



## MONTHLY CLIMATE ASSESSMENT AND OUTLOOK

### OVERVIEW

- El Niño Southern Oscillation (ENSO)-neutral condition persists over most of the tropical Pacific Ocean. Majority of climate models predict ENSO-neutral conditions to continue through the remainder of the year 2019 until first quarter of 2020.

### Assessment in September 2019

## WEATHER SYSTEMS THAT AFFECTED THE COUNTRY

#### SW SOUTHWEST MONSOON (HABAGAT)



Warm moist winds from the southwest causing rains over the western portion of the country from May to September

#### L LOW PRESSURE AREA (LPA)



Areas of lowest pressure characterized by cloudiness and rainshowers; areas where a tropical cyclone can form

#### ⚡ LOCALIZED THUNDERSTORM

Isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rain.

#### 🌀 5 TROPICAL CYCLONES

- Tropical Depression (TD) "Kabayan" (September 01)
- Typhoon (TY) "Liwayway" (September 01-05)
- Tropical Depression (TD) "Marilyn" (September 12-14)
- Severe Tropical Storm (STS) "Nimfa" (September 17-20)
- Typhoon (TY) "Onyok" (September 28-30)

## RAINFALL CONDITION



**WAY BELOW NORMAL**

Greater than 60% reduction from the normal\*



**BELOW NORMAL**

20%-60% reduction from the normal

Rest of the country



**NEAR NORMAL**

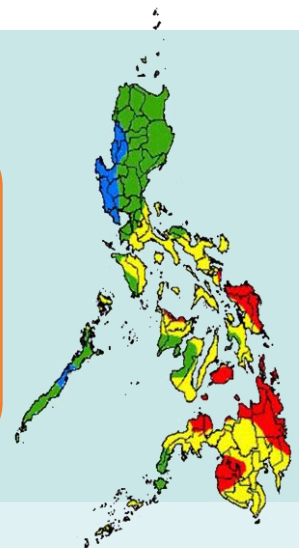
+20% or -20% from the normal



**ABOVE NORMAL**

120% greater than the normal

Most parts of Luzon experienced near to above normal rainfall conditions, including, Guimaras, Iloilo and Basilan in the Visayas and Mindanao



## TEMPERATURE



Mountainous Luzon  
14.0°C – 24.5°C



Metro Manila  
23.1°C – 33.8°C



Mountainous Mindanao  
17.5°C – 33.5°C



Lowlands Luzon  
20.2°C – 35.3°C



Visayas  
22.9°C – 36.5°C



Lowlands Mindanao  
21.3°C – 35.9°C



## MONTHLY CLIMATE ASSESSMENT AND OUTLOOK

### Outlook in October 2019

## EXPECTED WEATHER SYSTEMS



### INTERTROPICAL CONVERGENCE ZONE (ITCZ)

Series of low pressure areas brought about by converging northeast (NE) and southeast (SE) winds that cause thunderstorms and rainshowers



### LOCALIZED THUNDERSTORM

Isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rain.



### RIDGE OF HIGH PRESSURE AREA (HPA)

An extension of a high pressure area characterized by very light wind and clear skies

SW



### SOUTHWEST MONSOON (HABAGAT)

Warm moist winds from the southwest causing rains over the western portion of the country from May to September



### LOW PRESSURE AREA (LPA)

Areas of lowest pressure characterized by cloudiness and rainshowers; areas where a tropical cyclone can form

NE



### NORTHEAST MONSOON (AMIHAN)

Cold winds from the northeast that bring rains over the eastern side of the country.



### 2 or 3 TROPICAL CYCLONES

"Bagyo"; may refer to tropical depression, tropical storm, severe tropical storm, typhoon, or super typhoon.

## RAINFALL CONDITION



### NEAR NORMAL

+20% or -20% from the normal

Most parts of the country



### BELOW NORMAL

20%-60% reduction from the normal

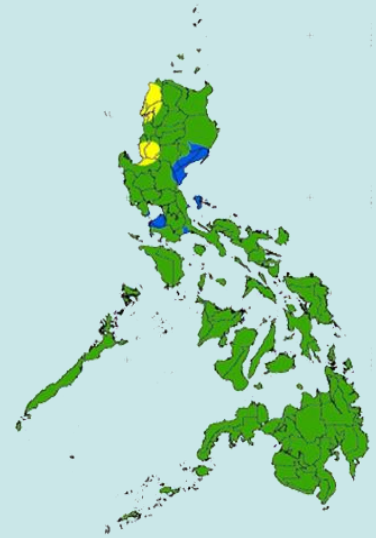
Northwestern Luzon



### ABOVE NORMAL

120% greater than the normal

Aurora and Cavite



## TEMPERATURE



Mountainous Luzon  
15.0 °C – 26.5 °C



Metro Manila  
22.0°C – 35.0°C



Mountainous Mindanao  
17.0°C – 34.0°C



Lowlands Luzon  
19.0 °C – 37.0°C



Visayas  
20.0 °C – 37.0°C



Lowlands Mindanao  
19.0°C – 36.0°C