





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

Faridpur Region	Rabi:Onion																			Life span 100-120 days				
Months	November				December				January				February							March				
Std.Week	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13		
Rainfall (mm)	11.5	11.0	8.0	3.0	4.5	0.5	3.5	0.5	2.0	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		
Max. Temp. (°C)	30.9	30.4	29.7	29.2	28.0	27.5	26.5	25.5	25.1	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		
Min. Temp. (°C)	22.0	20.7	19.1	18.2	16.4	15.2	14.7	13.7	12.9	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		
Mean Temp. (°C)	26.4	25.5	24.4	23.7	22.2	21.3	20.6	19.6	19.0	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		
RHmax (%)	95.2	95.4	95.5	95.8	95.6	95.6	96.1	96.2	96.0	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		
RHMin (%)	57.6	55.5	53.2	51.2	49.9	50.5	51.4	51.3	51.0	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		
RHmean (%)	76.4	75.4	74.3	73.5	72.7	73.0	73.7	73.7	73.5	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		
SShr (hrs)	48.5	51.0	49.5	50.5	51.0	47.0	44.5	40.5	43.0	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		
WD (deg)	202	189	202	201	199	201	197	196	183	191	191	210	204	205	203	214	217	222	230	230	216	200		
WS(Km/hr)	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.1	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		
																								
Stages	Germination and Seedling Planting				Vegetative Growth				Bulb formation							Harvesting								
Favorable environment																								
Temperature	10°C to 30°C				The optimum temperature for vegetative phase is 13-24°C							The optimum temperature for bulb development is 15-25°C							Dry and clear weather is more suitable					
Relative Humidity	Requires about 70% relative humidity for good growth																							
Soil Temperature	A wide range of soil temperatures from 20°C to 35 °C, with the optimum at 24°C																							
Sunshine Hour	9 to 10 hours										10 to 12 hours													
Favorable environmental conditions for insects and diseases																								
Thrips	Hot and dry weather increases Trips population; Heavy rainfall reduces population; RH:47.6% to 78.62%																							
Common cut worm	Favored by low temperature and high relative humidity; The upper development threshold temperature for all stages is 37 °C; RH: 50% to 90%																							
Purple blotch	Warm temperature (21°C to 30 °C); High humidity (80% to 90%); Moderate to heavy frequent rainfall and heavy dew during growing stage causes prolonged leaf wetness (12 hours or more) favored disease development.																							
Basal bulb rot	Atmospheric temperature: 25°C to 32°C; Soil temperature: 25°C to 28 °C along with high soil moisture; relative humidity above 70% and Dry atmospheric conditions																							
Weather warning																								
Rainfall (mm)	Heavy-rainfall events in short spells result in surface water stagnation (5 to 10 mm per day)																							
Cloudy weather											Cloudy weather													
Drought											7 to 10 days													
Duration of stay wet (day)	3 to 5 days										2 to 3 days													
Hailstorms	Hailstorms with seasonal rainfall																							
Wind speed (Km/hr.)											≥ 16 km/hr													
Temperature (°C)											Above 35°C													