







Weather Calendar of Wheat: Jashore Region (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jashore	Wheat											Duration: 119 days						
Months	November			December				January				February				March		
Std.Week/Normal	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	
Rainfall (mm)	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0	4.0	2.5	
Max. Temp. (°C)	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0	31.0	32.4	
Min. Temp. (°C)	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6	16.4	17.7	
Mean Temp. (°C)	24.2	23.1	21.8	20.9	20.0	19.0	18.3	17.7	17.6	18.0	18.2	19.3	20.5	21.8	22.8	23.7	25.0	
RHmax (%)	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7	93.2	92.5	
RHMin (%)	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3	36.5	35.4	
RHmean (%)	72.8	71.9	70.8	71.2	72.5	72.5	71.8	72.5	71.6	71.2	69.8	69.5	68.2	67.5	66.5	64.9	63.9	
SShr (hrs)	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	47.5	49.5	50.0	54.5	55.0	54.0	
WD (deg)	177	179	178	184	183	177	174	158	156	188	192	186	191	203	214	219	213	
WS(Km/hr)	2.4	2.3	2.4	2.3	2.4	2.5	2.5	3.0	3.0	3.0	3.0	3.2	3.1	3.3	3.7	3.5	3.9	
																		
	sowing			Germination				Vegetative Growth				Flowering	Grain Formation				Maturity to Harvesting	

Favorable Weather Conditions					
Minimum temperature	3 to 4.5°C				cooler nights
Optimum temperature	Around 25°C				
Maximum Cardinal temperature	30- 32°C				
Mean Daily Temperature			15 to 20°C	15 to 20°C	
Soil Moisture	High				dryness
Solar radiation					Bright sunny days
daily consumptive water use			0.17 to 0.87	0.17 to 0.87	
Normal Phase wise water requirement (mm)	47		128		77
Weather Warning					
Rainfall	>50 mm/day		>100mm/day		>100mm/day
Duration of wet spell	>50 mm for 3-4 days		>75 mm for 3-4 days		>50mm for 3-4 days
Cloudy Weather			Cloudy Weather		Cloudy Weather
Drought	20 days		20 days		20 days
High wind	>50 km/hr		>50 km/hr		>50 km/hr
Maximum Temperature	>30°C		>30°C		>30°C
Minimum Temperature	<15°C		<15°C		<15°C

Congenial Weather Condition for Pests & Diseases					
Blast	Continuous rains and average temperatures between 18-20°C during the flowering stage of the crop followed by sunny weather and humid days. Intensity increases at 30°C temperature with high relative humidity				
Leaf rust	Temperature 15-25°C, rain and high dew				
Loose smut	Temperature. 22-25°C, Relative humidity 60-85%				
Black point	Rain during ripening				
Stem borer	Maximum, minimum and average temperature ranged from 31.9-33.9°C, 22.2-26.3°C and 26.9-29.5°C, respectively. Average relative humidity of 80 per cent and rainfall				
Aphid	Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1°C and relative humidity 55%				