



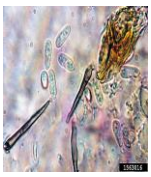

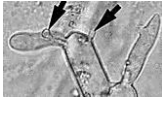







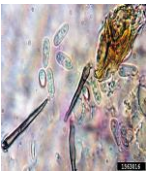

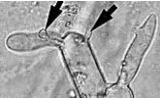






Crop Disease Weather Calendar of Robi Sweet Gourd (Anthracnose disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Barua) Bangladesh

Region Cumilla		Robi season Sweet Gourd: Anthracnose disease													Duration: 130-150 days					
Weather warning	Months	October			November						December				January		February			
	Max. Temp. (°C)	31 °C for disease development																		
	Min. Temp. (°C)	21 °C for disease development:																		
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																		
	RH Min (%)	65%																		
	Rainfall (mm)	Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development																		
Weekly normal weather	Std. Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6		
	Rainfall (mm)	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0		
	Max. Temp. (°C)	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3		
	Min. Temp. (°C)	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5		
	RH max (%)	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4		
	RH Min (%)	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2		
	SS hr (hrs)	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0		
Growth Stages																				
	Germination & Seedling				vegetative growth						Flowering & fruiting				Harvesting					
Disease Life cycle																				
	Spore landing				Spore germination		penetration		Disease development		After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage									

Crop Disease Weather Calendar of Kharif Sweet Gourd (Anthracnose disease): Cumilla Region (Districts: Cumilla, Chandpur, B.Barua) Bangladesh

Region: Cumilla		Kharif season Sweet gourd: Anthracnose disease																Duration:100-120 days		
Weather warning	Months	February					March					April					May			
	Max. Temp. (°C)	31 °C for disease development																		
	Min. Temp. (°C)	21 °C for disease development:																		
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																		
	RH Min (%)	65%																		
	Rainfall (mm)	Frequent rainy and warm weather alone with prolonged leaf wetness favored 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		
	RH max (%)	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		
	RH Min (%)	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		
	SS hr (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		
Stage																				
	Germination & Seedling	vegetative growth					Flowering & fruiting					Harvesting								
Disease Life cycle																				
	Spore landing	Spore germination	penetration	Disease development	After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage															