




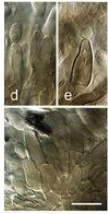
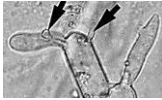




Disease Weather Calendar of Rabi season Soybean (Anthracnose disease): Rangpur Region (Districts: Rangpur, Lalmonirhat, Nilphamari, Kurigram, Gaibandha) Bangladesh

Region: Rangpur		Rabi season Soybean: Anthracnose disease										Life span:100-120 days								
Weather warming	Months	January					February					March				April				
	Max. Temp. (°C)	28 °C to 32 °C for disease development																		
	Min. Temp. (°C)	22 °C to 25 °C for disease development																		
	RH Max (%)	Initial infection required 95% or above relative humidity for 24 hrs.																		
	RH Min (%)	80%																		
	Rainfall (mm)	Frequent rainy and warm weather alone with prolonged leaf wetness (exceed 12 hrs/day) favored disease development																		
Weekly normal weather	Std. Week/Normal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
	Rainfall (mm)	1.0	2.5	2.0	1.0	1.0	1.5	3.5	1.5	2.5	1.0	2.5	5.5	18.5	11.0	19.5	28.5	31.5		
	Max. Temp. (°C)	22.7	22.4	23.2	23.4	24.7	25.9	26.7	27.5	28.5	29.9	30.8	31.6	31.4	32.1	32.5	32.3	32.0		
	Min. Temp. (°C)	10.9	10.4	10.8	10.8	11.8	12.7	13.7	14.4	15.3	16.1	17.3	18.4	19.5	20.3	21.1	21.9	21.9		
	RH max (%)	96.0	96.0	95.8	95.7	95.5	94.3	93.7	92.9	91.4	89.8	88.7	88.1	87.7	88.5	88.4	89.9	90.9		
	RH Min (%)	58.5	57.8	56.2	54.2	51.6	48.0	47.1	45.3	42.8	39.6	40.8	42.5	48.8	49.7	50.7	56.7	59.0		
	SS hr (hrs)	36.0	36.5	39.5	41.0	44.0	48.5	50.0	51.5	56.5	57.5	57.0	54.0	49.0	51.5	51.0	47.5	47.0		
Stage																				
			Germination and Emergence		vegetative growth										Flowering & Pod Formation				Harvesting	
Disease cycle																				
			Spore landing		Spore germination		penetration		Disease development		After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage									