



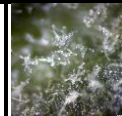

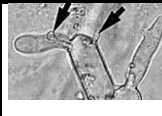







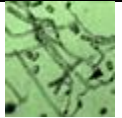






Crop Disease Weather Calendar of Rabi Sweet gourd (Powdery mildew disease): Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore		Rabi season Sweet Gourd: Powdery mildew disease																	Duration:140-150 days					
Weather warning	Months	November					December					January				February			March					
	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	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
	Rainfall (mm)	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0	4.0	2.5	4.5	11.5	12.0	
	Max. Temp. (°C)	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0	31.0	32.4	33.6	34.7	34.6	
	Min. Temp. (°C)	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6	16.4	17.7	19.0	20.8	21.8	
	RH max (%)	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7	93.2	92.5	92.1	92.1	92.4	
	RH Min (%)	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3	36.5	35.4	34.9	36.7	42.0	
	SS hr (hrs)	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	48.5	49.5	50.0	54.5	55.0	54.0	55.0	53.0	51.5	
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																		

Crop Disease Weather Calendar of Kharif Sweet gourd (Powdery mildew disease): Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore		Kharif season Sweet Gourd: Powdery mildew disease																Duration:140-150 days								
Weather	Months	April					May					June					July					August				
	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	14	15	16		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
	Rainfall (mm)	11.5	7.0	12.5		21.5	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5	82.0	72.0	83.5	73.0	63.5	56.0	68.0	48.5	50.5		
	Max. Temp. (°C)	35.5	36.1	36.5		36.3	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0	32.7	32.9	32.7	32.7	33.0	32.8	32.7	33.1	33.3		
	Min. Temp. (°C)	22.8	23.5	24.1		24.2	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2	26.0	26.1	26.2	26.2	26.0	26.2	26.0	26.1	26.0		
	RH max (%)	92.4	92.9	92.4		92.3	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0	96.1	96.1	96.1	96.1	96.0	96.2	96.5	96.2	96.2		
	RH Min (%)	41.5	41.6	44.3		46.9	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5	74.4	73.4	74.6	73.4	72.6	73.0	73.0	71.7	71.0		
	SS hr (hrs)	55.5	54.5	54.5		55.5	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0	24.5	29.0	25.0	29.5	32.5	30.0	28.0	30.5	32.5		
	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																	