

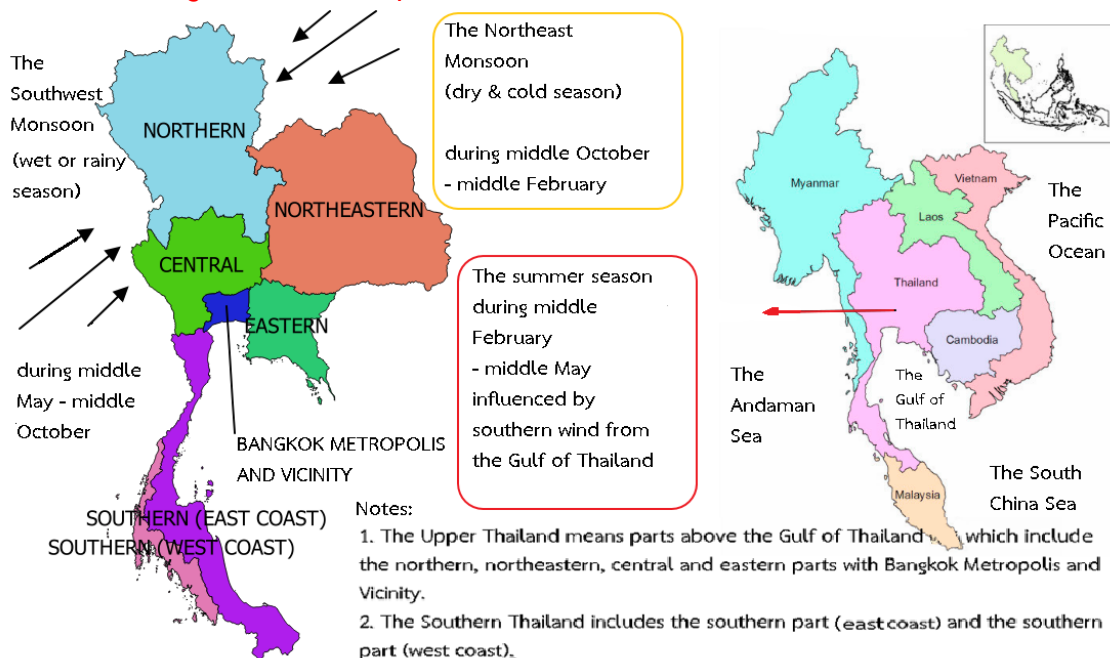


The 2021 rainy season overview

The rainy season of Thailand this year is expected to, the total rainfall of the whole country during this rainy season will be around 5% above normal and more than last year. (The total rainfall last year during the rainy season is 3 percent less than normal value, while in whole year is less than the normal 4 percent). For the rainy season will end around mid-October 2020.

During August and September as being the most densely abundant rainfall months, they favor a high chance to meet tropical cyclones passing through the Upper Thailand. As a result, heavy to very heavy rain amount will occur at many areas. Furthermore, flash and forest flood with overflow may inundate at some areas.

The below Image illustrates 7 parts of Thailand with seasons and Monsoons or wind:



Tropical cyclones (depressions, tropical storms and typhoons): For the rainy season of this year, 2-3 tropical cyclones are expected to move toward Thailand. It favors a high chance to move pass the northeastern and northern parts in August or September.

Seasonal Outlook

During the first half of July, the amount and distribution of rainfall will reduce. Thus, dry spell may occur and causing to water shortage for agricultural usage at many areas, specifically at repeated drought areas outside irrigation zones. The reason is that the Southwest Monsoon prevailing over the Andaman Sea and Thailand will weaken whereas the monsoon trough is about to move up to prevail over the southern part of China.

Then during middle July until September, densely abundant rainfall will come back. The rainfall will be mostly 60 - 80% of the area along with heavy rain amount at many areas and very heavy rain amount at some areas, especially in August and September. Consequently, flash and forest flood together with overflow would feasibly appear at many areas. The reason is that the Southwest Monsoon prevailing over the Andaman Sea and Thailand comes back actively and continuously. The Monsoon will become active periodically while the monsoon trough prevails over the Upper Thailand occasionally.

And in October, the northern and northeastern parts will meet less rainfall and start to meet morning chilly weather, especially at the upper parts. Nevertheless, the central and eastern part and the Southern Thailand will still meet densely abundant rainfall further together with heavy rain amount at many areas and very heavy rain amount at some areas. The reason is that high-pressure air mass areas from China will begin to prevail over the upper portion of both of the northern and northeastern parts. In addition, the Southwest Monsoon trough will move downward to prevail over the lower portion of the central part, the upper portion of the Southern Thailand and the eastern part. Moreover, the former prevailing Southwest Monsoon over Thailand will transform to become the prevailing Northeast Monsoon instead.

Details for each part are as the following:

The Northern part: For July to October, the total rain amount is expected to be near normal (normal: 176, 223, 218 and 124 mm respectively).

The Northeastern part: For July and September, the total rain amount is expected to be 5% above normal (normal: 211 and 242 mm respectively). While August, the total rain amount will be near normal (normal: 266 mm). For October, the total rain amount will be 5% below normal (normal: 117 mm).

The central part: For July and September, the total rain amount is expected to be near normal (normal: 156 and 257 mm respectively). While August, the total rain amount is expected to be 5% below normal (normal: 181 mm). For October, the total rain amount will be 5% above normal (normal: 187 mm).

The eastern part For July and September, the total rain amount is expected to be near normal (normal: 272 and 330 mm respectively). While August, the total rain amount is expected to be 5% below normal (normal: 303 mm). For October, the total rain amount will be 5% above normal (normal: 225 mm).

The Southern Thailand (east coast: The Gulf of Thailand): For July, September and October, the total rain amount is expected to be near normal (normal: 119, 150 and 255 mm respectively). While August, the total rain amount is will be 5% below normal (normal: 124 mm).

The Southern Thailand (west coast: The Andaman Sea): For July, September and October, the total rain amount is expected to be near normal (normal: 337, 424 and 367 mm respectively). While August, the total rain amount is will be 5% below normal (normal: 399 mm).

Bangkok Metropolis and Vicinity: For July, September and October, the total rain amount is expected to be near normal (normal: 175, 334 and 292 mm respectively). While August, the total rain amount is will be 5% above normal (normal: 219 mm).

Caution:

1. Sometimes, heavy to very heavy rain amounts occur continuously for many days. As a result, flash with overflow may inundate, specifically during August until September. Thus, the public should follow the daily weather forecast news closely further.

2. During the period of tropical cyclones moving near or pass Thailand, gusty wind and raining at extra huge areas with heavy to very heavy rain amount will occur at many areas. Furthermore, gusty wind waves will appear at coastal areas; wave height may reach 3 - 4 meters at some periods. Thus, the public and mariners should be cautious of these natural hazards and follow the news attentively during the tropical cyclone periods further.

The 2021 rain prediction comparing with normal

Part	July	August	September	October
Northern	Near Normal	Near Normal	Near Normal	Near Normal
Northeastern	5% Above Normal	Near Normal	5% Above Normal	5% Below Normal
Central	Near Normal	5% Below Normal	Near Normal	5% Above Normal
Eastern	Near Normal	5% Below Normal	Near Normal	5% Above Normal
Southern (The Gulf of Thailand)	Near Normal	5% Below Normal	Near Normal	Near Normal
Southern (The Andaman Sea)	Near Normal	5% Below Normal	Near Normal	Near Normal
Bangkok Metropolis and Vicinity	Near Normal	5% Above Normal	Near Normal	Near Normal

Rain amount (millimeters) prediction for the 2021 rainy season

Part	July	August	September	October
Northern	150-200	200-250	200-250	100-140
Northeastern	210-270	240-300	230-290	90-120
Central	130-170	140-180	230-290	170-210
Eastern	250-310	260-320	290-360	210-260
Southern (The Gulf of Thailand)	100-140	100-140	130-170	230-280
Southern (The Andaman Sea)	300-380	340-420	380-460	340-390
Bangkok Metropolis and Vicinity	150-200	190-240	300-370	250-300

Remarks:

- Normal means average during the 30-year period (A.D. 1981 – 2010 or B.E. 2524 – 2553).
- This long-range climate forecast is created by applying some climate models and statistical methods, please follow daily weather forecast for more accuracy.
- The next updated seasonal forecast may be published online before the end of June 2021.
- Further enquiry of monthly climate, 3-month climate and seasonal forecasts can be preceded at Tel: (662)-398-9929 or Fax: (662)-383-8827 and www.tmd.go.th/en, climate tab.