




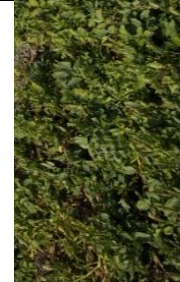



Crop Weather Calendar of Potato:CumillaRegion (Districts:Cumilla, Chandpur, Bramanbaria), Bangladesh

Region:Cumilla	Potato												Time duration : 105 days		
Months	October				November				December				January		
Std.Week/Normal	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3
Rainfall (mm)	46.5	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0
Max. Temp. (°C)	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
Min. Temp. (°C)	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
Mean Temp. (°C)	28.3	28.0	27.0	26.4	25.7	24.6	23.5	22.5	21.7	20.8	20.0	19.4	18.8	18.6	18.9
RHmax (%)	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
RHMin (%)	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
RHmean (%)	81.9	80.6	78.5	77.9	76.9	75.0	74.0	74.0	73.2	74.1	74.1	73.6	73.9	73.4	72.2
SShr (hrs)	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
WD (deg)	214	201	187	202	183	184	190	195	206	192	211	213	205	209	218
WS(Km/hr)	4.3	4.3	4.0	3.5	3.7	3.7	3.5	3.3	3.3	4.0	3.5	3.8	4.0	4.2	4.6
Stages															
	Spouting	Seedling	vegetative growth		Tuber set/ initiation			Tuber bulking/ development		Maturity		Harvesting			

Favorable Weather Conditions				
Temperature	18-21°C	10-18°C	Day temperature 18-20 °C and night temperature <15°C	15-18°C
SShr (hrs)	At least 6-9	At least 6-9	At least 6-9	At least 6-9
RH(hr)	65-80%	65-80%	65-80%	65-80%
Soil temp.(°C)	15-18°C			
Rainfall (mm)	400-600 mm			
Normal Phase wise water requirement (mm)	400-450 mm	400-450 mm	400-450 mm	400-450 mm

Favorable Weather Condition for Pests & Diseases				
Late Blight	Temperature 16-20°C. Cold and humid weather is congenial for spreading the disease. Low night temperature and high humidity associated with drizzling, fog and accumulation of dew on leaves. If this situation occurs, the disease becomes epidemic.			
Bacterial wilt	High Night Temperature (28-30°C) and Relative Humidity(RH) 80-90%.			
Fusarium wilt	High Night Temperature (28-30°C) and Relative Humidity(RH) 80-90%.			
Potato Leaf Roll Virus	Average temperature 18-20°C and Relative Humidity (RH) 70% (for Vector)			
Termite	Fogy and Cloudiness and abnormal high temperature			
Potato Wire Worm	Soil temperature 10-27°C			

Weather Warning				
Rainfall	>25 mm/day	>100 mm/day	>25 mm/day	
Duration of wet spell	>25 mm for 2 days	>50 mm for 3 days	>25 mm for 3 days	
Cloudy Weather		Cloudy Weather	Cloudy Weather	
Drought	>10 days	>15 days	>15 days	
High Winds		>30KM/HR	>30KM/HR	
Hail storm	Hail storm	Hail storm	Hail storm	
Temperature		Min temp < 10°C and Max. Temp >30°C		