







Crop Weather Calendar of Mango: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	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)	3	2	1	1	2	4	2	3	1	3	6	19	11	20	29	32	50	40	65	62	87	107	91	110	
Max. Temp. (°C)	22.4	23.2	23.4	24.7	25.9	26.7	27.5	28.5	29.9	30.8	31.6	31.4	32.1	32.5	32.3	32.0	31.9	32.5	32.7	32.2	32.8	32.7	32.4	32.0	
Min. Temp. (°C)	10.4	10.8	10.8	11.8	12.7	13.7	14.4	15.3	16.1	17.3	18.4	19.5	20.3	21.1	21.9	21.9	22.3	23.2	23.4	23.9	24.4	25.0	25.2	25.8	
Mean Temp. (°C)	16.4	17.0	17.1	18.3	19.3	20.2	21.0	21.9	23.0	24.0	25.0	25.4	26.2	26.8	27.1	27.0	27.1	27.8	28.1	28.0	28.6	28.8	28.8	28.9	
RHmax (%)	96.0	95.8	95.7	95.5	94.3	93.7	92.9	91.4	89.8	88.7	88.1	87.7	88.5	88.4	89.9	90.9	92.5	92.2	92.9	92.8	93.3	93.9	94.2	94.9	
RHMin (%)	57.8	56.2	54.2	51.6	48.0	47.1	45.3	42.8	39.6	40.8	42.5	48.8	49.7	50.7	56.7	59.0	62.0	62.0	62.9	65.8	66.7	69.0	70.7	73.7	
RHmean (%)	76.9	76.0	74.9	73.5	71.2	70.4	69.1	67.1	64.7	64.7	65.3	68.3	69.1	69.5	73.3	75.0	77.3	77.1	77.9	79.3	80.0	81.4	82.4	84.3	
SShr (hrs)	36.5	39.5	41.0	44.0	48.5	50.0	51.5	56.5	57.5	57.0	54.0	49.0	51.5	51.0	47.5	47.0	46.5	47.5	49.0	41.0	40.5	38.0	31.5	27.0	
WD (deg)	214	199	210	208	192	201	201	201	207	196	179	152	148	141	135	118	115	120	118	119	123	125	125	127	
WS(Km/hr)	5.7	5.7	5.6	6.2	6.6	7.5	7.2	7.7	7.8	8.2	8.7	8.7	8.3	8.4	8.3	8.6	7.8	7.7	7.9	6.8	7.4	6.9	7.4	7.1	
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							
Anthracnose						Average temp. 20 to 30°C , free water or RH above 95%	
Powdery mildew				Warm days and cool nights, moderate temperatures (20-30° C) and shade or low light intensities as well as high RH above 95%			
Fruit rot						High humidity, high soil moisture, cloudiness and low temperatures (below 24°C) for few days	
Malformation (fungus fusarium)			High temperatures and warm moist soils				
Dieback	High humidity, high soil moisture, cloudiness and low temperatures (below 24°C) for few days						

Congenial weather for insect-pests				
Mango hopper	Temperature: 10.7-23.4°C		Temperature: 20.7-32.2°C	Temperature: 25.0-32.1°C
Mango fruit fly			Temperature: 20.7-32.2°C	
Mango fruit weevil	Temperature: 10.7-23.4°C	Temperature: 12.7-30.4°C	Temperature: 20.7-32.2°C	Temperature: 25.0-32.1°C
Mango defoliator	Temperature: 10.7-23.4°C	Temperature: 12.7-30.4°C	Temperature: 20.7-32.2°C	Temperature: 25.0-32.1°C
Mango leaf cutting weevil			Temperature: 12.7-32.1°C	

Weather Warning				
Rainfall			> 3 mm	> 44 mm
Cloudy Weather			Cloudy Weather	Cloudy Weather
Relative Humidity			Maximum Humidity > 90% Minimum Humidity < 47%	Maximum Humidity > 92% Minimum Humidity < 70%
Hail storm			Hail storm	Hail storm
High wind			> 20 km/hr	> 20 km/hr
Temperature			Max. Temp. > 30 °C and Min. Temp. < 19 °C	Max. Temp. > 32 °C and Min. Temp. < 25 °C