

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

Region: Rajshahi	Sugarcane																																																Duration: 427 days															
Months	Oct				November			December				January				February				March				April				May				June				July				August				September				October				November				Dec								
Std.Week/Normal	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	49	50			
Rainfall (mm)	23.0	12.0	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	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	78.0	72.0	66.0	71.0	75.0	72.0	52.0	57.0	64.0	53.0	57.0	54.0	59.0	52.0	83.0	44.0	35.0	23.0	12.0	7.0	5.0	1.0	0.0	2.0	1.0	3.0			
Max. Temp. (°C)	32.7	32.3	31.7	31.0	30.4	30.4	29.6	28.9	28.3	27.0	26.0	24.0	23.9	24.0	24.9	25.6	26.7	28.1	29.3	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	33.1	33.0	32.7	32.9	32.3	32.6	32.9	32.9	32.7	33.0	33.0	32.9	33.0	33.0	32.9	32.7	32.3	31.7	31.0	30.4	29.6	28.9	28.3	27.0	26.0				
Min. Temp. (°C)	25.0	24.1	23.1	21.4	20.7	19.3	17.6	16.6	15.0	14.0	13.1	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	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	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.0	26.1	26.0	26.0	26.1	26.0	26.1	26.0	26.0	25.3	25.0	24.1	23.1	21.4	20.7	19.3	17.6	16.6			
Mean Temp. (°C)	28.9	28.2	27.4	26.2	25.6	24.9	23.6	22.8	21.7	20.5	19.6	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	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	29.6	29.5	29.4	29.5	29.2	29.3	29.5	29.5	29.4	29.6	29.6	29.5	29.5	29.5	29.1	28.9	28.2	27.4	26.2	25.6	24.9	23.6	22.8	21.7	20.5				
RHmax (%)	96.3	96.4	96.1	96.0	95.9	96.1	95.7	95.3	94.7	94.7	95.9	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	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	96.1	96.6	96.6	96.9	97.0	96.9	96.7	96.6	96.7	96.1	96.4	96.4	96.3	96.7	96.3	96.4	96.1	96.0	95.9	96.1	95.7								
RHMin (%)	67.4	64.3	60.9	57.4	55.9	51.9	49.4	47.4	45.6	46.9	50.1	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	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	71.1	73.4	73.7	74.3	75.3	73.9	72.6	72.6	74.1	72.0	70.9	71.3	71.0	69.6	68.9	67.4	64.3	60.9	57.4	55.9	51.9	49.4	47.4	45.6	46.9	50.1	50.1	48.4	47.9
RHmean (%)	81.9	80.4	78.5	76.7	75.9	74.0	72.6	71.4	70.2	70.8	73.0	72.9	71.8	71.6	70.5	70.0	68.0	67.1	64.3	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	83.6	85.0	85.2	85.6	86.2	85.4	84.7	84.6	85.4	84.1	83.7	83.8	83.9	83.0	82.8	81.9	80.4	78.5	76.7	75.9	74.0	72.6	71.4	70.2	70.8				
SShr (hrs)	46.0	47.0	53.0	56.0	55.0	57.0	54.0	55.0	55.0	51.0	47.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	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	31.0	31.0	30.0	30.0	30.0	34.0	34.0	36.0	33.0	34.0	40.0	35.0	38.0	40.0	43.0	46.0	47.0	53.0	56.0	55.0	57.0	54.0	55.0	51.0	47.0				
WD (deg)	145	154	146	146	122	137	151	146	145	143	146	146	161	174	196	198	195	197	215	209	220	214	208	186	185	174	167	147	136	136	135	126	133	139	129	127	132	141	134	138	140	131	131	141	143	133	142	143	143	153	145	154	146	146	122	137	151	146	145	143	146			
WS(Km/hr)	4.8	3.9	3.9	4.3	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	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	6.8	6.8	5.7	6.1	6.3	6.7	6.3	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.4	4.8	3.9	3.9	4.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7			



Phenologicalshases	Germination	Tillering	Grand growth	Maturity to Harvesting
Favorable Weather Conditions	Temperature 25° C to 35° C		12° C to 14° C	
Temperature	7 -9 hrs		7 -9 hrs	
Sunshine(hr)	80-85%		45-65%	
Relative Humidity	16° C to 32° C			
Soil Temperature	1250-1650 mm			
Rainfall (mm)	300mm	550mm	1000mm	650mm
Normal phase wise water requirement (mm)				

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	25-30days
Cloudy Weather		Cloudy Weather	Cloudy Weather
High wind		30-40KM/HR	30-40KM/HR
Hail Storm	Hail Storm	Hail Storm	Hail Storm
Temperature	Temperature above 37° C		