





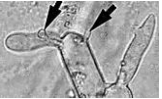









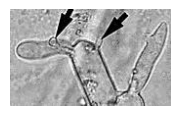





Crop Disease Weather Calendar of *Rabi* season Sweet Gourd (Powdery mildew disease): Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj), Bangladesh

Region: Sylhet		<i>Rabi</i> season Sweet Gourd: Powdery mildew disease																	Duration:110-120 days			
Weather warning	Months	October					November					December					January					
	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
	Rainfall (mm)	63.0	60.0	36.5					24.5	12.0	14.5	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0
	Max. Temp. (°C)	31.9	31.7	31.6					31.4	30.9	30.1	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8
	Min. Temp. (°C)	24.0	23.4	22.7					21.2	20.4	19.1	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1
	RH max (%)	96.4	96.1	96.0					95.6	95.4	95.2	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9
	RH Min (%)	96.4	96.1	66.5					63.1	61.9	59.2	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1
	SS hr (hrs)	71.2	68.7	49.5					54.5	52.5	55.5	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0
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): Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj), Bangladesh

Reg.: Sylhet		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																	