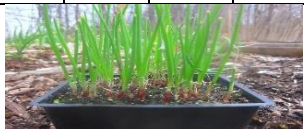




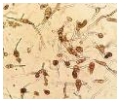
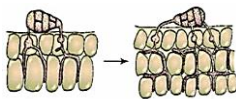







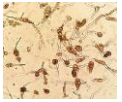
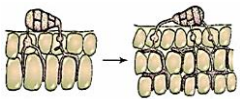




Crop Weather Calendar of Rabi Onion(Purple blotch disease): **Dinajpur Region** (Districts:Dinajpur, Thakurgaon, Panchagaor) **Bangladesh**

Dinajpur Region		Rabi season Onion: Purple blotch disease														Life span: 100-110 days							
Weather warning	Months	November				December				January				February			March						
	Max. Temp. (°C)	Warm temperature, 30 °C																					
	Min. Temp. (°C)	21 °C																					
	RH Max (%)	Humidity 90% or above (wet and humid condition)																					
	RH Min (%)	80%																					
	Rainfall (mm)	Moderate to heavy frequent rainfall and heavy dew during growing stage causes prolonged leaf wetness (12 hours or more) and forward disease development.																					
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 cycle																							
	Spore association with host		Spore germination	Germ tube formation & Penetration			Disease development		After occurrence of disease the disease cycle continued up to bulb formation stage														

Crop Weather Calendar of Kharif Onion(Purple blotch disease): **Dinajpur Region** (Districts:Dinajpur, Thakurgaon, Panchagaor) **Bangladesh**

Dinajpur Region		Kharif season Onion: Purple blotch disease														Life span: 100-110 days							
Weather warning	Months	April				May				June				July				August					
	Max. Temp. (°C)	Warm temperature, 30 °C																					
	Min. Temp. (°C)	21 °C																					
	RH Max (%)	High humidity 90% or above (wet and humid condition)																					
	RH Min (%)	80%																					
	Rainfall (mm)	Moderate to heavy frequent rainfall and heavy dew during growing stage																					
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 cycle																							
	Spore association with host		Spore germination		Germ tube formation & Penetration		Disease development		After occurrence of disease the disease cycle continued up to bulb formation stage														