




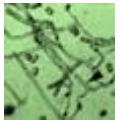
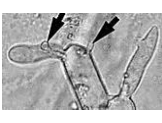






## Crop Disease Weather Calendar of *Rabi* season Pointed gourd (Powdery mildew disease):Cumilla region (Districts: Cumilla, Chandpur, Brahmanbaria), Bangladesh

Region: Cumilla		<i>Rabi</i> season Pointed Gourd: Powdery mildew disease											Duration: 100-120 days						
Weather warning	Month	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)	51.0	46.5	30.5		16.0	11.5	18.0	8.5	4.0	2.5	0.00	4.5	1.0	1.5	0.0	0.0	0.0	1.5
	Max. Temp. (°C)	32.3	31.9	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
	Min. Temp. (°C)	25.4	24.7	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
	RH max (%)	95.6	95.7	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
	RH Min (%)	70.2	68.1	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
	SS hr (hrs)	39.0	43.0	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
Growth stage																			
		Spouting & 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 Pointed gourd (Powdery mildew disease): Cumilla region (Districts: Cumilla, Chandpur, Brahmanbaria), Bangladesh

Region: Cumilla		<i>Kharif</i> season Pointed Gourd: Powdery mildew disease														Duration: 100-120 days							
Weather warning	Month	February							March							April				May			
	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	5	6	7				8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	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	80.0	
	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	33.1	
	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	25.6	
	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	94.6	
	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	69.0	
	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	38.0	
Growth stage																							
			Spouting & 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													