




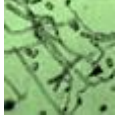








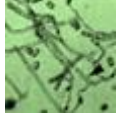





Crop Disease Weather Calendar *Rabi* season Sweet Gourd (Powdery mildew disease): Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola), Bangladesh

Region: Barisal		<i>Rabi</i> season Sweet Gourd: Powdery mildew disease																	Duration: 120-150 days			
Weather warning	Months	October		November					December				January				February					
	Max. Temp. (°C)	For infection: 32 °C and for disease development: 27 °C (warm, dry conditions)																				
	Min. Temp. (°C)	For infection: 10 °C and for disease development: 20 °C																				
	RH Max (%)	90% (Two hour or more hours of high humidity or dew on host)																				
	RH Min (%)	50%																				
	Rainfall (mm)	Lack of rainfall also favors the development of the disease																				
Weekly normal weather	Std. Week/Normal	42	43	44			45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
	Rainfall (mm)	41.0	25.0	19.3			25.3	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0
	Max. Temp. (°C)	32.0	31.7	31.0			30.5	29.9	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7
	Min. Temp. (°C)	24.3	22.9	22.1			21.0	19.6	28.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9
	RH max (%)	97.8	97.8	97.8			97.7	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0
	RH Min (%)	68.0	63.7	63.2			60.7	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1
	SS hr (hrs)	44.7	48.7	47.0			47.3	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0
Growth Stage																						
Disease Life cycle																						
Disease Life cycle				Spore deposition	Spore germination	Germ tube penetration	Disease development		Disease cycle continued up to fruiting stage													

Crop Disease Weather Calendar *Kharif* season Sweet Gourd (Powdery mildew disease): Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola), Bangladesh

Region:Barisal		Kharif season Sweet Gourd: Powdery mildew disease																	Duration:120-150 days					
Weather warning	Months	March					April				May				June				July					
	Max. Temp. (°C)	For infection: 32 °C and for disease development: 27 °C (warm, dry conditions)																						
	Min. Temp. (°C)	For infection: 10 °C and for disease development: 20 °C																						
	RH Max (%)	90% (Two hour or more hours of high humidity or dew on host)																						
	RH Min (%)	50%																						
	Rainfall (mm)	Lack of rainfall also favors the development of the disease																						
Weekly normal weather	Std. Week/Normal	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
	Rainfall (mm)	5.3	6.0	14.3	18.0	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	105.3	129.7	126.3	129.0	91.7	111.7	115.0		
	Max. Temp. (°C)	31.7	32.7	33.0	32.9	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1	30.8	31.0		
	Min. Temp. (°C)	19.5	20.5	22.1	22.8	23.7	24.0	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	25.9		
	RH max (%)	97.1	96.7	96.5	96.5	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4	97.4	97.6		
	RH Min (%)	45.2	45.3	50.7	54.4	58.0	59.30	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	79.4	81.0	80.0		
	SS hr (hrs)	54.0	54.3	52.3	50.7	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	30.0	21.3	20.3	20.3	23.3	21.0	25.3		
Growth Stage																								
	Germination & Seedling					vegetative growth				Flowering & fruiting				Harvesting										
Disease Life cycle																								
	Spore deposition		Spore germination	Germ tube penetration		Disease development				Disease cycle continued up to fruiting stage														