




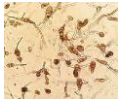
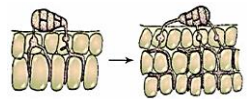







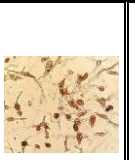
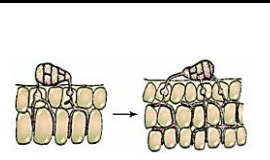




Crop Weather Calendar of Rabi Onion (Purple blotch disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Cumilla Region		Rabi season Onion: Purple blotch disease											Life span: 100-110 days					
Weather warning	Months	February					March					April			May			
	Max. Temp. (°C)	Warm temperature, 30 °C																
	Min. Temp. (°C)	21 °C																
	RH Max (%)	Humidity 90% or above (wet and humid condition)																
	RH Min (%)	80%																
	Rainfall (mm)	Moderate to heavy frequent rainfall and heavy dew during growing stage causes prolonged leaf wetness (12 hours or more) and forward disease development.																
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 association with host		Spore germination	Germ tube formation & Penetration		Disease development		After occurrence of disease the disease cycle continued up to bulb formation stage										

Crop disease weather calendar of the Kharif season Onion (Purple blotch disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Barria) Bangladesh

Cumilla Region		Kharif season Onion: Purple blotch disease											Life span: 100-110 days								
Weather warning	Months	July					August					September					October				
	Max. Temp. (°C)	Warm temperature, 30 °C																			
	Min. Temp. (°C)	21 °C																			
	RH Max (%)	High humidity 90% or above (wet and humid condition)																			
	RH Min (%)	80%																			
	Rainfall (mm)	Moderate to heavy frequent rainfall and heavy dew during growing stage																			
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 association with host		Spore germination		Germ tube formation & Penetration			Disease development		After occurrence of disease the disease cycle continued up to bulb formation stage											