







## Crop Weather Calendar of Mango: Rangamati Region (Districts: Rangamati, Khagrachari and Bandarban) Bangladesh

Region: Khulna	Mango																				Duration: 160-165 days				
Months	January			February				March				April				May				June				July	
Std.Week/Normal	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Rainfall (mm)	0	3	0	0	2	0	10	5	8	4	4	4	21	49	29	26	67	72	63	59	72	122	134	125	101
Max. Temp. (°C)	25.6	26.0	26.6	27.0	28.3	29.3	29.9	30.9	31.7	32.9	33.1	33.0	33.0	33.4	33.7	33.7	33.1	33.0	33.3	32.9	33.0	32.0	31.7	31.3	31.0
Min. Temp. (°C)	13.6	13.1	13.0	14.1	14.4	16.0	16.3	17.6	18.4	19.9	20.9	21.7	22.3	22.9	23.6	23.4	23.6	23.9	24.1	24.4	25.0	25.0	25.0	25.0	25.0
Mean Temp. (°C)	19.6	19.6	19.8	20.6	21.4	22.7	23.1	24.3	25.1	26.4	27.0	27.4	27.7	28.2	28.7	28.6	28.4	28.5	28.7	28.7	29.0	28.5	28.4	28.2	28.0
RHmax (%)	94.7	94.3	94.3	93.4	92.9	91.7	91.0	90.4	89.3	89.3	90.3	90.4	89.9	89.7	90.6	91.4	91.6	91.6	92.0	92.1	92.3	93.0	94.0	93.7	93.7
RHMin (%)	50.1	46.1	43.9	44.9	41.7	42.1	39.4	40.0	38.9	39.7	43.7	48.0	49.7	51.1	52.9	54.9	56.4	59.4	61.1	65.9	67.7	69.6	72.7	73.6	74.4
RHmean (%)	72.4	70.2	69.1	69.2	67.3	66.9	65.2	65.2	64.1	64.5	67.0	69.2	69.8	70.4	71.8	73.2	74.0	75.5	76.6	79.0	80.0	81.3	83.4	83.7	84.1
SShr (hrs)	50.0	53.0	56.0	53.0	57.0	56.0	56.0	59.0	58.0	56.0	52.0	50.0	55.0	54.0	55.0	54.0	50.0	50.0	44.0	42.0	39.0	35.0	30.0	29.0	28.0
WD (deg)	152	162	173	160	176	170	178	193	197	193	201	204	205	205	210	202	207	199	193	191	195	192	186	179	184
WS(Km/hr)	3.7	3.7	3.7	3.7	3.7	4.3	3.7	4.4	4.8	5.4	5.6	5.6	6.1	6.1	5.6	5.6	5.6	5.7	6.1	5.6	5.0	5.6	5.6	5.7	5.6
Stages																									
	Swelling of apical buds				Panicle elongation			Panicle growth & flowering		Pea stage				Fruit development /Fruit growing stage						Maturity/Ripening/Harvesting stage					

Congenial Weather Condition for Diseases						
<b>Anthraxnose</b>						Average temp. 20 to 30°C , free water or RH above 95%
<b>Powdery mildew</b>				Warm days and cool nights, moderate temperatures (20-30° C) and shade or low light intensities as well as high RH above 95%		
<b>Fruit rot</b>						High humidity, high soil moisture, cloudiness and low temperatures (below 24°C for few days)
<b>Malformation (fungus fusarium)</b>			High temperatures and warm moist soils			
<b>Dieback</b>	High humidity, high soil moisture, cloudiness and low temperatures (below 24°C for few days)					

<b>Congenial weather for insect-pests</b>				
<b>Mango hopper</b>	Temperature: 14.0-25.7°C		Temperature: 22.9-33.0°C	Temperature: 24.9-31.2°C
<b>Mango fruit fly</b>			Temperature: 20.8-33.2°C	
<b>Mango fruit weevil</b>	Temperature: 14.0-25.7°C	Temperature: 15.9-32.0°C	Temperature: 22.9-33.0°C	Temperature: 24.9-31.2°C
<b>Mango defoliator</b>	Temperature: 14.0-25.7°C	Temperature: 15.9-32.0°C	Temperature: 22.9-33.0°C	Temperature: 24.9-31.2°C
<b>Mango leaf cutting weevil</b>			Temperature: 20.0-33.2°C	

<b>Weather Warning</b>				
<b>Rainfall</b>			> 3 mm	> 44 mm
<b>Cloudy Weather</b>			Cloudy Weather	Cloudy Weather
<b>Relative Humidity</b>			Maximum Humidity > 94% Minimum Humidity < 50%	Maximum Humidity > 94% Minimum Humidity < 74%
<b>Hail storm</b>			Hail storm	Hail storm
<b>High wind</b>			> 20 km/hr	> 20 km/hr
<b>Temperature</b>			Max. Temp. > 33 °C and Min. Temp. < 21 °C	Max. Temp. > 33 °C and Min. Temp. < 25 °C