







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

Region: Dinajpur	Maize (kharif-1)											Duration: 112 days				
Months	March		April				May					June			July	
Std.Week/Normal	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Rainfall (mm)	4.0	2.0	7.0	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0
Max. Temp. (°C)	31.1	32.0	32.1	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4
Min. Temp. (°C)	17.1	18.6	19.7	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0
Mean Temp. (°C)	24.1	25.3	25.9	26.7	27.3	27.5	27.2	27.3	27.9	28.3	28.5	28.9	29.2	29.1	29.0	29.2
RHmax (%)	87.6	86.0	87.1	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4
RHMin (%)	35.1	36.4	43.3	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6
RHmean (%)	61.4	61.2	65.2	63.8	65.4	70.2	72.4	75.0	74.7	75.7	77.4	77.5	79.4	80.8	83.1	83.0
SShr (hrs)	59.0	55.0	49.0	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0
WD (deg)	212	192	170	171	150	142	123	118	115	119	108	117	111	118	120	121
WS(Km/hr)	5.4	5.6	5.0	5.6	4.8	4.8	5.4	3.9	3.7	4.3	3.7	3.9	3.7	3.7	3.7	3.7
																
	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)	75		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			