



OVERVIEW

El Niño across the tropical Pacific Ocean continues to weaken and is expected to persist until March-April-May (MAM) 2024 season. Majority of climate models suggest a transition to ENSO-neutral conditions during the April-May-June (AMJ) 2024 season (83% chance). Further, there is a likelihood for La Niña to develop (62% chance) during the June-July-August (JJA) 2024 season. As such, the PAGASA ENSO Alert and Warning System remains at El Niño Advisory / La Niña Watch.



While stronger El Niño events increase the likelihood of El Niño-related climate anomalies, it does not necessarily equate to strong impacts, and these effects may not occur everywhere. However, the likelihood of below-normal rainfall conditions remains high, which could bring negative impacts such as dry spells and droughts in some areas of the country. This situation may adversely affect different climate-sensitive sectors, including water resources, agriculture, energy, health, public safety, and other key sectors of the country.

Assessment in March 2024

WEATHER SYSTEMS THAT AFFECTED THE COUNTRY



NE NORTHEAST MONSOON (AMIHAN)
Cold and drier winds from the northeast bring rains over the eastern side of the country



E EASTERLIES
Warm winds blowing from the east may bring cloudiness over the eastern part of the country



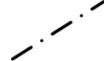
LOCALIZED THUNDERSTORM
Warm isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rains.



RIDGE OF HIGH PRESSURE AREA (HPA)
An extension of a high pressure area characterized by a very light wind and clear skies



LOW PRESSURE AREA (LPA)
Areas of lowest pressure characterized by cloudiness and rainshowers; areas where a tropical cyclone can form



SHEAR LINE
Zone of converging winds associated with the extension of a frontal system that often brings thunderstorms and rainshowers

RAINFALL CONDITION

WAY BELOW NORMAL
Greater than 60% reduction from the normal*

BELOW NORMAL
20%-60% reduction from the normal

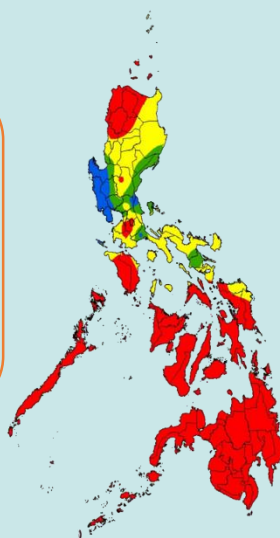
NEAR NORMAL
+20% or -20% from the normal

ABOVE NORMAL
120% greater than the normal

most parts of the country

most parts of central Luzon, Quirino, and Pangasinan

*Based on observed rainfall data, **nineteen (19)** provinces in **Luzon**, **eleven (11)** provinces in the **Visayas**, and **one (1)** province in **Mindanao** experienced meteorological **drought**; **thirteen (13)** provinces were under **dry spells**, and **fifteen (15)** provinces experienced **dry conditions**. See Drought Assessment Map (<https://bagong.pagasa.dost.gov.ph/climate/el-nino-la-nina/advisories>)



DRY CONDITION/ DRY SPELL / DROUGHT ASSESSMENT
as of March 31, 2024

LEGEND

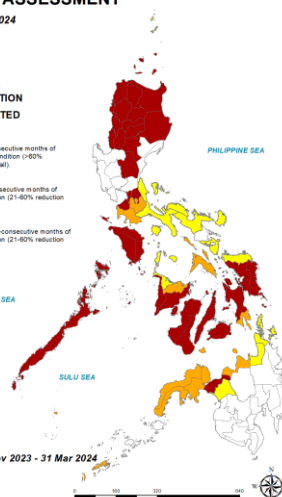
DROUGHT
DRY SPELL
DRY CONDITION
NOT AFFECTED

Drought is defined as 3-consecutive months of way below normal rainfall condition (>60% reduction from average rainfall).

Dry spell is defined as 2-consecutive months of below normal rainfall condition (21-60% reduction from average rainfall).

Dry condition is defined as 2-consecutive months of below normal rainfall condition (21-60% reduction from average rainfall).

NOTE: Based on Nov 2023 - 31 Mar 2024 Actual Rainfall



TEMPERATURE

Surface air temperatures were generally near average to warmer than average across the country



Mountainous Luzon
7.2°C – 28.4°C



Metro Manila
20.7°C – 35.9°C



Mountainous Mindanao
15.5°C – 35.0°C



Lowlands Luzon
15.4°C – 38.4°C



Visayas
21.0°C – 36.0°C



Lowlands Mindanao
20.6°C – 37.0°C



Outlook in April 2024

EXPECTED WEATHER SYSTEMS



EASTERLIES

Warm winds blowing from the east may bring cloudiness over the eastern part of the country



RIDGE OF HIGH PRESSURE AREA (HPA)

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



LOCALIZED THUNDERSTORM

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



LOW PRESSURE AREA (LPA)

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



PASSAGE OF 0 OR 1 TROPICAL CYCLONE OR 'BAGYO'

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

RAINFALL CONDITION



WAY BELOW NORMAL

Greater than 60% reduction from the normal



BELOW NORMAL

20%-60% reduction from the normal

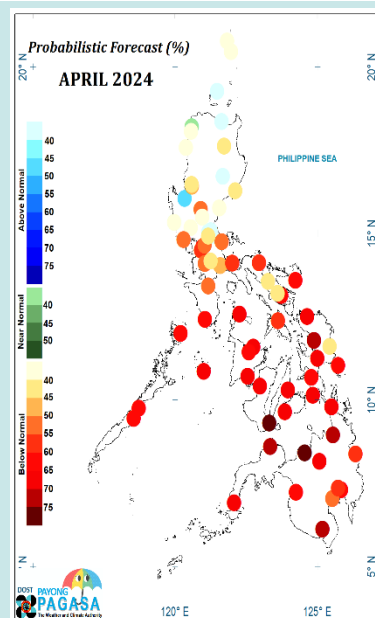
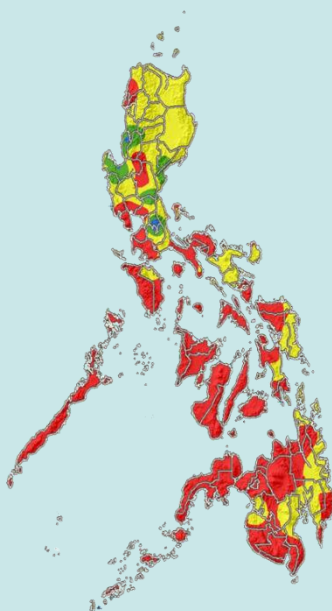
most parts of the country



BELOW NORMAL

20%-60% reduction from the normal

High probability in most parts of the country



TEMPERATURE

Generally, slightly below-average to warmer-than-average surface air temperatures are expected throughout the country this month



Mountainous Luzon
12.0°C to 29.5°C



Metro Manila
21.0°C to 38.0°C



Mountainous Mindanao
15.0°C to 36.0°C



Lowlands Luzon
18.0°C to 39.5°C



Visayas
21.0°C to 37.5°C



Lowlands Mindanao
21.0°C to 39.5°C