







## Crop Weather Calendar of Mango: Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchagarh) Bangladesh

Region: Dinajpur	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
Rainfall (mm)	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0	1.0	4.0	2.0	7.0	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0
Max. Temp. (°C)	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6	30.1	31.1	32.0	32.1	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3
Min. Temp. (°C)	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0	16.1	17.1	18.6	19.7	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6
Mean Temp. (°C)	16.4	16.5	17.2	18.1	19.0	20.2	20.9	21.8	23.1	24.1	25.3	25.9	26.7	27.3	27.5	27.2	27.3	27.9	28.3	28.5	28.9	29.2	29.1	29.0
RHmax (%)	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6	88.9	87.6	86.0	87.1	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7
RHMin (%)	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4	35.3	35.1	36.4	43.3	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4
RHmean (%)	75.0	74.4	73.2	71.2	68.6	67.9	66.5	64.5	62.1	61.4	61.2	65.2	63.8	65.4	70.2	72.4	75.0	74.7	75.7	77.4	77.5	79.4	80.8	83.1
SShr (hrs)	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0	59.0	59.0	55.0	49.0	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0
WD (deg)	238	243	227	241	225	230	225	228	230	212	192	170	171	150	142	123	118	115	119	108	117	111	118	120
WS(Km/hr)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	4.3	5.4	5.6	5.0	5.6	4.8	4.8	5.4	3.9	3.7	4.3	3.7	3.9	3.7	3.7	3.7
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>Anthraco</b> <b>nose</b>						Average temp. 20 to 30°C , free water or RH above 95%	
<b>Powdery</b> <b>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</b> <b>(fungus</b> <b>fusarium)</b>			High temperat ures 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: 11.5-25.0°C		Temperature: 22.0-33.0°C	Temperature: 25.5-32.2°C
<b>Mango fruit fly</b>			Temperature: 20.8-33.2°C	
<b>Mango fruit weevil</b>	Temperature: 11.5-25.0°C	Temperature: 15.0-28.8°C	Temperature: 21.5-33.0°C	Temperature: 25.5-32.2°C
<b>Mango defoliator</b>	Temperature: 11.5-25.0°C	Temperature: 15.0-28.8°C	Temperature: 21.5-33.0°C	Temperature: 25.5-32.2°C
<b>Mango leaf cutting weevil</b>			Temperature: 16.9-32.7°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 > 90% Minimum Humidity < 43%	Maximum Humidity > 92% Minimum Humidity < 70%
<b>Hail storm</b>			Hail storm	Hail storm
<b>High wind speed</b>			> 20 km/hr	> 20 km/hr
<b>Temperature</b>			Max. Temp. > 28 °C and Min. Temp. < 18 °C	Max. Temp. > 32 °C and Min. Temp. < 25 °C