









Crop Weather Calendar of Rabi Chili:Faridpur Region (Districts: Faridpur, Madaripur, Sariatpur, Gopalganj, Rajbari) Bangladesh

Faridpur Region	Rabi Chili								Life span: 100-120 days								
Months	January				February				March				April				
Std.Week/Normal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Rainfall (mm)	0.5	0.5	0.5	1.5	3.5	5.5	5.0	7.5	5.0	6.5	7.0	12.5	18.5	21.0	20.5	27.5	41.5
Max. Temp. (°C)	24.3	24.4	24.8	25.4	26.5	27.4	28.5	29.5	30.7	31.8	32.9	33.8	33.4	34.2	34.8	34.5	34.2
Min. Temp. (°C)	12.2	12.0	12.1	12.1	13.1	13.9	15.5	16.0	17.3	18.5	19.5	21.2	21.8	23.0	23.5	24.0	24.0
Mean Temp. (°C)	18.3	18.2	18.4	18.7	19.8	20.7	22.0	22.7	24.0	25.1	26.2	27.5	27.6	28.6	29.1	29.2	29.1
RHmax (%)	95.7	95.4	95.5	95.2	94.7	94.7	64.1	93.8	93.4	92.7	92.4	92.9	93.2	93.0	92.9	92.6	93.3
RHMin (%)	52.2	50.9	48.9	46.3	46.2	43.3	43.3	41.5	39.5	38.8	38.4	42.1	46.7	49.0	50.2	53.8	56.9
RHmean (%)	73.9	73.1	72.2	70.7	70.4	69.0	68.7	67.7	66.4	65.7	65.4	67.5	69.9	71.0	71.5	73.2	75.1
SShr (hrs)	41.5	39.5	44.5	50.0	49.0	52.0	52.0	53.0	54.5	53.0	54.5	51.5	50.5	52.5	53.0	54.5	52.5
WD (deg)	191	191	210	204	205	203	214	217	222	230	230	216	200	199	197	187	187
WS(Km/hr)	3.4	3.6	3.3	3.4	3.4	3.1	4.0	4.3	4.5	4.5	4.5	5.5	5.6	6.1	6.1	6.4	6.5
Stage																	
Stage	Spouting & Seedling				vegetative growth				Flowering & fruiting				Harvesting				
Favorable Environment																	
Temperature	The ideal average monthly temperatures range between 21°C and 30 °C, with an average of 18 °C; Germination and growth decreases at lower temperature (10°C); Fruit set is adversely affected at temperatures above 35 °C as well as wilting of young parts, and slow growth occurred, especially with low air humidity or dry winds.																
Relative Humidity	Sensitive to excess moisture and the high relative humidity;The optimum relative humidity varies from 50% to 70%.																
Soil Temperature	Chili seeds can germinate and grow normally at soil temperatures of 15°C to 25°C, with the optimum around 20°C. Chili can tolerate moderately cold soil temperatures of 13°C to 15°C.																
Sunshine Hour	At least 4 to 6 hours direct sunlight per day																
Favorable environmental conditions for insects and diseases																	
Mites	Maximum temp.: 33 to 35°C; Raise a generation in 1 week under optimal conditions (25°C and high relative humidity); Minimum Temp.: 12 to 14°C;The prevailing high temperature and low relative humidity in absence of rainfall favored the population development of mites to reach the peak abundance.																
Aphids	Moderate to high temperature and relative humidity favors population buildup of aphids																
Thrips	Grow minimum temperature 9.7°C and maximum temperatures, 33.0°C; Population remains more abundant during prolonged dry conditions than in moist rainy periods; Heavy rainfall reduces population																
White fly	Population increases at high temperatures; white fly population is low at humidity ≤45% and ≥85% and abundant at 70–85% RH																
Fruit Borer	The upper development threshold temperature for all stages is 37 °C, and 40 °C is lethal; The optimum temperatures for the development of eggs, larvae, and pupae are around 24–27 °C; RH: 85% to ≤35%.																
Leaf curl	Vector (White fly) population and virus transmission increased at 35 °C (max. temp.); Disease development correlated with relative humidity as the humidity decreased the disease incident decreased; Disease development favored by certain rainfall																
Die back/Anthracnose	Max. Temp.: 28 °C to 32°C for disease development; Mini. Temp.: 22°C to 25°C for disease development; Initial infection required 95% or above relative humidity for 24 hrs; Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development.																
Weather Warning																	
Rainfall	Early rainfall (10 to 15 mm per day)																
Cloudy weather	Cloudy weather																
Drought	Short to moderate drought (7 to 10 days)																
Duration of staying wet	2 to 3 days																
Hailstorm	Hailstorms with early rainfall																
Windspeed	≤20 Km/hr																

Crop Weather Calendar of Kharif Chili: Faridpur Region (Districts: Faridpur, Madaripur, Sariatpur, Gopalganj, Rajbari) Bangladesh

Region: Faridpur	Kharif Chili										Life span: 160-180																	
Months	April				May				June				July				August				September							
Std.Week/Normal	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		
Rainfall (mm)	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	1.05.3	129.7	126.3	95.0	77.5	79.5	84.5	84.0	65.5	76.5	74.5	50.0	56.5	59.5	61.5	68.0		
Max. Temp. (°C)	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.9	32.0	31.7	32.0	32.0	32.1	32.0	32.1	32.2	32.2	32.1	32.4	32.2		
Min. Temp. (°C)	23.7	24.0	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.0	26.1	26.2	26.0	26.0	26.0	25.8		
Mean Temp. (°C)	28.5	28.8	29.1	29.0	29.0	29.3	29.3	29.5	29.6	29.4	28.9	28.6	28.5	29.0	29.0	28.8	29.0	29.0	29.1	29.0	29.1	29.2	29.1	29.0	29.2	29.0		
RHmax (%)	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	95.5	95.3	95.3	95.3	95.0	95.0	95.0	95.0	94.8	95.1	95.2	95.1	95.7		
RHMin (%)	58.0	59.0	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	76.8	76.3	77.0	75.7	75.3	74.7	75.1	74.9	73.3	74.0	72.9	72.0	71.0		
RHmean (%)	77.3	78.1	78.9	79.3	80.1	81.1	81.8	82.9	83.7	84.8	86.8	88.1	89.0	86.1	85.8	86.2	85.5	33.0	30.0	30.5	31.0	35.0	32.5	34.0	34.0	35.0		
SShr (hrs)	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	23.0	28.0	24.5	32.0	177	179	183	187	185	192	189	198	210		
WD (deg)	2000	198	197	191	190	192	189	186	187	185	177	179	175	183	180	185	180	5.6	4.6	4.9	5.1	4.7	4.6	4.6	4.0	4.2		
WS(Km/hr)	6.9	7.0	7.5	7.2	7.0	7.3	7.1	7.0	7.0	6.3	6.5	6.8	6.5	5.5	4.7	5.6	5.6	33.0	30.0	30.5	31.0	35.0	32.5	34.0	34.0	35.0		
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