

Weather outlook for winter season of Thailand

Mid-October 2010 to Mid-February 2011

General Situation

Upper Thailand, the winter season will start around mid-October. The northeast monsoon, which occasionally strengthen, will extend to cover upper Thailand and the Gulf of Thailand, resulting in decreasing temperature to become cool to cold weather with morning fog in northern and northeastern parts before the other parts. For central and eastern parts, the temperature will decrease to become cool weather around November. During the some periods in December 2010 and January 2011, very cold in various areas are expected over the upper northern, upper northeastern and the mountainous areas. The northeast monsoon prevailing over Thailand will weaken around mid-February 2011, causing warm air in central, eastern and southern Thailand, however cool weather will persist in northern and northeastern Thailand until early March. This winter season will be terminated around mid-February 2010.

Southern part, the northeast monsoon from the Gulf of Thailand through east coast of southern part and accompanying the low pressure trough downward from upper to lower southern Part during mid-October to December. So, the fertile rainfalls are expected mostly over the east coast, especially in November. By the way, during the winter season, the tropical cyclones may develop and move through southern Thailand causing widespread thundershower with heavy to very heavy rainfalls, flood conditions, strong wind, rough sea with wave height 2-4 meters and storm surge in the tropical cyclone areas. The rainfall will decrease and then cool weather will cover around December.

Forecast for each parts

Northern and northeastern parts. Cool to cold weather with morning fog. For December 2010 to January 2011, cold to very cold with dense fog in some areas of Mae Hong Son, Chiang Rai, Chiang Mai, Phayao, Nan, Tak, Loei, Nong Khai, Sakon Nakhon, Udon Thani and Nakhon Phanom, especially in the mountainous areas. Around mid-March the temperature will increase.

Central and Eastern parts. For November, the weather will be cool in general. Cold with morning fog during December to January, the mountain areas of Kanchanaburi and Lop Buri will be very cold and dense fog in some areas. Around middle of February, the weather will be warm to become hot during daytime.

Southern Thailand (East coast). Around middle of October to December, the fertile rainfall will persist and isolated heavy to very heavy falls mostly from Chumphon southward, flooding conditions may occur in southern Thailand and the wave height in the Gulf of Thailand will strengthen. Then, the amount and distribution of rainfall will decrease. Cool will be reported in the morning mostly in the upper portion.

Southern Thailand (West coast). The fertile rainfall still persist and the wave height in the Andaman Sea will be rather active from mid-October to mid-November. Then, the amount of rainfall will decrease. Cool and morning fog mostly in mid-December.

Bangkok Metropolis. Cool and morning light fog, especially in November to January. Around mid-February, the weather will be warm to become hot during daytime.

Conclusion The temperature in this winter are below normal and last year (2009-2010). By the way, very cold weather are expected in the upper northern, upper northeastern and the mountainous areas mostly during December 2010 and January 2011. This winter season will be terminated upper Thailand around mid-February 2011.

For Southern Thailand, the fertile rainfalls are expected in November and the rain will persist until December which terminate of rainy season of southern Thailand.

Remark	Cool	minimum temperature	16.0 - 22.9 ^o C
	Cold	minimum temperature	8.0 - 15.9 ^o C
	Very Cold	minimum temperature	0 - 7.9 ^o C

Mean minimum temperature forecast during winter season 2010-2011

Regions	November2010	December2010	January 2011	February 2011		
				First half	Second half	
North	Upper	16-18 °C. Isolated showers	12-14 °C. Isolated showers	11-13 °C. Isolated showers	14-16 °C.	16-18 °C.
	Overall					
	Lower	18-20 °C. Isolated showers	15-17 °C. Isolated showers	15-17 °C. Isolated showers	16-18 °C.	18-20 °C.
Northeast	Upper	17-19 °C. Isolated showers	14-16 °C. Isolated showers	14-16 °C. Isolated showers	16-18 °C.	18-20 °C.
	Overall					
	Lower	19-21 °C. Isolated showers	16-18 °C. Isolated showers	16-18 °C. Isolated showers	17-19 °C.	19-21 °C.
Central		20-22 °C. Widely scattered showers	18-20 °C. Isolated showers	18-20 °C. Isolated showers	20-22 °C.	22-24 °C.
East		20-22 °C. Widely scattered showers	19-21 °C. Isolated showers	19-21 °C. Isolated showers	20-22 °C.	22-24 °C.
Southern Thailand(East coast)	22-24 °C. Almost widespread thundershowers and heavy to very heavy falls in various areas especially from Chumphon southward.	22-24 °C. Almost widespread thundershowers and heavy to very heavy falls in various areas especially from Surat Thani southward.	20-22 °C. Cool weather in upper portion. Widely scattered showers from Surat Thani southward, especially during the first half of the month.	21-23 °C. Widely scattered showers		
Southern Thailand (West coast)	22-24 °C. Scattered showers and isolated heavy falls.	21-23 °C. Widely scattered showers	21-23 °C. Widely scattered showers	21-23 °C. Isolated showers		
Bangkok Metropolis	21-23 °C. Widely scattered showers	19-21 °C. Isolated shower	19-21 °C. Isolated shower	21-23 °C.	22-24 °C.	

The extreme minimum temperature by statistics and forecast in December 2010 and January 2011

	December					January				
	Extreme minimum temperature (1963-2009)			Extreme minimum temperature in 2009	Extreme minimum temperature forecast in 2003	Extreme minimum temperature (1963-2010)			Extreme minimum temperature in 2010	Extreme minimum temperature forecast in 2004
	(°C.)	Date	Year	(°C.)	(°C.)	(°C.)	Date	Year	(°C.)	(°C.)
North										
Chiang Rai	1.5	25	1999	11.1	6-8	1.5	2	1974	10.8	7-9
Chiang Mai	3.8	25	1999	13.2	7-9	3.7	2	1974	13.5	8-10
Phitsanulok	8.9	26	1999	17.5	11-13	7.5	13	1955	16.4	12-14
Northeast										
Udon Thani	4.2	25	1999	14.3	7-9	2.5	12	1955	13.5	8-10
Loei	2.2	31	1973,1975	13.6	6-8	0.1	2	1974	12.1	7-9
Nakhon Ratchasima	6.2	31	1975	17.5	12-14	4.9	12	1955	16.9	13-15
Ubon Ratchathani	8.5	30	1975	15.6	12-14	7.6	12	1955	15.8	13-15
Central										
Nakhon Sawan	7.7	25	1999	16.8	13-15	6.1	13	1955	16.7	14-16
Suphanburi	10.0	31	1975	18.0	14-16	9.2	13	1955	17.3	15-17
Kanchanaburi	6.8	31	1975	15.6	13-15	5.5	13	1955	15.4	14-16
East										
Aranyaprathet (Sa kaew)	10.0	31	1975	18.9	14-16	7.6	16	1963	18.3	14-16
Chon Buri	12.0	29	1975	21.6	16-18	9.9	12	1955	20.0	17-19
South										
Prachuap Khiri Khan	11.4	31	1956	20.5	17-19	10.5	19	1963	20.4	17-19
Trang	18.4	1	1982	23.0	20-22	17.4	4	1957	23.8	20-22
Bangkok (Bangna)										
	11.5	31	1975	20.0	16-18	11.0	15	1976	20.6	17-19