

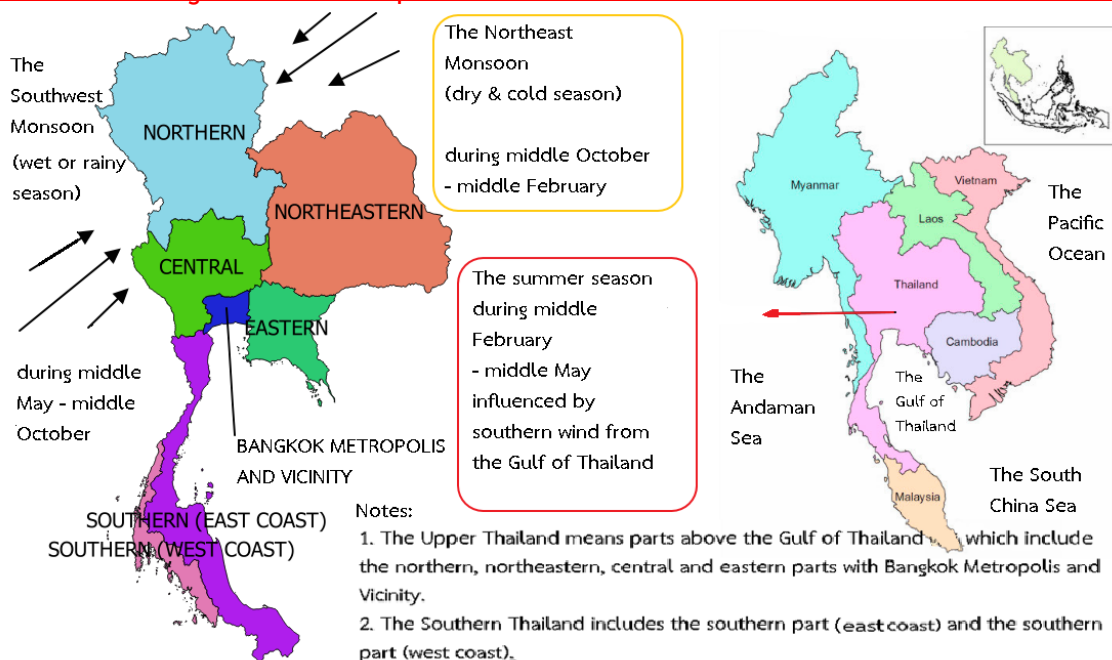


The 2022 rainy season overview

The rainy season of Thailand this year is expected to begin around mid-May 2022, which is near normal and will end in mid-October 2022. 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.

While during mid-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 mid - May to mid - June, from the beginning of this rainy season, increasing amount of rain and continuous rain day are predicted with mostly 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.

Then, during mid - June to mid - 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 May, July, September and October the total rain amount is expected to be 5-10% above normal (normal: 173 189, 222 and 117 mm consecutively). While June the total rain amount will be near normal (normal: 153 mm). For August the total rain amount will be 5% below normal (normal: 237 mm).

The Northeastern part: For May, July, September and October the total rain amount is expected to be 5-10% above normal (normal: 191 242, 256 and 101 mm consecutively). While June the total rain amount will be near normal (normal: 198 mm). For August the total rain amount will be 5% below normal (normal: 276 mm).

The central part: For May, September and October the total rain amount is expected to be 5-10% above normal (normal: 147, 238 and 160 mm consecutively). While June to August the total rain amount will be near normal (normal: 133, 152 and 173 mm consecutively).

The eastern part: For May, September and October the total rain amount is expected to be 5-10% above normal (normal: 204, 353 and 218 mm consecutively). While June to August the total rain amount will be near normal (normal: 258, 287 and 285 mm consecutively)..

The Southern Thailand (east coast: The Gulf of Thailand): For May and August the total rain amount is expected to near normal (normal: 133 and 131 mm respectively). While June, July and September the total rain amount will be 5-10% below normal (normal: 119, 120 and 147 mm respectively). For October the total rain amount will be 10% above normal (normal: 254 mm).

The Southern Thailand (west coast: The Andaman Sea): For May and September the total rain amount is expected to near normal (normal: 303 and 426 mm respectively). While June, July and August the total rain amount will be 5-10% below normal (normal: 340, 352 and 419 mm respectively). For October the total rain amount will be 10% above normal (normal: 370 mm).

Bangkok Metropolis and Vicinity: For May and October the total rain amount is expected to be 5-10% above normal (normal: 207 and 244 mm consecutively). While June to September the total rain amount will be near normal (normal: 196, 183, 212 and 326 mm consecutively).

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

Rain amount (millimeters) prediction for the 2022 rainy season

Part	May	June	July	August	September	October
Northern	170-210	130-170	180-220	200-250	210-260	110-150
Northeastern	190-230	180-220	230-280	240-290	240-290	90-120
Central	140-180	110-150	130-170	150-190	220-270	150-190
Eastern	200-250	230-280	260-310	260-310	350-400	210-260
Southern (The Gulf of Thailand)	110-150	90-120	100-140	110-150	110-150	250-300
Southern (The Andaman Sea)	280-330	280-330	310-360	370-420	400-450	370-420
Bangkok Metropolis and Vicinity	200-250	180-220	160-200	190-230	300-350	240-290

Remarks:

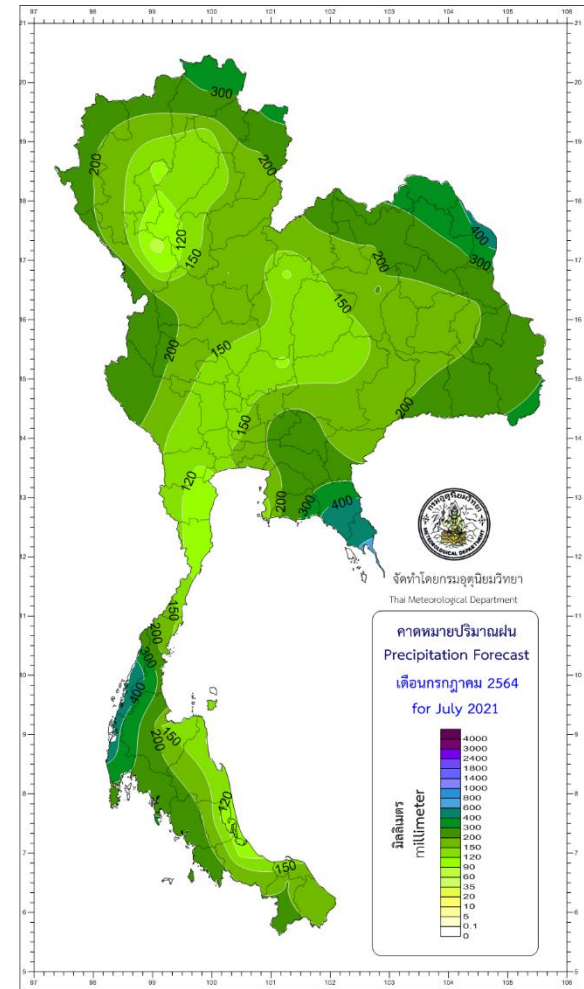
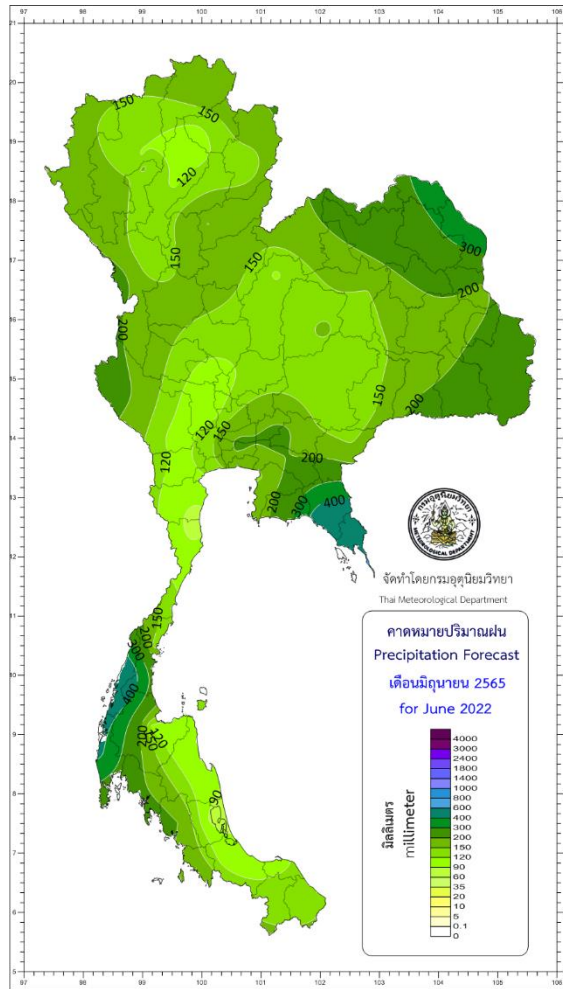
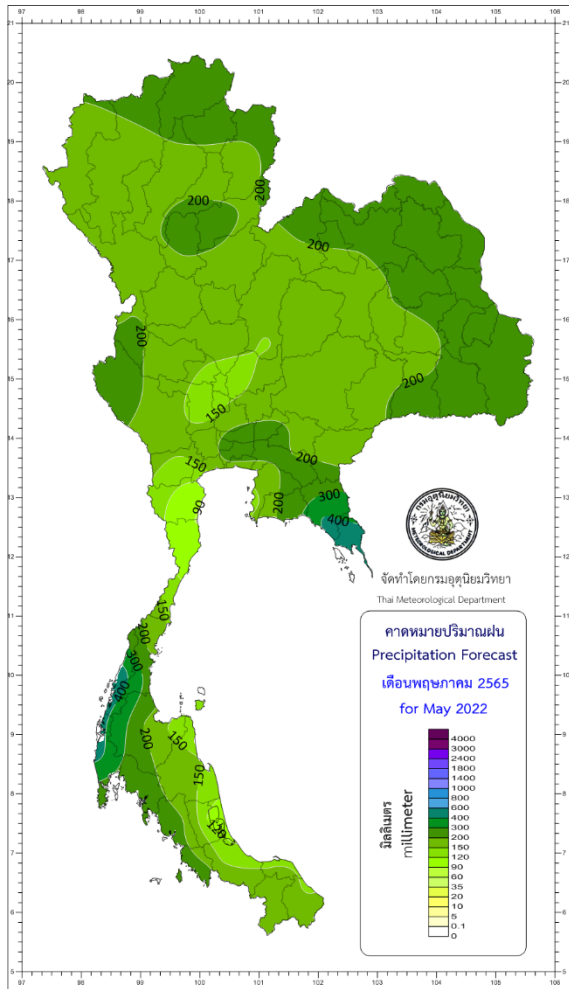
- Normal means average during the 30-year period (A.D. 1991 – 2020 or B.E. 2534 – 2563).
- This long-range climate forecast is created by applying some climate models and statistical methods, please follow daily weather forecast for more accuracy.
- The next updated seasonal forecast may be published online before the end of May 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)

May 2022

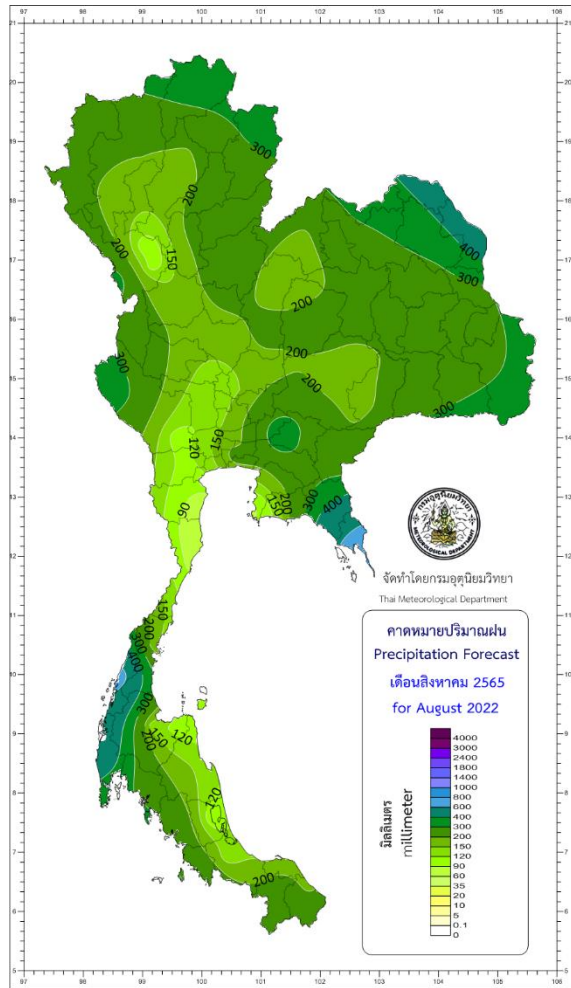
June 2022

July 2022

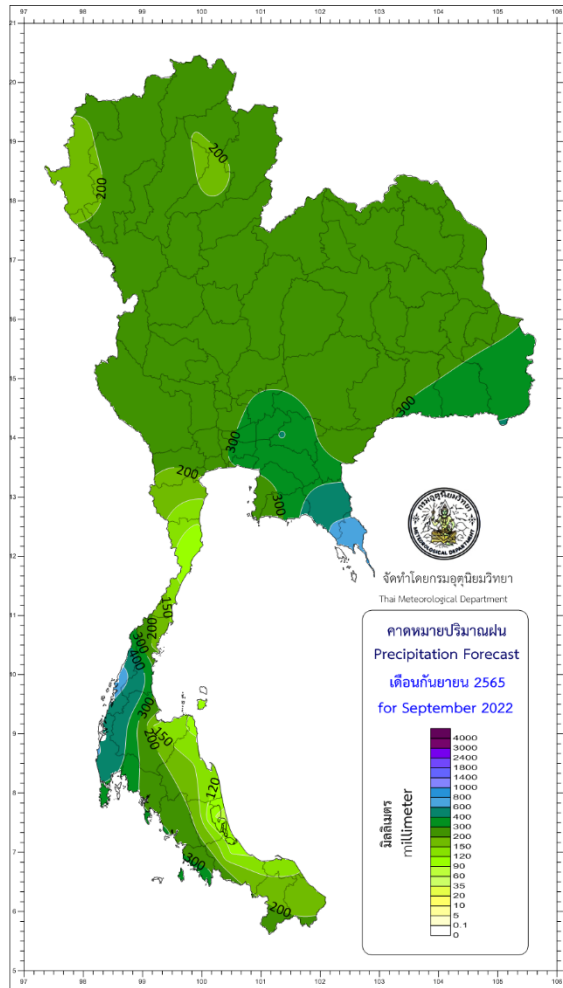


Prediction rainfall in Thailand. (Millimeter)

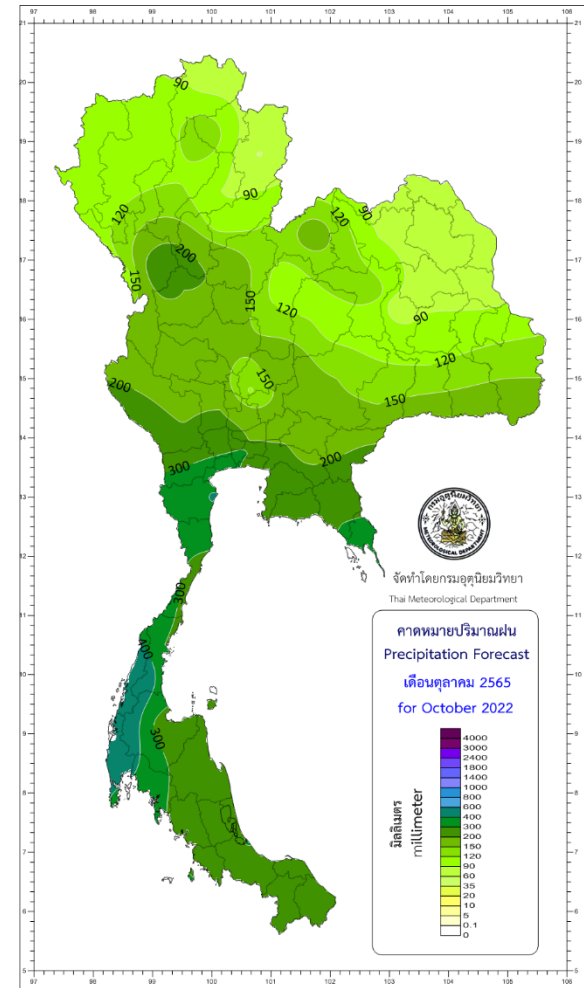
August 2022



September 2022



October 2022

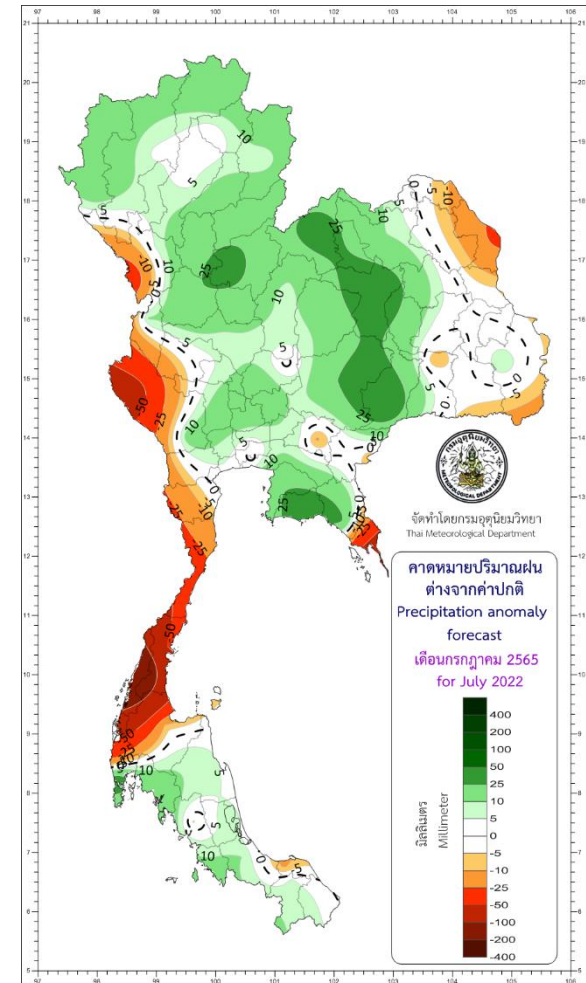
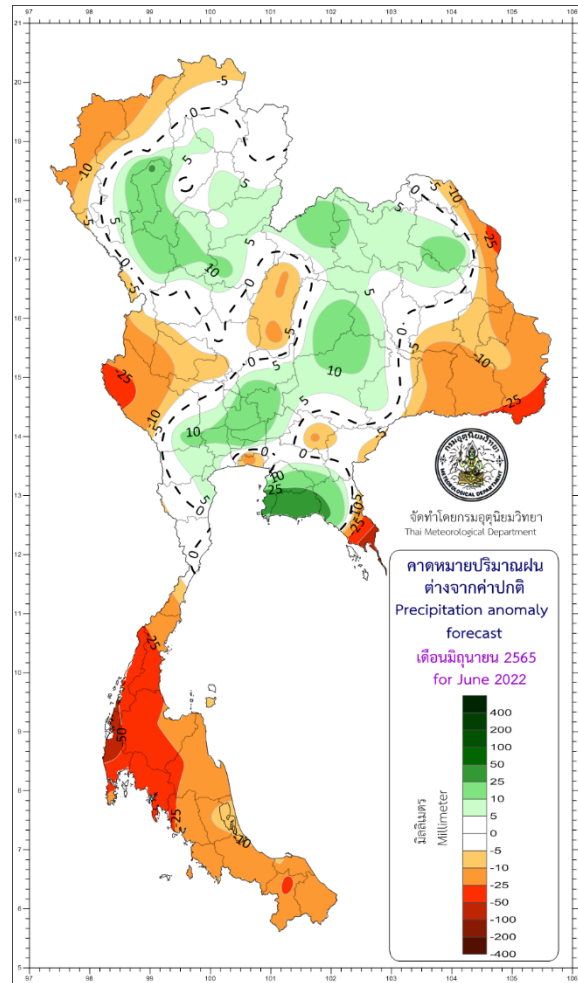
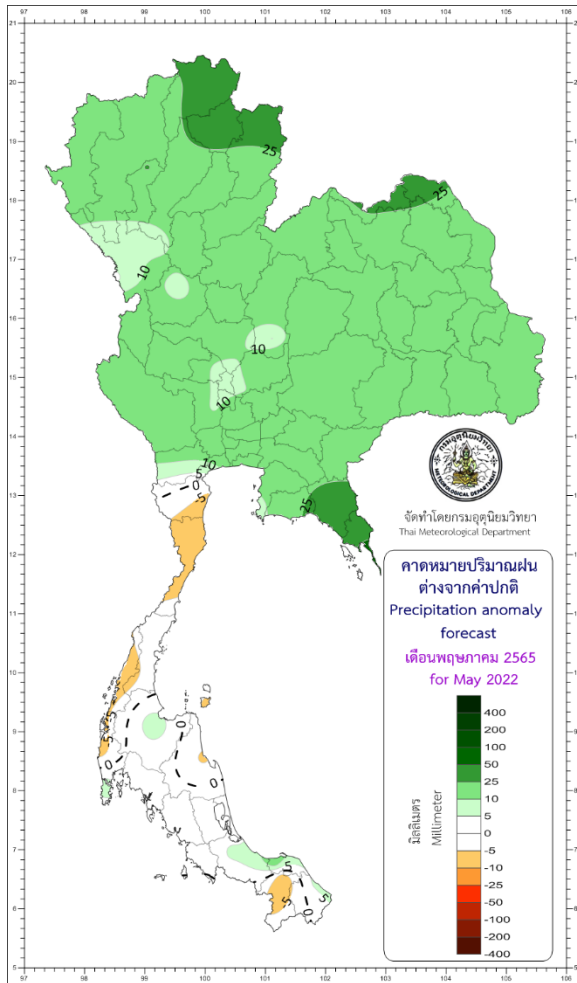


Prediction rainfall in Thailand compare with normal. (Millimeter)

May 2022

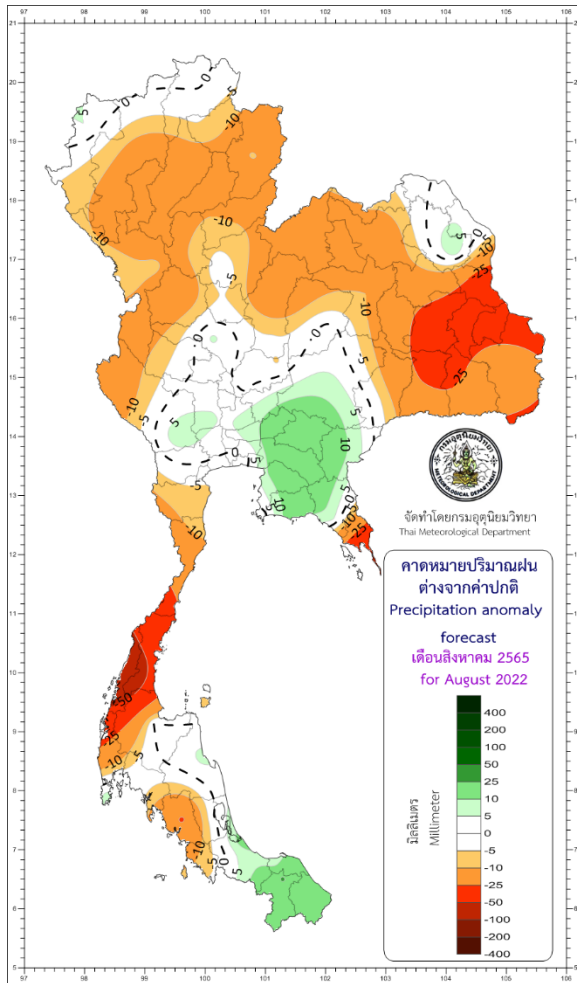
June 2022

July 2022

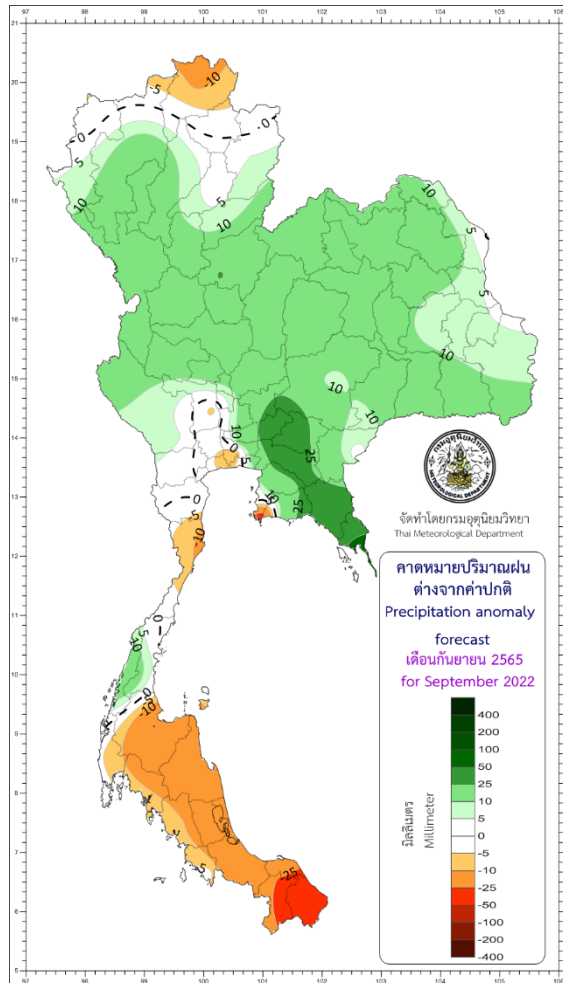


Prediction rainfall in Thailand compare with normal. (Millimeter)

August 2022



September 2022



October 2022

