







Weather Calendar of Maize:JashoreRegion (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jashore	Maize (Rabi)												Duration: 112 days			
Months	September				October				November				December			
Std.Week/Normal	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
Rainfall (mm)	52.5	68.0	59.0	69.5	44.5	33.0	26.5	20.0	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0
Max. Temp. (°C)	32.9	32.9	33.0	33.2	33.2	33.0	32.7	31.9	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7
Min. Temp. (°C)	26.0	26.0	26.0	25.3	25.1	24.4	23.4	21.6	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3
Mean Temp. (°C)	29.5	29.5	29.5	29.2	29.1	28.7	28.0	26.7	25.9	25.3	24.2	23.1	21.8	20.9	20.0	19.0
RHmax (%)	96.4	96.6	96.3	96.6	96.5	96.5	96.5	96.1	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5
RHMin (%)	71.5	70.8	69.7	67.7	67.0	64.4	61.5	57.1	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4
RHmean (%)	83.9	83.7	83.0	82.1	81.7	80.4	79.0	76.6	76.0	74.0	72.8	71.9	70.8	71.2	72.5	72.5
SShr (hrs)	31.5	33.0	32.5	38.5	40.0	43.5	47.0	49.0	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0
WD (deg)	180	186	187	195	195	198	187	182	153	175	177	179	178	184	183	177
WS(Km/hr)	4.1	4.1	3.8	3.7	3.1	3.0	2.9	2.5	2.5	2.3	2.4	2.3	2.4	2.3	2.4	2.5
																
	sowing	Germination	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	