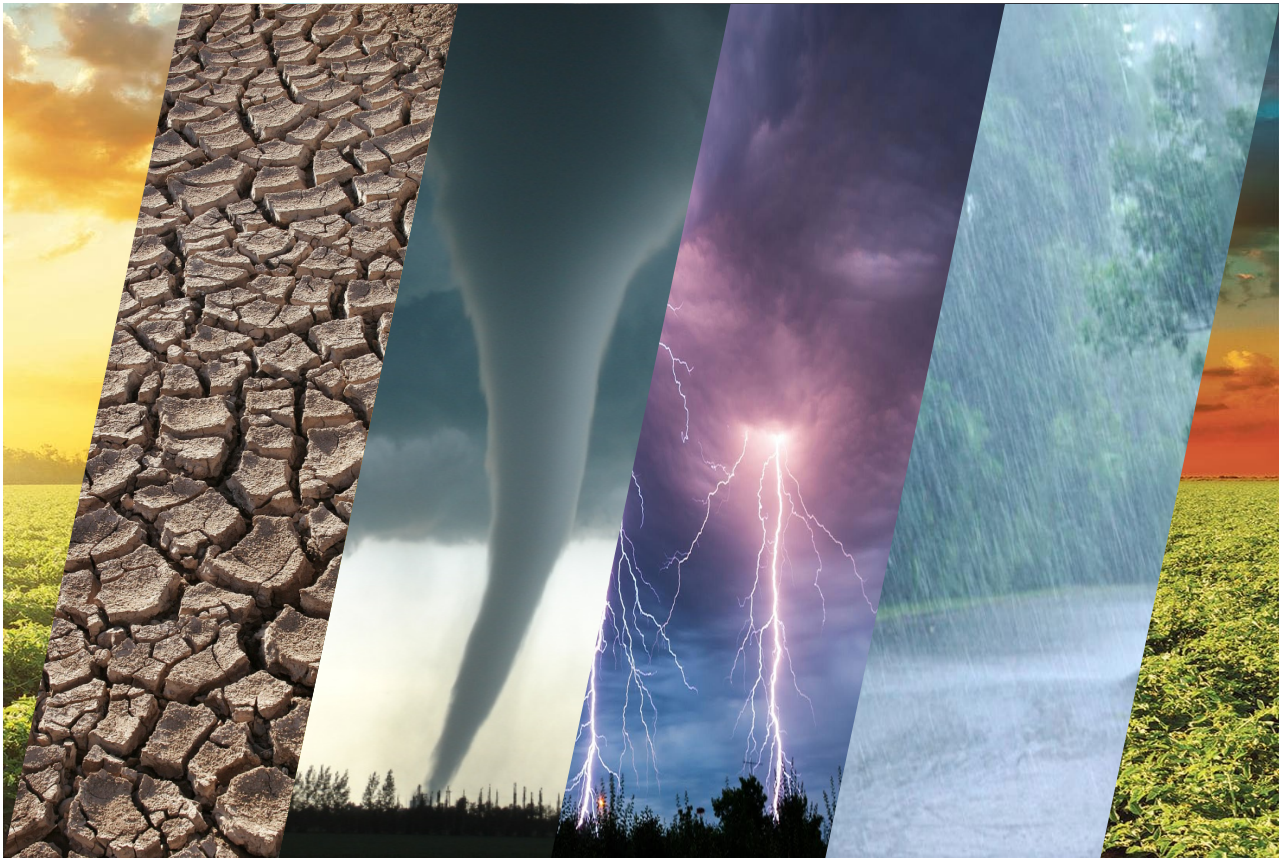




# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**05 October 2022 (WEDNESDAY)  
[FOR THE PERIOD 05.10.2022 – 09.10.2022]**



## 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 Sheath blight infestation. Apply Hexaconazol @ 1ml/litre water.

### Vegetable

- 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.

### Horticultural

- Coconut trees may be attacked by mite under current weather condition. In case of attack, all young coconut of affected trees should be cut down and burnt. Infected trees and nearby young trees should be sprayed with any mite repellent such as Omite 57 EC mixed in 1.5 ml of one liter of water.
- Symptoms of Sigatoka disease may appear on banana leaves under current weather conditions. For control, spray 2-3 times every 15-20 days by mixing 0.5 ml score or 2 g Noin or Bavistin or 0.1 ml Econazole/Folicor per liter of water.
- Apply Malathion or Diazinon 60 EC or Libacid 50 EC at approved doses in case of banana beetle infestation under current weather condition.
- Papaya plants may be attacked by milli bugs under current weather conditions. In early stages of attack, the affected leaves/stems along with the insects should be collected and

destroyed. If the attack is more, spray 2-3 times after 15 days by mixing 5 grams of soapy water or 0.25 ml of Edmair 200 ml per liter of water.

- 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 ( $\geq 36^{\circ}\text{C}$ ).
- 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 05 October 2022) and maximum temperature on 04 October and minimum temperature on 05 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	Trace	34.4	25.4	Chattogram	Chattogram	08	33.6	24.5	
	Tangail	00	33.5	26.0		Sandwip	10	34.5	24.6	
	Faridpur	03	33.4	26.0		Sitakunda	12	<b>34.8</b>	25.5	
	Madaripur	31	32.5	24.8		Rangamati	33	33.5	24.0	
	Gopalganj	21	32.5	25.4		Cumilla	05	<b>34.8</b>	24.4	
	Nikli	10	00	24.0		Chandpur	00	32.0	25.0	
Rajshahi	Rajshahi	01	33.8	25.4		M.Court	07	33.5	24.8	
	Ishurdi	02	33.2	25.7		Feni	14	34.5	23.8	
	Bogura	15	32.6	25.4		Hatiya	05	27.5	25.5	
	Badalgachhi	24	31.0	24.0		Cox's Bazar	12	32.5	24.5	
	Tarash	00	31.5	26.0		Kutubdia	01	00	24.8	
						Teknaf	01	31.8	26.5	
Rangpur	Rangpur	01	31.8	25.3		Khulna	Khulna	04	33.0	26.0
	Dinajpur	10	31.6	24.4			Mongla	05	33.8	26.8
	Sayedpur	26	32.1	24.8	Satkhira		10	32.0	25.5	
	Tetulia	<b>87</b>	28.6	<b>23.4</b>	Jashore		14	33.4	24.8	
	Dimla	59	30.3	24.3	Chuadanga		03	32.8	25.4	
	Rajarhat	00	31.5	25.3	Kumarkhali		05	00	25.6	
Mymensingh	Mymensingh	Trace	33.2	26.0	Barishal	Barishal	03	32.8	25.6	
	Netrokona	00	33.5	25.5		Patuakhali	01	31.7	26.0	
Sylhet	Sylhet	15	34.0	24.3		Khepupara	01	32.5	26.8	
	Srimangal	54	34.0	24.0		Bhola	09	32.5	25.5	

### Highlights:

- Country average bright sunshine hour was 5.25 hours per day during last week.
- Country average free water loss during the previous week was 3.27 mm per day.

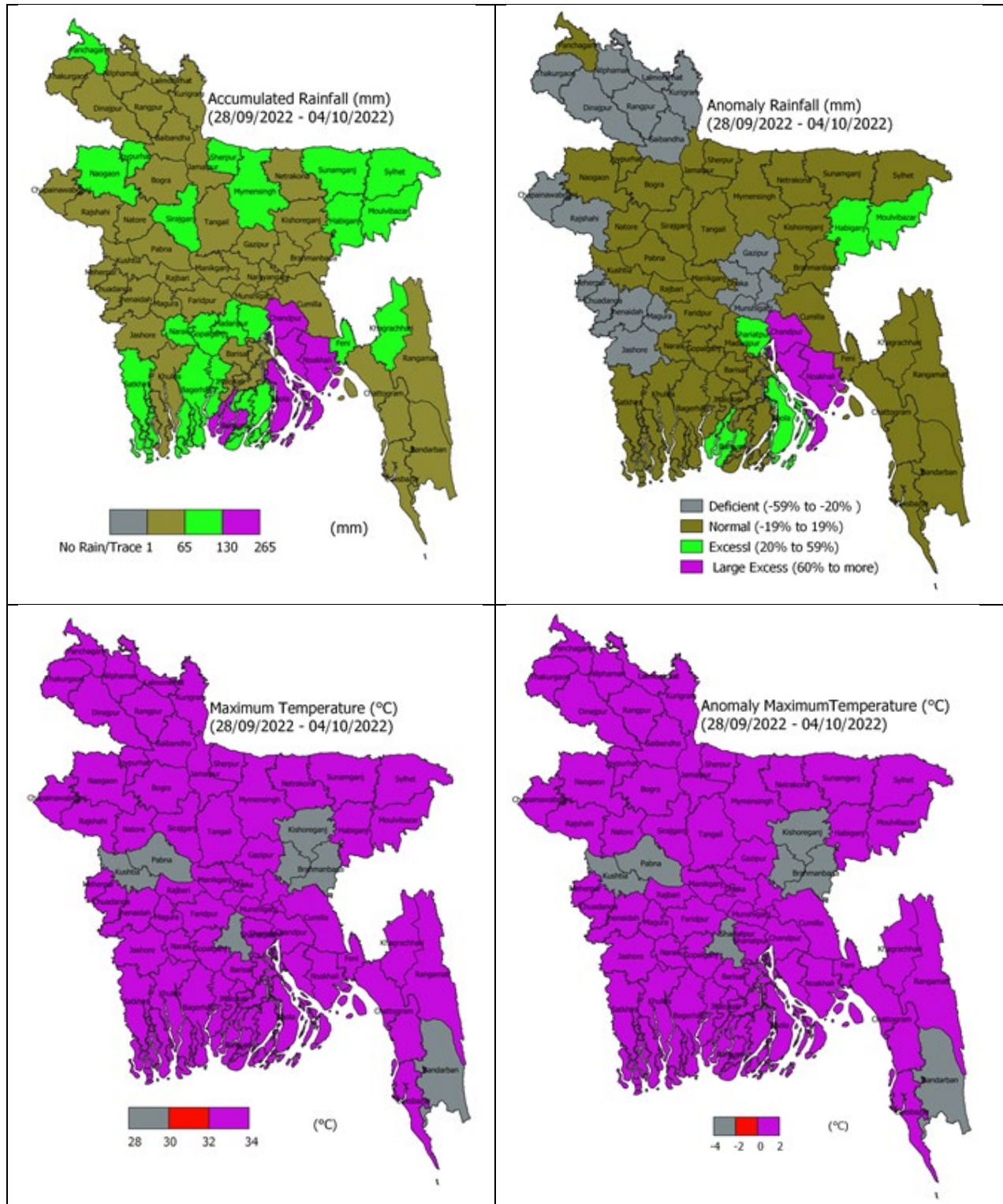
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

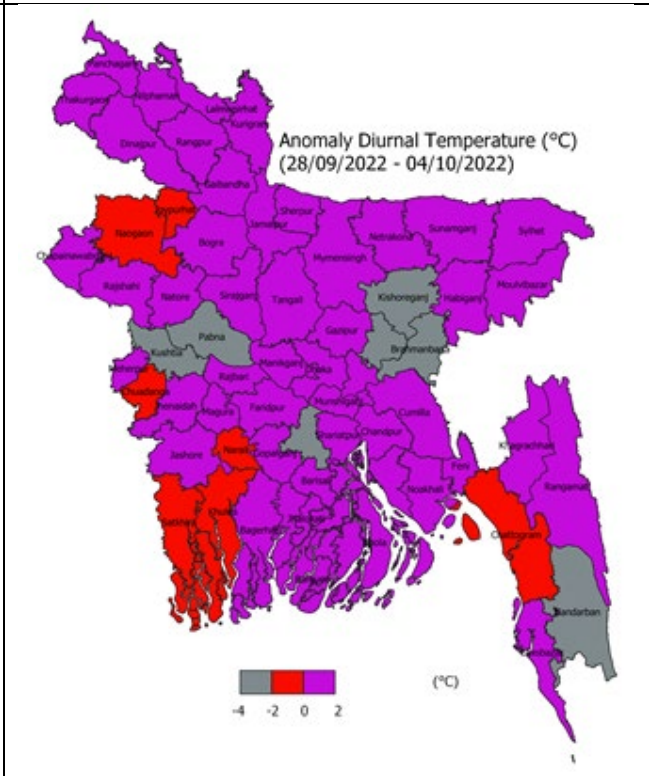
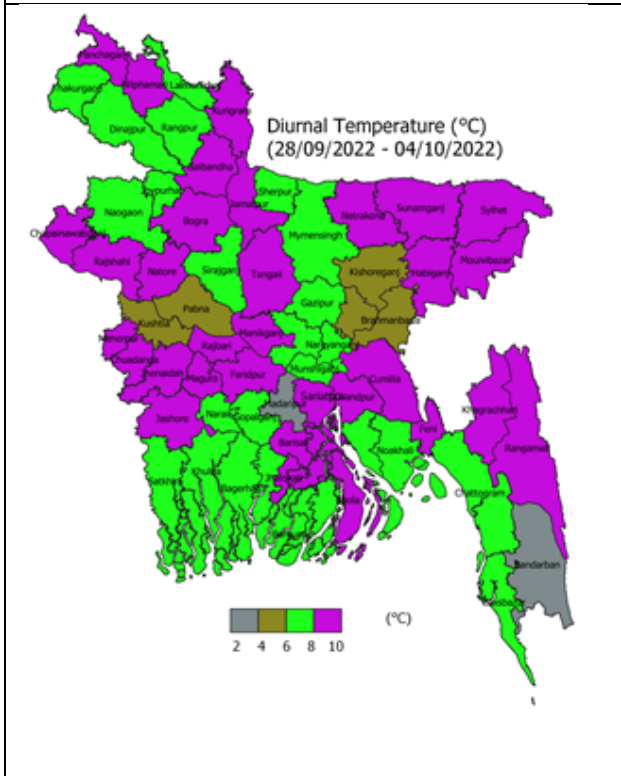
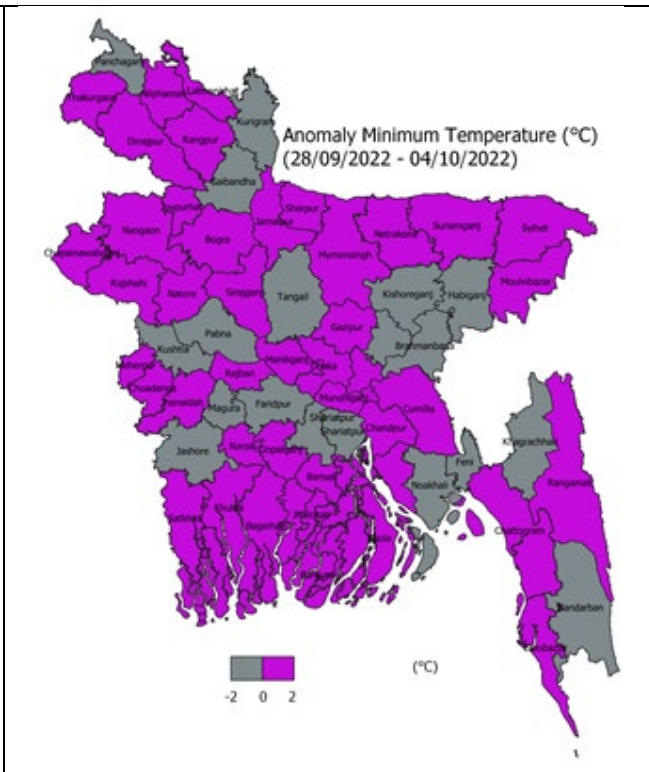
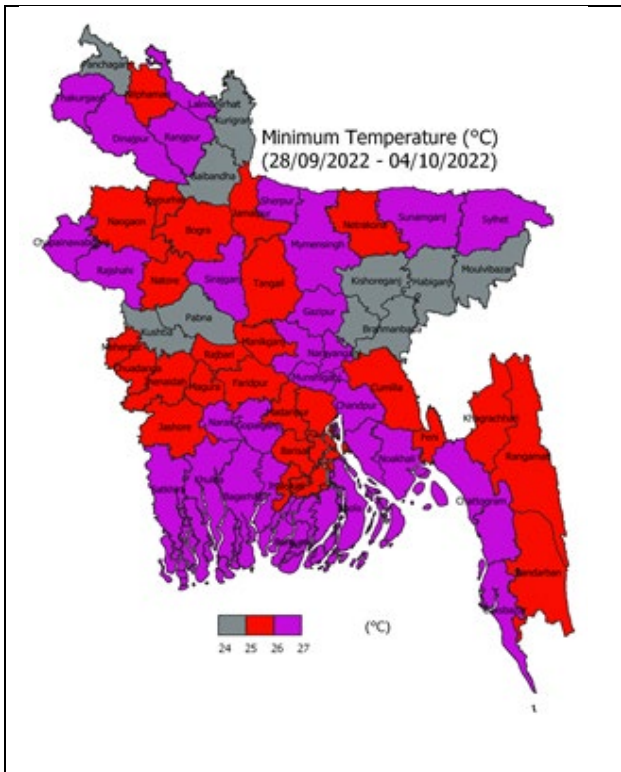
**Forecast:** Light to moderate rain/thunder showers accompanied by temporary gusty wind and lighting flashes is likely to occur at many places over Rangpur, Khulna, Sylhet & Mymensingh divisions and at a few places over Chattogram, Barishal, Dhaka & Rajshahi divisions with moderately heavy to heavy falls at isolated places over the country.

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

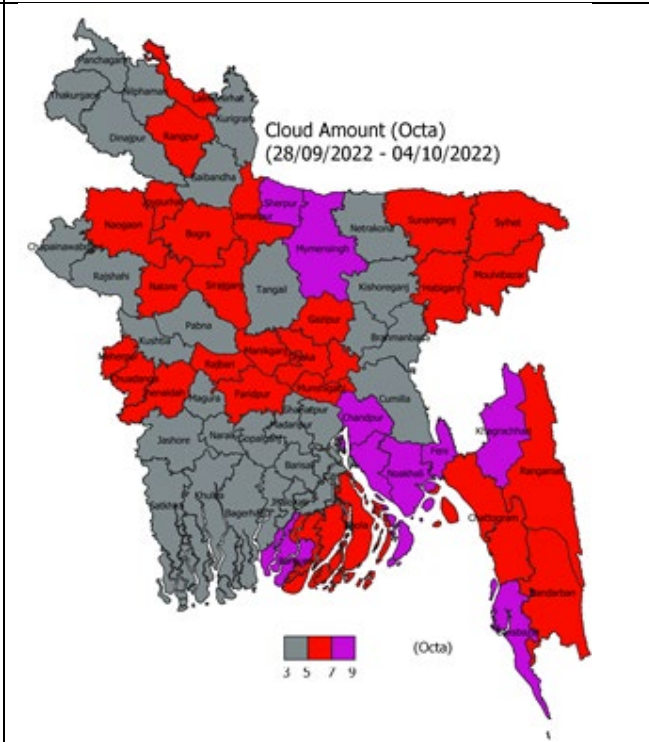
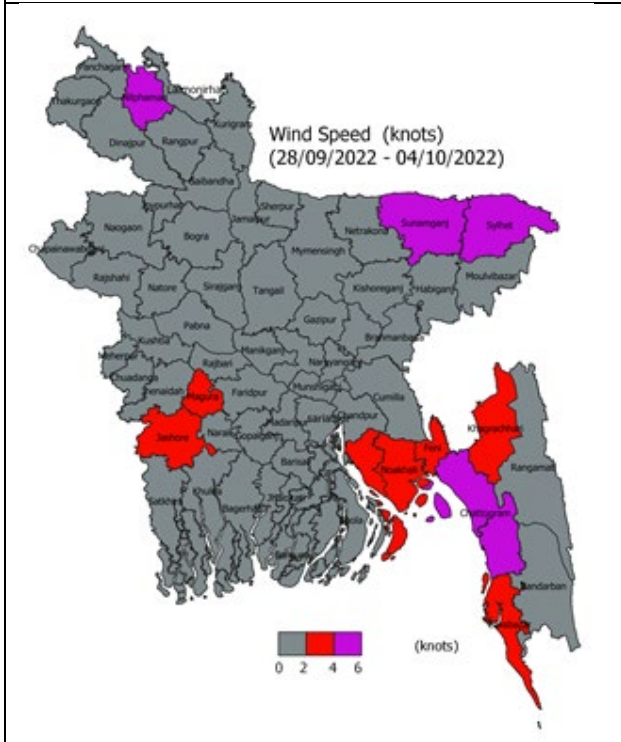
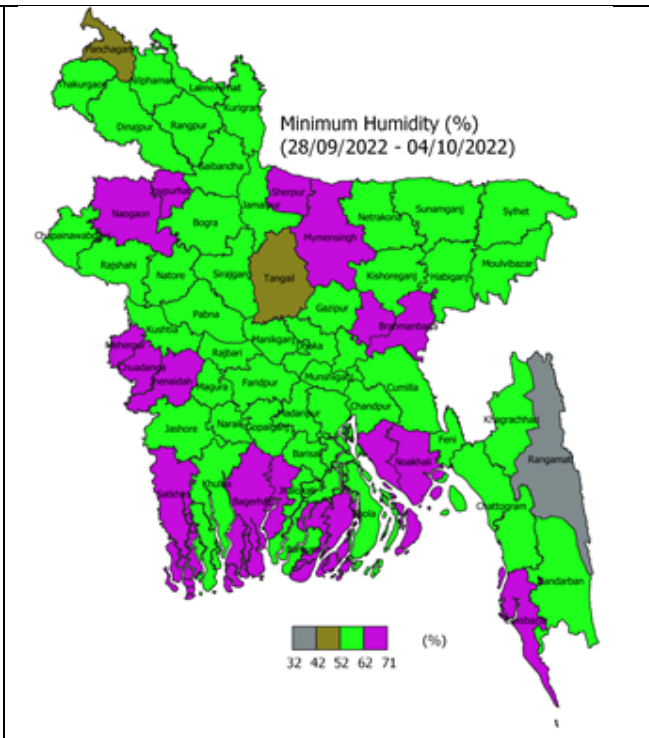
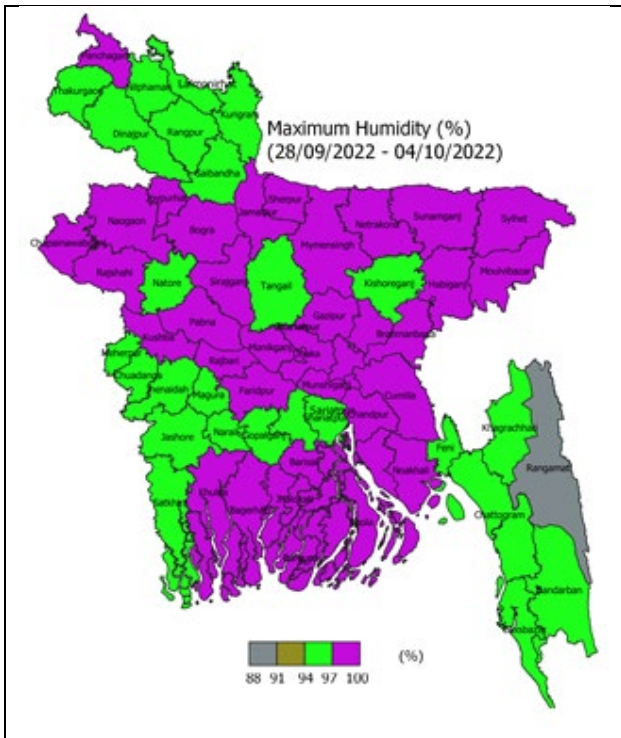


## Spatial Distribution of weather parameters for the Week ending 04 October 2022







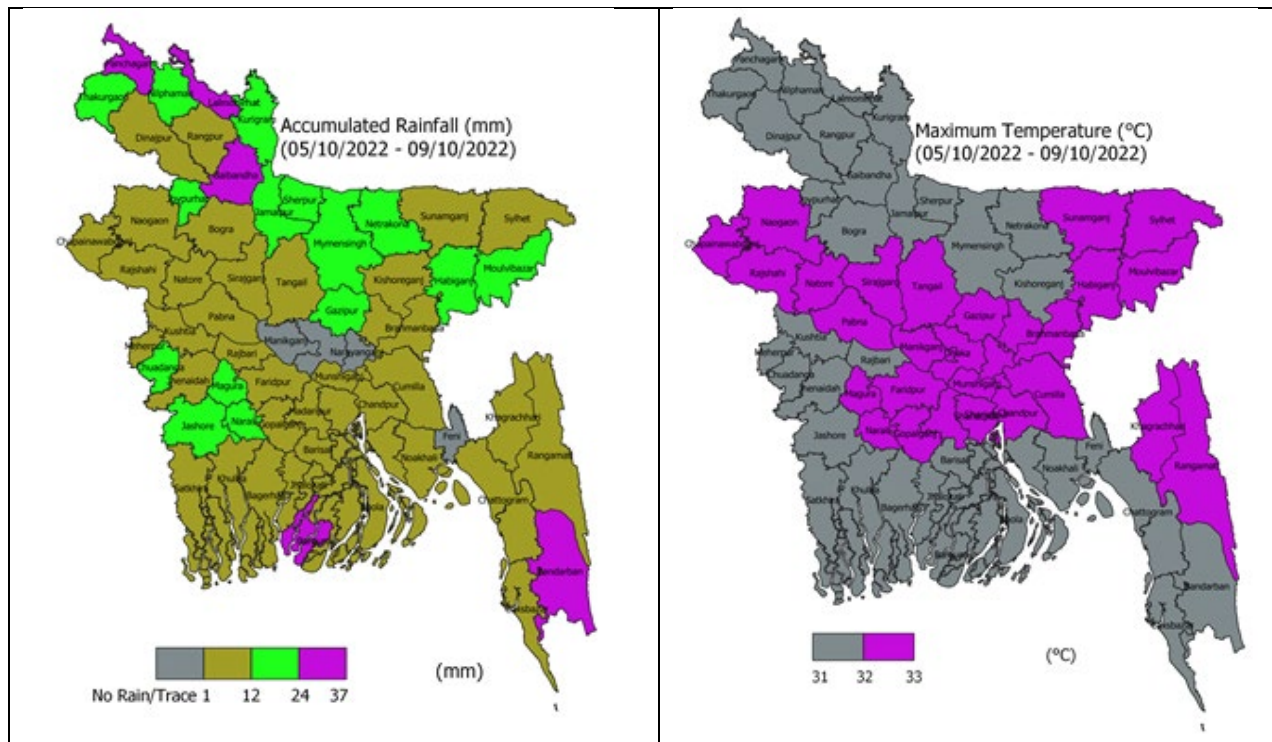


## Weather Forecast and Advisory for the Period of 02.10.2022 to 09.10.2022

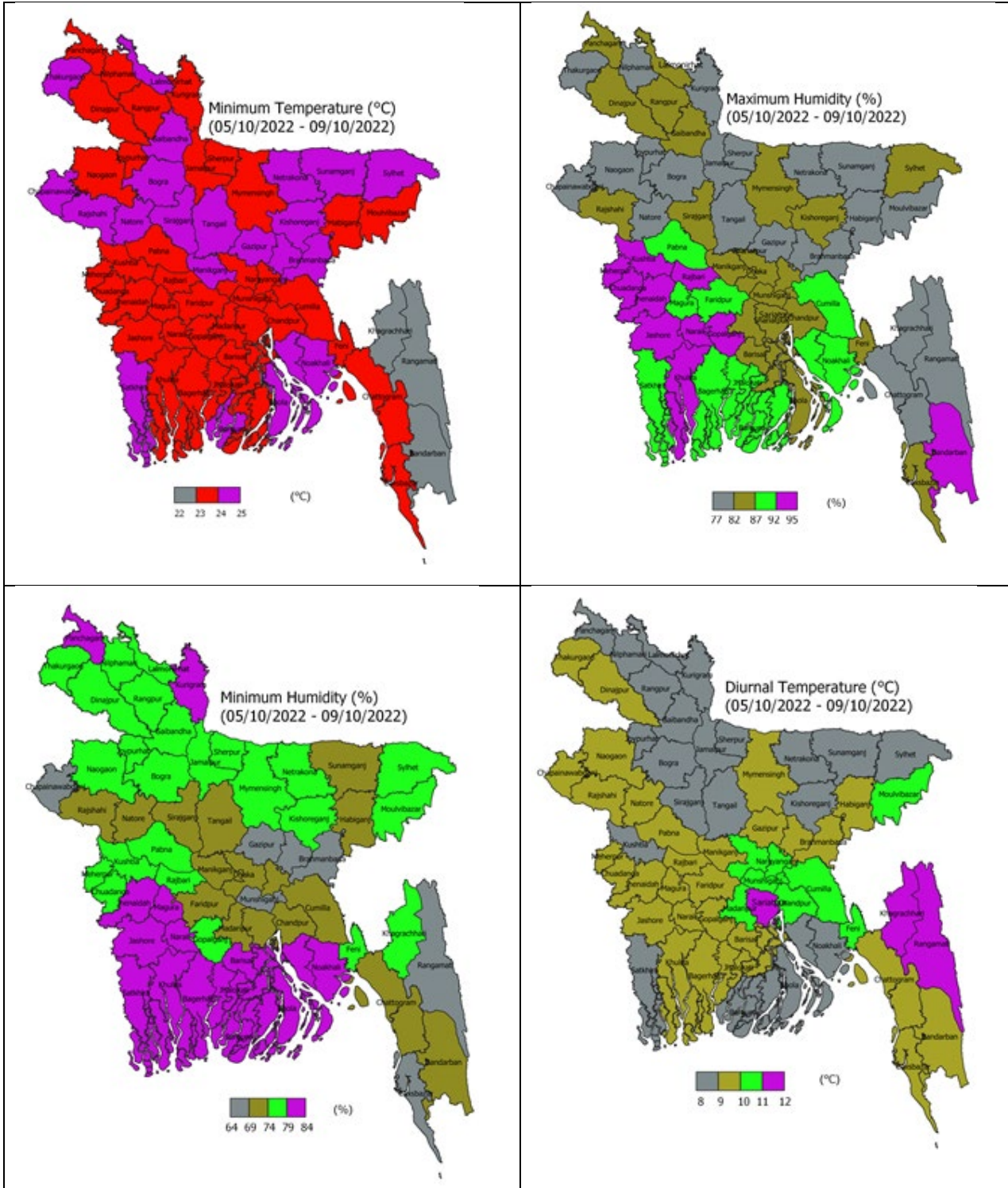
Bright sunshine hour is likely to be from 4.50 to 6.50 hours per day during this week. Average free water loss is likely to be from 3.0 to 4.0 mm per day during this week.

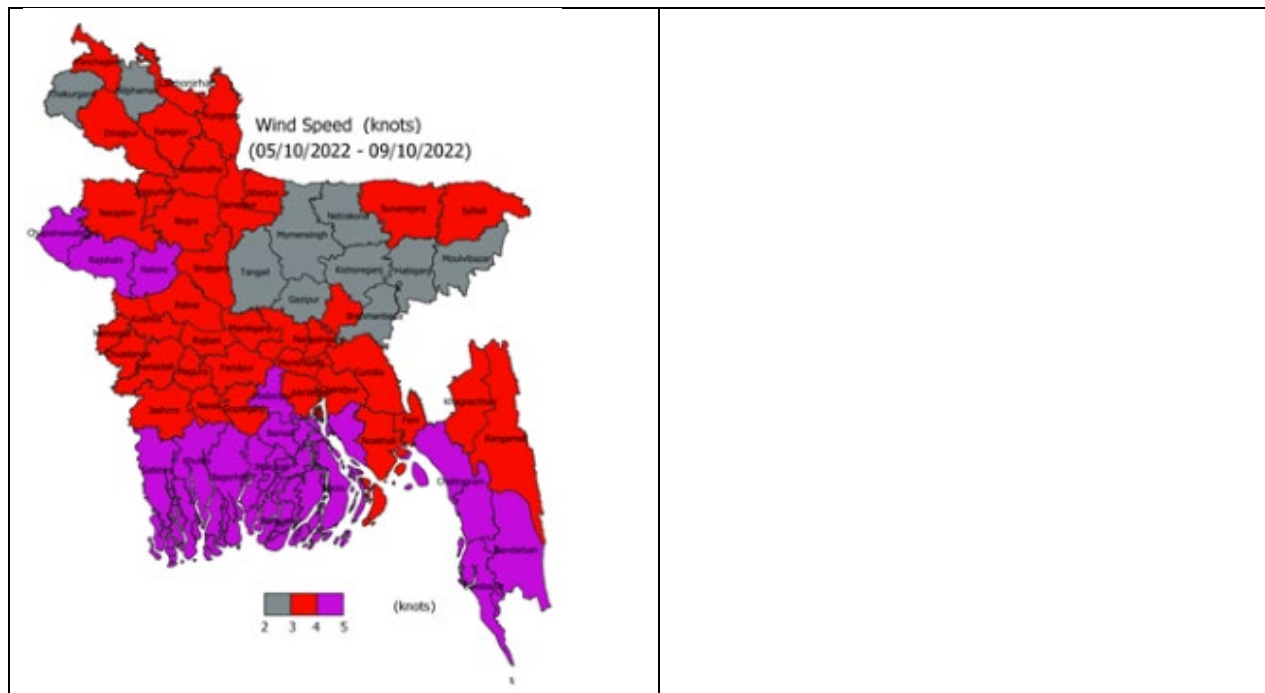
- Light (01-10 mm/day) to moderate (11-22 mm/day) rain/thunder showers accompanied by temporary gusty wind with lightning flashes is likely to occur at a most places (76%-100% area) over Rangpur, Sylhet, Dhaka & Mymensingh divisions and at many places (51%-75% area) over Rajshahi, Khulna, Barishal & Chattogram divisions with moderately heavy (23-43 mm/day) falls at isolated places during the 1st half of this period and rainfall activities may decrease during the 2nd half of this period.
- Slight fall in day & night temperature over the country during this period.

### **District Wise Quantitative Weather Forecast for next Five days from 28 Sept.-04 Oct. 2022**



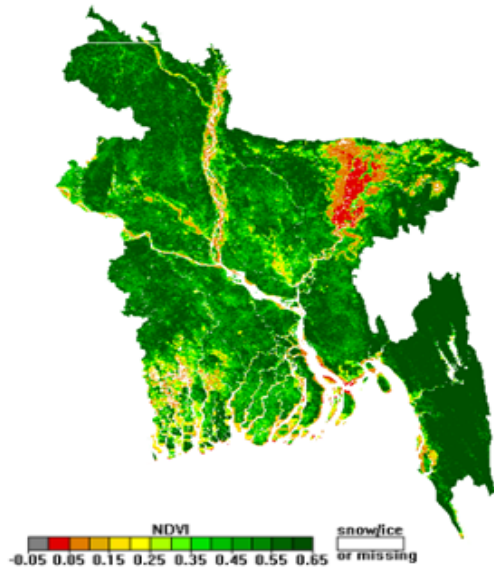




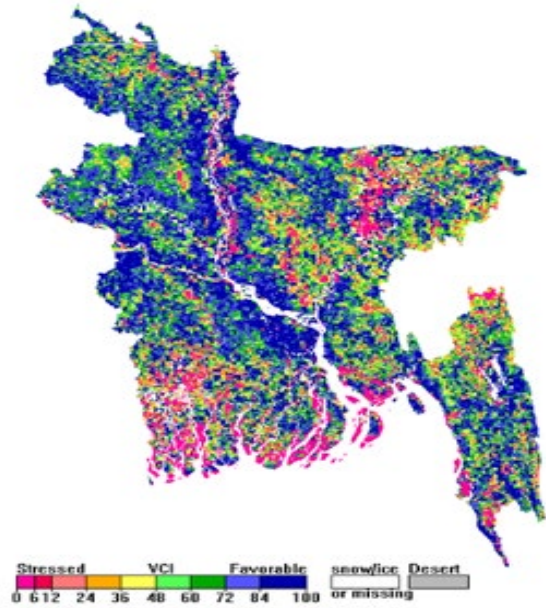


## Different Satellite Products over Bangladesh

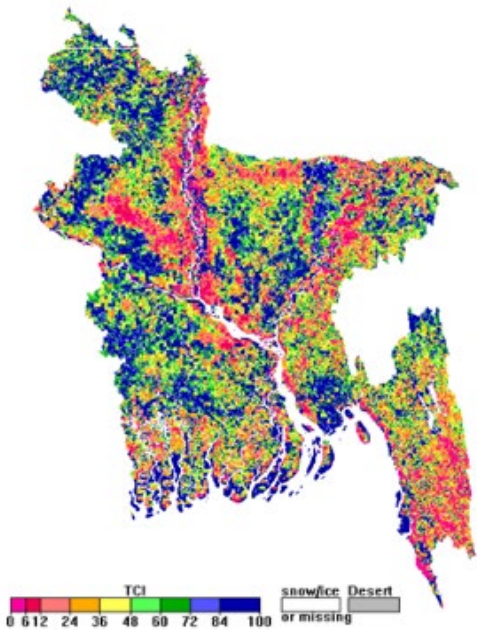
NOAA/VIIRS BLENDED NDVI composite for the week. No. 39 (24 September-30 September) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 39 (24 September-30 September) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 39 (24 September-30 September) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 39 (24 September-30 September) over Agricultural regions of Bangladesh

