

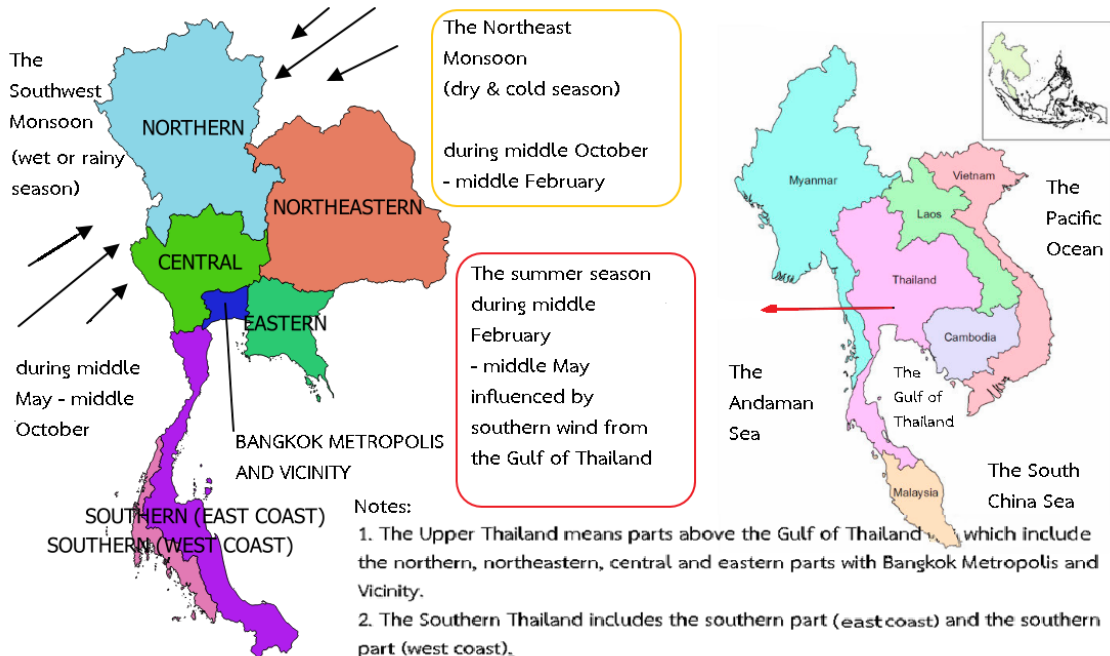


The 2020 rainy season overview

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 June, July, August and October the total amount of rain will be lower than normal while September the total amount of rain will be close to the normal values. 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, 1-2 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 early and middle of June,** more rain will appear in Thailand continuously with rainfall distribution as 40 – 60 percent of the area and heavy rain in many areas. But the eastern and southwestern will be expected 60-80 percent of the area with heavy rain in many areas and very heavy in some places. This is because of the southwest monsoon prevails over the Andaman Sea and Thailand which will have quite strong periodically and also there is trough lies over the upper Thailand. In addition, there may be a strong low pressure area in the Andaman Sea which can develop to be a depression or cyclone and move to the west of Thailand.

**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 and October, the total rain amount is expected to be 10% and 20% below normal (normal: 176 and 124 mm). While in June, August and September, the total rain amount is expected to be near normal (normal: 156, 223 and 218 mm consecutively).

The Northeastern part: For June, July and October, the total rain amount is expected to be below normal 10-20% (normal: 203, 211 and 117 mm respectively).. While in August and September, total rain amount will be near normal (normal: 266 242 mm respectively).

The central part: For June to September, the total rain amount is expected to be near normal (normal: 145, 156, 181 and 257 respectively). While in October total rain amount is expected to be below normal 20% (normal: 187 mm).

The eastern part For June, July and September, the total rain amount will be near normal (normal: 262, 278 and 330 mm respectively). While August and October, total rain amount is expected to be below normal 5-10% (normal: 302 and 225 mm).

The Southern Thailand (east coast: The Gulf of Thailand): For June, July, August and September, the total rain amount will be near normal (normal: 113, 119, 124 and 150 mm respectively) While in October the total rain amount will be above normal 5% (normal: 255 mm.)

The Southern Thailand (west coast: The Andaman Sea): For June, July and August, the total rain amount is expected to be 5-10% below normal (normal: 312, 337 and 399 mm respectively). While in September and October, the total rain amount will be near normal (normal: 337, 424 and 367mm respectively).

Bangkok Metropolis and Vicinity: For June to September, the total rain amount is expected to be near normal (normal: 157, 175, 219 and 334 respectively). While in October total rain amount is expected to be below normal 20% (normal: 282 mm).

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	June	July	August	September	October
Northern	Near Normal	10% Below Normal	Near Normal	Near Normal	20% Below Normal
Northeastern	10% Below Normal	10% Below Normal	Near Normal	Near Normal	20% Below Normal
Central	Near Normal	Near Normal	Near Normal	Near Normal	20% Below Normal
Eastern	Near Normal	Near Normal	5% Below Normal	Near Normal	10% Below Normal
Southern (The Gulf of Thailand)	Near Normal	Near Normal	Near Normal	Near Normal	5% Above Normal
Southern (The Andaman Sea)	10% Below Normal	10% Below Normal	5% Below Normal	Near Normal	Near Normal
Bangkok Metropolis and Vicinity	Near Normal	Near Normal	Near Normal	Near Normal	20% Below Normal

### Rain amount (millimeters) prediction for the 2020 rainy season

Part	June	July	August	September	October
Northern	140-180	130-180	200-260	200-250	70-100
Northeastern	160-200	170-210	230-280	220-270	60-90
Central	120-160	130-180	160-200	220-270	100-140
Eastern	250-300	240-290	250-300	300-350	180-220
Southern (The Gulf of Thailand)	100-140	100-140	100-140	130-170	240-290
Southern (The Andaman Sea)	270-320	310-360	340-440	350-450	340-390
Bangkok Metropolis and Vicinity	150-190	160-200	180-220	300-350	180-220

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