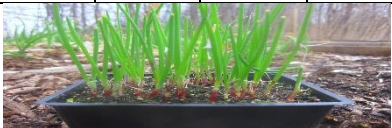





Crop Weather Calendar of Rabi Onion: Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, Magura, Kustia) Bangladesh

Region: Jessore	Rabi Onion																	
	Life cycle of crop, 140-150																	
Months	February				March					April				May				
Std.Week	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Rainfall (mm)	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
Max. Temp. (°C)	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
Min. Temp. (°C)	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
Mean Temp. (°C)	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
RHmax (%)	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
RHMin (%)	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
RHmean (%)	69.5	68.2	67.5	66.5	64.9	63.9	63.9	64.4	67.2	66.9	67.2	68.3	69.6	71.3	72.2	74.0	76.1	77.0
SShr (hrs)	48.5	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
WD (deg)	186	191	203	214	219	213	230	212	208	209	204	193	188	186	186	180	181	180
WS(Km/hr)	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
																		
Stages	Germination and Seedling Planting				Vegetative Growth					Flowering & Fruiting				Harvesting				
Favorable environment	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				
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																	