



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**20 July 2022 (WEDNESDAY)  
[FOR THE PERIOD 20.07.2022 – 24.07.2022]**



#### 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

## **Special Agromet Advisories for CORONA virus (COVID-19) transmission in Bangladesh**

### **Agromet Advisories**

Farmers and all other farm managements are advised to follow the guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19). Precautions and safety measures should be taken up to prevent the Carona virus spread. Simple measures include social distancing, maintaining personal hygiene by washing hands with soap, wearing of face mask, drink hot water, stay at home and cleaning of implements and machinery. Farmers should not work in a group; consult with a doctor in case of any symptom. Please stay at home does not visit the field until it is very necessary.

### **Salient Weather Conditions & Forecast**

As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours' light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Mymensingh, Dhaka, Barishal, Chattogram & Sylhet divisions and at a few places over Rajshahi & Khulna divisions with moderately heavy to heavy falls at places over the country. Mild heat wave is sweeping over the districts of Rajshahi, Pabna, Rangpur, Dinajpur & Nilphamari and it may abate from some places. Day and night temperature may fall slightly over the country. As per the outlook issued by BMD for next 72 hours rainfall activity is likely to continue. During last four days, light to heavy rainfall occurred many of the districts over the country and as per the quantitative medium range weather forecast; there is a possibility of rainfall most of the districts in the country during next five days. Detail Agromet advisory are given below.

#### **Aus Paddy**

- Drain out excess water from the land and maintain the required water level.
- Stop irrigation, fertilizer and pesticide application for now.
- Monitor the field regularly to prevent disease attack. Take action as needed.

#### **Aman Paddy**

- Drain out excess water from the land and maintain the required water level.
- Stop irrigation, fertilizer and pesticide application for now.
- Keep seed beds free from weeds.

#### **Vegetables:**

- Drain out excess water from the land.
- Stop irrigation, fertilizer and pesticide application for now.
- Be careful not to get damaged by gusty wind. Plant a new garden during the monsoon season
- Sow seeds of gourd, pumpkin, cucumber, sponge gourd, gourd after rain.

- If the root of the balsam apple flower rots, take necessary measures.
- Collect winter vegetable seeds.

### **Horticulture Crops**

- Drain out excess water from the land.
- Stop irrigation, fertilizer and pesticide application for now.
- Mango orchards should be inter-maintained.
- Make holes for planting mango, guava and coconut.
- Plant banana trees and inter-care in the garden.
- Provide mechanical support to banana to prevent them from falling down due to strong winds.

### **Jute:**

- Drain out excess water from the land.
- Stop irrigation, fertilizer and pesticide application for now.
- If there is water logging in the jute land and it is not likely to be drained within 2/3 days, in that case, cut the cuttable jute as soon as possible and soak it in water.
- Rainwater can be captured and used for jute composting.
- Monitor the field regularly to prevent attack of root rot, stem rot and other pests.
- Keep seed beds free from weeds.
- Before flowering (120 days after sowing), jute cutting and rating operations should be completed.

### **Livestock**

- Livestock may be affected by foot and mouth disease due to rainy weather. Following measures may be taken up.
- Feed them only dry food.
- Keep the shed clean and dry.
- Disinfect the shed with bleaching powder.
- Don't allow to graze the cattle in submerged field.
- If wound found at foot and mouth wash the wound with potassium per manganate solution.
- Vaccinate livestock regularly.
- If any disease symptoms appear, seek veterinary doctor advice immediately for proper treatment.

### **Poultry**

- Apply lime bleaching powder and copper sulphet solution spray before placing them in farm
- Provide vaccinations as advised by the doctor.

- Apply dry food and clean tap water for drinking purpose.
- Prevailing hot and humid weather condition may lead to gastrointestinal parasites infection to the poultry. Clean sanitary conditions of poultry sheds are very much important

### **Fishery**

- Repair damaged dykes of fisheries ponds and take care so that fishes do not escape.
- Drain excess water from the pond.
- There is enough water, so release the fry into the pond.
- Remove the unwanted fishes before leaving the new fry into the pond.
- Contact the local fisheries office for any advice.

## Realized Weather at different locations in the country

**Rainfall for last 24 hours (till 06 AM on 20 July 2022) and maximum temperature on 20 July and minimum temperature on 19 July 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	02	34.4	28.4	Rajshahi	Rajshahi	07	<b>38.0</b>	27.5	
	Tangail	00	34.3	27.8		Ishurdi	00	36.0	27.8	
	Faridpur	09	33.3	27.4		Bogura	00	34.9	28.2	
	Madaripur	02	33.8	27.0		Badalgachhi	00	35.0	27.4	
	Gopalganj	02	33.6	27.7		Tarash	02	35.0	28.0	
	Nikli	05	34.5	26.6						
Mymensingh	Mymensingh	04	33.2	27.6	Rangpur	Rangpur	02	36.0	27.8	
	Netrokona	00	33.0	26.9		Dinajpur	06	36.2	28.0	
						Sayedpur	01	37.8	28.2	
						Tetulia	29	32.0	25.5	
Chattogram	Chattogram	65	34.0	26.0	Dimla	Dimla	11	32.2	25.8	
	Sandwip	25	32.6	<u>24.2</u>		Rajarhat	00	34.4	27.2	
	Sitakunda	37	33.0	25.0						
	Rangamati	06	33.0	25.0		Khulna	Khulna	03	33.4	28.4
	Cumilla	Trace	33.0	26.4	Mongla		06	33.8	27.8	
	Chandpur	00	34.4	27.0	Satkhira		09	33.6	28.0	
	M.Court	Trace	34.0	27.2	Jashore		05	34.2	26.1	
	Feni	<b>80</b>	33.0	25.0	Chuadanga		02	35.5	27.3	
	Hatiya	35	32.6	26.0	Kumarkhali		03	34.0	27.0	
	Cox's Bazar	05	32.8	26.4	Barishal	Barishal	07	33.2	27.4	
Kutubdia	39	33.1	26.5	Patuakhali		35	33.4	27.4		
Teknaf	01	32.8	27.5	Khepupara		06	33.3	27.6		
				Bhola		12	33.2	26.6		
Sylhet	Sylhet	13	32.0	25.7						
	Srimangal	09	34.3	26.5						

### Highlights:

- Country average bright sunshine hour was 8.90 hours per day during last week.
- Country average free water loss during the previous week was 4.60 mm per day.

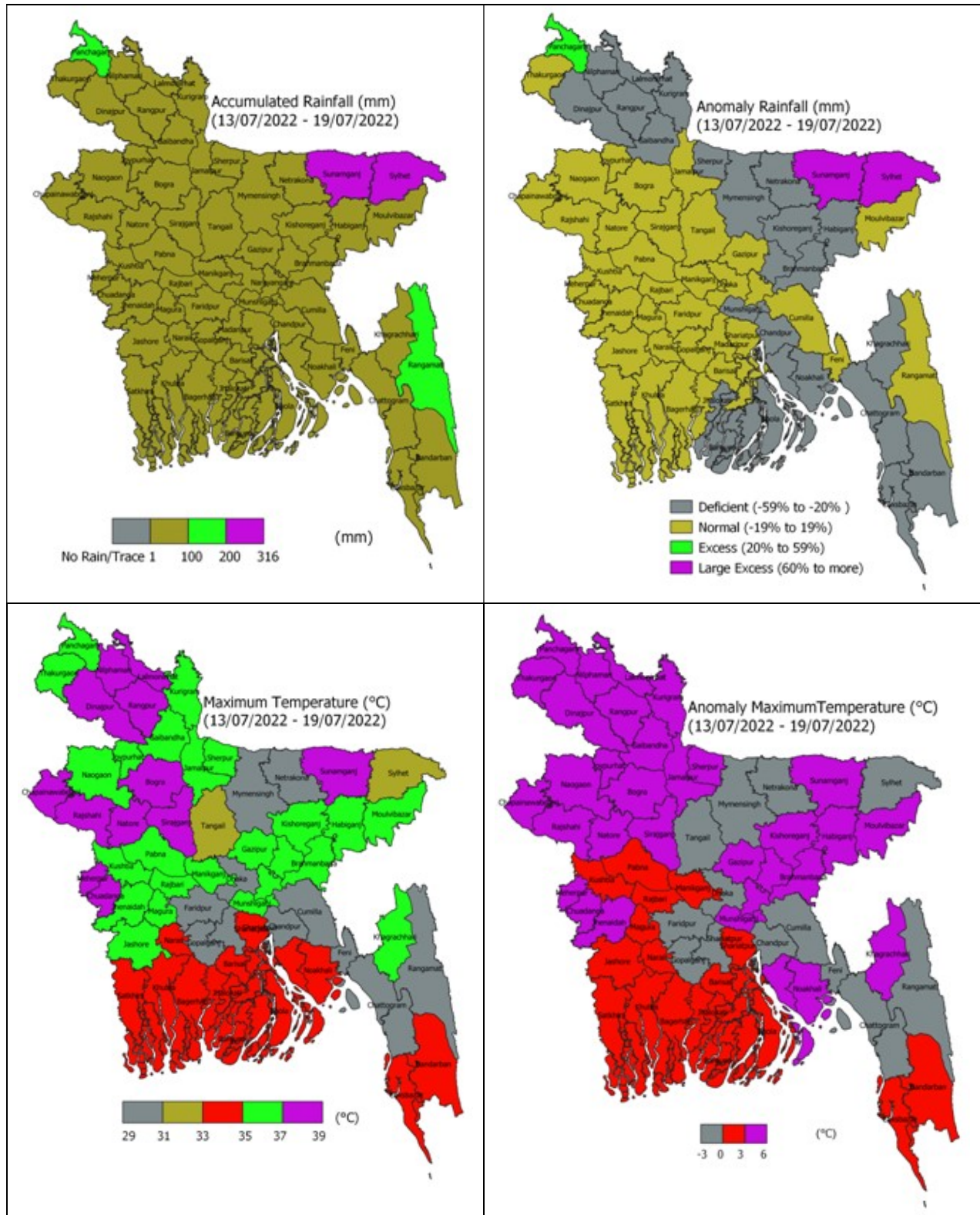
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

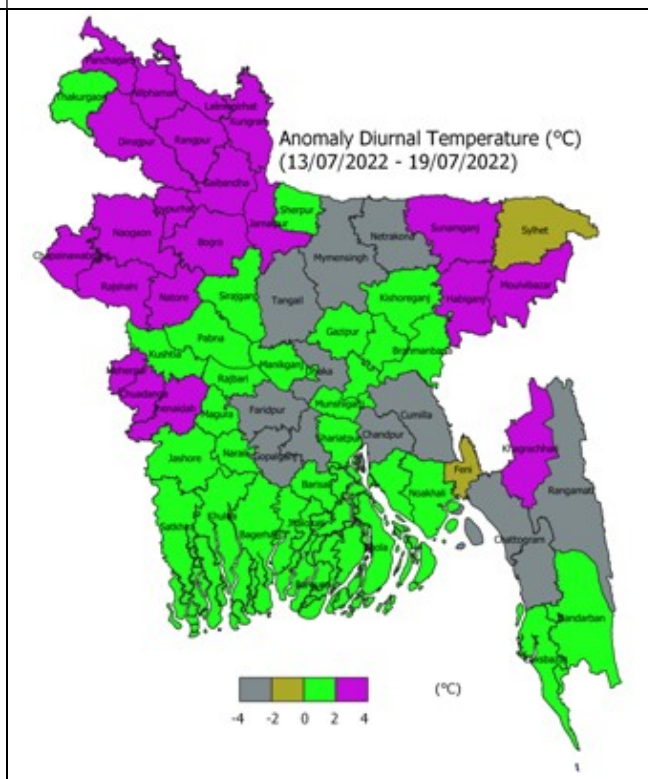
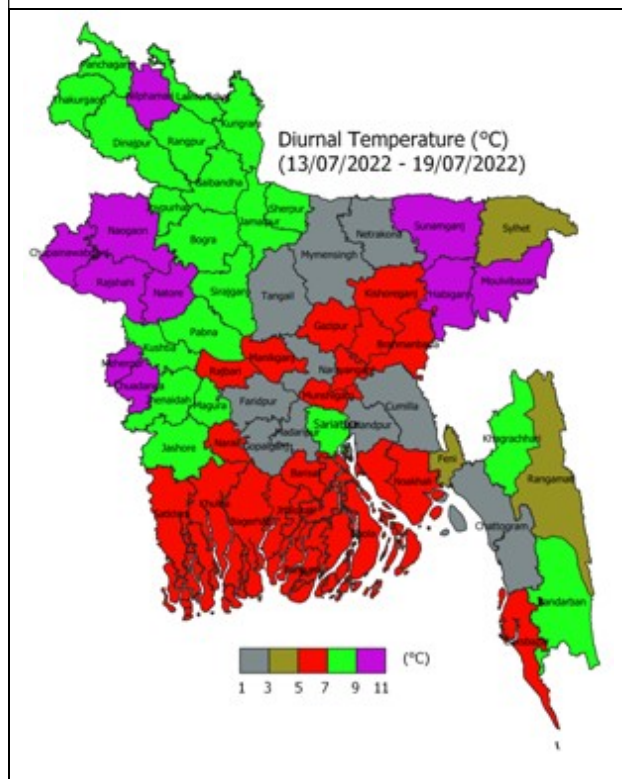
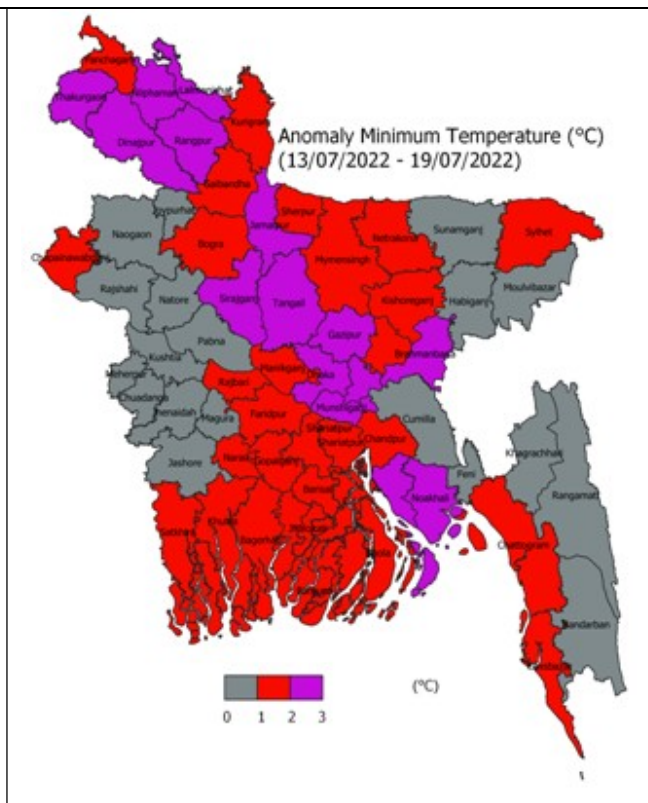
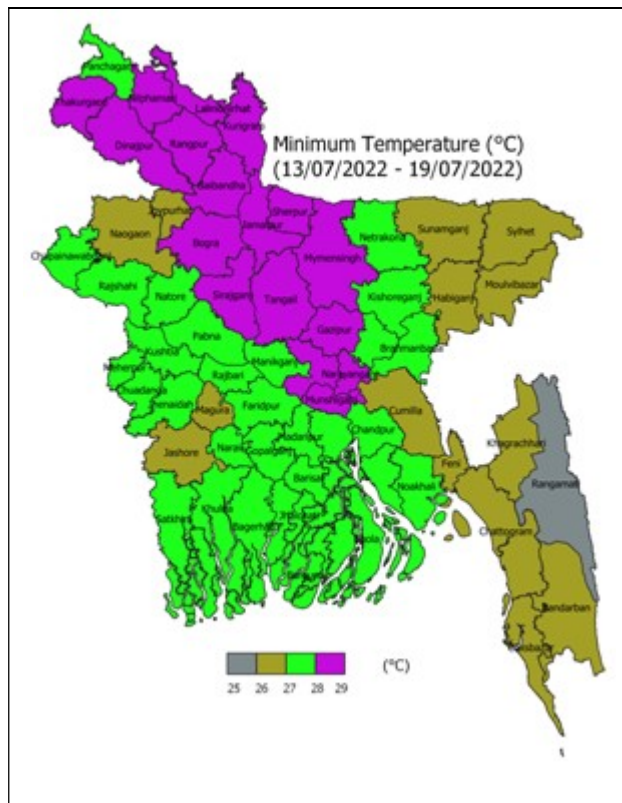
**Forecast:** Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Mymensingh, Dhaka, Barishal, Chattogram & Sylhet divisions and at a few places over Rajshahi & Khulna divisions with moderately heavy to heavy falls at places over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

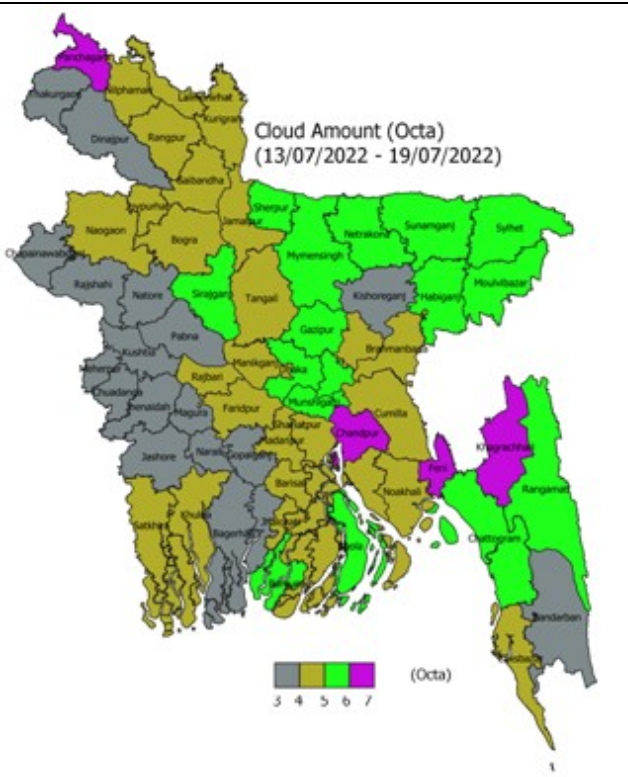
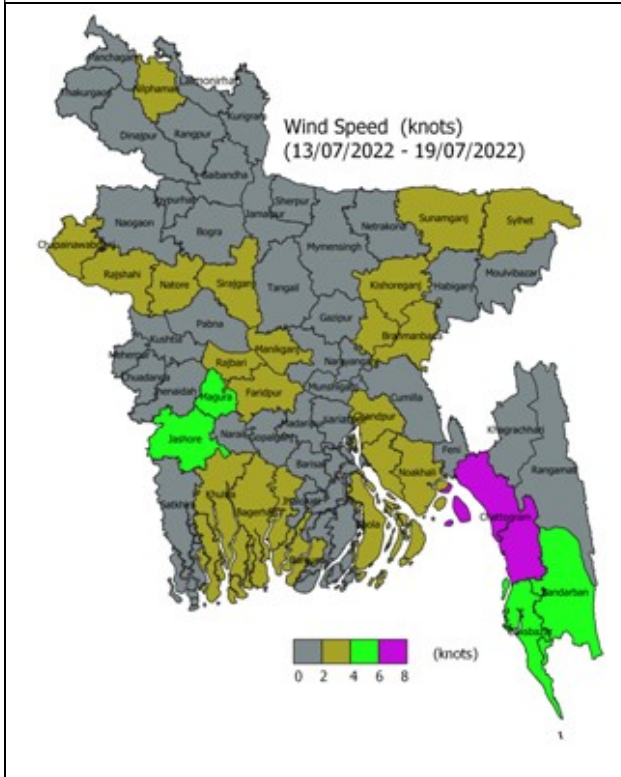
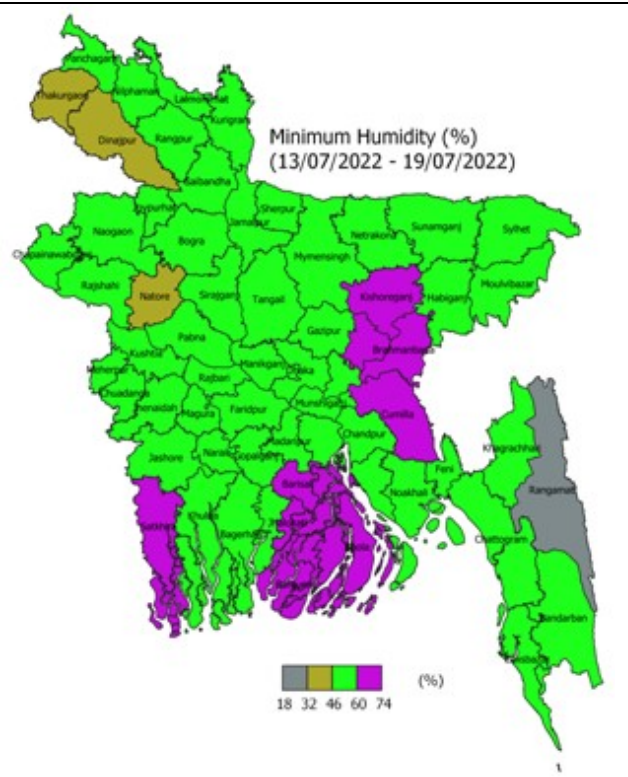
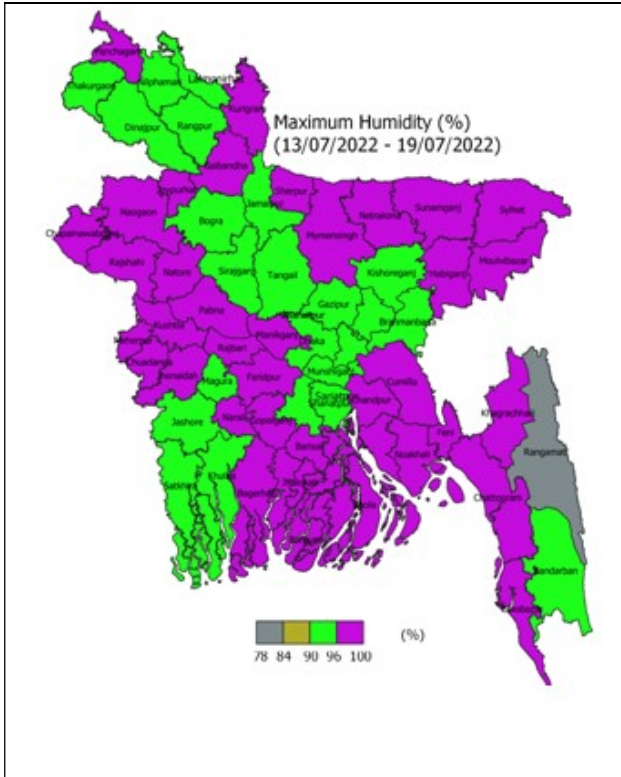
**Heat wave:** Mild heat wave is sweeping over the districts of Rajshahi, Pabna, Rangpur, Dinajpur & Nilphamari and it may abate from some places.

**Temperature:** Day and night temperature may fall slightly over the country.

## Spatial Distribution of weather parameters for the Week ending 19 July 2022







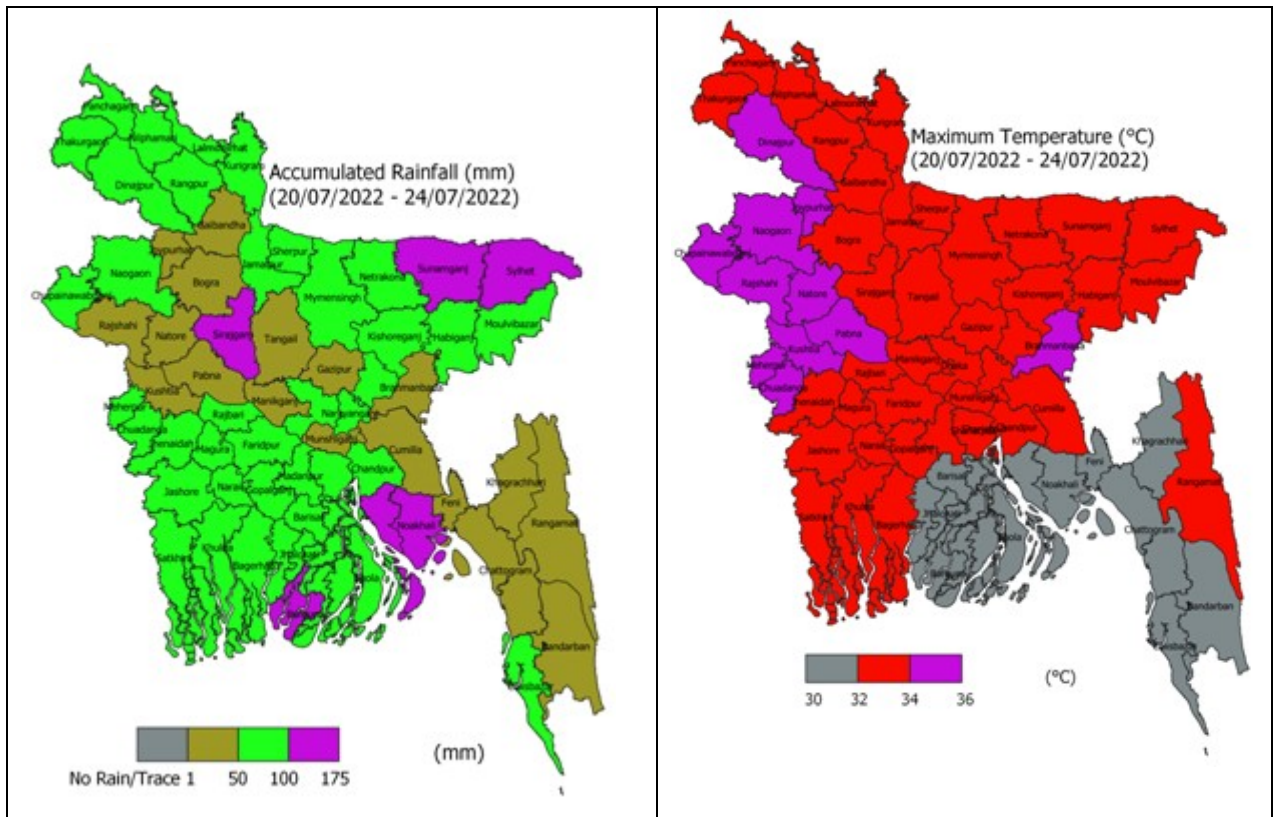


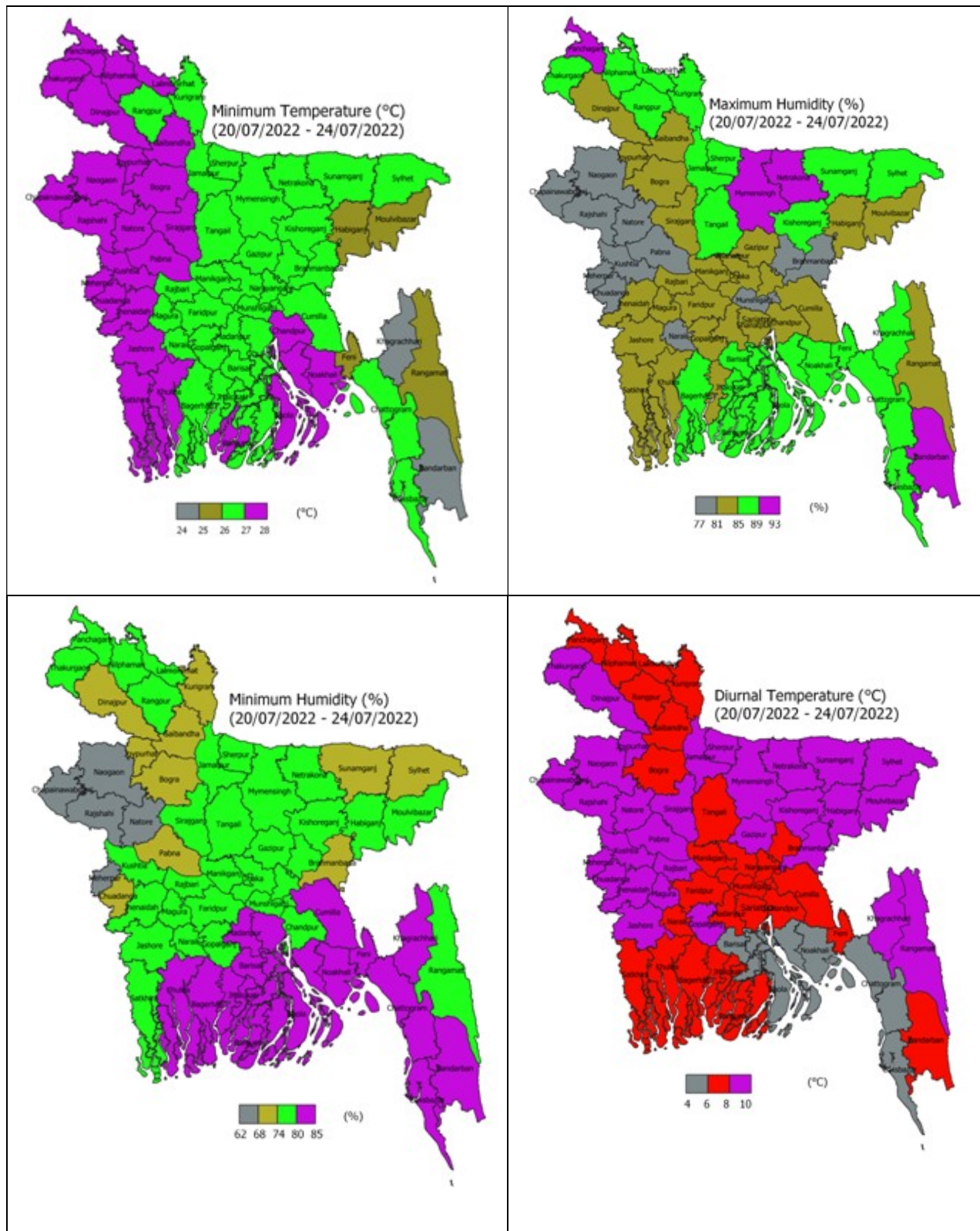
**Weather Forecast and Advisory for the Period of 17.07.2022 to 24.07.2022**

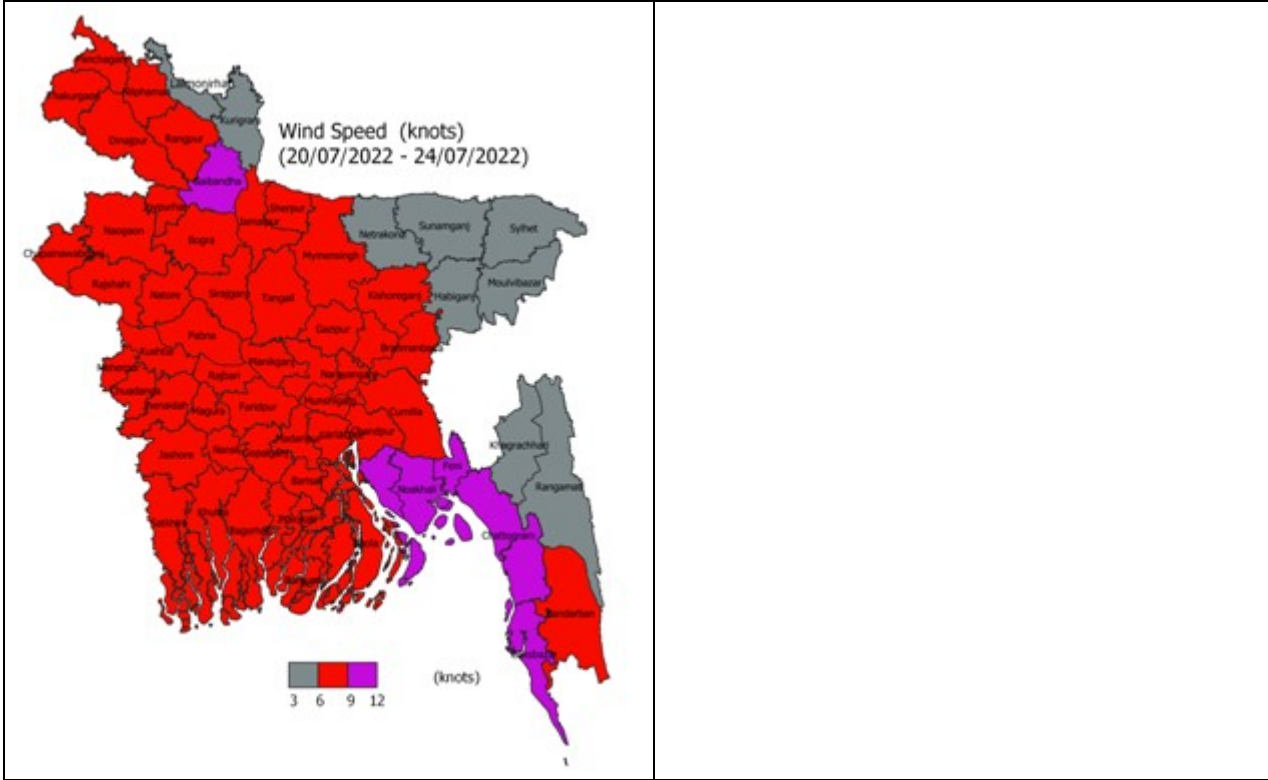
Bright sunshine hour is likely to be from 4.50 to 6.50 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Light (04-10 mm/day) to moderate (11-22 mm/day) rain /thunder showers accompanied by temporary gusty/squally wind with lightning flashes is likely to occur at most places (76%-100% area) over Sylhet, Mymensingh, Khulna, Barishal & Chattogram divisions with heavy (44-88 mm/day) to very heavy falls (>88 mm/day) at isolated places and at many places (50%-75% area) over Dhaka, Rangpur & Rajshahi divisions with moderately heavy (23-43 mm/day) to heavy falls (44-88 mm/day) at isolated places.
- Day and night temperature may fall by (1-3) °c over the country during the period.

**District Wise Quantitative Weather Forecast for next Five days from 20 July-24 July 2022**

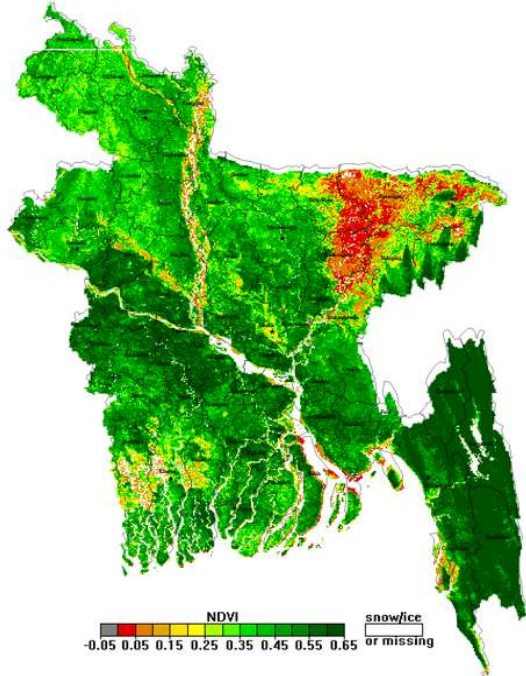




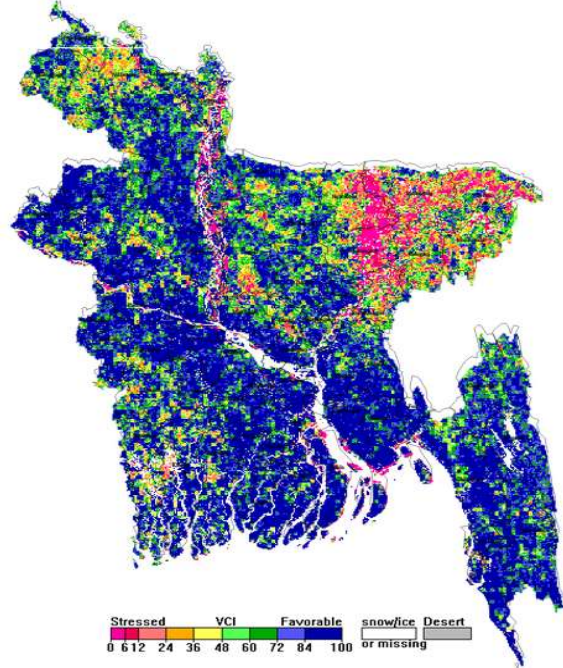


## Different Satellite Products over Bangladesh

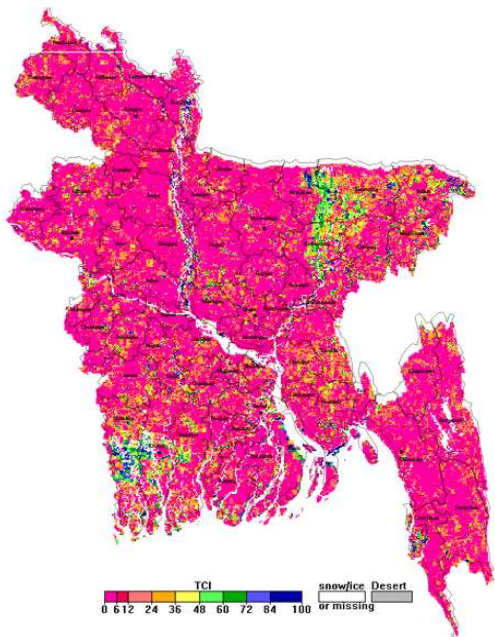
NOAA/VIIRS BLENDED NDVI composite for the week. No. 28 (02 July-08 July) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 28 (02 July-08 July) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 28 (02 July-08 July) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 28 (02 July-08 July) over Agricultural regions of Bangladesh

