





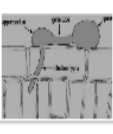











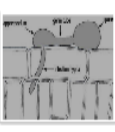






Crop disease weather calendar of the Rabi season Onion (Basal bulb rot disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Cumilla Region		Rabi season Onion: Basal bulb rot disease										Life span: 100-110 days						
Weather warning	Months	February					March					April			May			
	Max. Temp. (°C)	Atmospheric temperature: 32°C; Soil temperature: 28 °C along with high soil moisture																
	Min. Temp. (°C)	Atmospheric temperature: 25 °C; Soil temperature: 25 °C along with high soil moisture																
	RH Max (%)	Above 70%																
	RH Min (%)	50%																
	Rainfall (mm)	Dry atmospheric conditions																
Weekly normal weather	Std.Week/Normal	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	Rainfall (mm)	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	27.0	25.5	23.0	33.0	42.0	54.5	63.5	66.0	71.0
	Max. Temp. (°C)	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	32.5	32.5	33.0	33.2	33.1	32.9	33.2	33.2	32.9
	Min. Temp. (°C)	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	22.0	23.1	23.5	23.7	23.5	23.7	24.3	24.7	25.2
	RHmax (%)	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	94.0	94.1	93.8	93.9	94.1	94.2	94.0	94.5	94.3
	RHMin (%)	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	55.9	58.7	59.6	60.9	61.7	63.0	63.5	64.8	66.7
	SShr (hrs)	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	48.5	51.0	52.0	52.5	51.0	47.5	47.5	46.5	41.0
Stages																		
	Germination and Seedling Planting		Vegetative Growth			Bulb formation					Harvesting							
Disease Life cycle																		
	Spore landing		Spore germination		Penetration		Disease development		Spore landing on host surface to			Disease development process continued over the crop growing period						
																		

**Crop disease weather calendar of the Kharif season Onion (Basal bulb rot disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh**

Cumilla Region		Kharif season Onion: Basal bulb rot disease										Life span: 100-110 days						
Weather warning	Months	July					August					September					October	
	Max. Temp. (°C)	Atmospheric temperature: 32°C; Soil temperature: 28 °C along with high soil moisture																
	Min. Temp. (°C)	Atmospheric temperature: 25 °C; Soil temperature: 25 °C along with high soil moisture																
	RH Max (%)	Above 70%																
	RH Min (%)	50%																
	Rainfall (mm)	Dry atmospheric conditions																
Weekly normal weather	Std.Week/Normal	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
	Rainfall (mm)	96.0	88.0	107.0	95.0	84.0	66.5	82.5	73.0	66.0	53.0	66.5	68.0	53.0	51.0	46.5	30.5	16.0
	Max. Temp. (°C)	31.2	31.5	31.3	31.5	32.0	32.0	31.9	32.0	32.0	31.8	32.0	32.0	32.0	32.3	31.9	31.8	31.2
	Min. Temp. (°C)	26.0	26.0	25.7	26.0	25.9	26.0	26.0	26.0	25.9	25.7	25.6	25.6	25.6	25.4	24.7	24.3	22.8
	RHmax (%)	95.4	95.0	95.5	95.3	94.9	94.8	94.9	95.3	95.0	95.2	95.5	95.4	95.6	95.6	95.7	95.5	95.2
	RHMin (%)	76.8	75.9	76.6	75.2	74.2	73.9	74.8	74.0	73.4	73.5	73.1	72.2	71.1	70.2	68.1	65.8	61.9
SShr (hrs)	23.5	30.0	26.5	31.0	30.0	31.5	32.0	30.5	34.5	32.0	33.0	33.5	35.0	39.0	43.0	44.5	50.5	
Stages																		
	Germination and Seedling Planting		Vegetative Growth			Bulb formation				Harvesting								
Disease Life cycle																		
	Spore landing		Spore germination		Penetration	Disease development	Spore landing on host surface to Disease development process continued over the crop growing period											