in CALABARZON region

Tropical Cyclone Wind Signal: Signal No. 1: Northern Samar, Eastern Samar,

Samar, Biliran, Batangas, Southern portion of Laguna(Luisiana, Majayjay, Liliw, Nagcarlan, Rizal, San Pablo City, Calauan, Alaminos, Los Banos, Bay, Magdalena), Southern Portion of Quezon (Guinavangan, Tagkawayan, Buenavista, San Narciso, San Andres, Mulanay, San Francisco, Catanauan, Lopez, Calauag, Quezon, Alabat Perez, Atimonan, Tayabas City, Mauban, Sampaloc Lucban.

Gumaca, General Luna, Macalelon, Pitogo, Unisan, Oct 16: 570km West of Calapan, City Plaridel, Padre Burgos , Agdangan, Pagbilao, Lucena City, Sariaya, Candelaria, Dolores Tiaong, San Antonio) and Burias Island

Issued by DOST- PAGASA

Source: http://bagong.pagasa.dost.gov.ph/tropicalcyclone/severe-weather-bulletin/2.

CLIMATE RESILIENT AGRICULTURE PRACTICES

- Disseminaton of Weather Advisories. Dissiminating typhoon forecast in Local Government Unit's to do their precautionary measures.
- Evacuation of livestock. Evacuate the livestock in the designated evacuation center. Practice cut and carry feeding. Store feeds/silage enough or last for one month consumption Administer vitamins before the tropical depression and antibiotic after to guard them from

* Functional drainage . Clear the irrigation canals from weeds and silt to prevent clogging and water stagnation that may cause flooding.

- High Value Crops. Conduct early harvesting.
- Pruning of Fruit Bearing Trees.
- Early harvesting for fisheries to prevent fish kill and loss in the production of fisheries

Secure seeds for rehabilitation. If planting was already conducted, secure from cofarmers or from the community-seed bank the needed seeds for rehabilitation.

- Delay planting.
- Pre-emptive evacuation. Follow the orders released by your Local Government Units.
- * Stay at the evacuation center or at your safe homestead. Avoid going outside to check

After the Typhoon

 Risk transfer from Philipine Crop Insurance Corporation. For areas damaged crops, livestocks, and fishery, document it and report to the Municipal/City Agriculture Office fM/CAO.). File Indemnity Claim from PCIC. For non-RSBSA farmers, there is an on-going registration of farmers. Visit your M/CAO. For the incoming wet season planting, insure the farms prior to planting

IMPACT OUTLOOKS

RICE AND CORN STANDING CROP: May affect rice and corn production which are at reproductive and maturity stage.

HIGH VALUE CROPS: Approximately a total of 15,000 and above vegetables farmer may be affected.

Livestock: Possible, drowning of large and small ruminants and respiratory diseases in poultry productions.

Fruit Bearing Trees: Fruit tree in Flowering to Reproductive stage possibly affected of heavy rain and strong winds.

Flooding in low-lying areas and flood-prone areas may happen.

Furthermore, rain-induced landslide may threaten upland communities. *POSITIVE IMPACT: Availability of moisture to soil is conducive for crops in

the seedling and vegetative stages.

DA RFO 4A SUPPORTS

Pre-positioned planting materials and other farm inputs *Farm machineries stationed in the DA RFO 4A, APCO's and Research Station in every province Buffer stock for rehabilitation after the Typhoon *Climate Information services



Adaptation & Mitigation Initiatives in Agriculture

Climate Information Service

- Localized climate information are effective early warning tools for agr-fisheries
- Provides 10 –day, monthly to seasonal weather forecast
- Translated to farm advisories
- Bases for farm management & operations
- Minimize losses on labor and inputs
- Lesser damages on crops and infrastructures
- Greater productivity and incomes

Existing CIS initiatives for agri-fishery in the country

LGU	Dumangas Climate Field School,
	since 2007

CSO

NGA

Rice Watch and Action Network (R1) model on Localized Climate Services and the Climate-Resiliency Field School – e.g. Gerona, Tarlac

BSWM's agromet projects and enhanced FFS AMIA Village – e.g. Pamplona, Camarines Sur



Republic of the Philippines DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE NO. 5 San Agustin, Pili, Camarines Sur, 4418



Building Climate-Resilient Livelihoods and Agrifisheries Communities

SPECIAL FARM WEATHER OUTLOOK AND ADVISORY FOR BICOL REGION as af 5-00 AM, May

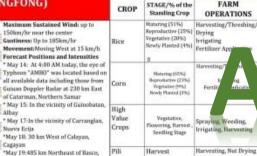
May 20: 1,815 km Northeast of Extreme

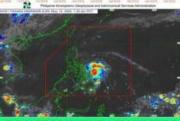
Propical Cyclone Wind Signal no.

Hicol Region

TCWS No. 2: Catand of Camarines Sur as of 5:00 AM, May 14, 2020 COMMODITIES

TYPHOON "AMBO" (VONGFONG) Track of Typhoon "AMBO" [VONGFONG] Maximum Sustal 150km/hr near ti Gustiness: tilp to Movementi. Movit Forecast Positio "May 14: At 4:di. Typhoon "AMBO" all available data Guinan Doppler B of Catarrana, North Ambo" all available data to May 15: bits the Walbay "May 17: In the vi Noreta Ecija "May 11: 10 km V Cagayam "May 19: 485 km "May





CLIMATE RESILIENT AGRICULTURE PRACTICES

Before the Typhoon:

• Die of posthurvest muchineries. Expedite harvesting by using combin mechanical dryers available at the Department of Agriculture 8P0 5 or in Government Units (og. Gore Combine Harvester, and Rice Combine Harve to be used after the typhoon. Store the harvested and dried grains in an elbased seedbank or in safe warehouses.

Available machines:

- A. Coru : Coru Combine Harvester: Camarines Sur: 6 units, Masbate: 2 un Mechanical Byer: Albay-6; CN - 1; CS-26 and Masbate-6 units
- B. Rice: Rice Combine Harvester: Albay: 9 units CS: 36 units, CN: 7 units, Sursogon: 9 units; Mechanical Dryer: Albay: 3 units, CS: 13 units, Sursogon: 9 Evocuation of Residuck: Evacuate the livestock in the designated evac
- Roccuetion of Restock: Evacuate the Investock in the designated evac.
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- Pre-emptive evacuation. Follow the orders released by your Local Gov During the Typhage.
- Stay at the evacuation center or at your safe homestead. Avoid going damages.

IMPACT OUTLOOKS

public of the Philippines
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD OFFICE NO. 5
San Agustin, Pili, Camarines Sur, 4418
http://bicold.ago.yph

Building Climate-Resilient Livelihoods and Agrifisheries Communities

REGIONAL SEASONAL CLIMATE OUTLOOK AND ADVISORY

October 2020 - March 2021

CLIM	IATE OU	TLOOK
	SUMMA	RY

☐ Recent cooling of SSTs have reache La Nina condition; ☐ La Nina Advisory will be issued in October 2020.

October 2020;

□ ENSO Alert System Status: LA NO

1



Month	Tropical				Dry	Tail end of cold front						
	Cyclones	Prov	Oct	Nov	Dec	Jan	Feb	Mar	Thunderstorms Southwest Moonsoon			
Oct	2 OR 3	ALB	10	9	7	-11	13	14	Intertropical Convergence Zo (ITC2)			
New	1 OR 2	CN	- 8	- 6-	4	9	.9	16	Ridge High Pressure Areas			
Dec	1 OR 2	CS	10	- 8	. 6	12	13	16	• Easterlies			
Ian	1 OR 2	CAT	12	9	8	16		Transistion to NE (Oct-Nov) Northeast Moonsoon				
Feb	O OR 1	MAS	16	14	12	14	15	20	Low Pressure Areas			
Mar	0 OR 1	SOR	12	9	6	7	9	11	Tropical Cyclones			

WEATHER SYSTEMS THAT MAY AFFECT THE REGION

						F	OREC	AST RAI	NFAL	L ANA	LYSI	S¹						
Prov	October 2020			November 2020			December 2020			January 2021			February 2021			March 2021		
	Normal (sem)	formant (mm)	Northal Northal	(terms)	furteast (mm)	Northall Northall	Surmal (mm)	forecast (mm)	Normal Burmal	Normal (mm)	fureeza t(mm)	Normal Normal	termal (==)	forecast (mm)	Normal Normal	Surtaul (most	funcat (mm)	North Australia
ALB:	349.2	443.2	1267	457.4	521.7	1165	463.2	697.5	151,8	276.5	472.7	171.1	204.1	256.6	123.7	170.3	294.4	174.6
CN.	454.5	586.5	129.2	490.8	584.1	1196	504.5	803.9	154.5	255.0	363.2	146.8	174.9	210.8	7195	144.3	262.1	181.2
CS:	401.4	518.4	129.3	439.2	515.2	110.3	475.8	755.3	156.0	258.5	403.3	156.6	175.8	214.8	120.4	149.2	267.3	179.7
CAT	386.6	484.5	125.5	442.0	472.0	1075	465.8	700,3	150.9	269.5	489.3	186.3	159.4	175.9	110-5	150.4	247.8	167.6
MAS	282.9	369.6	131.7	300.4	335.4	1972	316.6	504.1	152.7	183.7	331.2	179.6	118.9	144.5	115A	103.4	200.3	197.8
SOR	326.1	412.4	127.0	420.9	469.6	112.4	451.1	682.4	154.1	293.2	524.3	178,6	205.2	263.3	124.8	169.4	298.0	179.5

DITO PO SA AMIN

Naka-text na ang 'weather advisory' sa mga magsasaka



'Talaga naman, ang farm weather outlook at advisory ay tuluyang gabay namin sa pagtatanim, mula pagbungkal ng lupa hanggang paglalagay ng pataba.'

DATI RATI, umassa long ang

Mahirap talaga hanggang

pumasok ang programang AMIA

magsasaka at mangingisda.



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San Agustin, Pili, Camarines Sur, 441 http://bicol.da.gov.ph

Building Climate-Resilient Livelihoods and Agrifisheries Communities

MASBATE

PROVINCIAL SEASONAL CLIMATE OUTLOOK AND ADVISORY

October 2020 - March 2021

CLIMATE OUTLOOK SUMMARY

Discount cooling of SST's have reached La Niesa condition:

ULa Nina Advisory will be issued in October

☐ La Nina Advisory will be issued in October 2020: ☐ ENSO Alert System Status: LA NIÑA ALERT





Tropical



WEATHER SYSTEMS THAT MAY AFFECT THE REGION



- Thunderstorms
 Southwest Mounsoon
- Intertropical Convergence Zone
 [FFCZ]
- Ridge High Pressure Areas
- Easterlies
 Translation to NE (Oct. Nov.)
- Transistion to NE (Oct-Nov)
 Northeast Monnsoon
- Low Pressure Areas
 Tropical Cyclines
- | Column | C

All Climate Forecast/Information is based on EL NIÑO & CLIMATE OUTLOOK (September 2020 - February 2021, issued by PAGASA. Source:

Way below normal (<40%); Below normal (41%-80%); Normal (31%-120%); Above Normal (>120%)

Points for CIS implementation

CRITICAL DATA

- Knowledge of crops-weather relationship (phenology)
- Forecast or weather outlook
- Risk management/farm advisories
- Climate Resilient Agriculture (CRA) options

ACTORS

PAGASA
DA RFOs
CSO, LGUs, AEWs
Farmers Group

- Forecast provider
- Translator of forecasts into risk management/ farm advisories
- Communicator of warnings

PROCESSES

- Translation of forecasts into risk management/farm advisories
- Dissemination/ Communication of advisories

Challenges in Climate-based EWS/CIS in Agriculture

Based on actual lessons in CIS implementation

- How often should the advisory services be? (R1 model provides for rapid onset, 10 days, seasonal)
- Who should translate the forecasts into risk management/ farm advisory? Translation to be easily understood (local dialect)
- Knowledge of risk management options (technical experts/localindigenous experiences)
- Communication strategies to immediately reach communities
- Access of farmers to risk management technologies, especially in emergency situations (e. g. Tropical Cyclones)

The preparation and dissemination of farm and fishing advisories based on climate and weather outlook is one of the basic critical services to be provided by DA Regional Field Offices

....on mainstreaming Climate and Weather Advisories Memo Circular No. 4, series 2020





Adaptation and Mitigation Initiatives in Agriculture AMIA



CLIMATE RESILIENT AGRICULTURE OFFICE

DA Support Loan Programs

A. Expanded SURE-Aid & Recovery Project

Micro and Small Enterprises (MSEs)

- ✓ Up to P 10M loanable amount
- ✓ Zero (0%) interest rate
- ✓ Payable up to five (5) years

Marginalized, Small Farmers & Fishers (MSFF)

- ✓ P25,000 loanable amount per household
- ✓ Zero (0%) interest rate
- ✓ No collateral
- ✓ Payable up to ten (10) years



DA Support Loan Programs

B. Agri-Negosyo (ANYO)

Micro Agri-Negosyo

- ✓ Up to P 300,000 loanable amount
- ✓ Zero (0%) interest rate
- ✓ Depends on the cash flow of the project, but not to exceed five (5) years

Small Agri-Negosyo

- ✓ From P 300,000 up to 15M loanable amount
- ✓ Zero (0%) interest rate
- ✓ Depends on the cash flow of the project, but not to exceed five (5) years



DA Support Loan Programs

C. Kapital Access for Young Agriprenuers (KAYA)

KAYA Program will finance capital requirements of start-up or existing agribased projects of young entrepreneurs and agri-fishery graduates aged 18-30 years old.

- ✓ Up to P 500,000 loanable amount
- ✓ Zero (0%) interest rate
- ✓ Depends on the cash flow of the project, but not to exceed five (5) years



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