





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

Region: Jashore	Sugarcane																																															Duration: 427 days													
Months	October				November				December				January				February				March				April				May				June				July				August				September				October				November								
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Rainfall (mm)	44.5	33.0	26.5	20.0	9.0	8.0	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	4.5	11.5	12.0	11.5	7.0	12.5	21.5	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5	82.0	72.0	83.5	73.0	63.5	56.0	68.0	48.5	50.5	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
Max. Temp. (°C)	33.2	33.0	32.7	31.9	31.1	31.1	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	33.6	34.7	34.6	35.5	36.1	36.5	36.3	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0	32.7	32.8	32.7	33.1	33.3	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				
Min. Temp. (°C)	25.1	24.4	23.4	21.6	20.7	19.4	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	19.0	20.8	21.8	22.8	23.5	24.1	24.2	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2	26.0	26.2	26.0	26.2	26.0	26.0	26.1	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		
Mean Temp. (°C)	29.1	28.7	28.0	26.7	25.9	25.3	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	26.3	27.7	28.2	29.2	29.8	30.3	30.3	30.1	30.6	30.4	30.5	30.8	30.7	30.1	29.7	29.6	29.4	29.5	29.5	29.4	29.5	29.5	29.3	29.6	29.6	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
RHmax (%)	96.5	96.5	96.5	96.1	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	94.9	94.9	94.2	94.0	93.7	93.2	92.5	92.1	92.1	92.4	92.4	92.9	92.4	92.3	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0	96.1	96.1	96.1	96.0	96.2	96.5	96.2	96.2	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		
RHMin (%)	67.0	64.4	61.5	57.1	56.2	52.0	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	34.9	36.7	42.0	41.5	41.6	44.3	46.9	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5	74.4	73.4	74.6	73.4	72.6	73.0	73.0	71.7	71.0	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
RHmean (%)	81.7	80.4	79.0	76.6	76.0	74.0	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	63.5	64.4	67.2	66.9	67.2	68.3	69.6	71.3	72.2	74.0	76.1	77.0	78.1	81.1	83.7	84.7	85.2	84.7	85.3	84.7	84.3	84.6	84.7	83.9	83.6	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
SShr (hrs)	40.0	43.5	47.0	49.0	45.5	48.5	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	55.0	53.0	51.5	55.5	54.5	54.5	55.5	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0	24.5	29.0	25.0	29.5	32.5	30.0	28.0	30.5	32.5	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
WD (deg)	195	198	187	182	153	175	177	179	178	184	183	177	174	158	156	188	192	186	191	203	214	219	213	230	212	208	209	204	193	188	186	186	180	181	180	183	174	175	178	186	178	180	177	172	175	175	185	171	180	186	187	195	195	198	187	182	153	175	177	179	178
WS(Km/hr)	3.1	3.0	2.9	2.5	2.5	2.3	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	4.1	4.4	4.7	5.1	5.2	5.7	5.6	5.6	5.8	5.2	5.2	5.0	4.6	4.9	4.6	4.6	4.4	4.3	4.4	4.7	4.3	4.4	4.3	3.9	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	
Phenologicalshases																																																													
	Germination				Tillering												Grand growth												Maturity to Harvesting																																
Favorable Weather Conditions																																																													
Temperature	25° C to 35°C																																12° C to 14°C																												
Sunshine(hr)	7 -9 hrs																																																												
Relative Humidity	80-85%																																45-65%																												
Soil Temperature	16° C to 32°C																																																												
Rainfall (mm)	1250-1650 mm																																																												
Normal phase wise water requirement (mm)	300mm				550mm												1000mm												650mm																																
Congenial Weather Condition for Pests & Diseases																																																													
Red rot																																	Temperature 29.4° C to 31°C and high Relative umidity (90%)																												
Smut	Temperature 25-30 °C and Relative Humidity above 70-80%																																																												
Wilt	High day temperature (30-35° C) and Low Relative Humidity 50-60%																																																												
Termite	Temperature 24° C- 35° C, sandy-sandyloam soil																																																												
Top Shoot Borer	Temperature-below 37.8°C, Relative Humidity 60-80%,Sunshine-9.1																																																												
Stem borer	Temperature 30° to 35 °C and Relative Humidity 46 to 76 %																																																												
Weather Warning																																																													
Rain	>30mm/day																>120mm/day																																												
Duration of wet spell	>20mm for 3days																>64 mm for 7days															>40 mm for 5days																													
soil moisture	50% depletion require irrigation																																75% depletion require irrigation																												
Drought	15-20days																																20-30 days																												
Cloudy Weather	Cloudy Weather																																Cloudy Weather																												
High wind	30-40KM/HR																																30-40KM/HR																												
Hail Storm	Hail Storm																Hail Storm																																												
Temperature	Temperature above 37° C																																																												