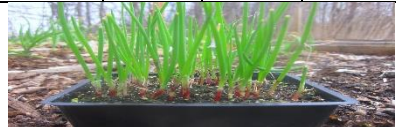





Crop Weather Calendar of Rabi:Onion,Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Bogra Region	Rabi:Onion Life span 100-120 days																	
Months	August				September					October				November				
Std.Week	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Rainfall (mm)	63.0	61.0	72.0	67.0	56.0	60.0	60.0	76.0	74.0	51.0	42.0	25.0	18.0	5.0	5.0	0.0	0.0	3.0
Max. Temp. (°C)	32.3	32.6	32.1	32.3	32.6	32.3	32.0	32.1	32.0	32.1	32.3	32.0	31.6	31.0	30.7	30.1	29.7	28.9
Min. Temp. (°C)	26.3	26.9	26.3	26.4	26.1	26.0	26.0	26.0	25.1	25.0	24.0	23.4	21.7	21.0	19.9	18.3	17.3	15.7
Mean Temp. (°C)	29.3	29.8	29.2	29.4	29.4	29.2	29.0	29.1	28.6	28.6	28.2	27.7	26.7	26.0	25.3	24.2	23.5	22.3
RHmax (%)	95.1	95.3	95.6	95.9	95.7	95.9	96.3	96.1	96.4	96.0	96.0	95.7	95.1	94.3	94.6	94.1	93.9	93.9
RHMin (%)	72.0	71.9	73.3	72.7	71.7	72.0	72.3	70.7	71.0	68.7	66.0	62.1	57.9	55.6	52.4	49.9	48.3	47.0
RHmean (%)	83.6	83.6	84.5	84.3	83.7	84.0	84.3	83.4	83.7	82.4	81.0	78.9	76.5	75.0	73.5	72.0	71.1	70.5
SShr (hrs)	35.0	37.0	36.0	31.0	35.0	35.0	35.0	37.0	37.0	44.0	48.0	54.0	57.0	52.0	55.0	55.0	56	56
WD (deg)	137	136	141	147	142	147	152	160	174	170	184	199	198	186	200	202	205	217
WS(Km/hr)	6.3	5.7	6.1	5.6	5.6	5.6	5.6	5.6	5.4	5.0	5.0	5.0	4.4	4.4	3.7	3.7	3.7	3.7
																		
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																	