



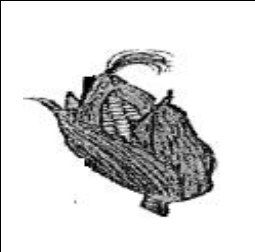



Crop Weather Calendar of Maize: Barishal Region (Districts: Barishal, Jhalakati, Patuakhali, Pirujpur, Barguna, Bhola) Bangladesh

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		

Favorable Weather Conditions					
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
				145	100

Congenial Weather Condition for Pests & Diseases					
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.				
Weather Warning					
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	