



Monthly Philippine Agroclimatic Review and Outlook

ISSUE NO. 08

Agroclimatic Review for August 2024

- During the month of August, the weather systems that affected the country were the southwest monsoon, intertropical convergence zone, tropical cyclone (Dindo/Jongdari), low pressure area (LPA), easterlies, and localized thunderstorms. As shown in Figure 1, the various weather systems experienced in different areas were also mentioned.
- Tropical Cyclone “Dindo” with international name “JONGDARI” did not make landfall and has no direct impact in any part of the country. However, in several parts of Metro Manila have been flooded due to the heavy rains caused by enhanced SW monsoon from the TC outside the Philippine Area of Responsibility (PAR) in August 28 - 29, 2024.
- As also shown in Figure 1, way below normal to below normal rainfall conditions were experienced in most parts of Luzon and Mindanao, while most parts of Visayas, Bicol Region, Central Mindanao and the rest of the country experienced near normal and above normal rainfall conditions. Catbalogan recorded the highest rainfall amount for the month of August (184.6 mm), followed by Subic Bay (139.1 mm) and CMU Musuan Synoptic Station (138.1 mm).

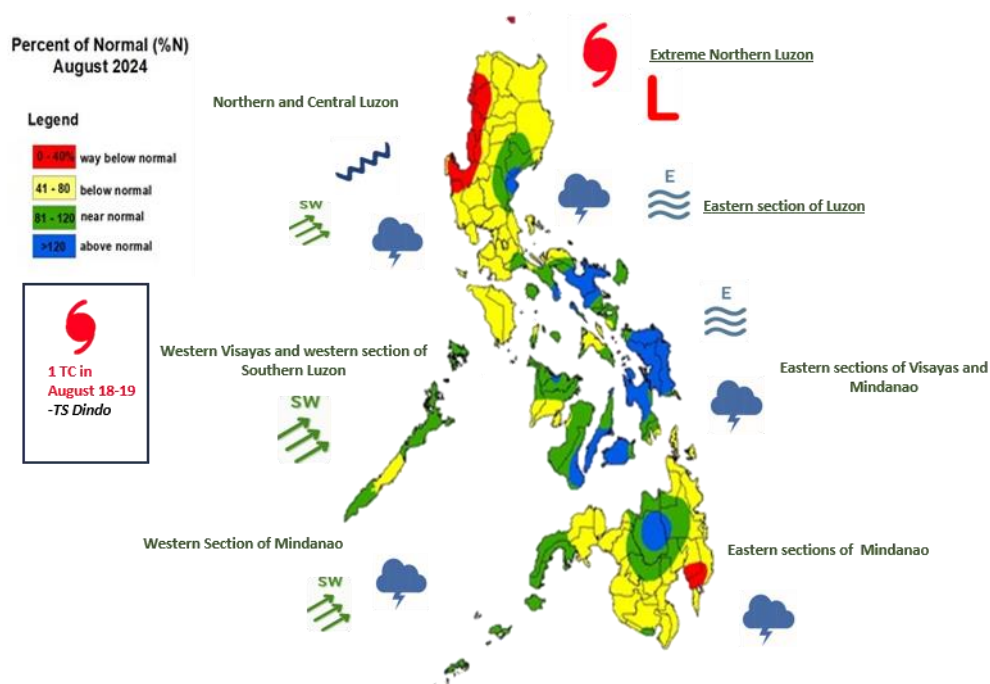


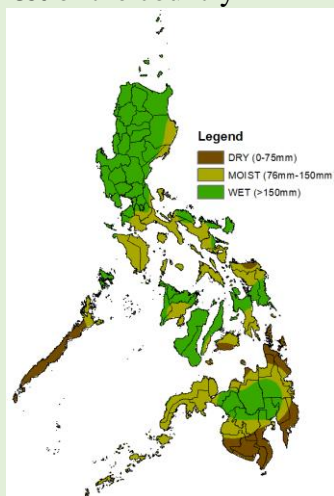
Figure 1: Actual Rainfall and weather systems experienced for August 2024

“tracking the sky...helping the country”



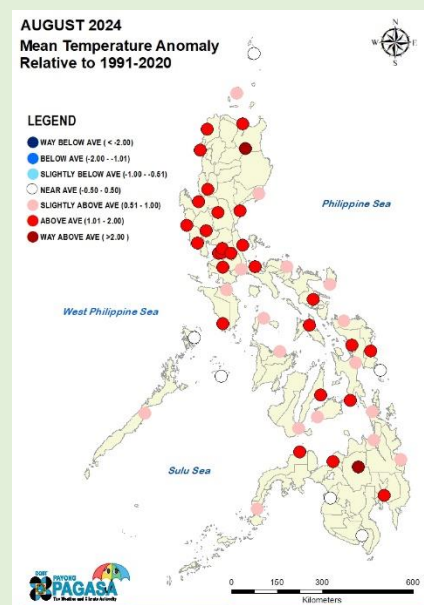
SOIL MOISTURE CONDITION

- **Wet** – Ilocos Region, Aparri, Nueva Vizcaya, Cordillera Administrative Region, Central Luzon, National Capital Region, Cavite, Laguna, Batangas, Rizal, Occidental Mindoro, Camarines Norte, Camarines Sur, Albay, Catanduanes, Sorsogon, Western Visayas, Cebu, Eastern Visayas, Bukidnon, Davao del Norte, most parts of Palawan, most parts of Bangsamoro Autonomous Region of Muslim Mindanao
- **Moist** – Masbate, Zamboanga Peninsula, Agusan del Norte, Surigao del Sur, Calapan, rest of Cagayan Valley, most parts of Quezon, rest of Central Visayas, rest of Northern Mindanao
- **Dry** – rest of the country



TEMPERATURE

- **Slightly above to way above average** near surface air temperatures were observed in most parts of the country except in the selected stations in Palawan, Samar, Batanes and Mindanao area with near average temperatures.
- **Infanta, Quezon** recorded the highest maximum temperature of 37.1°C (August 15) while the coldest temperature was recorded in **BSU La Trinidad Synoptic Station** at 16.2°C (August 3).



FARM OPERATIONS

- **Land and Seedbed Preparations**
- **Planting and Transplanting**
- **Fertilizer Application**
- **Weed Management**
- **Pest and diseases management**
- **Water management**
- **Harvesting**
- **Post-harvest**
- **Cleaning and management**

The agricultural technicians, farmers, and farm enthusiasts may continue to browse some tips and additional knowledge on potential crop production, early warning for pest and disease infestations and water management strategies for specific areas by visiting the website of Department of Agriculture in their respective regions. For daily farm weather and climate conditions, you may visit PAGASA website (<https://pagasa.dost.gov.ph/>)

“tracking the sky...helping the country”



CROP STAGES	REGION/CROPS
Land and Seedbed Preparation (<i>including preparation for garden plot, urban gardening, and upland farms</i>), (irrigated and rainfed farms)	<ul style="list-style-type: none"> ▪ Cordillera Administrative Region, Cagayan Valley, Central Luzon, NCR CALABARZON, MIMAROPA, Bicol Region, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Davao Region, Caraga, and BARMM
Planting and Transplanting (<i>broadcasting / direct seeding – for rice, corn, conventional way/ by rows - other cash crops</i>)	<ul style="list-style-type: none"> ▪ Rice – Ilocos Region, Cagayan Valley, Central Luzon, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Northern Mindanao, and Caraga ▪ Corn – Ilocos Region, Cagayan Valley, CALABARZON, and SOCCSKSARGEN
Vegetative Stage (<i>tillering, head development</i>)	<ul style="list-style-type: none"> ▪ Rice – Ilocos Region, Cagayan Valley, Central Luzon, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Northern Mindanao, Davao Region, and SOCCSKSARGEN ▪ Corn – Cagayan Valley, CALABARZON, MIMAROPA, Bicol Region, Eastern Visayas, Northern Mindanao, Davao Region, Caraga, and SOCCSKSARGEN ▪ Eggplant, lemongrass, pandan, chayote, pechay, Baguio beans, cadios, soybean, cowpeas, lettuce, cucumber, string bean, patola, ampalaya, okra, malunggay, mustard, kangkong, spinach, alugbati, broccoli, bok choy, radish, cauliflower, beets, potato, celery, kinchay, cabbage, carrot, jute, squash, sweet potato, cassava, mung bean, peanut, tomato, camote tops, upo, papaya, banana, guyabano, pili, condol, long pepper, chili pepper, turmeric, ginger, onion, sweet pepper, fern leaves, taro, ube, yam, kamias, mushroom, sugarcane, guava, star apple, rambutan, sineguelas, catmon, cashew, pineapple, jackfruit, mangosteen, marang, pomelo, dragon fruit, lanzones, dalandan, avocado, limes, strawberry, mango, santol, pomelo, watermelon, tamarind, cotton, coconut, lemon, orange, durian, aratilis, longgan, honeydew, calamansi, rubber, abaca, cacao, coffee, and tobacco
Reproductive Stage (<i>Heading – rice; Tasseling/Silking – corn</i>)	<ul style="list-style-type: none"> ▪ Rice – Ilocos Region, Cagayan Valley, Cordillera Administrative Region, Central Luzon, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Eastern Visayas, Central Visayas, Zamboanga Peninsula, and SOCCSKSARGEN ▪ Corn – Cagayan Valley, MIMAROPA, Bicol Region, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Davao Region, SOCCSKSARGEN, and BARMM
Maturing/Ripening	<ul style="list-style-type: none"> ▪ Rice – Ilocos Region, Cagayan Valley, Cordillera Administrative Region, Central Luzon, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Northern Mindanao, Davao Region, SOCCSKSARGEN, and BARMM ▪ Corn – Ilocos Region, Cagayan Valley, Cordillera Administrative Region, Central Luzon, CALABARZON, MIMAROPA, Bicol Region,



Western Visayas, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Davao Region, SOCCSKSARGEN, and BARMM

Harvesting Stage

- **Rice** – Ilocos Region, Cagayan Valley, Cordillera Administrative Region, Central Luzon, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Northern Mindanao, Davao Region, SOCCSKSARGEN, Caraga and BARMM
- **Corn** – Ilocos Region, Cagayan Valley, Cordillera Administrative Region, Central Luzon, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Central Visayas, Eastern Visayas, Zamboanga Peninsula, Northern Mindanao, Davao Region, SOCCSKSARGEN, Caraga, and BARMM
- Sugarcane, squash, patola, upo, pepper, taro, chili, sweet pepper, gabi, okra, pechay, eggplant, string bean, cabbage, radish, ampalaya, sweet potato, tomato, onion, malunggay, pechay, squash, patola, eggplant, cucumber, broccoli, baguio beans, lettuce, beets, lemon, wombok cabbage, bell pepper, potato, cauliflower, ginger, cassava, fern leaves, sigarilyas, string bean, taro, condol, mustard, arrowroot, leeks, cucurbits, mushroom, peanut, habichuelas, garlic, coconut, mustard, batao, cadios, patani, soybean, celery, green onion, winged bean, melon, rambutan, pineapple, strawberry, watermelon, jackfruit, dalandan, mangosteen, marang, banana, papaya, durian, lanzones



Agroclimatic Outlook for September 2024

- The weather systems that will likely affect the country during the month of September are the southwest monsoon, ridge of high pressure area (HPA), easterlies, low pressure areas (LPAs), localized thunderstorms, intertropical convergence zone (ITCZ) and two or three (2 or 3) tropical cyclone (TC) may enter or develop inside the Philippine Area of Responsibility (PAR).
- As shown in Figure 2, generally near normal rainfall conditions will likely be experienced in throughout the country except in Albay and Pili areas where below normal rainfall conditions will be experienced.

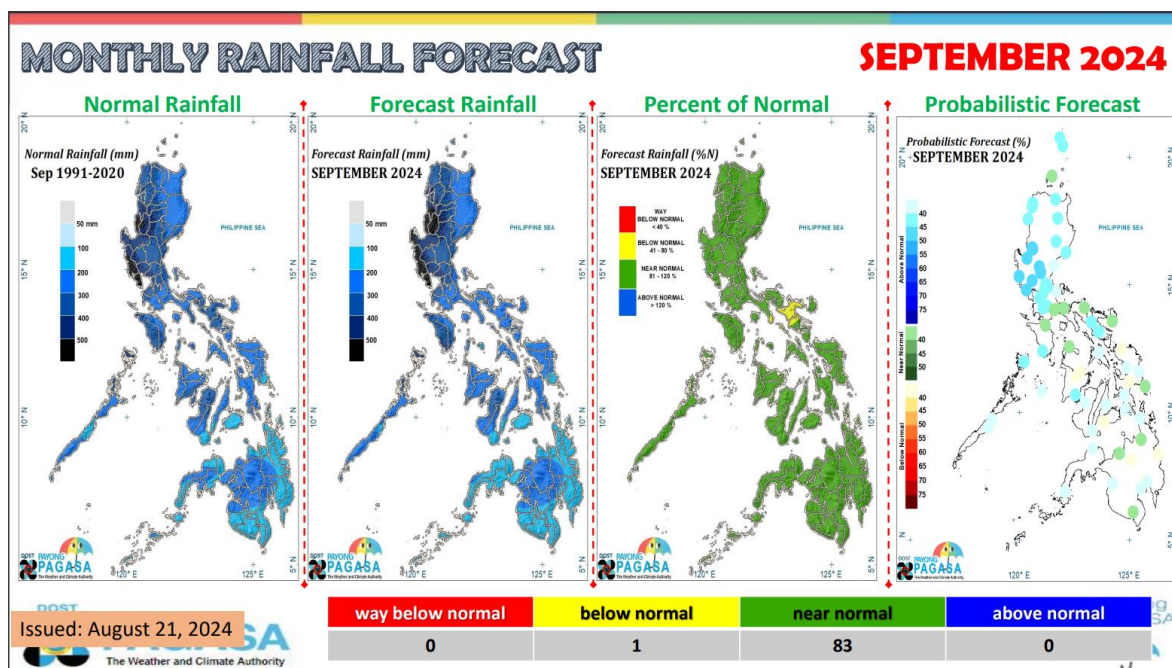


Figure 2: Monthly Rainfall Forecast for September 2024

FARM ADVISORY

Schedule the field activities well, aligned it appropriately according to the upcoming season. Remove and clean the irrigation channels for better flow of water. Create a small farm reservoir or other water harvesting systems to reduce the amount of water flowing to the farms. Use flood resistant rice varieties which are suitable in your farm or ask the advice and expertise of your local agriculturist. Keep animal shelter clean, dry and well ventilated and susceptible to contract diseases during rainy season.



Forecast Mean Temperature Anomaly

Generally, **near average to above average** surface air temperature will likely be experienced in most parts of the country except for some stations in Southern Luzon and Visayas where slightly below to below average temperatures are likely.

ENSO ALERT SYSTEM STATUS

ENSO ALERT SYSTEM STATUS

MONTHLY CLIMATE ASSESSMENT AND OUTLOOK

LA NIÑA ALERT

(as of 4 September 2024)

ENSO-neutral conditions continue to prevail over the tropical Pacific Ocean. Most climate models combined with expert judgments suggest a 66% chance of La Niña forming in Sept-Oct-Nov (SON) 2024 season and will likely persist until the first quarter (Jan-Feb-Mar) of 2025. With these model probabilities, borderline La Niña or La Niña-like conditions will be likely during the forecast period.

<https://bagong.pagasa.dost.gov.ph/climate/el-nino-la-nina/monitoring>

Extreme Temperature Range

	Luzon • Upland: 14.0 °C – 26.5 °C • Lowland: 16.0 °C – 36.5 °C
	Visayas • Lowland: 20.5 °C – 36.5 °C
	Mindanao • Upland: 14.5 °C – 33.5 °C • Lowland: 20.5 °C – 36.5 °C

PAGASA will continue to closely monitor the climate conditions that may affect the country and updates shall be issued as appropriate. For further information, please contact the Climatology and Agrometeorology Division (CAD) at telephone number 8284-0800, local 4915.

For the simplified version, please download at: <https://bit.ly/SimplifiedMPARO>



Prepared MGA	Checked RAAM	Approved TAC	Uploaded RVDD