



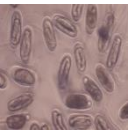

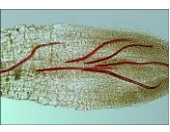

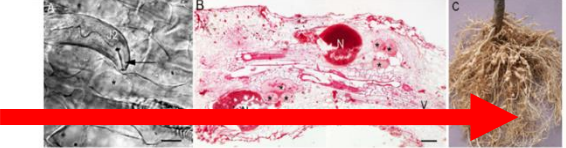






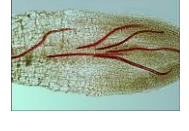




## Crop Disease Weather Calendar of *Rabi* season Pointed gourd (Root knot disease): Cumilla region (Districts: Cumilla, Chandpur, Brahmanbaria), Bangladesh

Region: Cumilla		<i>Rabi</i> season Pointed Gourd: Root knot disease																Duration: 100-120 days			
Weather warning	Month	October				November								December				January			
	Max. Temp. (°C)	Soil temperature: 28 <sup>o</sup> C, hot summer is long and winter is short and mild																			
	Min. Temp. (°C)	Soil temperature: 16 <sup>o</sup> C																			
	RH Max (%)	90%																			
	RH Min (%)	70%																			
	Rainfall (mm)	-----																			
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			
Stage																					
Disease Life cycle																					
Disease Life cycle		Eggs lay on root surface (4 days)		Juvenile development (12 days)		Juvenile infection and penetration (2 days)		Gall formation (10 days)		After occurrence of disease the disease cycle continued up to fruiting stage											

## Crop Disease Weather Calendar of *Kharif* season Pointed gourd (Root knot disease): Cumilla region (Districts: Cumilla, Chandpur, Brahmanbaria), Bangladesh

Region: Cumilla		<i>Kharif</i> season Pointed Gourd: Root knot disease																	Duration: 100-120 days			
Weather warning	Month	February					March					April				May						
	Max. Temp. (°C)	Soil temperature: 28 <sup>o</sup> C, hot summer is long and winter is short and mild																				
	Min. Temp. (°C)	Soil temperature: 16 <sup>o</sup> C																				
	RH Max (%)	90%																				
	RH Min (%)	70%																				
	Rainfall (mm)	-----																				
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			
Stage																						
		Spouting & Seedling			vegetative growth					Flowering & fruiting				Harvesting								
Disease Life cycle																						
		Eggs lay on root surface (4 days)		Juvenile development (12 days)		Juvenile infection and penetration (2 days)		Gall formation (10 days)		After occurrence of disease the disease cycle continued up to fruiting stage												