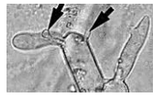
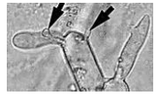
Crop Disease Weather Calendar of *Rabi* season Sweet Gourd (Powdery mildew disease): Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur), Bangladesh

Reg.: Mymensingh		*Rabi* season Sweet Gourd: Powdery mildew disease													Duration:130-150 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	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
	Rainfall (mm)	71.0	52.0	45.0	15.0	7.0	5.0	5.0	0.0	4.0	1.0	3.0	0.0	2.0	0.0	3.0	1.0	0.0	2.0	1.0	5.0	7.0
	Max. Temp. (°C)	32.0	31.7	31.6	31.1	30.9	30.3	30.0	28.9	28.3	27.6	26.3	25.4	25.0	24.4	24.0	24.0	25.1	25.9	26.6	27.4	28.1
	Min. Temp. (°C)	25.0	24.3	23.4	21.7	20.9	19.7	18.3	17.0	15.4	15.0	14.0	13.3	12.4	12.0	11.6	11.9	12.0	13.0	13.7	15.0	15.9
	RH max (%)	95.6	95.3	95.3	95.4	95.0	95.0	94.6	95.0	95.1	95.3	95.6	95.6	95.3	95.1	94.4	94.4	93.4	92.6	92.1	91.4	90.6
	RH Min (%)	72.6	70.3	66.7	62.7	61.0	58.4	55.9	53.0	51.6	52.3	54.1	53.6	53.7	53.6	53.1	51.4	47.0	47.9	45.3	45.0	45.1
	SS hr (hrs)	40.0	41.0	47.0	53.0	51.0	53.0	52.0	53.0	50.0	49.0	43.0	40.0	42.0	41.0	39.0	41.0	45.0	44.0	48.0	50.0	50.0
Growth Stages																						
		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* season Sweet Gourd (Powdery mildew disease): Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur), Bangladesh

Reg.: Mymensingh		*Kharif* season Sweet Gourd: Powdery mildew disease														Duration:120-150 days							
Weather warning	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	
	Rainfall (mm)	20.0	30.0	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103.0	98.0	85.0	109.0	99.0	89.0	100.0	72.0	74.0	67.0	81.0	
	Max. Temp. (°C)	32.1	32.7	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	31.0	31.1	31.3	31.3	31.1	32.0	32.0	32.0	32.0	
	Min. Temp. (°C)	21.9	22.4	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.3	26.3	26.0	
	RH max (%)	89.9	90.9	91.1	91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0	94.7	95.0	94.6	94.6	94.9	94.7	93.9	94.0	94.9	
	RH Min (%)	55.0	56.6	61.1	62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6	77.7	77.6	77.0	76.6	76.4	74.6	74.6	74.9	75.9	
	SS hr (hrs)	49.0	49.0	49.0	46.0	44.0	44.0	45.0	39.0	36.0	34.0	26.0	25.0	23.0	24.0	24.0	25.0	30.0	33.0	31.0	30.0	26.0	
Growth Stages																							
		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															