



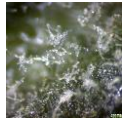

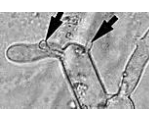







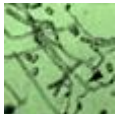
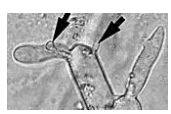





## Crop Disease Weather Calendar of *Rabi* season Pointed gourd (Powdery mildew disease): Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore		<i>Rabi</i> season Pointed Gourd: Powdery mildew disease													Duration: 140-250 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)	44.5	33.0	26.5	20.0	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
	Max. Temp. (°C)	33.2	33.0	32.7	31.9	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
	Min. Temp. (°C)	25.1	24.4	23.4	21.6	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
	RH max (%)	96.5	96.5	96.5	96.1	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
	RH Min (%)	67.0	64.4	61.5	57.1	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
	SS hr (hrs)	40.0	43.5	47.0	49.0	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
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 of *Kharif* season Pointed gourd (Powdery mildew disease): Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore		<i>Kharif</i> season Pointed Gourd: Powdery mildew disease														Duration: 140-250 days			
<b>Weather warning</b>	Months	March					April					May				June			
	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																	
<b>Weekly normal weather</b>	Std. Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Rainfall (mm)	4.0	2.5	4.5	11.5	12.0	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
	Max. Temp. (°C)	31.0	32.4	33.6	34.7	34.6	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
	Min. Temp. (°C)	16.4	17.7	19.0	20.8	21.8	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
	RH max (%)	93.2	92.5	92.1	92.1	92.4	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
	RH Min (%)	36.5	35.4	34.9	36.7	42.0	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
	SS hr (hrs)	55.0	54.0	55.0	53.0	51.5	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
<b>Growth stage</b>																			
	<b>Spouting &amp; Seedling</b>			<b>vegetative growth</b>				<b>Flowering &amp; fruiting</b>				<b>Harvesting</b>							
<b>Disease Life cycle</b>																			
	<b>Spore deposition</b>		<b>Spore germination</b>	<b>Germ tube penetration</b>		<b>Disease development</b>		<b>Disease cycle continued up to fruiting stage</b>											