







**Crop Weather Calendar of Maize: Barishal Region** (Districts: Barishal, Jhalakati, Patuakhali, Pirujpur, Barguna, Bhola) **Bangladesh**

Region: Barishal	Maize (Rabi)												Duration: 112 days			
Months	December				January				February				March			
Std. Week/Normal	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
Rainfall (mm)	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0	5.7	5.3	6.0	14.3
Max. Temp. (°C)	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7	30.7	31.7	32.7	33.0
Min. Temp. (°C)	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9	18.3	19.5	20.5	22.1
Mean Temp. (°C)	21.7	21.0	20.1	19.4	18.9	18.9	19.2	19.4	20.5	21.2	22.5	23.3	24.5	25.6	26.6	27.6
RHmax (%)	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0	96.7	97.1	96.7	96.5
RHMin (%)	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1	44.9	45.2	45.3	50.7
RHmean (%)	74.3	74.4	74.4	74.3	74.1	73.6	73.1	71.4	71.7	70.9	71.6	71.0	70.8	71.2	71.0	73.6
SShr (hrs)	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0	53.7	54.0	54.3	52.3
WD (deg)	225	223	212	212	209	211	204	216	217	211	214	211	214	226	218	210
WS(Km/hr)	3.1	3.4	3.3	3.9	4.5	4.4	4.5	4.3	5.0	4.6	4.9	4.9	5.1	5.2	5.4	6.3
																
	sowing	Germination	Vegetative Growth				Silking & Tasseling				Cob Formation		Maturity to Harvesting			
<b>Favorable Weather Conditions</b>																
Temperature	At least 10°C for germination										22-25°C		23-27°C			
Light Intensity			≤200% of normal													
Relative Humidity			High													
Soil Temperature			Above 16°C													
Normal phase wise water requirement (mm)	76		120				190				145		100			
<b>Congenial Weather Condition for Pests &amp; Diseases</b>																
Fall Army worm	A threshold temperature of 10.9°C and 559 day-degrees C is required for development. Sandy-clay or clay-sand soils are suitable for pupation and adult emergence. Emergence in sandy-clay and clay-sand soils was directly proportional to temperature and inversely proportional to humidity. Above 30°C the wings of adults tend to be deformed. Pupae require a threshold temperature of 14.6°C and 138 day-degrees C to complete their development.															
Seed Rot	A threshold temperature of 10.9°C and 559 day-degrees C is required for development. Sandy-clay or clay-sand soils are suitable for pupation.															
<b>Weather Warning</b>																
Rain	>50 mm/day				>100 mm/day				>50 mm/day							
Duration of wet spell	>25 mm for 3 days				>50 mm for 4 days				20 mm for 4 days							
Cloudy weather					Cloudy weather				Cloudy weather							
High wind	>50 km/hr				>40 km/hr				>30 km/hr							
Temperature	Minimum Temperature <10°C				Minimum Temperature <10°C				Minimum Temperature <10°C							