



# The 2015 Rainy Season Climate Expectation of Thailand

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*The rainy season of this year is expected to begin a little later about at the 3<sup>rd</sup> week of May and will end at about middle October, whereas the total rain will be slightly below normal and near that of last year. However, during August and September, Thailand will experience heavy to very heavy rain at many areas bringing about flash flood, forest flood and overflow in some areas. The public should be cautious about these natural hazards and follow weather news closely.*

## General Weather Characteristics:

During the 2nd half of May until late June, rather active southwest monsoon will prevail over the Andaman Sea and Thailand continuously and periodically. These characteristics will influence Thailand to experience continuous rain and heavy rain in some areas. For during late June until late July, the prevailing southwest monsoon over the Andaman Sea and Thailand will weaken discontinuously, while the monsoon trough placing over the Upper Thailand will move upward to lie across Southern China causing much reducing rain in Thailand. Thus water shortage happens in many agricultural areas, especially for those repeated drought areas outside the irrigation zones. Then during late July until September, the previously prevailing southwest monsoon will return back becoming active more continuously from time to time. Furthermore, the monsoon trough will move downward to place over the Upper Thailand again influencing Thailand to experience abundant rain as almost widespread rainfall and heavy to very heavy rain at many areas. As a result, flash flood, forest flood and overflow appear at many areas. Then during October, high pressure air masses from China will prevail to cover northeastern and northern regions periodically. Additionally, the monsoon trough will move downward to cover the upper portion of Southern Thailand. Moreover, the southwest monsoon prevailing over Thailand will change its direction to be northeasterly prevailing over Thailand, the Gulf of Thailand and the Southern Thailand. These characteristics will cause the Upper Thailand to experience less rain and become cool or cold in the morning, especially at the northern and northeastern regions, whereas the Southern Thailand will experience dense rain further, especially at the eastern coast.

The rainy season of this year of the Upper Thailand will end at about middle October, while the Southern Thailand will still experience continuous rain until late January. Specifically during November and December, the Southern Thailand (East Coast) will experience heavy to very heavy rain at many areas.

## Tropical cyclone (depressions, tropical storms and typhoons)

This year, about 1-2 tropical cyclones are expected to move toward Thailand. Their tendencies are:

One tropical cyclone passes **northeastern and northern parts** during August or September.

And another one will pass the southern Thailand during November.

### Details for each part of Thailand:

Northern During May, the rainfall is expected to be slightly below normal (Normal: 177.8 millimeters). Then during June until October, the rainfall is to be nearly normal (Normal: 156.2, 176.0, 223.0, 218.3 and 124.1 millimeters respectively).

Northeastern During May, the rainfall is expected to be slightly below normal (Normal: 187.1 millimeters). Then during June until October, the rainfall is to be near normal (Normal: 203.4, 211.4, 266.2, 242.0 and 117.1 millimeters respectively).

Central During May, the rainfall is expected to be slightly below normal (Normal: 172.1 millimeters). Then during June until October, the rainfall is to be near normal (Normal: 145.2, 155.5, 181.1, 257.3 and 187.1 millimeters respectively).

Eastern During May, the rainfall is expected to be slightly below normal (Normal: 223.8 millimeters). Then during June until October, the rainfall is to be near normal (Normal: 261.5, 277.5, 302.5, 330.1 and 225.1 millimeters respectively).

Southern Thailand (the Gulf of Thailand) During May, the rainfall is expected to be slightly below normal (Normal: 143.7 millimeters). Then during June until October, the rainfall is to be near normal (Normal: 113.0, 118.9, 124.1, 150.1 and 255.3 millimeters respectively).

Southern Thailand (the Andaman Sea) During May, the rainfall is expected to be slightly below normal (Normal: 310.1 millimeters). Then during June until October, the rainfall is to be near normal (Normal: 312.4, 336.5, 398.5, 423.9 and 366.5 millimeters respectively).

Bangkok Metropolis and vicinity During May, the rainfall is expected to be slightly below normal (Normal: 247.7 millimeters). Then during June until October, the rainfall is to be near normal (Normal: 157.1, 175.1, 219.3, 334.2 and 292.1 millimeters respectively).

### Cautions:

*1. During May, low pressure air masses develop in the Andaman Sea, and may strengthen to be cyclones and move toward the north to the eastern direction near the western side of Thailand. So heavy to very heavy rainfall happens in many areas, mostly at the southern Thailand (west coast), and the western side of the northern and central parts of Thailand.*

*2. During some periods, heavy to very heavy falls occur continuously for many days. Thus flash floods and flooding situations may happen especially in August until September. Consequently, the public should follow up daily weather news closely.*

*3. While tropical cyclones moving near or past Thailand, gust, widely rains and heavy to very heavy rainfall take place in many areas. As coastal areas have storm surges with rough to very rough sea appearing to be 2 – 4 meters height.*

*The public and seafarers should be careful from these natural disasters, and should follow news during the tropical cyclone periods closely.*

Part	May-Jun	Jul-Aug	Sep-Oct	Nov-Dec
North	Slightly below Normal	nearly normal	nearly normal	-
Northeast	Slightly below Normal	nearly normal	nearly normal	-
Central	Slightly below Normal	nearly normal	nearly normal	-
East	Slightly below Normal	nearly normal	nearly normal	-
Southern Thailand East Coast	Slightly below Normal	nearly normal	nearly normal	nearly normal
Southern Thailand West Coast	Slightly below Normal	nearly normal	nearly normal	nearly normal
Bangkok Metropolis and Vicinity	Slightly below Normal	nearly normal	nearly normal	-

### Rainfall amount expectations (millimeters) during the rainy season of 2015:

Part	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
North	140-180	140-180	150-200	200-250	190-240	100-140	-	-
Northeast	140-180	170-220	180-230	240-290	220-270	100-140	-	-
Central	140-180	120-160	130-170	160-210	230-280	160-210	-	-
East	180-230	240-290	250-300	280-330	300-350	200-250	-	-
Southern Thailand East Coast	110-150	100-140	100-140	100-140	130-170	230-280	300-400	210-260
Southern Thailand West Coast	270-320	280-330	300-400	350-450	400-500	300-400	170-220	60-90
Bangkok Metropolis and Vicinity	200-250	140-180	150-200	190-240	300-400	270-320	-	-

Remarks: - Normal means averages during the 30-year period (A.D. 1981 – 2010 or B.E. 2524 – 2553).

- These expectations are long rang forecasts by using statistical and climate models which may have some errors.

- Please enquire climate forecasts: monthly/seasonally at Tel. 662-398-9929 or Fax. 662-383-8827 or at [www.tmd.go.th](http://www.tmd.go.th) or [www.weather.go.th](http://www.weather.go.th)

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