

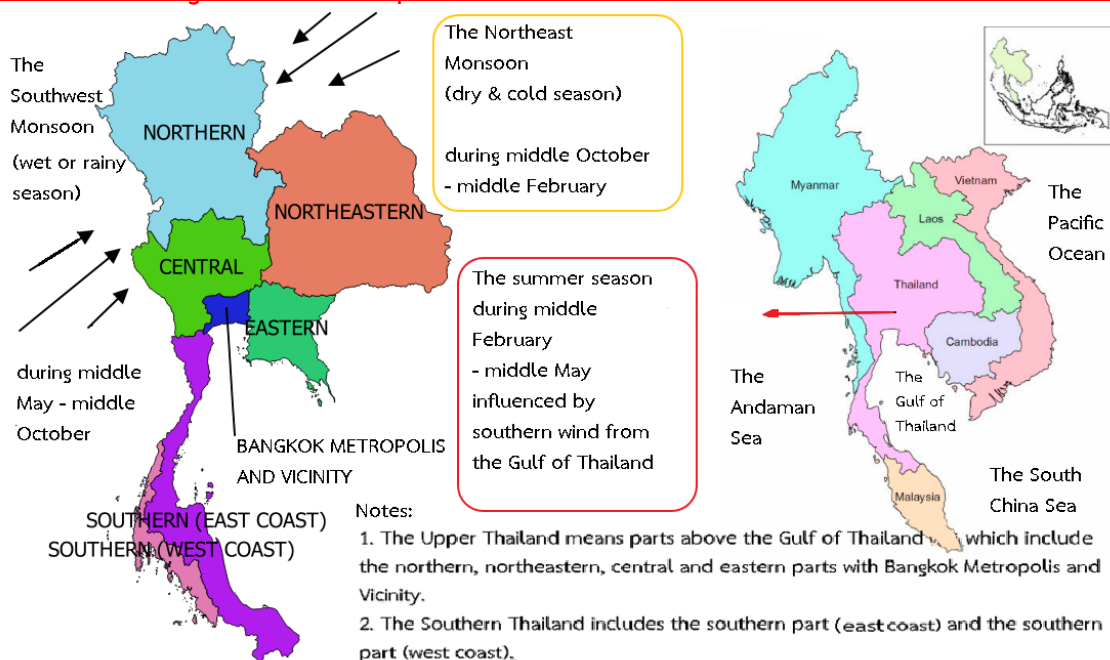


The 2022 rainy season overview

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 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 the first half of June,** the 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 until 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 June and October the total rain amount is expected to be 10% above normal (normal: 153 and 117 mm consecutively). While July the total rain amount will be 10% below normal (normal: 189 mm). For August and September the total rain amount will be near normal (normal: 237 and 222 mm consecutively).

The Northeastern part: For June, September and October the total rain amount is expected to be 10%, 5% and 20% above normal consecutively (normal: 198, 256 and 101 mm consecutively). While July and August the total rain amount will be 10% below normal (normal: 242 and 276 mm consecutively).

The central part: For June and October the total rain amount is expected to be 10% and 20% above normal consecutively (normal: 133 and 160 mm consecutively). While July to September the total rain amount will be near normal (normal: 152, 173 and 238 mm consecutively).

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

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

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

Bangkok Metropolis and Vicinity: For June and October the total rain amount is expected to be 10% above normal (normal: 196 and 244 mm consecutively). While July and August the total rain amount will be near normal (normal: 183 and 212 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                               | June                | July                | August              | September          | October             |
|------------------------------------|---------------------|---------------------|---------------------|--------------------|---------------------|
| Northern                           | 10% Above<br>Normal | 10% Below<br>Normal | Near Normal         | Near Normal        | 10% Above<br>Normal |
| Northeastern                       | 10% Above<br>Normal | 10% Below<br>Normal | 10% Below<br>Normal | 5% Above<br>Normal | 20% Above<br>Normal |
| Central                            | 10% Above<br>Normal | Near Normal         | Near Normal         | Near Normal        | 20% Above<br>Normal |
| Eastern                            | 10% Above<br>Normal | Near Normal         | 10% Below<br>Normal | Near Normal        | 10% Above<br>Normal |
| Southern (The Gulf<br>of Thailand) | Near Normal         | Near Normal         | Near Normal         | 5% Below<br>Normal | 5% Above<br>Normal  |
| Southern (The<br>Andaman Sea)      | Near Normal         | Near Normal         | 10% Below<br>Normal | 5% Below<br>Normal | 10% Above<br>Normal |
| Bangkok Metropolis<br>and Vicinity | 10% Above<br>Normal | Near Normal         | Near Normal         | 5% Below<br>Normal | 10% Above<br>Normal |

## Rain amount (millimeters) prediction for the 2022 rainy season

| Part                            | June    | July    | August  | September | October |
|---------------------------------|---------|---------|---------|-----------|---------|
| Northern                        | 150-190 | 150-190 | 210-260 | 200-250   | 110-150 |
| Northeastern                    | 190-230 | 190-230 | 220-270 | 240-290   | 100-140 |
| Central                         | 130-170 | 130-170 | 150-190 | 210-260   | 180-220 |
| Eastern                         | 260-310 | 260-310 | 230-280 | 330-380   | 210-260 |
| Southern (The Gulf of Thailand) | 100-140 | 100-140 | 110-150 | 110-150   | 240-290 |
| Southern (The Andaman Sea)      | 320-370 | 330-380 | 350-400 | 360-410   | 380-430 |
| Bangkok Metropolis and Vicinity | 190-230 | 160-200 | 190-230 | 270-320   | 240-290 |

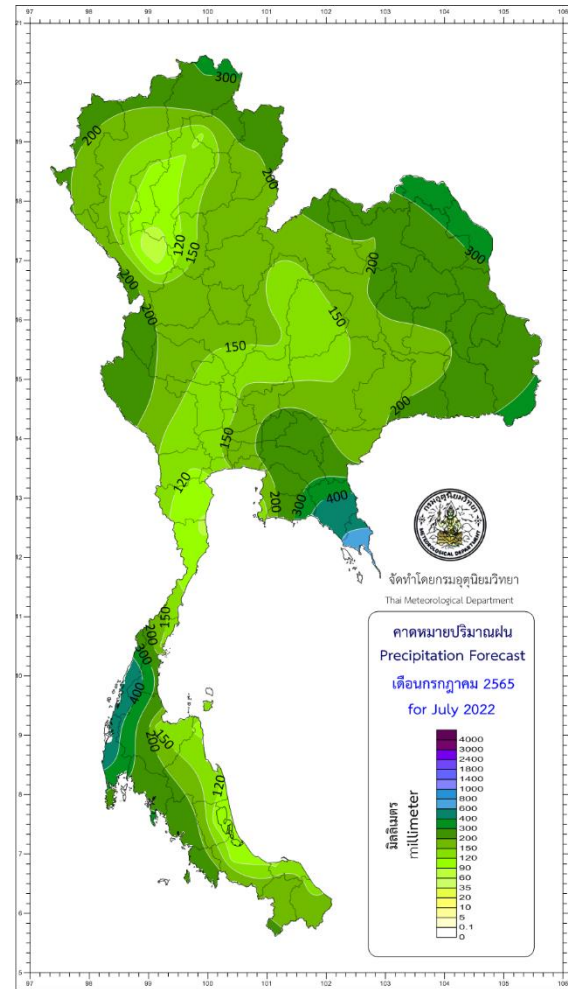
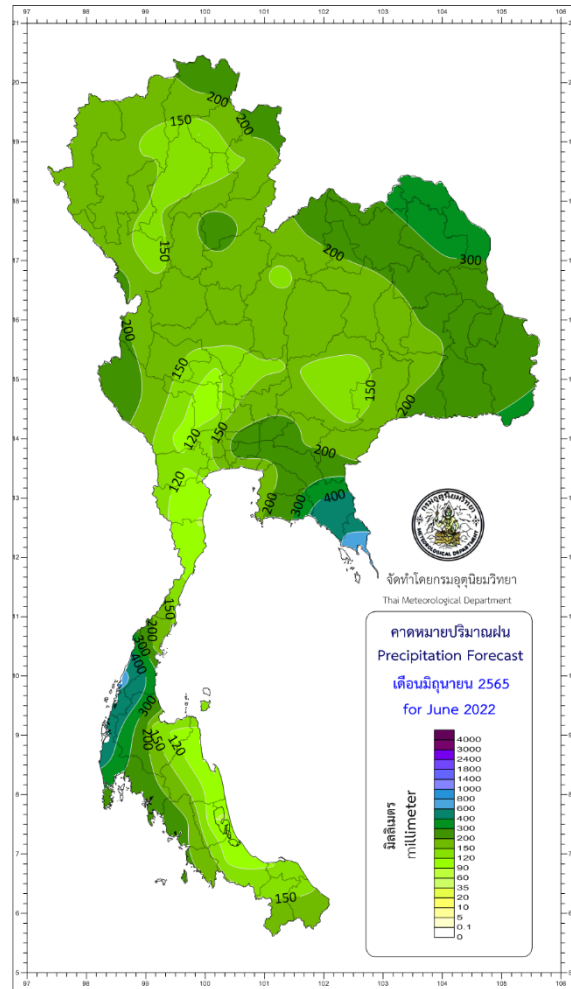
### Remarks:

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

# Prediction rainfall in Thailand. (Millimeter)

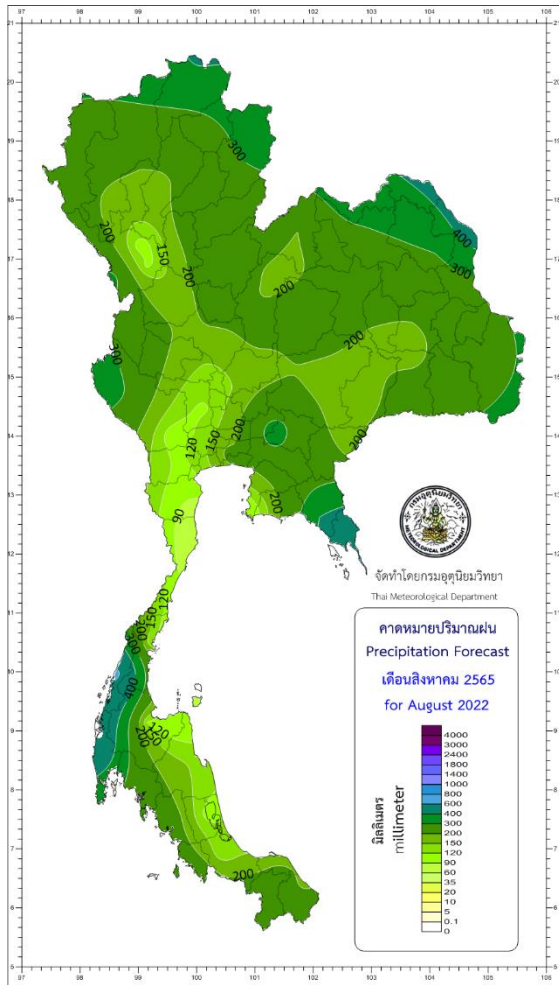
June 2022

July 2022

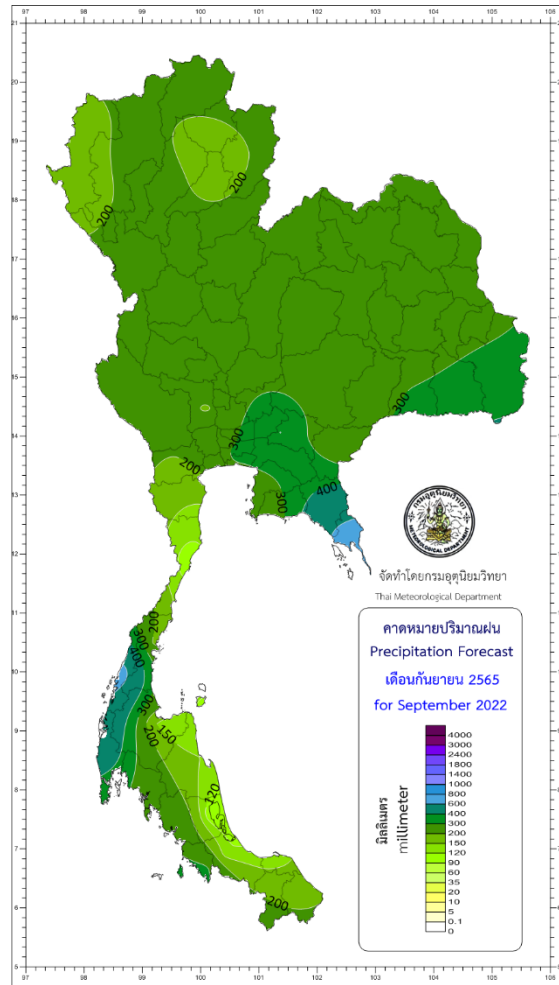


# Prediction rainfall in Thailand. (Millimeter)

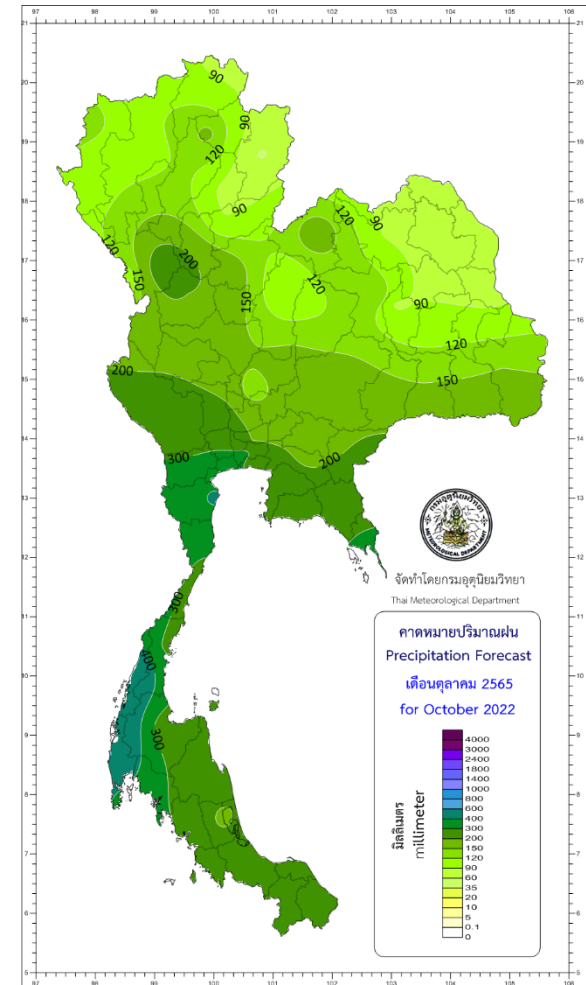
August 2022



September 2022

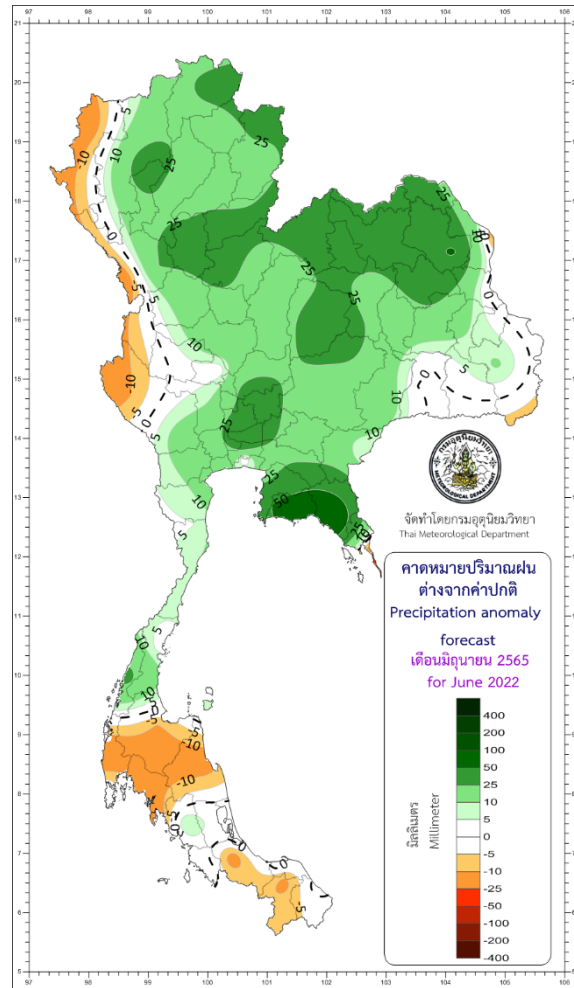


October 2022

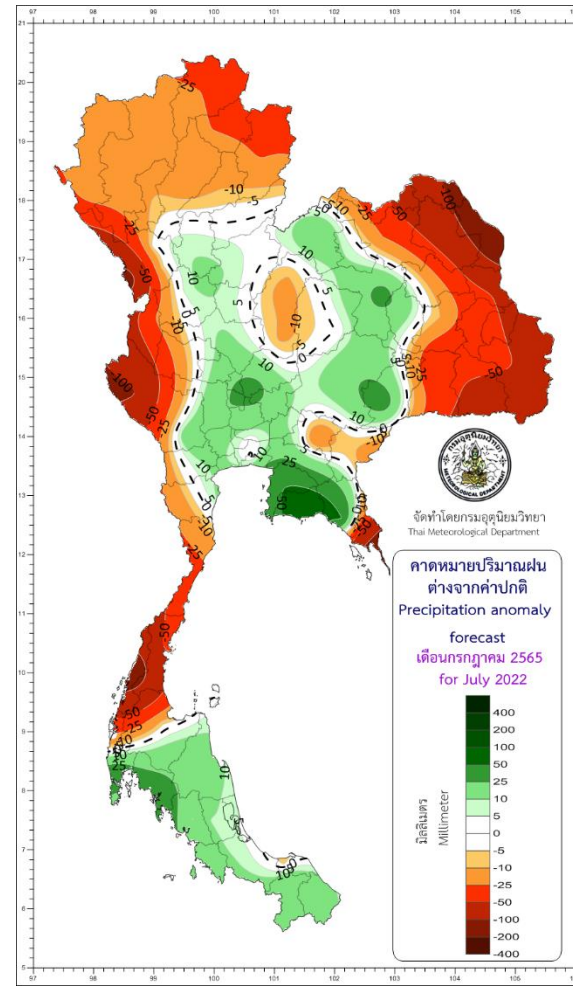


# Prediction rainfall in Thailand compare with normal. (Millimeter)

June 2022



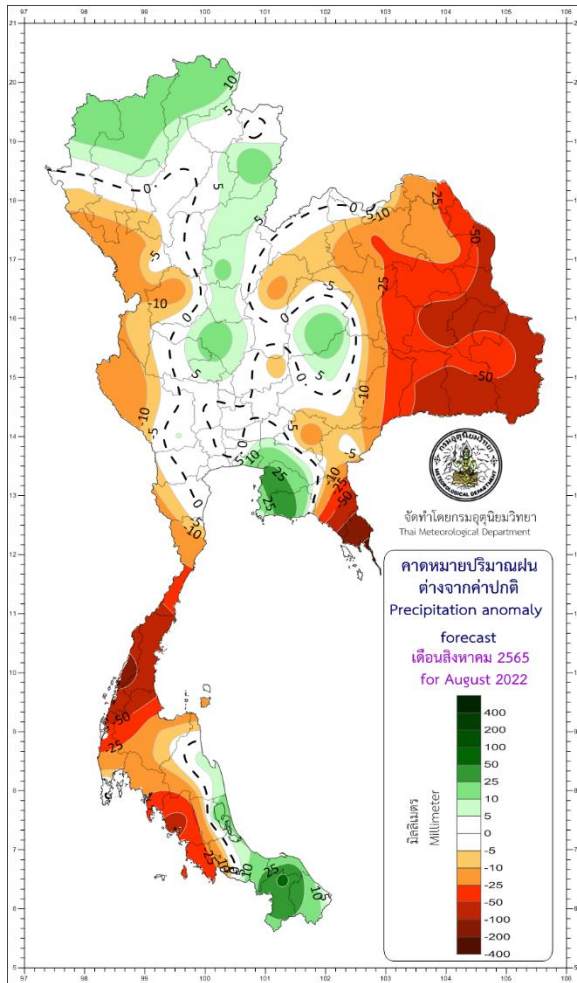
July 2022



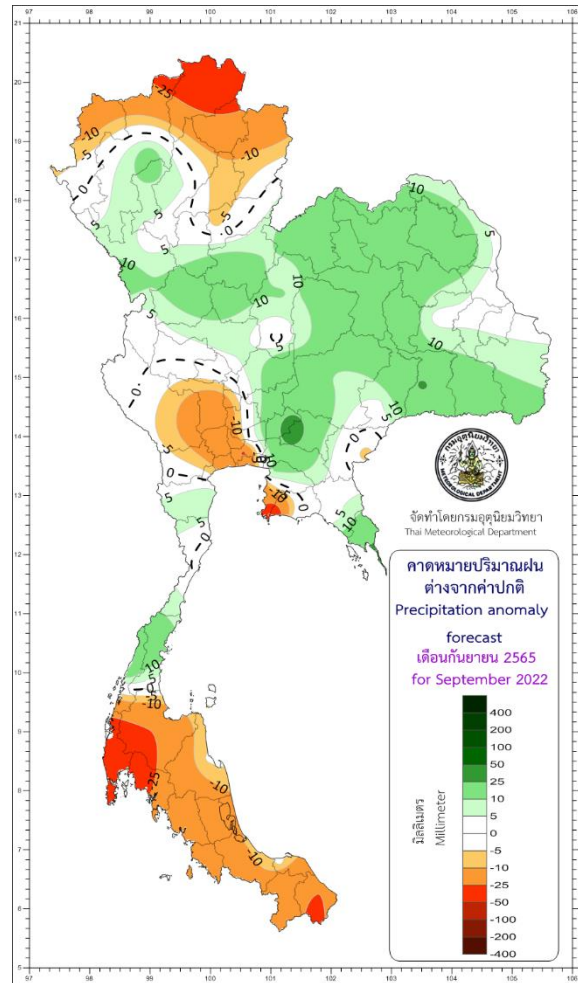


# Prediction rainfall in Thailand compare with normal. (Millimeter)

August 2022



September 2022



October 2022

