







Crop Weather Calendar of Maize: Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchaghar) Bangladesh

Region: Dinajpur	Maize (Rabi)											Duration: 112 days				
Months	November			December				January				February			Mar	
Std.Week/Normal	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9
Rainfall (mm)	0.0	0.0	0.0	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0
Max. Temp. (°C)	29.0	28.7	28.0	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6
Min. Temp. (°C)	16.9	15.6	14.0	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0
Mean Temp. (°C)	23.0	22.2	21.0	20.2	19.2	18.5	17.4	16.7	16.4	16.5	17.2	18.1	19.0	20.2	20.9	21.8
RHmax (%)	95.9	95.3	95.6	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6
RHMin (%)	51.6	48.1	47.6	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4
RHmean (%)	73.8	71.7	71.6	72.6	74.7	74.5	75.3	75.9	75.0	74.4	73.2	71.2	68.6	67.9	66.5	64.5
SShr (hrs)	52.0	54.0	53.0	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0
WD (deg)	154	164	177	183	193	200	213	225	238	243	227	241	225	230	225	228
WS(Km/hr)	3.7	3.7	3.5	2.6	3.7	3.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9
																
	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	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	