



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**19 October 2022 (WEDNESDAY)  
[FOR THE PERIOD 19.10.2022 – 23.10.2022]**



## DISCLAIMER

Under the Agro-meteorological Information System Development Project, Agromet Advisory Service Bulletins at National & Sixty Four (64) districts have been prepared on experimental basis. These bulletins are being displayed through the website of Department of Agricultural Extension for valuable comments/ suggestions from all concerned.

## ISSUED BY

Agro-Meteorological Information Systems  
Development Project  
Department of Agricultural Extension (DAE)  
Ministry of Agriculture  
In collaboration with Bangladesh  
Meteorological Department

## Agromet Advisories

According to the extended range forecast, there is no possibility of enough rainfall in any district of the country in the next five days. The following agromet advice is provided in these circumstances:

### Rice Aman

- Apply irrigation.
- Maintain 5-7 cm land water level.
- Present weather condition is congenial for Rice hispa infestation. Apply Chlorpyrifos @2ml/L water
- Present weather condition is congenial for Brown spot infestation. Apply Fertilizer management, Spray Thiovit+Potash
- Present weather condition is congenial for Foot rot infestation. Apply Seed treatment with carboxin @ 2.5-3.0g/kg. seed.
- Present weather condition is congenial for False smut infestation. Apply Fertilizer management.
- Drain out water from the paddy field 15 days before harvesting
- If the crop is 80% mature, collect it in a sunny day.

### Vegetable

- There is chance of Phomopsis disease in Brinjal under the prevailing weather condition. Spray Bavistin @ 1g/liter of water.
- In Bitter gourd, there is chance of Epilachna beetle- under the present weather conditions. At the initial stage of infestation, it's good to remove and burn the eggs with leaves and baby beetle. 2) If the infestation is high then apply 2.5-gram Carbaryl or 2 ml carbosulfan or 1.5 ml of (Chlorpyrifos+ Cypermethrin) per lit of water.
- Early planted winter vegetables are in vegetative to flowering. Arrange mulching on the standing crop.
- Apply light Irrigation.

### Horticultural

- The current weather is congenial for fruit blight and fruit rot disease in pomegranate, to control, spray Mancozeb 600g and Carbendazim 100 g @ 200 liter of water.
- Weather condition is favourable for the incidences of thrips in pomegranate to control thrips in pomegranate, spray Spinosad 2.5 SC @ 10 ml per 10 liters of water.
- Weather condition is favourable for the incidences of fruit fly in guava. Use fruit fly trap to control fruit fly damage in guava orchards
- There is a chance of erwinia rot in banana due to weather condition in this season. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. Severely affected plants should be cut and removed to prevent the spread of disease
- Apply Irrigation.

## **Livestock**

- Vaccinate the livestock for, anthrax, Black Quarter and foot and mouth diseases, if unvaccinated.
- Consult a veterinary hospital to prevent lumpy skin disease.
- Hygiene should be maintained around cattle shed. Avoid water logging in cattle shed.
- Only dry food should be provided for cattle.
- Use disinfectants like potassium permanganate/ bleaching powder in cow sheds.
- It is very important to provide a particular amount of dewormers for both roundworm and tapeworm to any cattle, goats, if cattle are not dewormed.
- Use naphthalene in cattle sheds to protect against mosquito's flies.
- Ensure safe livestock waste management to reduce carbon emissions.

## **Poultry**

- It is very important to provide a particular amount of dewormers to poultry, if poultry are not dewormed.
- Spray disinfectant on poultry shade before placing poultry in poultry shade.
- Apply dry food and clean tap water for drinking purpose.
- Spray water on poultry shade during hot weather condition.
- Apply vaccinate if not vaccinated against Raniket and Gumboro disease.

## **Fishery**

- Repair around the pond or surround it with netting to prevent fish from escaping the pond.
- Drain out excess water from the pond.
- Remove the unwanted fishes before leaving the new fingerling in the fish pond.
- If the pond lacks oxygen, stir the water and apply lime to clean the water.
- Contact the local fisheries office for any advice/information.

## Realized Weather at different locations in the country

**Rainfall for last 24 hours (till 06 AM on 19 October 2022) and maximum temperature on 18 October and minimum temperature on 19 October 2022 is given below:**

Name of Divisions	Name of Stations	Rain fall (mm)	Max. Temp (°C)	Min. Temp (°C)	Name of Divisions	Name of Stations	Rain fall (mm)	Max. Temp (°C)	Min. Temp (°C)	
Dhaka	Dhaka	00	33.4	26.3	Chattogram	Chattogram	03	34.0	24.5	
	Tangail	00	33.6	23.2		Sandwip	07	34.4	23.4	
	Faridpur	00	33.3	24.3		Sitakunda	13	33.8	23.5	
	Madaripur	00	33.0	24.8		Rangamati	10	33.5	22.6	
	Gopalganj	00	33.0	25.0		Cumilla	07	33.7	23.4	
	Nikli	00	33.2	23.5		Chandpur	00	34.5	25.3	
Rajshahi	Rajshahi	00	33.0	23.2		M.Court	00	33.3	25.3	
	Ishurdi	00	33.1	22.3		Feni	06	34.0	24.0	
	Bogura	00	34.4	23.5		Hatiya	00	34.0	24.8	
	Badalgachhi	00	33.0	21.6		Cox's Bazar	00	34.2	25.2	
	Tarash	00	33.0	23.0		Kutubdia	00	33.4	24.5	
						Teknaf	00	33.0	26.2	
Rangpur	Rangpur	00	33.2	23.2		Khulna	Khulna	02	33.7	25.4
	Dinajpur	00	33.2	21.5			Mongla	<u>20</u>	33.3	23.0
	Sayedpur	00	34.5	21.8	Satkhira		00	32.5	24.5	
	Tetulia	00	32.8	<u>19.3</u>	Jashore		00	33.0	23.6	
	Dimla	00	32.4	21.3	Chuadanga		00	33.5	23.5	
	Rajarhat	00	32.8	21.0	Kumarkhali		00	32.0	24.0	
Mymensingh	Mymensingh	00	33.2	24.2	Barishal	Barishal	00	34.2	24.8	
	Netrokona	00	33.5	23.0		Patuakhali	00	33.7	25.5	
Sylhet	Sylhet	Trace	32.9	23.5		Khepupara	00	34.3	25.0	
	Srimangal	00	33.5	23.6		Bhola	00	<u>34.7</u>	25.2	

### Highlights:

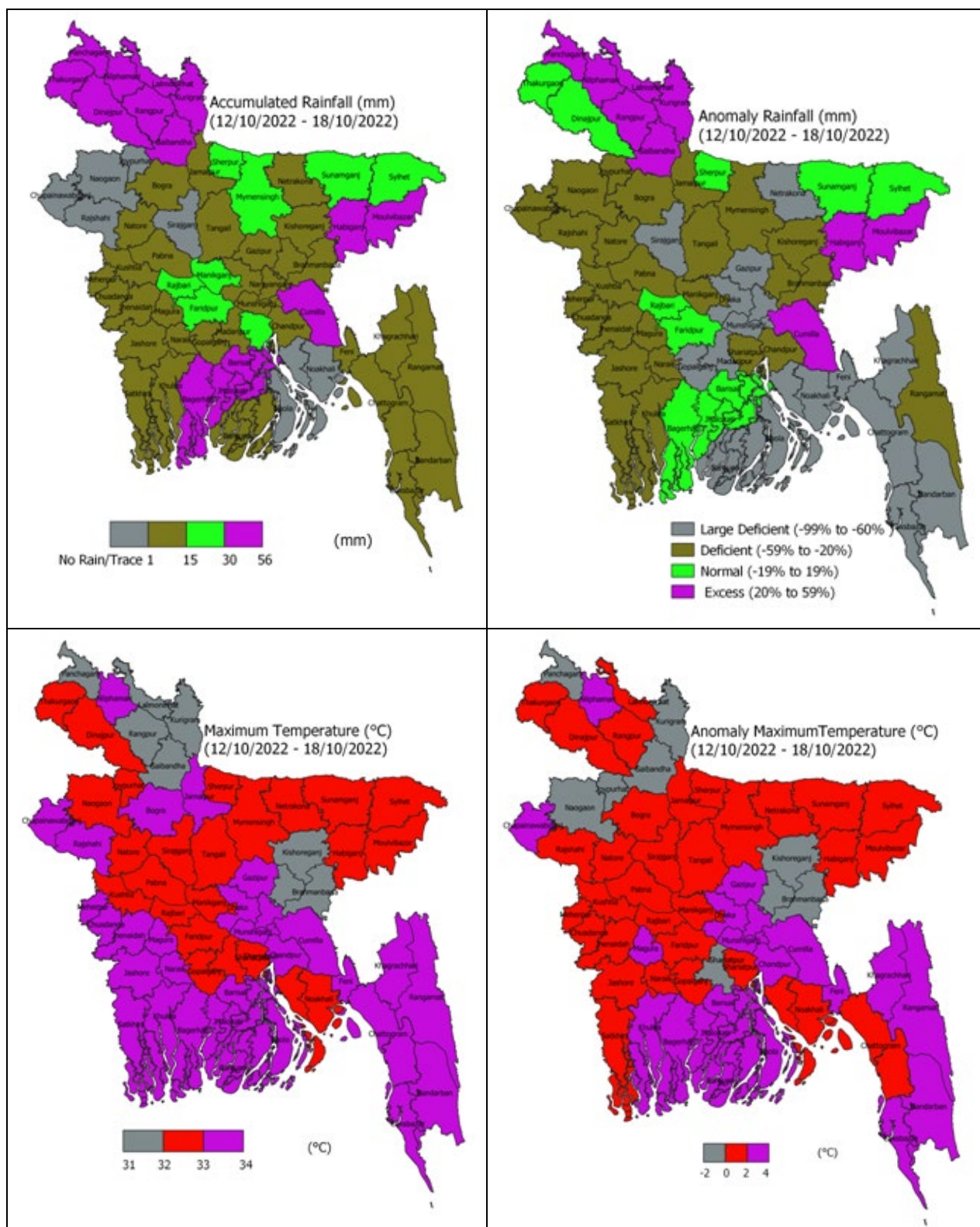
- Country average bright sunshine hour was 6.31 hours per day during last week.
- Country average free water loss during the previous week was 3.09 mm per day.

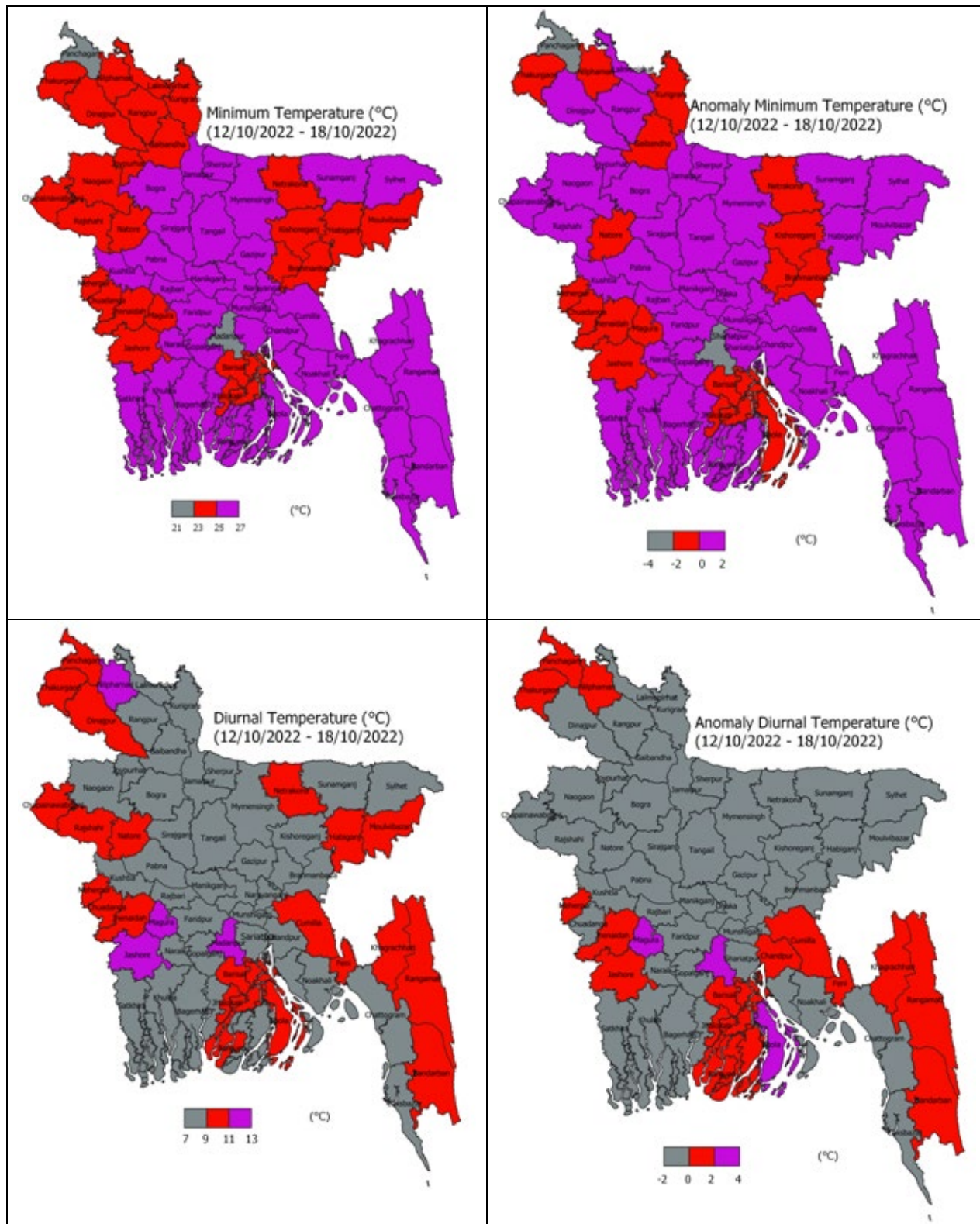
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

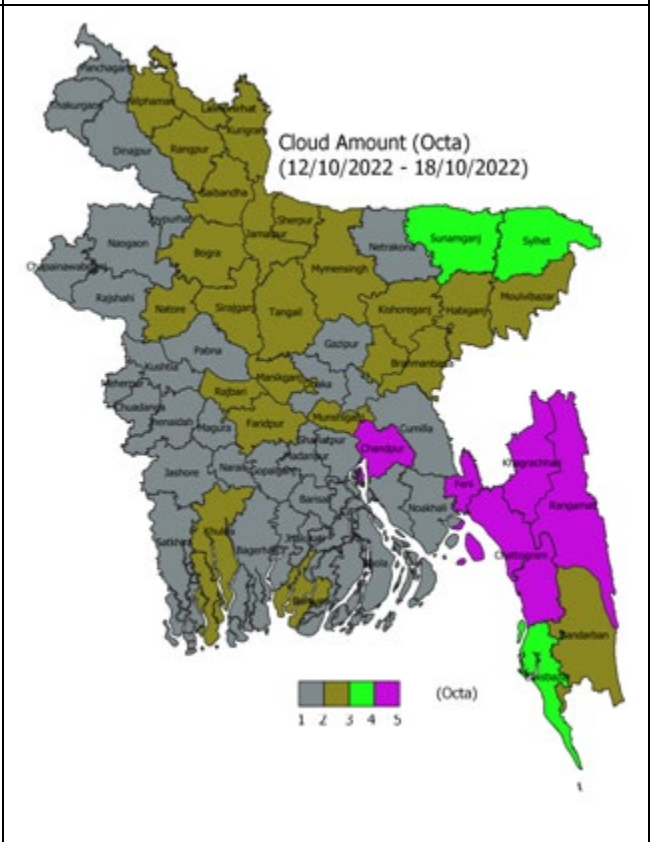
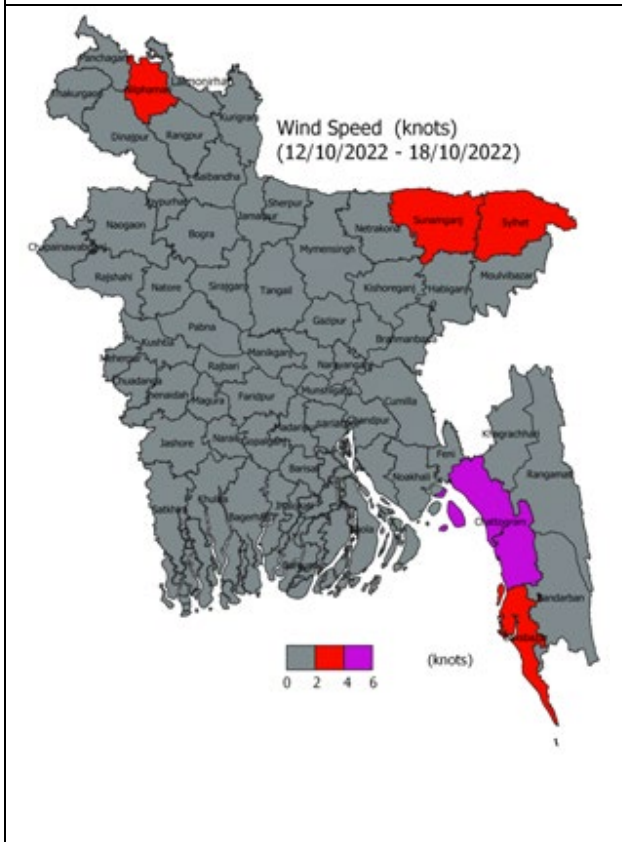
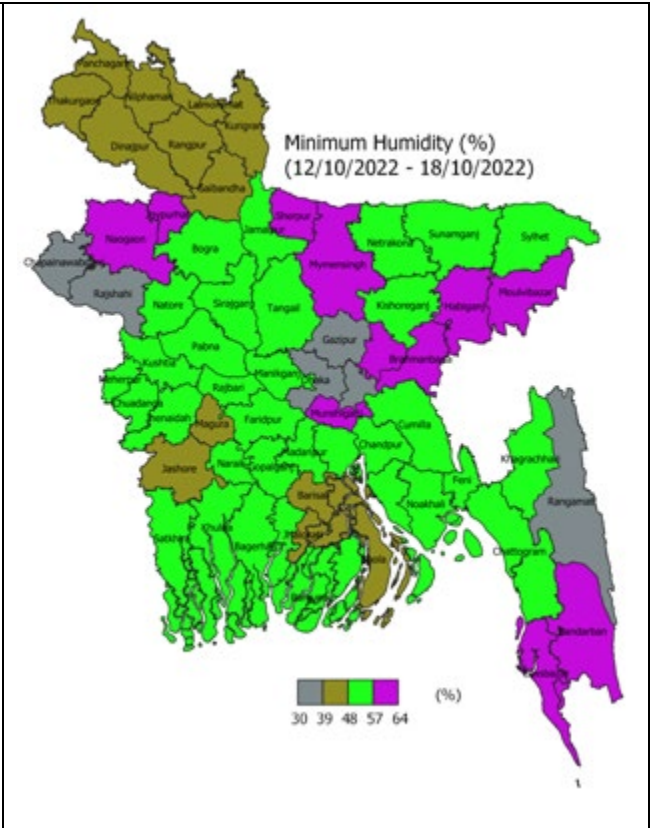
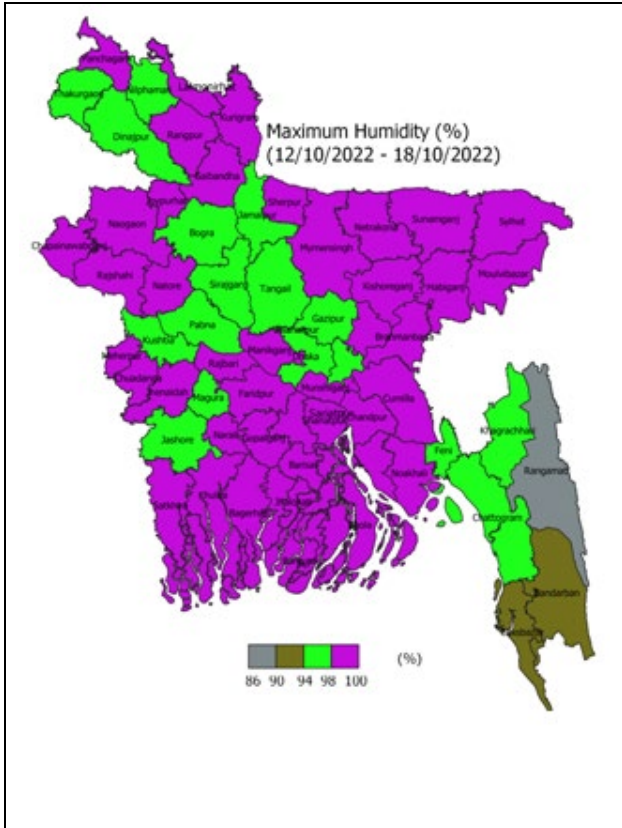
**Forecast:** Light rain/thunder showers accompanied by temporary gusty wind is likely to occur at one or two places over Khulna, Barishal & Chattogram divisions. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

**Temperature:** Day & night temperature may remain nearly unchanged over the country.

## Spatial Distribution of weather parameters for the Week ending 18 October 2022





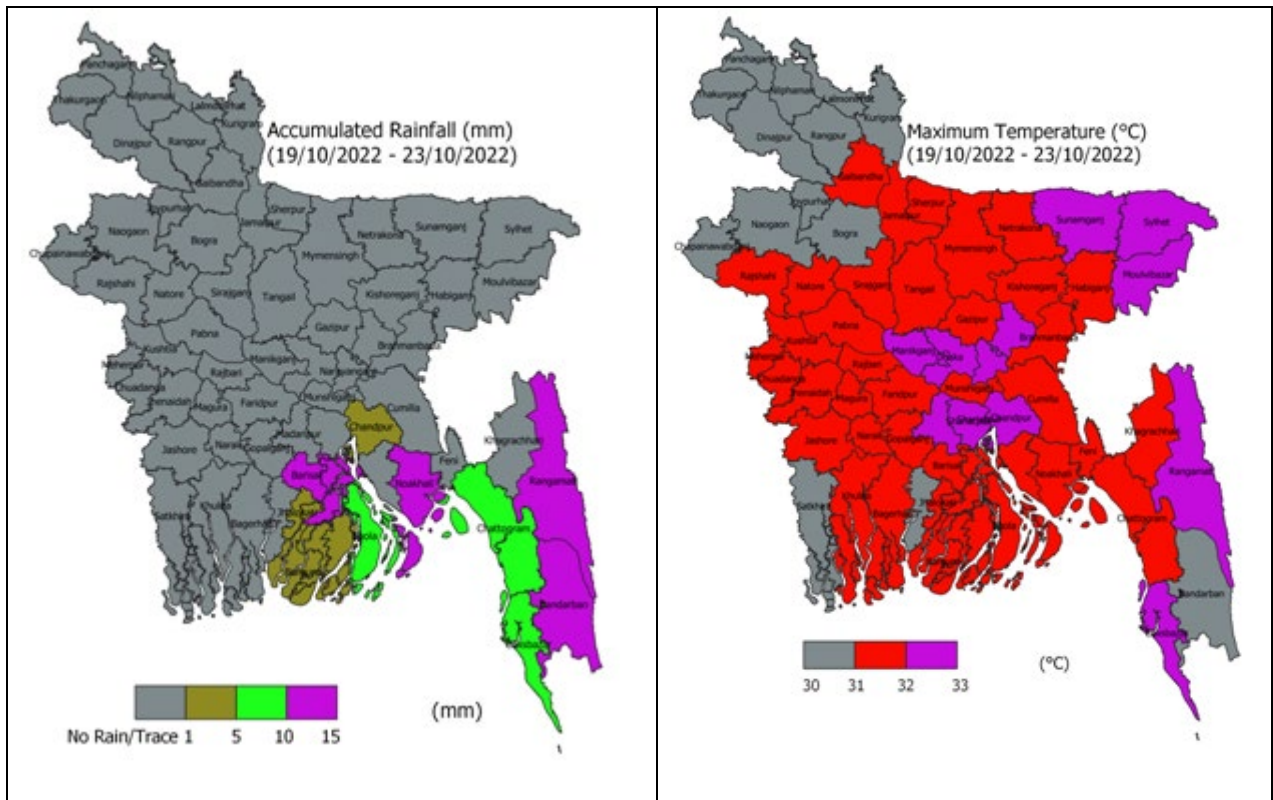


### Weather Forecast and Advisory for the Period of 17.10.2022 to 23.10.2022

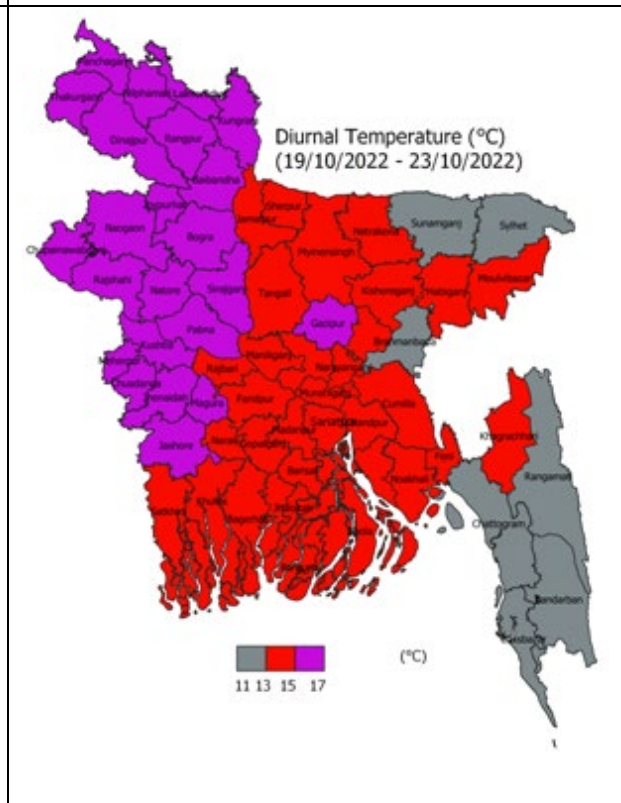
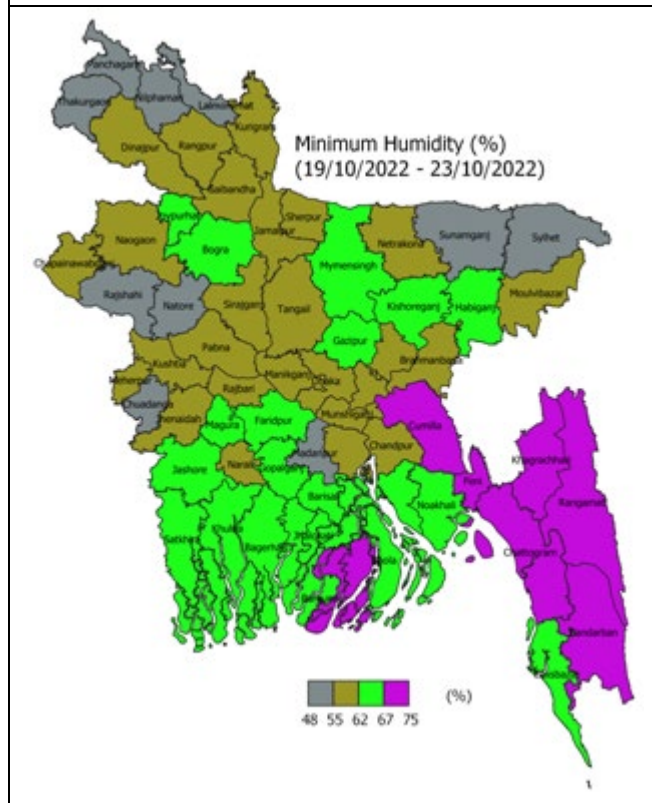
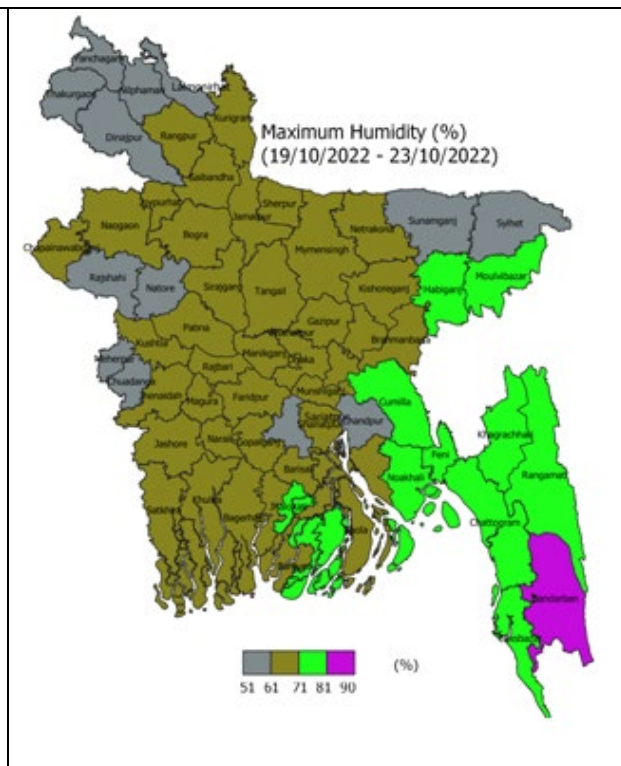
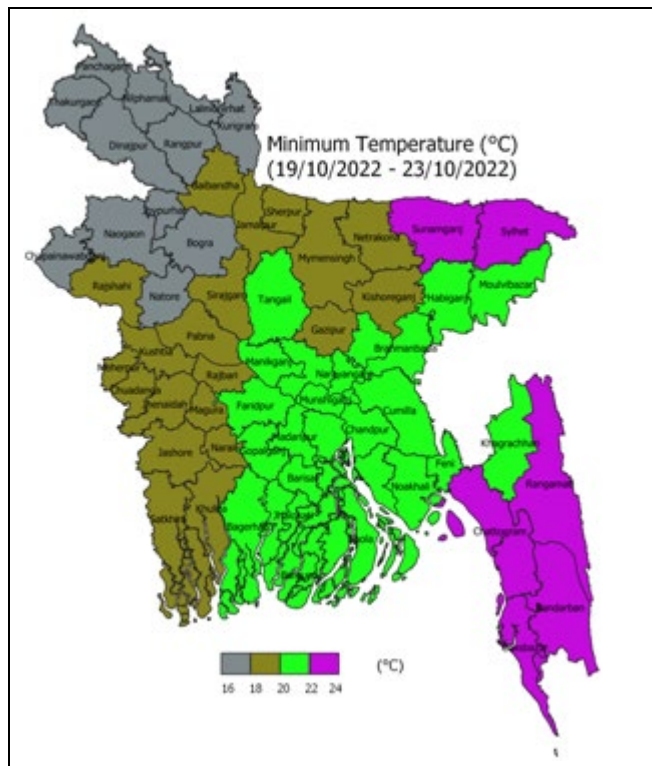
Bright sunshine hour is likely to be from 4.50 to 6.50 hours per day during this week. Average free water loss is likely to be from 3.0 to 4.0 mm per day during this week.

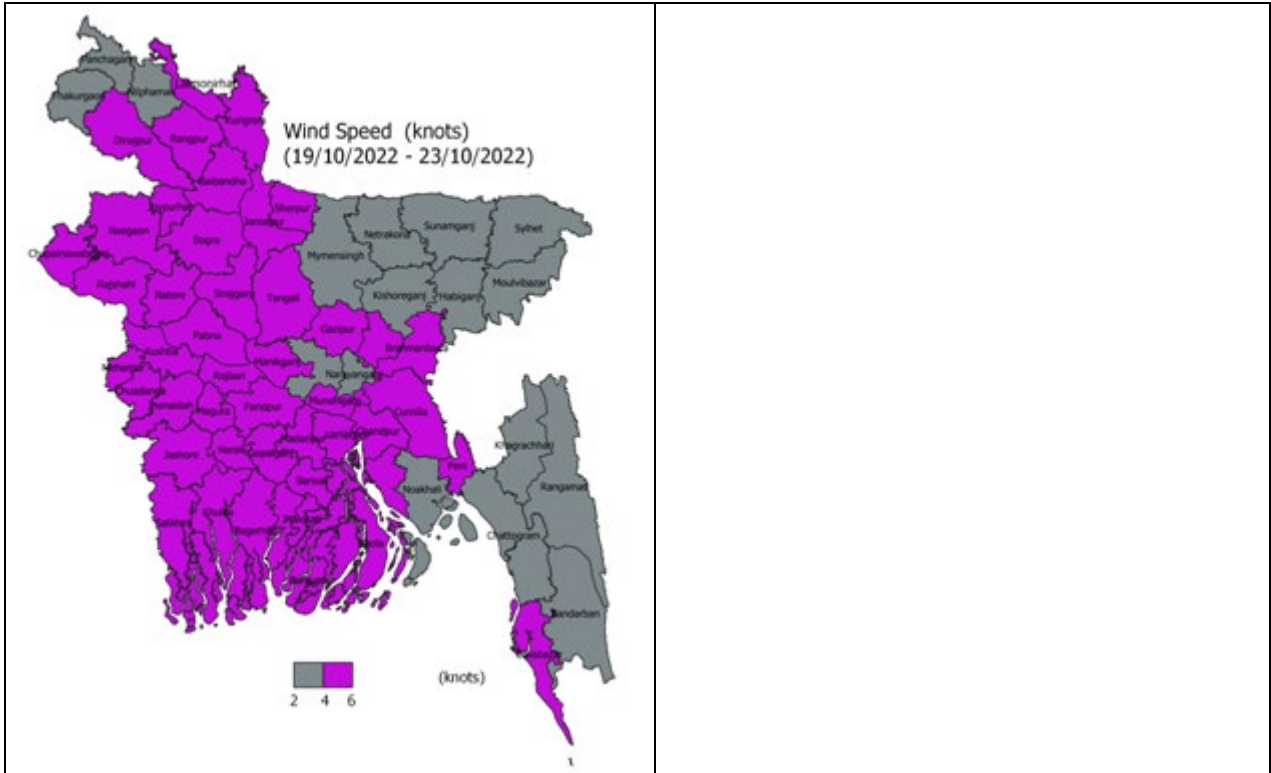
- A low-pressure area may form over Andaman Sea and adjoining area during the 1st half of the period. It is likely to intensify further.
- Light (01-10 mm/day) rain/thunder showers is likely to occur at one or two places (1%-25% area) over Sylhet & Chattogram divisions and weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country during this period.
- Day & night temperature may remain nearly unchanged over the country during this period.

### **District Wise Quantitative Weather Forecast for next Five days from 19 Oct.-23 Oct. 2022**









## Different Satellite Products over Bangladesh

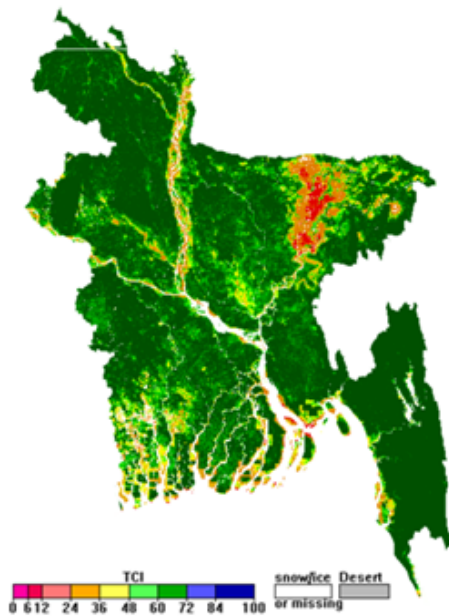
NOAA/VIIRS BLENDED NDVI composite for the week. No. 41 (08 October-14 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 41 (08 October-14 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 41 (08 October-14 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 41 (08 October-14 October) over Agricultural regions of Bangladesh

