

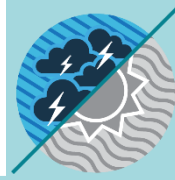


MONTHLY CLIMATE ASSESSMENT AND OUTLOOK LA NIÑA WATCH

Issued: 05 July 2024

OVERVIEW

ENSO-neutral conditions are present in the tropical Pacific and may prevail until the August-September-October (ASO) 2024 season. Climate model forecasts indicate that La Niña may emerge in the October-November-December (OND) 2024 season at 55% probability and may persist until the first quarter of 2025.



La Niña increases the likelihood of having above-normal rainfall conditions that could lead to potential adverse impacts (such as heavy rainfall, floods, flash floods, and rain-induced landslides) over highly vulnerable areas.

Assessment in June 2024

WEATHER SYSTEMS THAT AFFECTED THE COUNTRY



SOUTHWEST MONSOON (HABAGAT)
Warm moist winds from the southwest caused rains over the western portion of the country from May to September



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.



FRONTAL SYSTEM
Zone of converging winds that stays in one area for a while which often brings thunderstorms and rainshowers



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



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



INTERTROPICAL CONVERGENCE ZONE (ITCZ)
Series of low pressure areas brought about by converging Northeast (NE) and Southeast (SE) winds that cause thunderstorms and rainshowers

RAINFALL CONDITION



BELOW NORMAL
20%-60% reduction from the normal



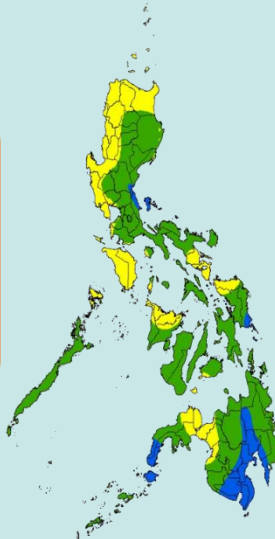
NEAR NORMAL
+20% or -20% from the normal

most parts of the country



ABOVE NORMAL
120% greater than the normal

most parts of Davao Region, South Cotabato, Sarangani, and Basilan



DRY CONDITION/ DRY SPELL / DROUGHT ASSESSMENT as of June 30, 2024

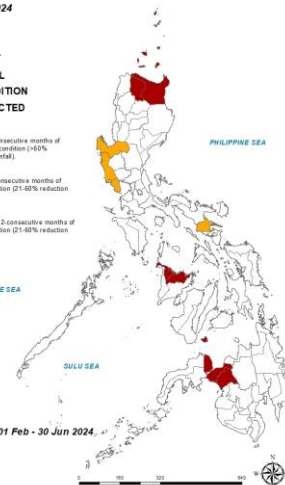
LEGEND
■ DROUGHT
■ DRY SPELL
■ DRY CONDITION
■ NOT AFFECTED

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

Dry spell is defined as 3 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 01 Feb - 30 Jun 2024 Actual Rainfall



*Assessment of rainfall for June revealed three (3) provinces in Luzon, three (3) provinces in Visayas, and three (3) provinces in Mindanao experienced meteorological **drought** while four (4) provinces in Luzon were under **dry spell**. See Drought Assessment Map (<https://bagong.pagasa.dost.gov.ph/climate/el-nino-la-nina/advisories>)

TEMPERATURE

Mean surface air temperatures observed across the country were near-average to above-average.



Mountainous Luzon
15.1°C – 27.2°C



Lowlands Luzon
22.0°C – 38.4°C



Metro Manila
22.9°C – 36.9°C



Visayas
23.7°C – 37.0°C



Mountainous Mindanao
18.7°C – 34.5°C



Lowlands Mindanao
22.1°C – 37.8°C



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Outlook in July 2024

EXPECTED WEATHER SYSTEMS



SOUTHWEST MONSOON (HABAGAT)
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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



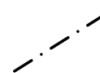
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Warm isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rains.



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FRONTAL SYSTEM
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PASSAGE OF 2 OR 3 TROPICAL CYCLONES OR BAGYO
"Bagyo"; may refer to tropical depression, tropical storm, severe tropical storm, typhoon, or super typhoon.

RAINFALL CONDITION

BELOW NORMAL
20%-60% reduction from the normal

most parts of Luzon and Eastern Visayas

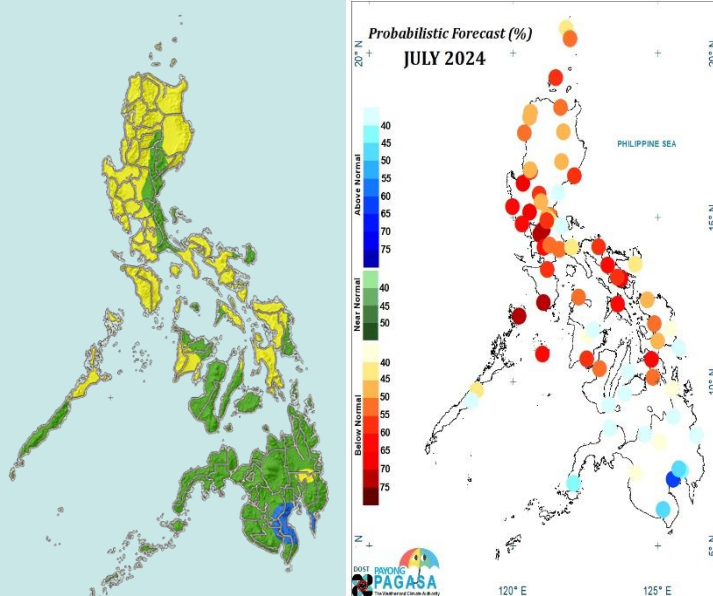
NEAR NORMAL
+20% or -20% from the normal

most parts of Mindanao

ABOVE NORMAL
120% greater than the normal

Davao del Sur and Davao Occidental

BELOW NORMAL high likelihood of below-normal conditions in Luzon and Visayas while **ABOVE NORMAL** above-normal in Mindanao



TEMPERATURE

Generally, near-average to above-average surface air temperatures are expected in most parts of the country this month except in some parts of MIMAROPA and Bicol Region where slightly below-average to below-average temperatures are predicted.



Mountainous Luzon
14.0°C – 27.5°C



Metro Manila
20.5°C – 37.0°C



Mountainous Mindanao
16.0°C – 33.0°C



Lowlands Luzon
17.0°C – 38.5°C



Visayas
20.0°C – 36.5°C



Lowlands Mindanao
20.5°C – 36.5°C