

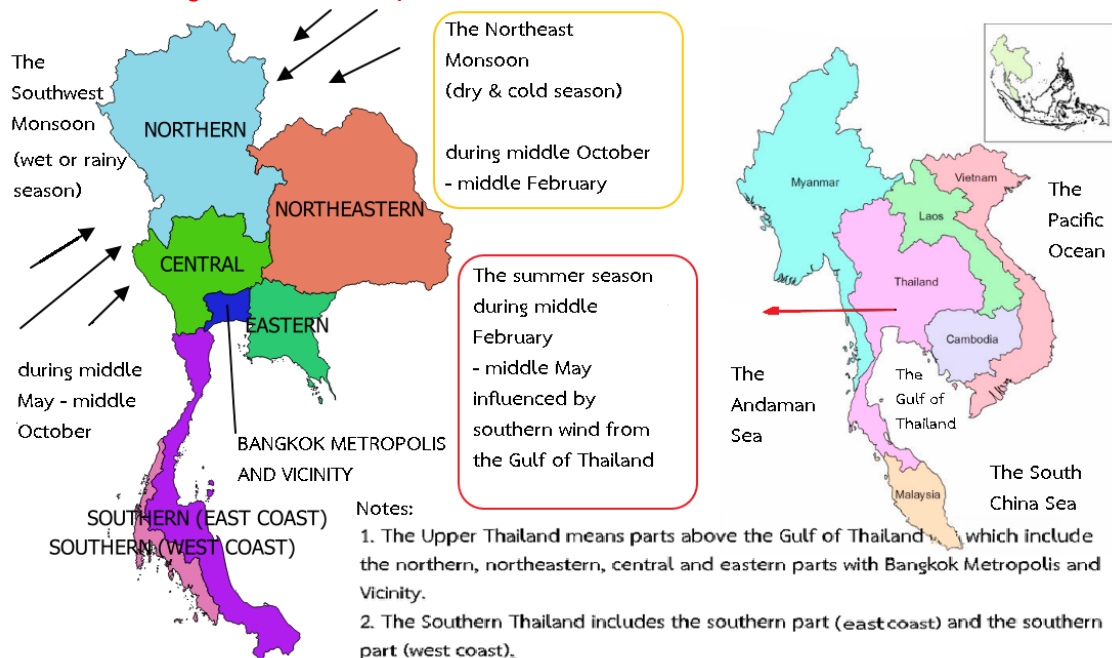


The 2019 rainy season overview

The rainy season of Thailand this year is expected to total rain of the whole country this year will be 5-10% below normal and less than that of last year which was 3% below normal. The rainy season is expected will finish at around middle 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 tropical cyclone is 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 August 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 is to prevail 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 portion of these parts. Nevertheless, the central and eastern parts 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:** In August, the total rain amount is expected to be 10% above normal (normal: 223 mm). While in September. The total rain amount will be near normal (normal: 218 mm). For October total rain amount will be below normal 10% (normal: 124 mm).

**The Northeastern part:** In August, the total rain amount is expected to be 5% above normal (normal: 266 mm). While in September. The total rain amount will be near normal (normal: 242 mm). For October total rain amount will be below normal 10% (normal: 117 mm).

**The central part:** In August, the total rain amount is expected to be 5% below normal (normal: 181 mm). While in September. The total rain amount will be near normal (normal: 257 mm). For October total rain amount will be below normal 10% (normal: 187 mm).

**The eastern part** In August, the total rain amount is expected to be 5% below normal (normal: 303 mm). While in September. The total rain amount will be near normal (normal: 330 mm). For October total rain amount will be below normal 10% (normal: 225 mm).

**The Southern Thailand (east coast: The Gulf of Thailand** In August, the total rain amount is expected to be near normal (normal: 124 mm). While in September. The total rain amount will be below normal 5% (normal: 150 mm). For October total rain amount will be below normal 10% (normal: 255 mm).

**The Southern Thailand (west coast: The Andaman Sea):** In August, the total rain amount is expected to be 5% above normal (normal: 399 mm). While in September. The total rain amount will be below normal 5% (normal: 424 mm). For October total rain amount will be below normal 10% (normal: 367 mm).

**Bangkok Metropolis and Vicinity:** In August, the total rain amount is expected to be 5% below normal (normal: 219 mm). While in September. The total rain amount will be near normal (normal: 334 mm). For October total rain amount will be below normal 10% (normal: 292 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 high 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 2019 rain prediction comparing with normal

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

## Rain amount (millimeters) prediction for the 2019 rainy season

Part	August	September	October
Northern	210-280	190-260	80-140
Northeastern	250-330	220-300	70-130
Central	140-190	200-280	120-180
Eastern	250-330	280-380	170-240
Southern (The Gulf of Thailand)	100-150	120-170	190-270
Southern (The Andaman Sea)	350-490	340-460	290-370
Bangkok Metropolis and Vicinity	160-240	290-350	190-260

### 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.
- 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](http://www.tmd.go.th/en), climate tab.