

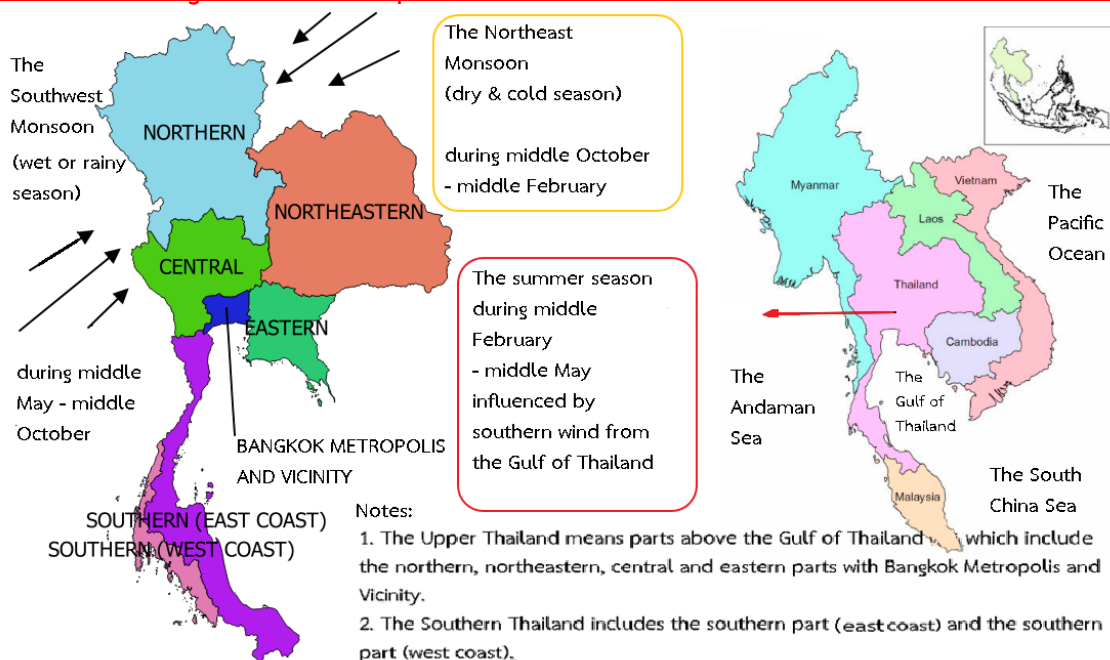


The 2022 rainy season overview

The rainy season of Thailand this year is expected the total rainfall of the whole country during this rainy season will be 3 % above normal but less than last year. (The total rainfall last year during the rainy season is 8 percent more than normal value, while in whole year is more than the normal 11 percent). For the first half of the rainy season (mid-May to July) the total amount of rain in upper Thailand will be 5 percent over than normal but in southern Thailand will be around 5 percent less than normal. While the second half of the rainy season (September to mid-October) the total amount of rain will be 3 percent over than normal. The rainy season will end in mid-October 2022.

While during the end of June until mid-July, the amount and distribution of rain is little; thus, water shortage for agricultural consumption happens at many areas, especially at those areas outside irrigation zones. The public then should utilize water most effectively. While in August until September, heavy to very heavy rain will happen in Thailand for many areas. As a result, overflowing from flash and forest flood will inundate some areas.

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



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.

For during mid - 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.

Tropical cyclones (depressions, tropical storms and typhoons): For the rainy season of this year, 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.

Details for each part are as the following:

The Northern part: For July, the total rain amount is expected to be 10% below normal (normal: 189 mm). While August the total rain amount will be near normal (normal: 237 mm). For September and October the total rain amount will be 5% and 30% above normal consecutively (normal: 222 and 117 mm consecutively).

The Northeastern part: For July, the total rain amount is expected to be 10% below normal (normal: 242 mm). While August the total rain amount will be near normal (normal: 276 mm). For September and October the total rain amount will be 10% and 40% above normal consecutively (normal: 256 and 101 mm consecutively).

The central part: For July and August, the total rain amount is expected to be near normal (normal: 152 and 173 mm consecutively). While September, the total rain amount will be 5% below normal (normal: 238 mm). For October, the total rain amount will be 30% above normal (normal: 160 mm).

The eastern part: For July and September, the total rain amount is expected to be 5% below normal (normal: 287 and 353 mm consecutively). While August the total rain amount will be near normal (normal: 285 mm). For October, the total rain amount will be 20% above normal (normal: 218 mm).

The Southern Thailand (east coast: The Gulf of Thailand): For July and September the total rain amount is expected to 5% below normal (normal: 120 and 147 mm consecutively). While August and October the total rain amount will be near normal (normal: 131 and 254 mm consecutively).

The Southern Thailand (west coast: The Andaman Sea): For July to September the total rain amount is expected to 5%, 10% and 5% below normal consecutively (normal: 352, 419 and 426 mm consecutively). For October the total rain amount will be 10% above normal (normal: 370 mm).

Bangkok Metropolis and Vicinity: For July, the total rain amount is expected to be near normal (normal: 183 mm). While August and October the total rain amount will be 5% and 10% above normal consecutively (normal: 212 and 244 mm consecutively). For September the total rain amount will be 5% below normal (normal: 326 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 2022 rain prediction comparing with normal

Part	July	August	September	October
Northern	10% Below Normal	Near Normal	5% Above Normal	30% Above Normal
Northeastern	10% Below Normal	Near Normal	10% Above Normal	40% Above Normal
Central	Near Normal	Near Normal	5% Below Normal	30% Above Normal
Eastern	5% Below Normal	Near Normal	5% Below Normal	20% Above Normal
Southern (The Gulf of Thailand)	5% Below Normal	Near Normal	5% Below Normal	Near Normal
Southern (The Andaman Sea)	5% Below Normal	10% Below Normal	5% Below Normal	10% Above Normal
Bangkok Metropolis and Vicinity	Near Normal	5% Above Normal	5% Below Normal	10% Above Normal

Rain amount (millimeters) prediction for the 2022 rainy season

Part	July	August	September	October
Northern	150-190	210-260	210-250	130-170
Northeastern	200-250	250-300	260-310	130-170
Central	130-170	150-190	200-250	180-220
Eastern	250-300	260-310	310-360	220-270
Southern (The Gulf of Thailand)	100-140	110-150	110-150	230-280
Southern (The Andaman Sea)	310-360	350-400	380-430	350-450
Bangkok Metropolis and Vicinity	160-200	200-250	290-340	240-290

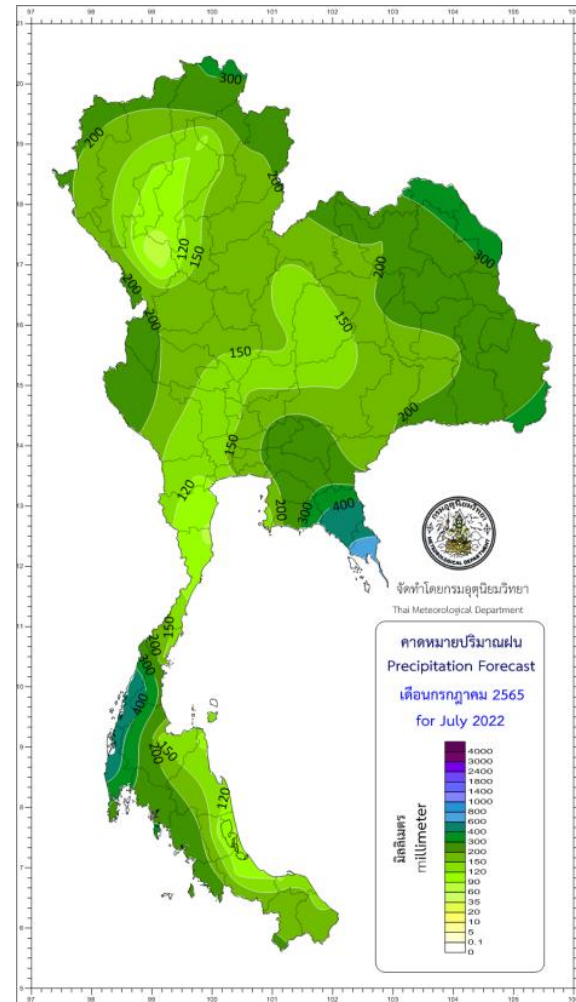
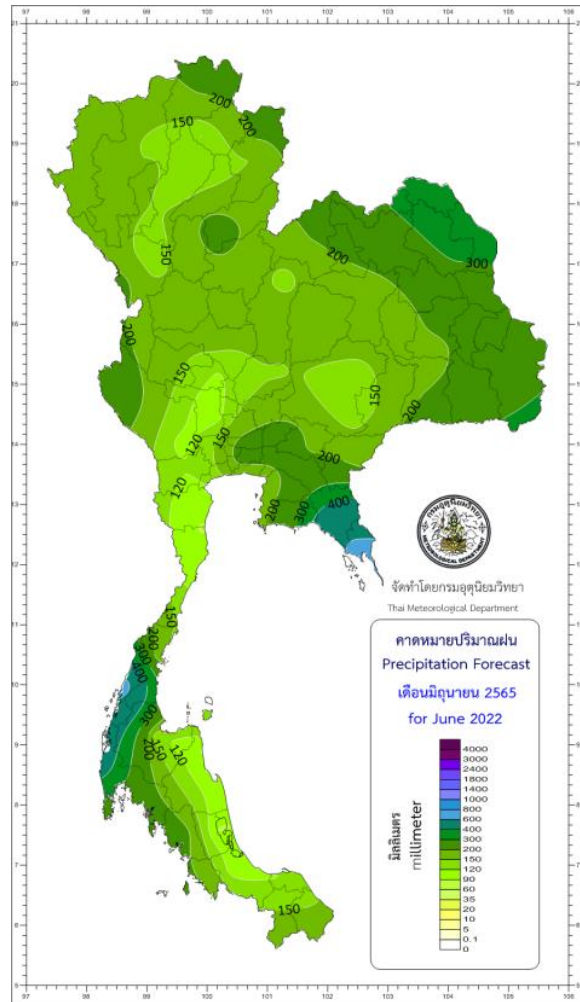
Remarks:

- Normal means average during the 30-year period (A.D. 1991 – 2020 or B.E. 2534 – 2563).
- 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 2022.
- 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.

Prediction rainfall in Thailand. (Millimeter)

July 2022

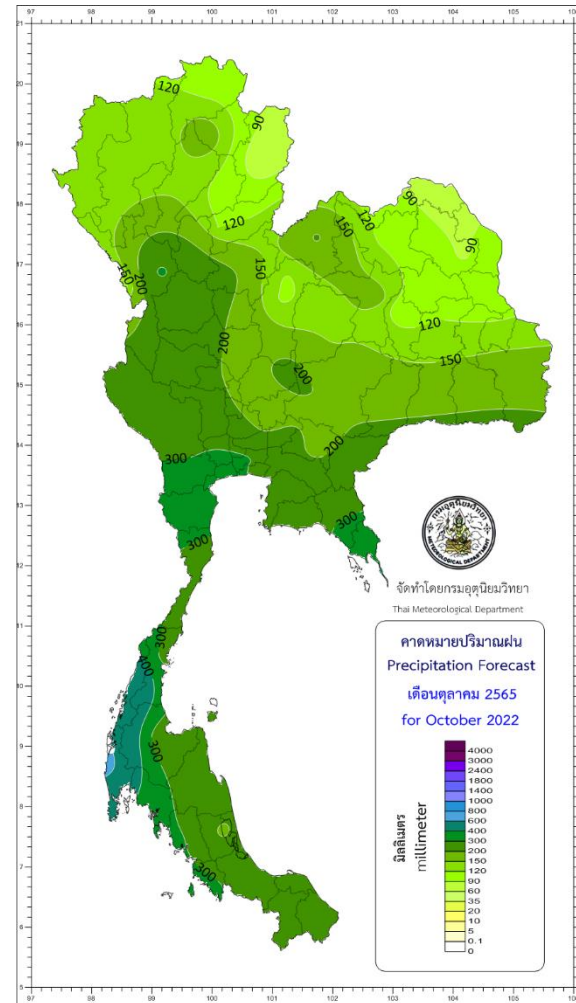
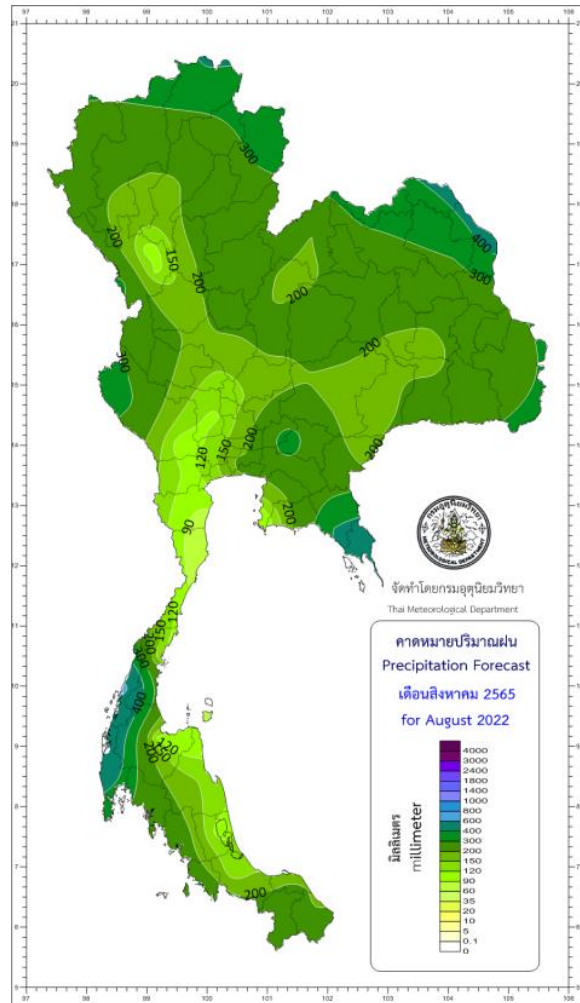
August 2022



Prediction rainfall in Thailand. (Millimeter)

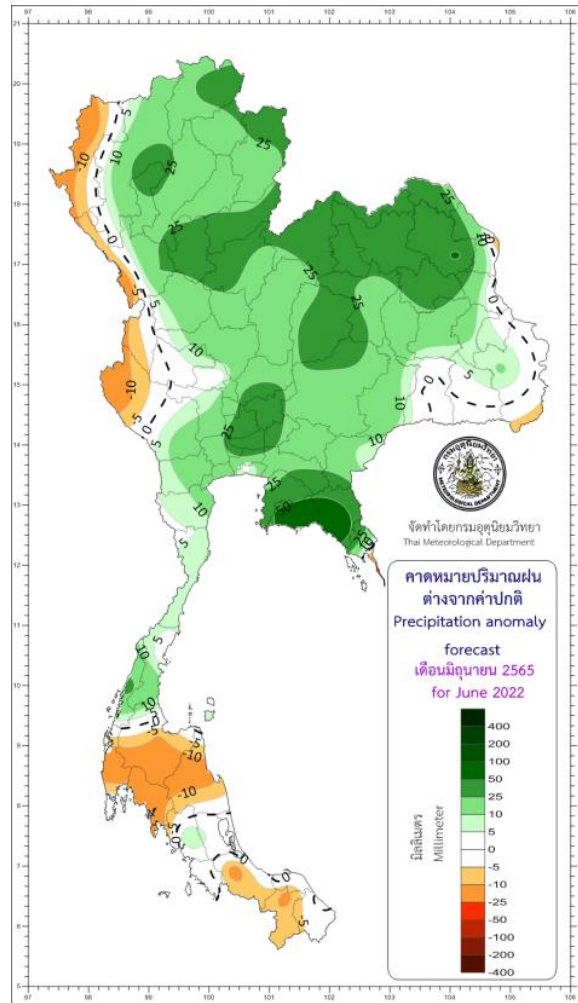
September 2022

October 2022

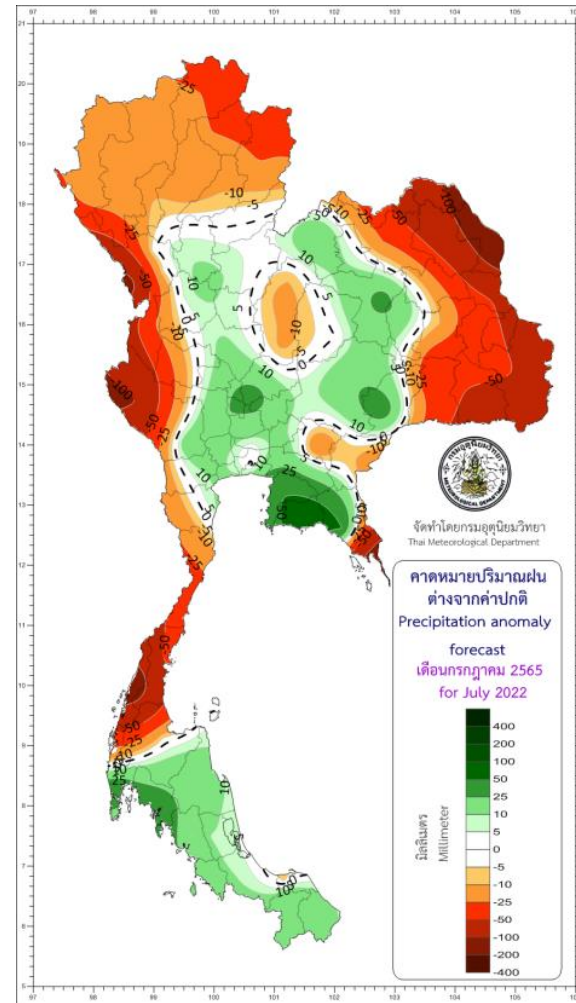


Prediction rainfall in Thailand compare with normal. (Millimeter)

July 2022

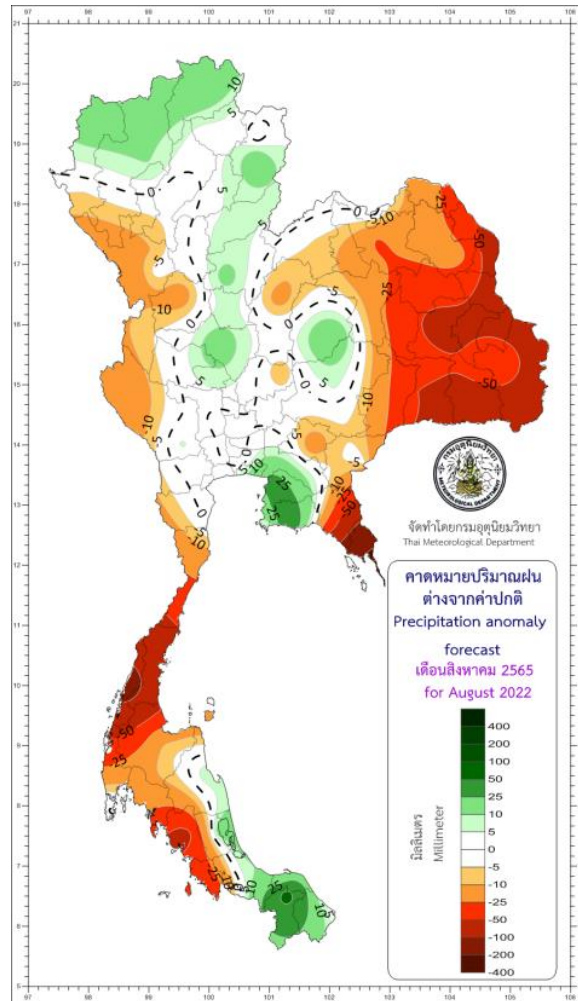


August 2022



Prediction rainfall in Thailand compare with normal. (Millimeter)

September 2022



October 2022

