







Crop Weather Calendar of Maize:RajshahiRegion (Districts:Rajshahi, Chapainawabganj, Naogaon and Natore) Bangladesh

Region: Rajshahi	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)	1.3	1.1	1	1	1	1	1.1	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	5.0
Max. Temp. (°C)	29.6	28.9	28.3	27.0	26.0	25.4	24.4	24.0	23.9	24.0	24.9	25.6	26.7	28.1	29.3	30.4
Min. Temp. (°C)	17.6	16.6	15.0	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	15.1
Mean Temp. (°C)	23.6	22.8	21.7	20.5	19.6	18.9	18.0	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	22.8
RHmax (%)	95.7	95.3	94.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	91.6
RHMin (%)	49.4	47.4	45.6	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	34.6
RHmean (%)	72.6	71.4	70.2	70.8	73.0	72.7	72.9	72.9	71.8	71.6	70.5	70.0	68.0	67.1	64.3	63.1
SShr (hrs)	54.0	55.0	55.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	59.0
WD (deg)	151	146	145	143	146	144	167	146	161	174	196	198	195	197	215	209
WS(Km/hr)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.4	3.9	5.0	3.9	5.0	5.0
																
	sowin g	Germi natio n	Vegetative Growth				Silking& Tasseling				Cob Formation		Maturity to Harvesting			

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