







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

Region: Rajshahi	Maize (kharif-1)											Duration: 112 days				
Months	March			April				May				June				
Std.Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Rainfall (mm)	5.0	4.0	3.0	4.0	14.0	13.0	10.0	19.0	17.0	24.0	29.0	33.0	36.0	34.0	48.0	51.0
Max. Temp. (°C)	30.4	32.1	33.1	34.6	35.0	36.1	36.7	36.4	35.9	35.4	35.3	35.1	35.0	35.3	35.0	33.9
Min. Temp. (°C)	15.1	16.4	17.6	19.4	20.6	22.1	23.0	23.4	23.9	23.7	24.3	24.6	25.0	25.4	25.9	26.0
Mean Temp. (°C)	22.8	24.3	25.4	27.0	27.8	29.1	29.9	29.9	29.9	29.6	29.8	29.9	30.0	30.4	30.5	30.0
RHmax (%)	91.6	90.3	88.7	88.3	89.1	88.9	89.0	90.1	90.7	92.1	92.7	93.3	93.1	93.7	94.6	95.4
RHMin (%)	34.6	32.7	30.4	30.4	35.9	34.3	34.6	41.4	45.1	50.0	51.9	55.6	58.3	58.9	62.6	67.9
RHmean (%)	63.1	61.5	59.6	59.4	62.5	61.6	61.8	65.8	67.9	71.1	72.3	74.5	75.7	76.3	78.6	81.7
SShr (hrs)	59.0	59.0	59.0	59.0	52.0	57.0	57.0	57.0	56.0	52.0	53.0	54.0	48.0	51.0	48.0	35.0
WD (deg)	209	220	214	208	186	185	174	167	147	136	136	135	126	133	139	129
WS(Km/hr)	5.0	5.4	5.4	5.6	5.6	6.1	5.7	7.2	7.4	7.4	7.2	7.2	7.2	7.2	6.7	6.7
																
	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							