







Crop Weather Calendar of Mango: Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

Region: Khulna	Mango																							Duration: 155-160 days			
Months	Dec.	January				February				March				April				May				June					
Std.Week/Normal	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Rainfall (mm)	1.0	3.0	1.5	0.0	3.5	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5	50.0	52.0	77.5		
Max. Temp. (°C)	25.6	25.0	25.0	25.8	26.2	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1	35.0	34.7	33.4		
Min. Temp. (°C)	12.6	12.2	12.2	12.7	12.4	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0	26.4	26.8	26.2		
Mean Temp. (°C)	19.1	18.6	18.6	19.2	19.3	20.4	21.1	22.6	23.6	24.5	25.9	26.9	28.1	28.4	29.5	29.8	30.1	30.1	30.0	30.2	30.6	30.5	30.7	30.7	29.8		
RHmax (%)	95.7	95.4	95.2	94.9	94.9	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7	93.9	94.2	95.1		
RHMin (%)	47.8	48.7	46.9	46.8	44.3	44.9	43.4	43.9	41.8	40.7	40.7	40.2	44.2	47.3	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7	62.0	64.9	70.2		
RHmean (%)	71.7	72.0	71.0	70.8	69.6	70.0	69.0	69.1	68.0	67.2	67.2	66.8	69.3	70.7	71.5	71.4	72.8	73.4	74.1	75.2	75.7	77.2	77.9	79.5	82.6		
SShr (hrs)	48.5	47.0	46.5	49.5	53.0	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0	50.0	41.5	29.5		
WD (deg)	177	175	182	198	198	190	193	209	218	222	227	233	204	203	202	196	192	186	186	183	177	180	184	178	170		
WS(Km/hr)	4.6	4.6	4.7	4.3	4.6	4.9	5.0	4.8	5.0	4.9	5.2	5.6	6.3	7.2	7.1	7.6	7.6	8.0	7.5	7.5	7.1	7.2	7.3	6.7	6.8		
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						
Anthraco nose						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 temperat ures 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: 12.4-28.5°C		Temperature: 23.9-34.6°C	Temperature: 26.0-33.8°C
Mango fruit fly			Temperature: 23.9-34.6°C	
Mango fruit weevil	Temperature: 12.4-28.5°C	Temperature: 15.4-33.1°C	Temperature: 23.9-34.6°C	Temperature: 26.0-33.8°C
Mango defoliator	Temperature: 12.4-28.5°C	Temperature: 15.4-33.1°C	Temperature: 23.9-34.6°C	Temperature: 26.0-33.8°C
Mango leaf cutting weevil			Temperature: 23.9-34.6°C	

Weather Warning				
Rainfall			> 3 mm	> 44 mm
Cloudy Weather			Cloudy Weather	Cloudy Weather
Relative Humidity			Maximum Humidity > 93% Minimum Humidity < 45%	Maximum Humidity > 93% Minimum Humidity < 65%
Hail storm			Hail storm	Hail storm
High wind			> 20 km/hr	> 20 km/hr
Temperature			Max. Temp. > 33.1 °C and Min. Temp. < 20 °C	Max. Temp. > 33.6 °C and Min. Temp. < 25 °C