







### Crop Weather Calendar of Maize:MymensinghRegion (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur) Bangladesh

Region: Mymensingh	Maize (kharif-1)											Duration: 112 days				
Months	April		May				June				July				August	
Std.Week/Normal	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Rainfall (mm)	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103.0	98.0	85.0	109.0	99.0	89.0	100.0	72.0
Max. Temp. (°C)	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	31.0	31.1	31.3	31.3	31.1	32.0
Min. Temp. (°C)	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.1
Mean Temp. (°C)	27.5	27.3	27.3	27.8	28.2	28.2	28.5	28.8	28.7	28.7	28.5	28.6	28.7	28.7	28.6	29.1
RHmax (%)	91.1	91.3	92.4	92.6	92.7	92.7	94	94.1	94.7	95	94.7	95	94.6	94.6	94.9	94.7
RHMin (%)	61.1	62.6	64.6	66	66.4	69.4	71.9	73	75.4	76.6	77.7	77.6	77	76.6	76.4	74.6
RHmean (%)	76.1	77.0	78.5	79.3	79.6	81.1	83.0	83.6	85.1	85.8	86.2	86.3	85.8	85.6	85.7	84.7
SShr (hrs)	49.0	46.0	44.0	44.0	45.0	39.0	36.0	34.0	26.0	25.0	23.0	24.0	24.0	25.0	30.0	33.0
WD (deg)	143	128	126	134	131	126	130	142	138	143	144	156	152	152	151	153
WS(Km/hr)	7.2	7.6	7.4	6.8	7.4	7.4	6.8	6.1	7.4	6.8	7.2	7.2	6.8	7.2	6.1	6.1
																
	sowing	Germination	Vegetative Growth				Silking& Tasseling				Cob Formation				Maturity to Harvesting	

Favorable Weather Conditions					
Temperature	At least 10 <sup>o</sup> C for germination			22-25 <sup>o</sup> C	23-27 <sup>o</sup> C
Light Intensity		≤200% of normal			
Relative Humidity		High			
Soil Temperature		Above 16 <sup>o</sup> 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 <sup>o</sup> 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 <sup>o</sup> C the wings of adults tend to be deformed. Pupae require a threshold temperature of 14.6 <sup>o</sup> C and 138 day-degrees C to complete their development.				
Seed Rot	A threshold temperature of 10.9 <sup>o</sup> 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 <sup>o</sup> C	Minimum Temperature <10 <sup>o</sup> C	Minimum Temperature <10 <sup>o</sup> C		