

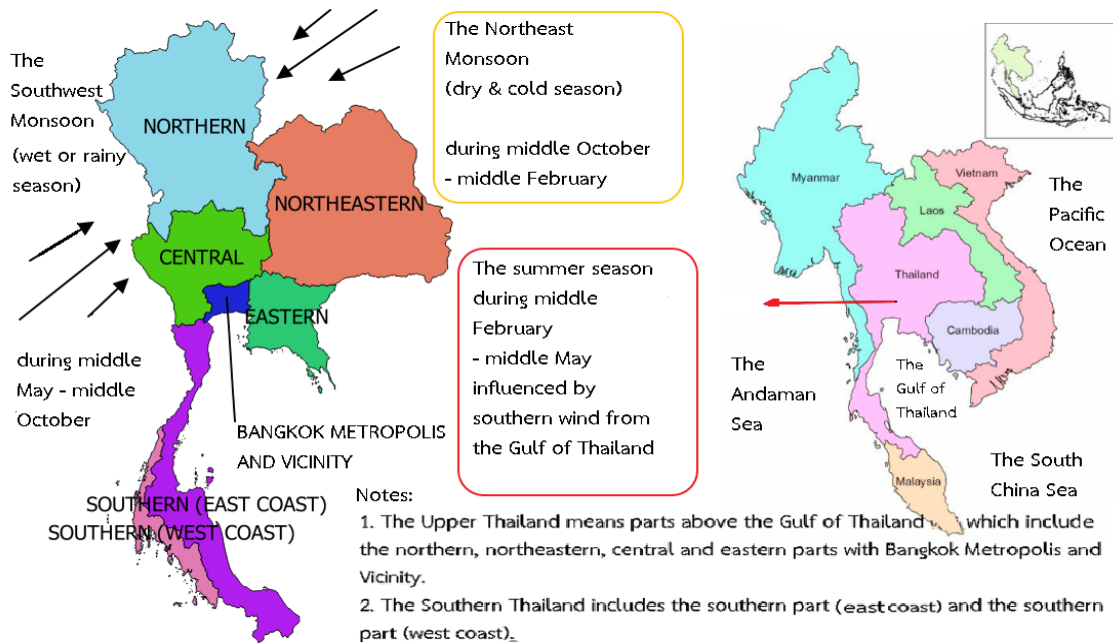


The 2020 rainy season overview

The rainy season of Thailand this year is expected to the total rainfall of the whole country during this rainy season will be 5% below normal but more than last year. (The total rainfall last year during the rainy season is 11 percent less than normal value, while in whole year is less than the normal 15 percent) For upper Thailand, 5% below normal of total rainfall is expected during October. Meanwhile, for southern part of Thailand the total rainfall will be 5% above normal during August and October.

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, 1-2 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 August, the total rain amount is expected to be 5% above normal (normal: 223 mm). While in July and September, the total rain amount is expected to be near normal (normal: 176 and 218 mm consecutively). And for October, 10% below normal is expected (normal: 124 mm).

The Northeastern part: For July to September, the total rain amount is expected to be near normal (normal: 211, 266 and 242 mm respectively). While in October, total rain amount will be 10% below normal (normal: 117 mm).

The central part: For July and October, the total rain amount is expected to be 5% below normal (normal: 155 and 187 consecutively). While in August and September, total rain amount is expected to be near normal (normal: 181 and 257 mm respectively).

The eastern part For July and October, the total rain amount is expected to be 5% below normal (normal: 277 and 225 consecutively). While in August and September, total rain amount is expected to be near normal (normal: 302 and 330 mm respectively).

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

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

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

Caution:

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.

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 2020 rain prediction comparing with normal

Part	July	August	September	October
Northern	Near Normal	Near Normal	Near Normal	10% Below Normal
Northeastern	Near Normal	Near Normal	Near Normal	10% Below Normal
Central	5% Below Normal	Near Normal	Near Normal	5% Below Normal
Eastern	5% Below Normal	Near Normal	Near Normal	5% Below Normal
Southern (The Gulf of Thailand)	Near Normal	5% Above Normal	Near Normal	5% Above Normal
Southern (The Andaman Sea)	Near Normal	5% Above Normal	Near Normal	5% Above Normal
Bangkok Metropolis and Vicinity	5% Below Normal	Near Normal	Near Normal	5% Below Normal

Rain amount (millimeters) prediction for the 2020 rainy season

Part	July	August	September	October
Northern	160-200	210-260	200-240	90-130
Northeastern	190-230	240-290	220-270	80-120
Central	120-160	160-200	230-280	120-180
Eastern	240-290	280-330	300-360	180-230
Southern (The Gulf of Thailand)	100-140	110-150	130-170	220-280
Southern (The Andaman Sea)	310-360	360-460	370-470	330-430
Bangkok Metropolis and Vicinity	150-190	200-240	310-360	190-240

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 July 2019.
- 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.