

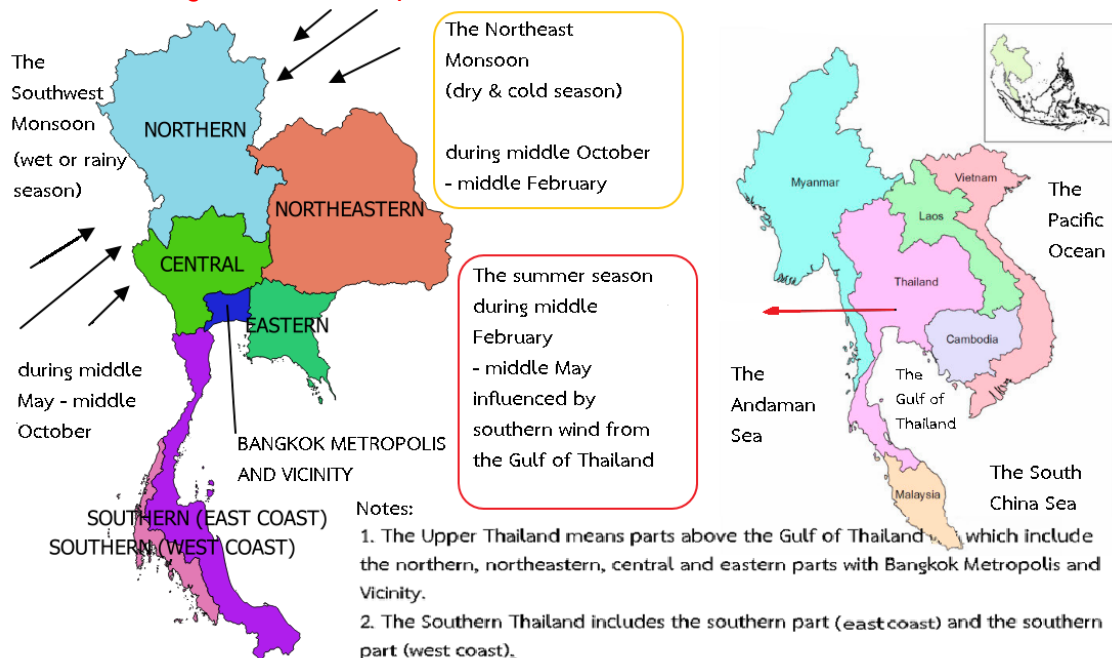


The 2020 rainy season overview

The rainy season of Thailand this year is expected to begin around the end of 3rd week of May and will end in mid-October 2020. 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 the beginning of the rainy season (mid-May to June) the total amount of rain will be 5 percent lower than normal while the middle of the rainy season (July to August) the total amount of rain will be close to the normal values. During the end of rainy season (September to mid-October) the total amount of rain will be 5 – 10 percent lower than normal values.

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 mid-May to the end of 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.

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 May and October, the total rain amount is expected to be 10% and 20% below normal (normal: 178 and 124 mm). Then June and August, the total rain amount is expected to be above normal 5% and 10% (normal: 156 and 223 mm consecutively). While in July and September total rain amount will be near normal (normal: 176 and 218 mm respectively).

The Northeastern part: For May, the total rain amount is expected to be near normal (normal: 187 mm). While in June till October, total rain amount will be 5-20% below normal (normal: 203, 211, 266, 242 and 117 mm respectively).

The central part: For May and October, The total rain amount is expected to be 10% and 20% below normal (normal: 172 and 187 mm). Then the total rain amount in June, July and September will be 5-10% above normal (normal: 145, 156 and 257 respectively). While in August total rain amount is expected to be near normal (normal: 181 mm).

The eastern part For May, August and October, the total rain amount will be 5-10% below normal (normal: 224, 303 and 226 mm respectively). Then June and July, the total rain amount in is expected to be 5% above normal (normal: 262 and 278 mm). While in September total rain amount is expected to be near normal (normal: 330 mm).

The Southern Thailand (east coast: The Gulf of Thailand): For May, the total rain amount is expected to be 10% below normal (normal: 134 mm). Then the total rain amount in June and August will be 5% above normal (normal: 113 and 124 mm). While in July, September and October the total rain amount will be near normal (normal: 119, 150 and 255 mm respectively).

The Southern Thailand (west coast: The Andaman Sea): For May, June and August, the total rain amount is expected to be 5-10% below normal (normal: 310, 312 and 399 mm). While in July, September and October, the total rain amount will be near normal (normal: 337, 424 and 367mm respectively).

Bangkok Metropolis and Vicinity: For May and October, the total rain amount is expected to be 10% below normal (normal: 248 and 292 mm). Then June, July and September, total rain amount will be 5-10% above normal (normal: 157, 175 and 334 mm respectively). While in August total rain amount will be near normal (normal: 219 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 2020 rain prediction comparing with normal

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

Rain amount (millimeters) prediction for the 2020 rainy season

Part	May	June	July	August	September	October
Northern	140-180	150-190	160-200	220-270	200-250	80-110
Northeastern	170-210	160-200	170-210	230-280	190-230	80-110
Central	130-170	140-180	140-180	150-200	240-290	130-170
Eastern	180-220	250-300	270-320	250-300	300-350	180-220
Southern (The Gulf of Thailand)	110-150	100-140	100-140	110-150	130-170	230-280
Southern (The Andaman Sea)	250-300	270-320	310-360	330-380	400-500	340-390
Bangkok Metropolis and Vicinity	200-250	150-190	160-200	190-230	330-380	240-290

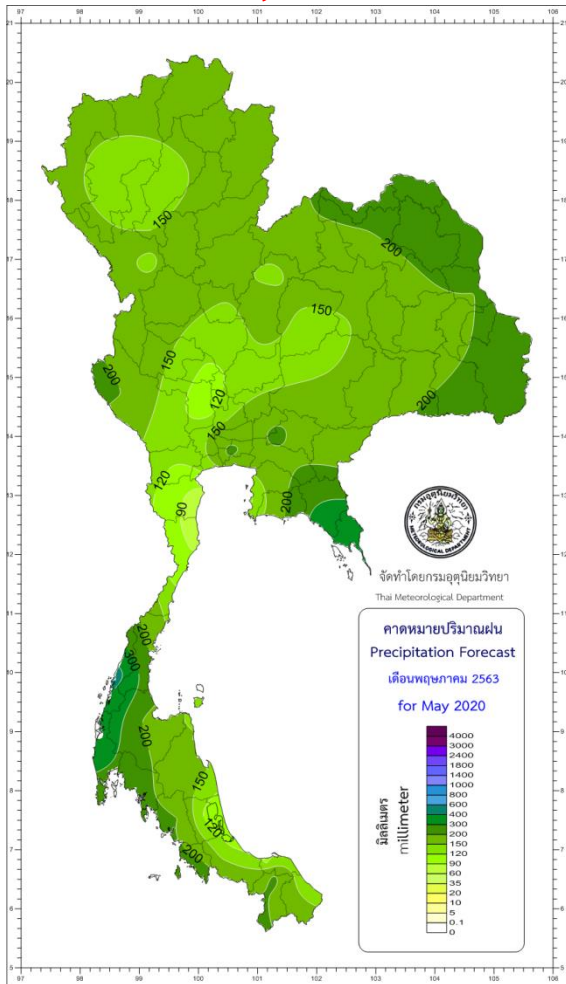
Remarks:

- 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, climate tab.

Precipitation Forecast (mm/month)

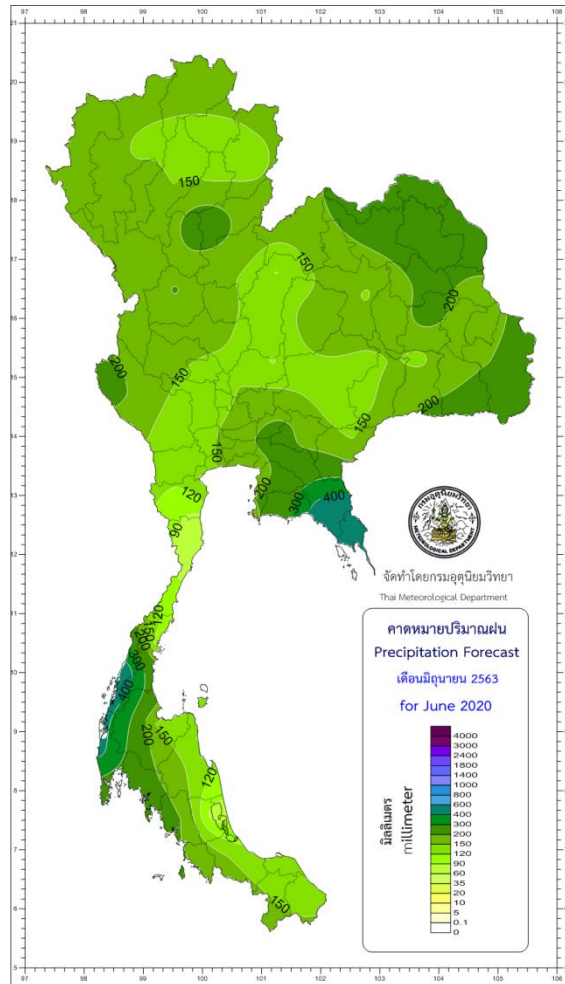
Precipitation forecast for

May 2020



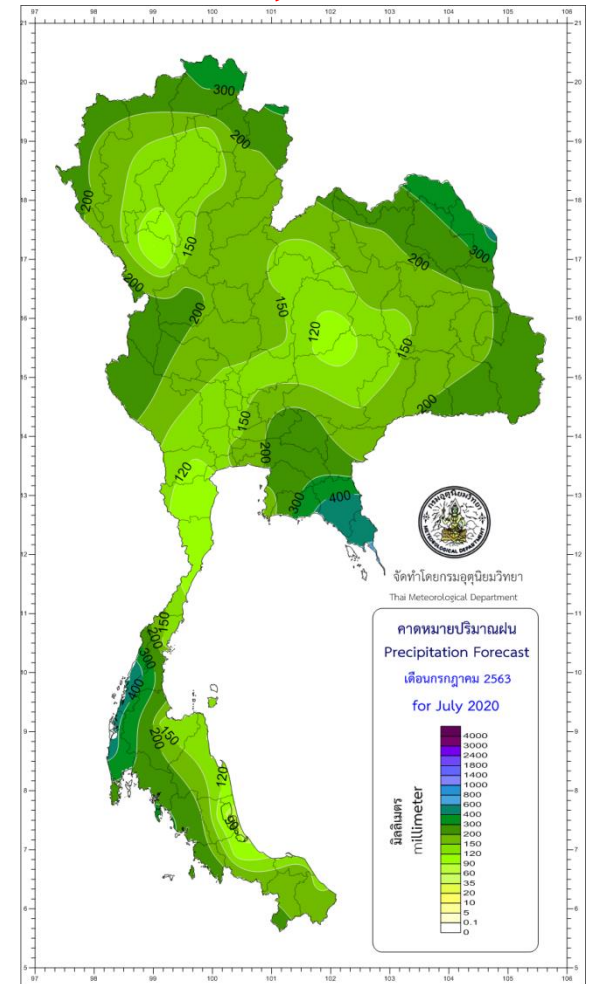
Precipitation forecast for

June 2020



Precipitation forecast for

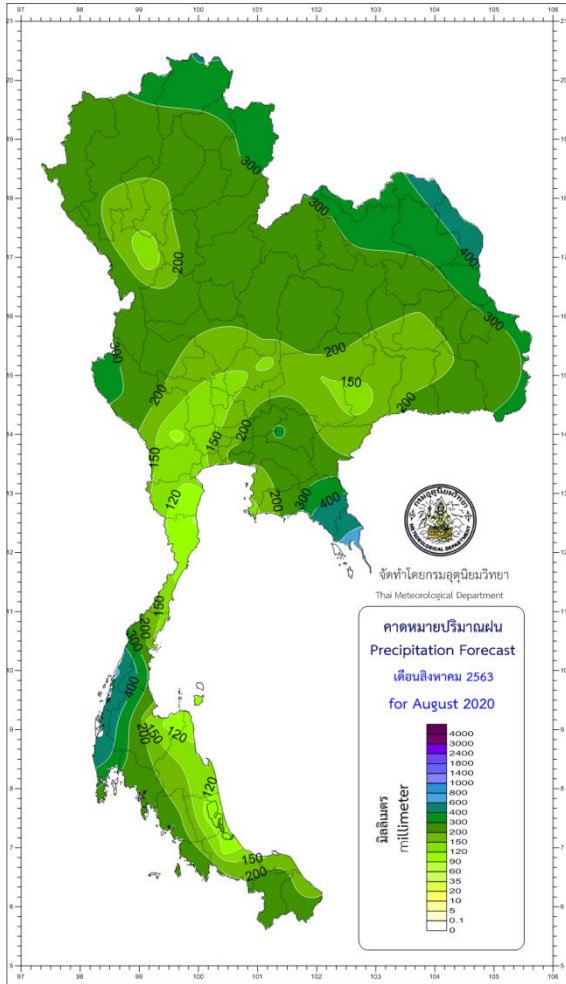
July 2020



Precipitation Forecast (mm/month)

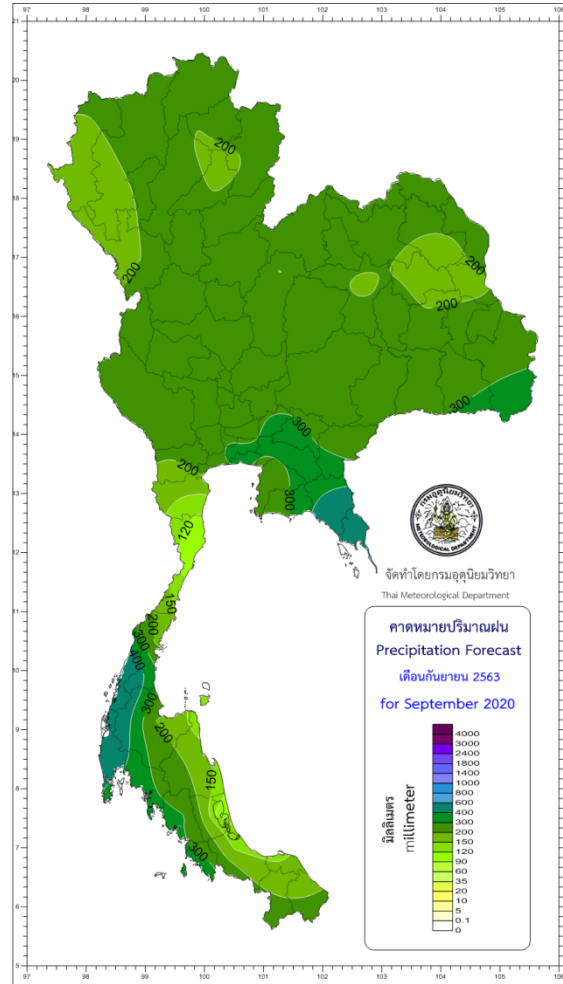
Precipitation forecast for

August 2020



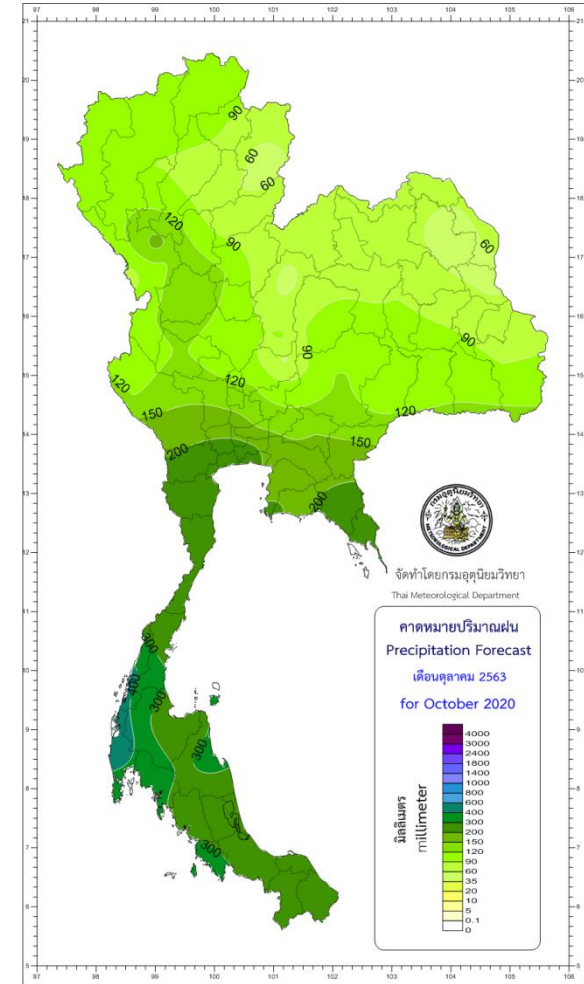
Precipitation forecast for

September 2020



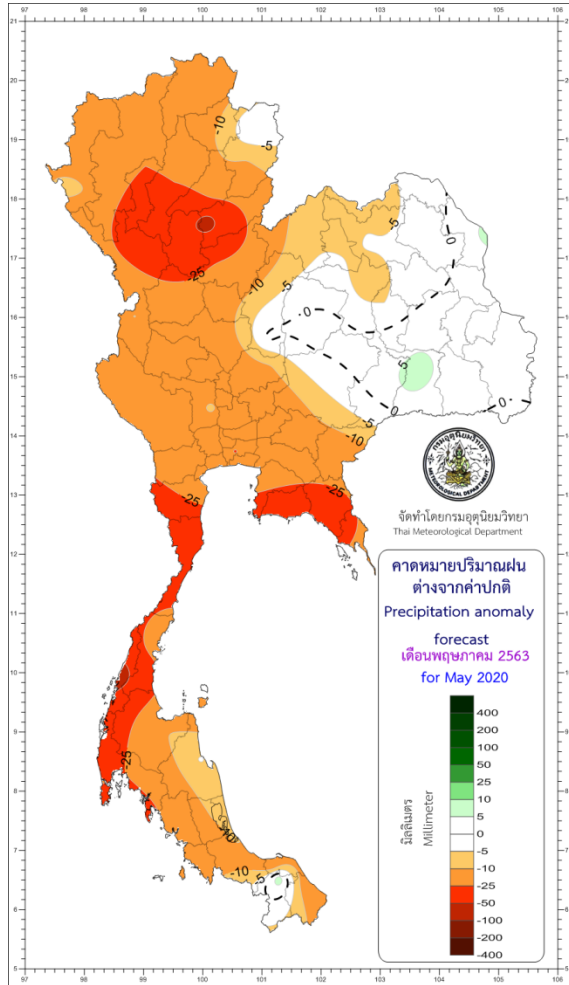
Precipitation forecast for

October 2020

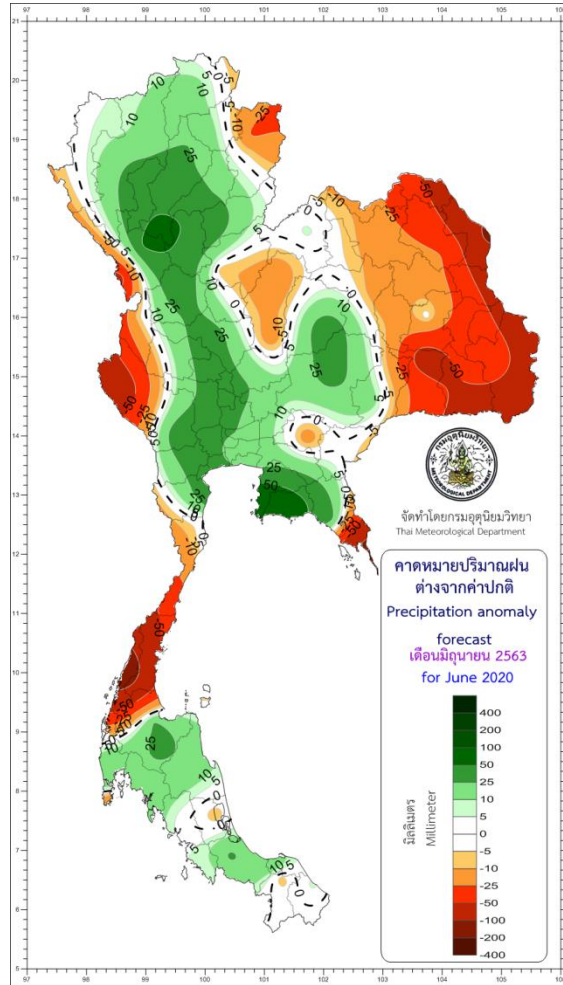


Precipitation Anomaly Forecast (mm/month)

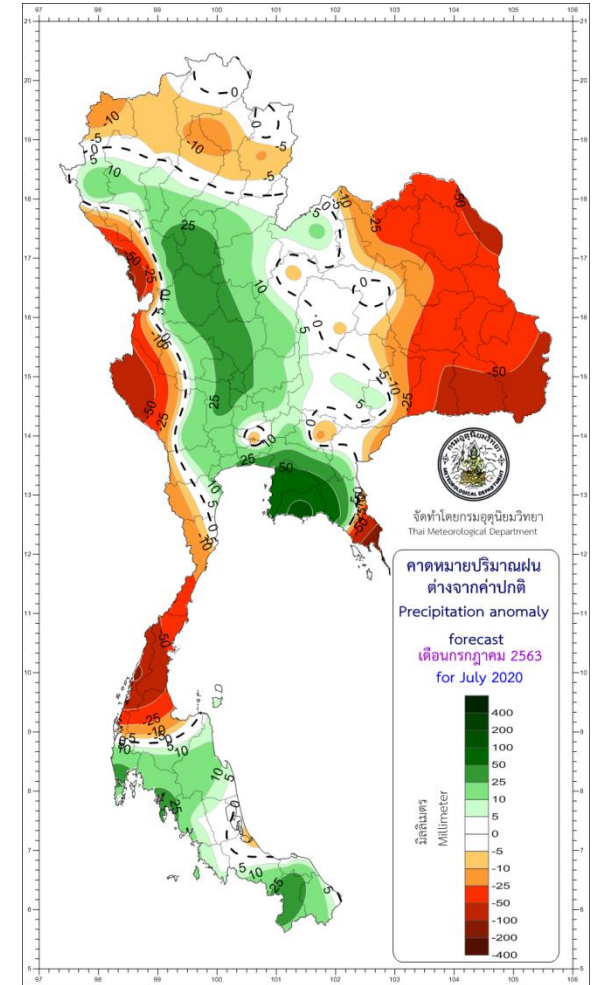
Precipitation anomaly forecast for
May 2020



Precipitation anomaly forecast for
June 2020

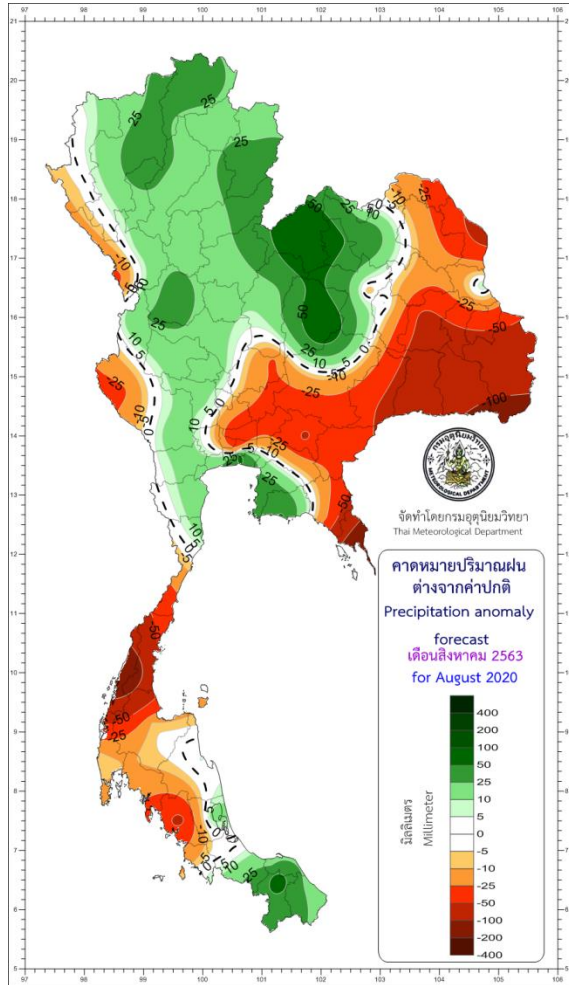


Precipitation anomaly forecast for
July 2020

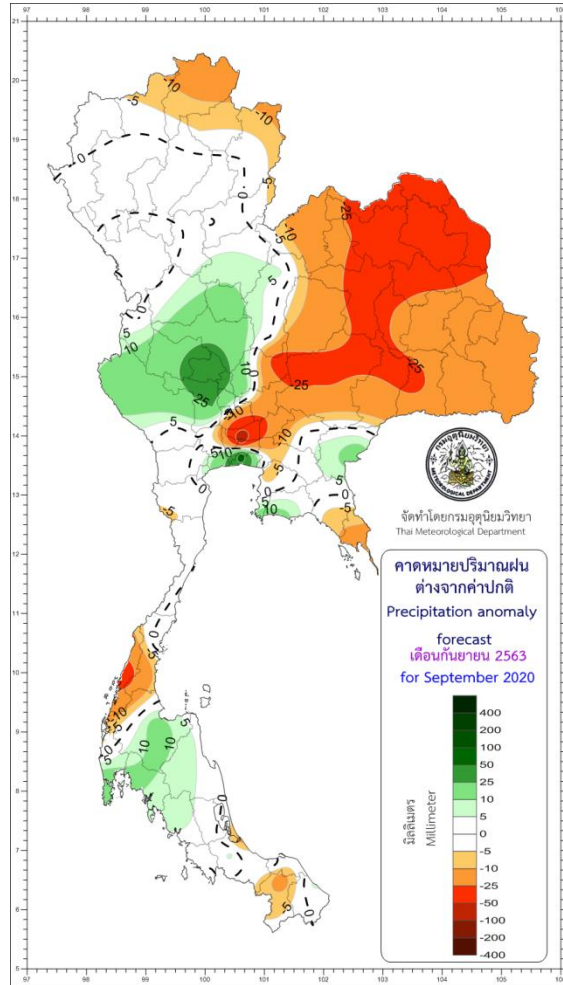


Precipitation Anomaly Forecast (mm/month)

Precipitation anomaly forecast for August 2020



Precipitation anomaly forecast for September 2020



Precipitation anomaly forecast for October 2020

