

The summarized rain of the rainy season of Thailand this year is expected to be less than normal and less than that of last year's. Thus, the amount of water supply is not enough for agriculture in many areas, especially at the area outside irrigation zones.

General Weather Characteristics:

During the beginning and middle June: Southwest monsoon will be prevalent covering the Andaman Sea and Thailand by being rather active in some periods. Additionally, a monsoon trough will place over the upper Thailand from time to time. These will cause Thailand to have abundant rainfall with heavy rains in some areas.

Then during the end of June until middle July: The prevalent southwest monsoon will weaken and the monsoon trough covering the upper Thailand will move upward to place over southern China causing the amount and distribution of rainfall to become less in this period. Thus, shortage of water for agriculture happens in many areas of Thailand, especially at drought areas outside irrigation zones.

Then during middle July until September: The prevalent southwest monsoon will become more active, and the monsoon trough will move upward to place over the upper Thailand again. Hence, Thailand will have almost widespread rains and heavy to very heavy falls in some areas. Consequently, flash floods and flooding situations and over-flows occur in some areas.

About October: High pressure air masses from China will prevail to place over the upper portion of the northern and northeastern regions from time to time. Moreover, the monsoon (low pressure) trough will move downward to place over the upper portion of southern Thailand. Furthermore, the prevalent southwest monsoon will change to be northeastern monsoon prevail to cover the upper Thailand, the Gulf of Thailand and the southern Thailand.

As a result, the upper Thailand will have less rainfall and cool air covers the northern and northeastern regions while the southern part will still have abundant rains, especially at the eastern coast.

Briefly, the rainy season of this year of the upper Thailand will end at about middle October. Whereas the southern Thailand will still have rains continuously until middle January, especially in November and December when heavy to very heavy rains occur in some areas.

The 2014 tropical cyclones (depressions, tropical storms, and typhoons)

This year is expected to have 2 tropical cyclones moving toward Thailand. One tropical cyclone is to move passing the northeastern and northern regions in August or September. And another one is to move passing the southern region during November or December.

### Details for each part of Thailand:

Northern During the past May, rainfall was below normal. And during June till July, rainfall will be slightly below normal (Normal: 156.2 and 176.0 mm.). Then during August till October, rainfall will be below to near normal (Normal: 223.0, 218.3 and 124.1 mm.).

Northeastern During the past May, rainfall was below normal. Then during June until July, rainfall will be slightly below normal (Normal: 203.4 and 211.4 mm.). And during August till October, rainfall will be below to near normal (Normal: 266.2, 242.0 and 117.1 mm.).

Central During the past May, rainfall was below normal. And during June until July, rainfall will be below normal (Normal: 145.2 and 155.5 mm.). Then during August till October, rainfall will be below to near normal (Normal: 181.1, 257.3 and 187.1 mm.).

Eastern During the past May, rainfall was below normal. And during June till July, rainfall will be below normal (Normal: 261.5 and 277.5 mm.). Then during August till October, rainfall will be below to near normal (Normal: 302.5, 330.1 and 225.1 mm.).

Southern Thailand (the Gulf of Thailand) During the past May, rainfall was below normal. And during June until July, rainfall will be slightly below normal (Normal: 113.0 and 118.9 mm.). Then during August till October, rainfall will be near normal (Normal: 124.1, 150.1 and 255.3 mm.).

Southern Thailand (the Andaman Sea) During the past May, rainfall was below normal. Then during June till July, rainfall will be slightly below normal (Normal: 311.8 and 336.5 mm.). And during August till October, rainfall will be near normal (398.5, 423.9 and 366.5 mm.).

Bangkok Metropolis and Vicinity During the past May, rainfall was below normal. And during June till July, rainfall will be slightly below normal (Normal: 157.1 and 175.1 mm.). Then during August till October, rainfall will be near normal (Normal: 219.3, 334.2 and 292.1 mm.).

### Cautions:

1. *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.*

2. *While tropical cyclones moving near or past Thailand. Gust, widely rains and heavy to very heavy rainfall take place in many areas. While coastal areas will have storm surges with rough to very rough sea appearing as 3 – 5 meters height. The public and seafarers should be careful from these natural disasters, and should follow news during the tropical cyclone periods closely.*

## Rainfall expectations of 2014 compared to normal:

Part	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	Slightly below 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 2014:

Part	Jun	Jul	Aug	Sep	Oct	Nov	Dec
North	120-160	140-180	200-250	180-230	100-140	-	-
Northeast	160-210	170-220	240-290	220-270	100-140	-	-
Central	110-150	130-170	160-210	230-280	160-210	-	-
East	220-270	230-280	280-330	300-350	200-250	-	-
Southern Thailand East Coast	90-120	90-120	100-140	130-170	230-280	300-400	210-260
Southern Thailand West Coast	270-320	290-340	350-450	400-500	300-400	170-220	60-90
Bangkok Metropolis and Vicinity	120-160	150-200	190-240	300-350	260-310	-	-

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)

Climatological Center

Meteorological Development Bureau

Thai Meteorological Department