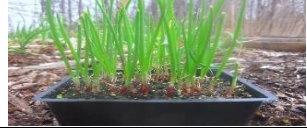



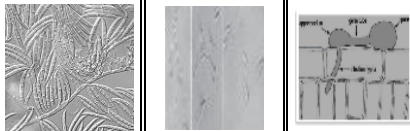









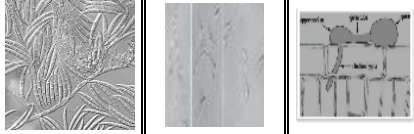






Crop disease weather calendar of the Rabi season Onion (Basal bulb rot disease): Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaor) Bangladesh

Dinajpur Region		Rabi season Onion: Basal bulb rot disease														Life span: 100-110 days							
Weather warning	Months	November				December				January				February			March						
	Max. Temp. (°C)	Atmospheric temperature: 32°C; Soil temperature: 28 °C along with high soil moisture																					
	Min. Temp. (°C)	Atmospheric temperature: 25 °C; Soil temperature: 25 °C along with high soil moisture																					
	RH Max (%)	Above 70%																					
	RH Min (%)	50%																					
	Rainfall (mm)	Dry atmospheric conditions																					
Weekly normal weather	Std. Week/Normal	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
	Rainfall (mm)	3.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0	1.0	4.0	2.0	7.0	
	Max. Temp. (°C)	29.7	29.0	28.7	28.0	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6	30.1	31.1	32.0	32.1	
	Min. Temp. (°C)	18.3	16.9	15.6	14.0	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0	16.1	17.1	18.6	19.7	
	RHmax (%)	95.9	95.9	95.3	95.6	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6	88.9	87.6	86.0	87.1	
	RHMin (%)	53.0	51.6	48.1	47.6	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4	35.3	35.1	36.4	43.3	
	SShr (hrs)	56	52.0	54.0	53.0	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0	59.0	59.0	55.0	49.0	
Stages																							
	Germination and Seedling Planting		Vegetative Growth				Bulb formation						Harvesting										
Disease Life cycle																							
	Spore landing	Spore germination	Penetration	Disease development	Spore landing on host surface to Disease development process continued over the crop growing period																		
	Spore landing on host surface to Disease development process continued over the crop growing period																						

Crop disease weather calendar of the Kharif season Onion (Basal bulb rot disease): Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaor) Bangladesh

Dinajpur Region		Kharif season Onion: Basal bulb rot disease														Life span: 100-110 days							
Weather warning	Months	April				May				June				July				August					
	Max. Temp. (°C)	Atmospheric temperature: 32°C; Soil temperature: 28 °C along with high soil moisture																					
	Min. Temp. (°C)	Atmospheric temperature: 25 °C; Soil temperature: 25 °C along with high soil moisture																					
	RH Max (%)	Above 70%																					
	RH Min (%)	50%																					
	Rainfall (mm)	Dry atmospheric conditions																					
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)	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0	70.0	60.0	93.0	103.0	
	Max. Temp. (°C)	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3	32.9	32.6	32.4	32.1	
	Min. Temp. (°C)	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.0	26.3	26.7	26.1	26.0	
	RHmax (%)	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7	94.1	94.0	95.0	95.7	
	RHMin (%)	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6	70.1	70.9	72.6	73.1	
	SShr (hrs)	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0	36.0	37.0	34.0	34.0	
Stages																							
	Germination and Seedling Planting		Vegetative Growth				Bulb formation						Harvesting										
Disease Life cycle																							
	Spore landing	Spore germination	Penetration	Disease development		Spore landing on host surface to Disease development process continued over the crop growing period																	