



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

28 April 2021 (WEDNESDAY)  
[FOR THE PERIOD 28.04.2021 – 02.05.2021]



## 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.

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## 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' Rain/thunder showers accompanied by temporary gusty wind is likely to occur at one or two places over Rangpur, Mymensingh & Sylhet divisions and the districts of Kishoreganj & Cumilla. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country. Mild to moderate heat wave is sweeping over Dhaka, Sylhet, Rangpur, Khulna & Barishal divisions and the regions of Sitakunda, Rangamati, Cumilla, M-court, Feni, Rajshahi and Pabna and it may abate from some part of the country. Day temperature may remain nearly unchanged and night temperature may rise slightly over the country. As per the outlook issued by BMD for next 72 hours' is rain/thunder showers is likely at the beginning period. During last four days, light to moderate rainfall occurred some places of the country and as per the quantitative medium range weather forecast; some of the districts of the country are likely to receive light to moderate rainfall in the next five days. Detail Agromet advisory are given below:

### **Boro paddy**

#### **Flowering to Harvesting stages**

- Maintain 2-3 inches standing water level of boro rice field from Panicle Initiation to Soft Dough.
- In case of bacterial leaf blight, stop application of urea fertilizer. In the initial stage of the disease, apply 60 gm MOP, 60 gm thiovit in 10 liters of water and apply on 5 decimal of the land. In case of disease before panicle initiation, 5 kg of potash fertilizer should be applied at top dressing per bigha.
- Neckblast disease may occur at this stage of boro paddy, so whether the disease is present in the paddy field or not, at the stage of Panicle Initiation, in 5 decimal of the land, 8 gm of Trooper / 6 gm of Nativo / Tricyclazole group approved fungicide should be mixed well in the afternoon in 10 liters of water for 5-7 days' intervals should be sprayed twice.

- At this time the land may be attacked by brown grasshoppers. Approved pesticides should be applied in prescribed doses in attack prone areas.
- To protect from kalbaishakhi storm and hail damage, cut and thresh as soon as 80% of the grains are mature.

### **Vegetables**

- Prepare the land for transplanting kharif vegetable.
- To protect the seedlings from disease, shade should be given for 3/4 days after transplanting.
- If there is lack of moisture in the soil, provide irrigation.
- Arrange for hand pollination of pumpkin vegetables. If beetles appear, kill them by hand in the morning and afternoon.
- In case of fly infestation in pumpkin, use pheromone and poison traps together. Pesticides of Alpha-Cypermethrin group can be used.

### **Horticultural crops**

- Fruit orchards need to be inter-cultural operation.
- Sumithion 50 EC of Phenitrothion group should be mixed with 1.12 ml per liter of water and sprayed in the last afternoon to control flies the time of fruit maturity in mango tree. Spraying of all types of pesticides should be stopped 15-20 days before fruit collection.
- At this time soft rot disease of jackfruit may occur. Apply approved pesticides.
- Provide irrigation as requirement.

### **Livestock**

- Cattle should be fed with hay, raw grass and hand-made granular feed. Preserve paddy straw properly now.
- Vaccinate the cattle to prevent disease.
- Keep the cattle house dry and clean. Use mosquito nets or earthenware pots coils at room.
- Keep cattle safe place from lightning and rain.

### **Poultry**

- Vaccinate the chickens regularly to prevent disease.
- Keep the poultry house dry and clean. Use mosquito nets or earthenware pots coils at room.

### **Fishery**

- Now is the right time to stock fish. Prepare the pond.
- Catch all the old fish by drying the pond or applying Rotenon (25 g / decimal / ft). After 2/3 days apply 1 kg lime per decimal

- Apply fertilizer (200 g urea per decimal, 100 g TSP) and 3/4 days after lime application.
- 3/4 days after application of fertilizer, if the water color is green, store the layer-based fish fry

## Realized Weather at different locations in the country

Rainfall for last 24 hours (till 09 AM on 28 April 2021) and maximum temperature on 27 April and minimum temperature on 28 April 2021 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	38.0	27.6	Rajshahi	Rajshahi	00	38.3	26.9
	Tangail	00	36.2	26.0		Ishurdi	00	36.6	26.7
	Faridpur	00	36.7	26.4		Bogura	00	34.7	27.2
	Madaripur	00	37.5	26.4		Badalgachhi	00	35.0	26.0
	Gopalganj	00	37.3	26.0		Tarash	00	34.9	26.3
	Nikli	00	36.3	26.5					
Mymensingh	Mymensingh	00	35.3	26.5	Rangpur	Rangpur	00	36.4	26.0
	Netrokona	00	35.2	24.4		Dinajpur	00	36.1	26.0
						Sayedpur	00	36.0	25.5
Chattogram	Chattogram	00	34.0	26.5		Tetulia	00	36.6	24.6
	Sandwip	00	34.6	26.0		Dimla	00	36.2	24.7
	Sitakunda	00	36.0	xx		Rajarhat	00	36.3	24.2
	Rangamati	00	37.5	25.0	Khulna	Khulna	00	37.2	27.0
	Cumilla	00	36.7	25.8		Mongla	00	37.2	26.8
	Chandpur	00	36.5	27.5		Satkhira	00	36.3	27.0
	M.Court	00	37.4	26.4		Jashore	00	38.0	26.4
	Feni	00	37.5	26.0		Chuadanga	00	37.2	26.3
	Hatiya	00	36.7	25.2		Kumarkhali	00	36.0	27.0
	Cox's Bazar	00	33.7	26.2	Barishal	Barishal	00	37.3	25.7
Kutubdia	00	33.2	26.0	Patuakhali		00	37.2	25.0	
Teknaf	00	33.8	24.7	Khepupara		00	36.2	25.6	
				Bhola		00	36.3	26.0	
Sylhet	Sylhet	00	36.8	<u>22.7</u>					
	Srimangal	00	<u>38.5</u>	25.0					

### Highlights:

- Country average bright sunshine hour was 7.30 hours per day during last week.
- Country average free water loss during the previous week was 5.50 mm per day.

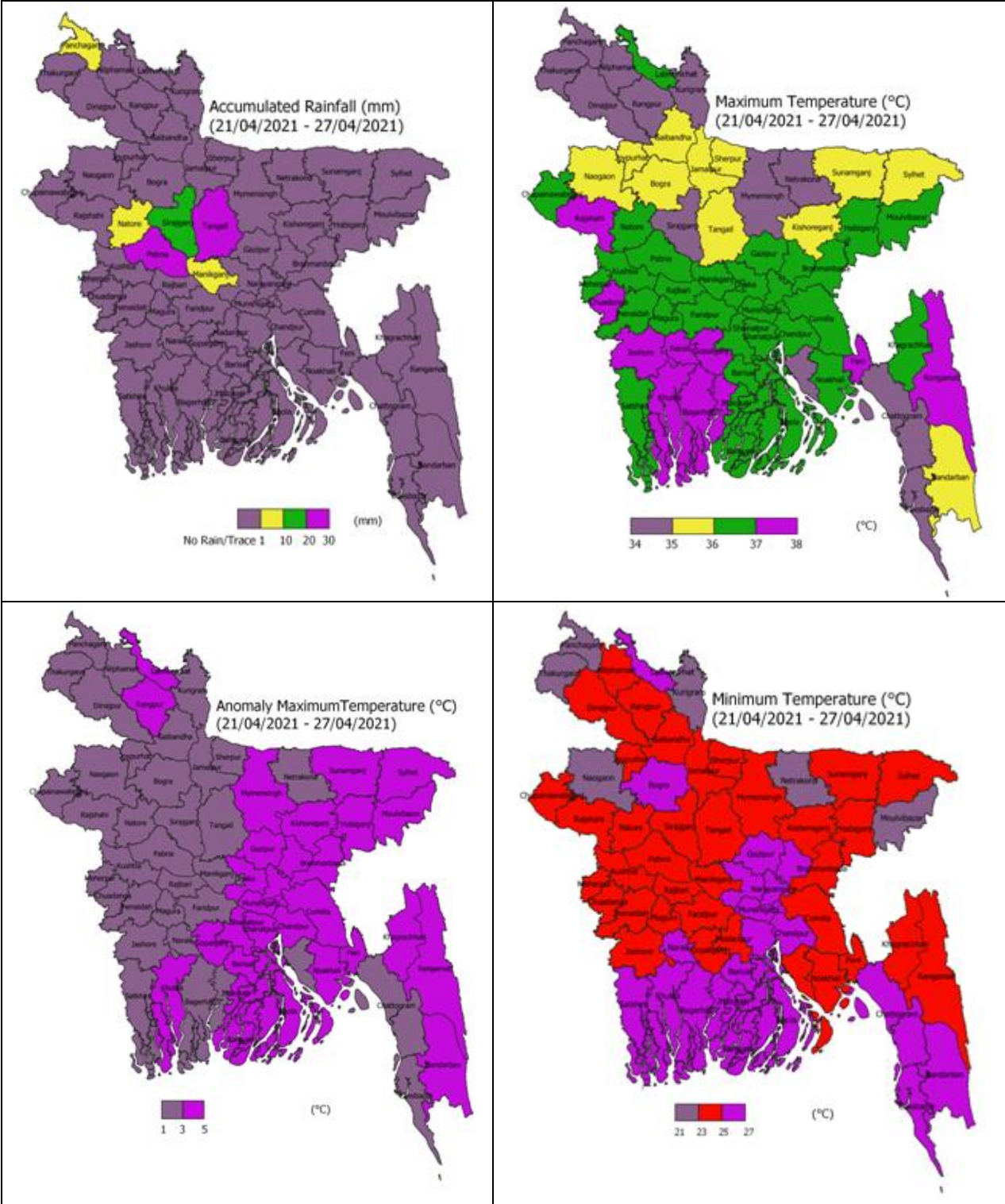
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

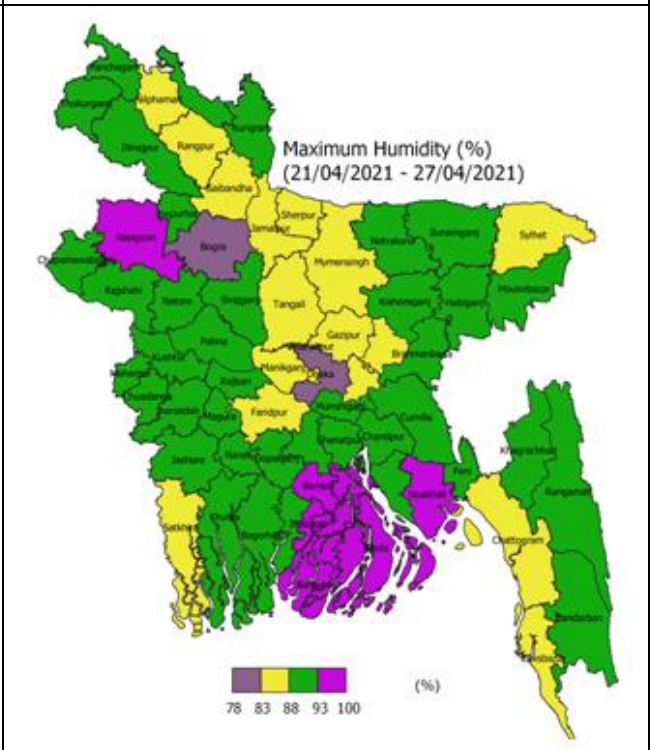
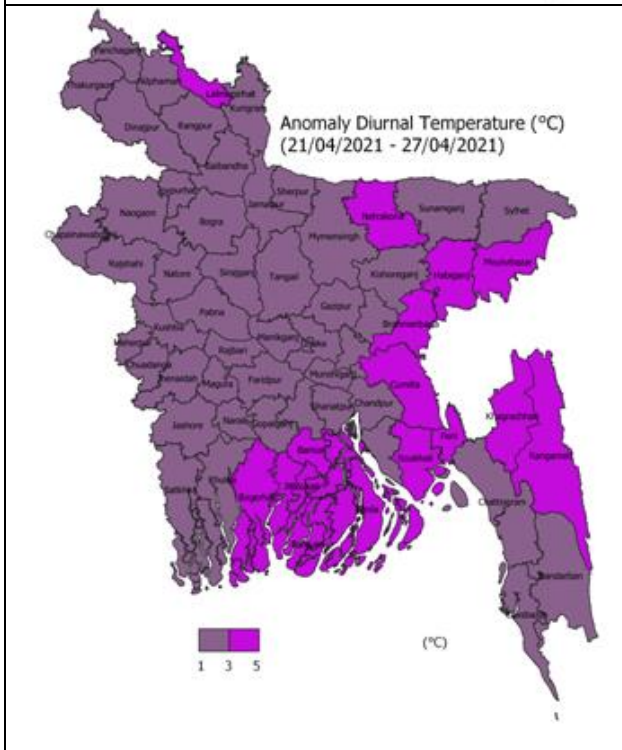
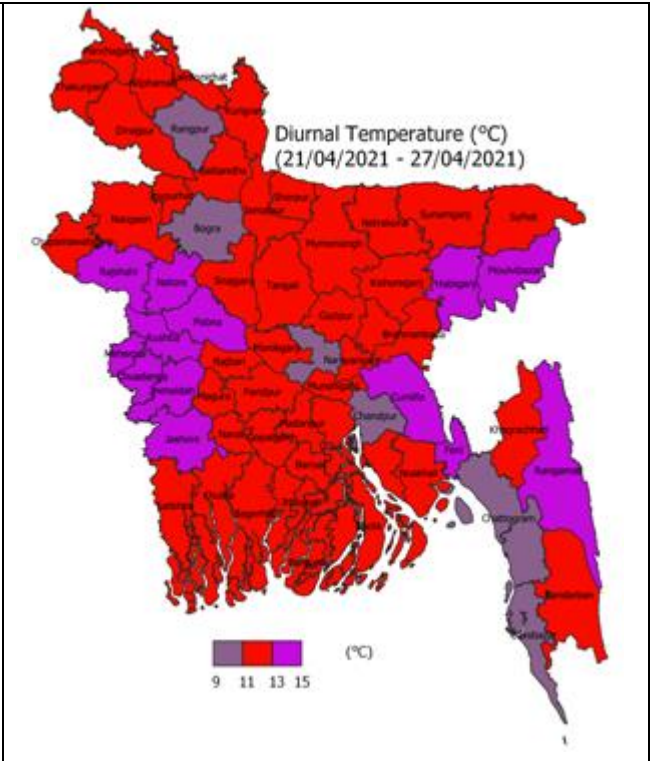
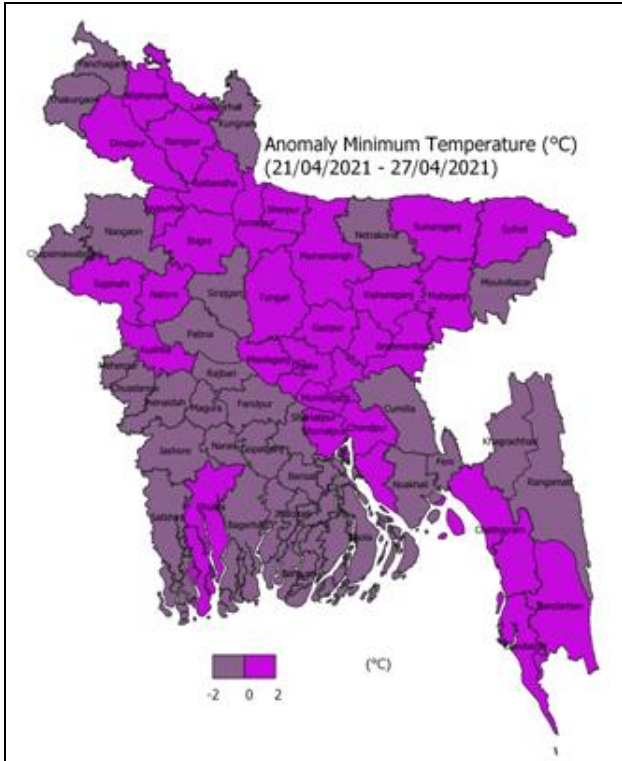
**Forecast:** Rain/thunder showers accompanied by temporary gusty wind are likely to occur at one or two places over Rangpur, Mymensingh & Sylhet divisions and the districts of Kishoreganj & Cumilla. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

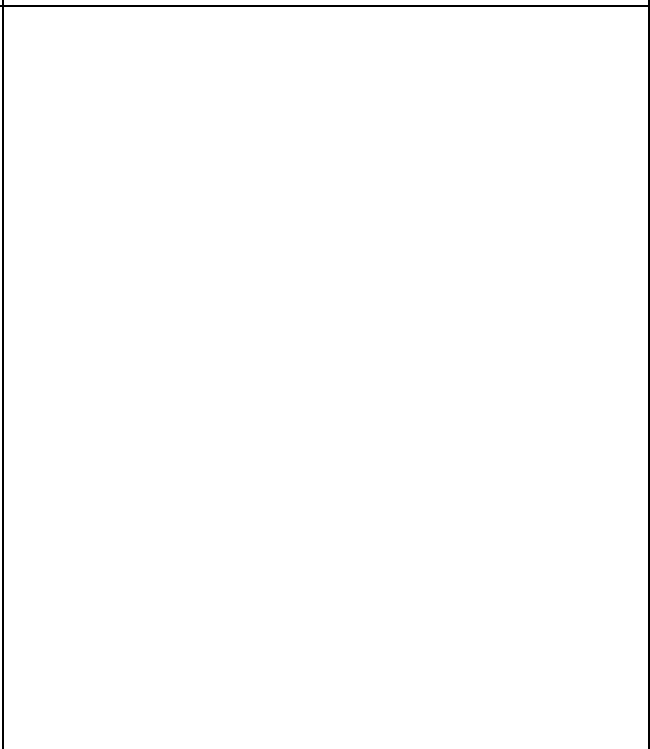
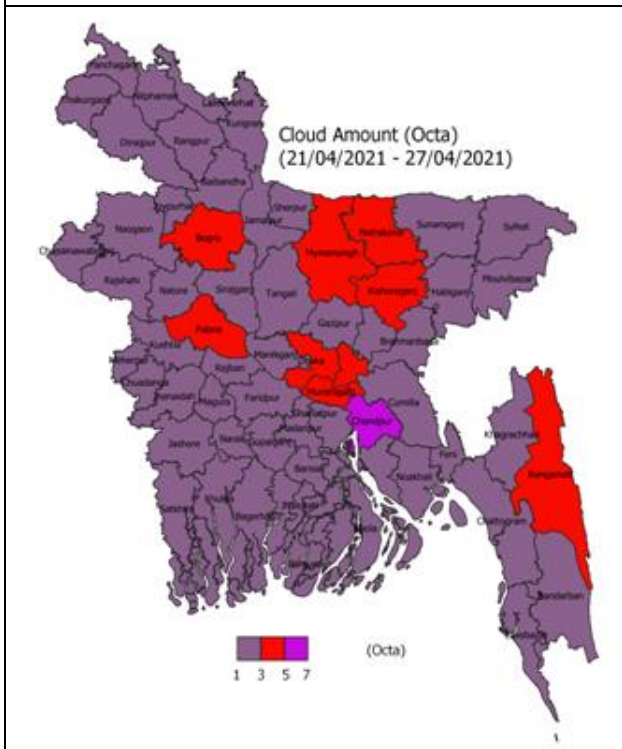
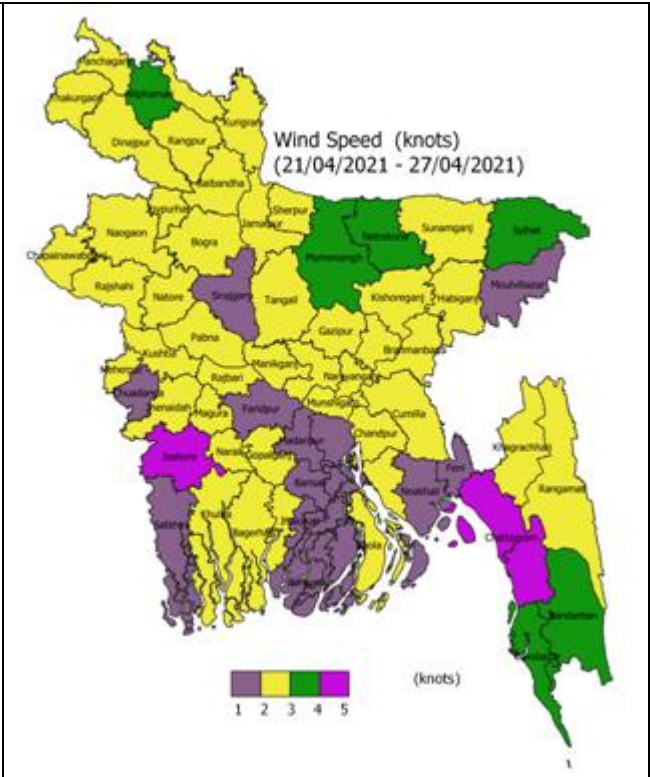
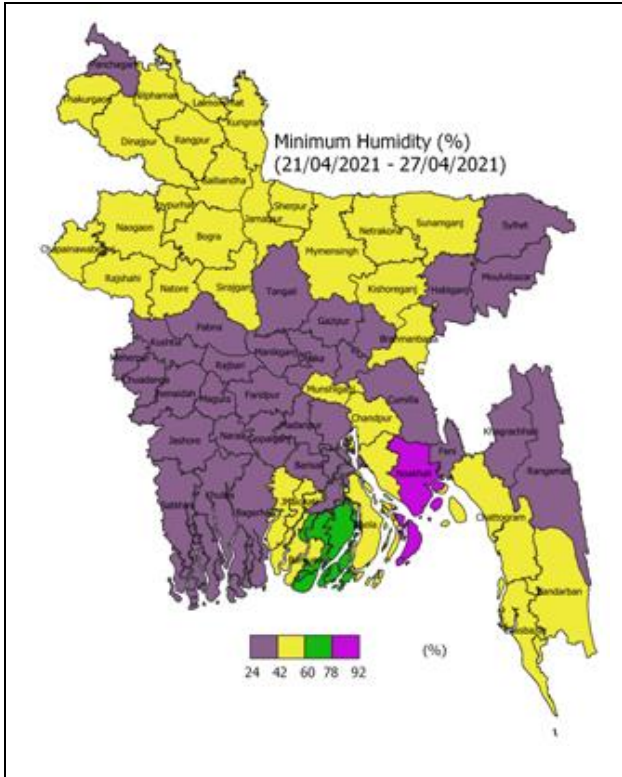
**Heat wave:** Mild to moderate heat wave is sweeping over Dhaka, Sylhet, Rangpur, Khulna & Barishal divisions and the regions of Sitakunda, Rangamati, Cumilla, M-court, Feni, Rajshahi and Pabna and it may abate from some part of the country.

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

Spatial Distribution of weather parameters for the Week ending 27 April 2021







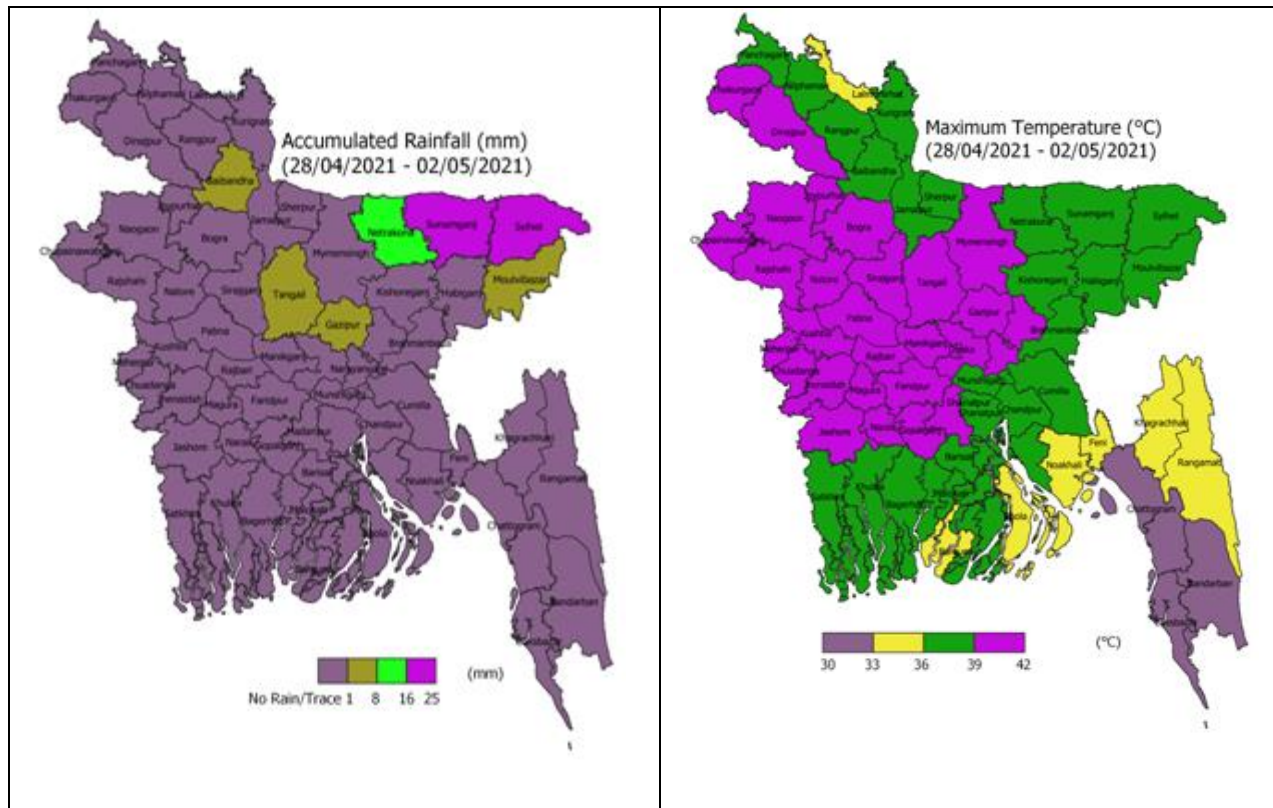


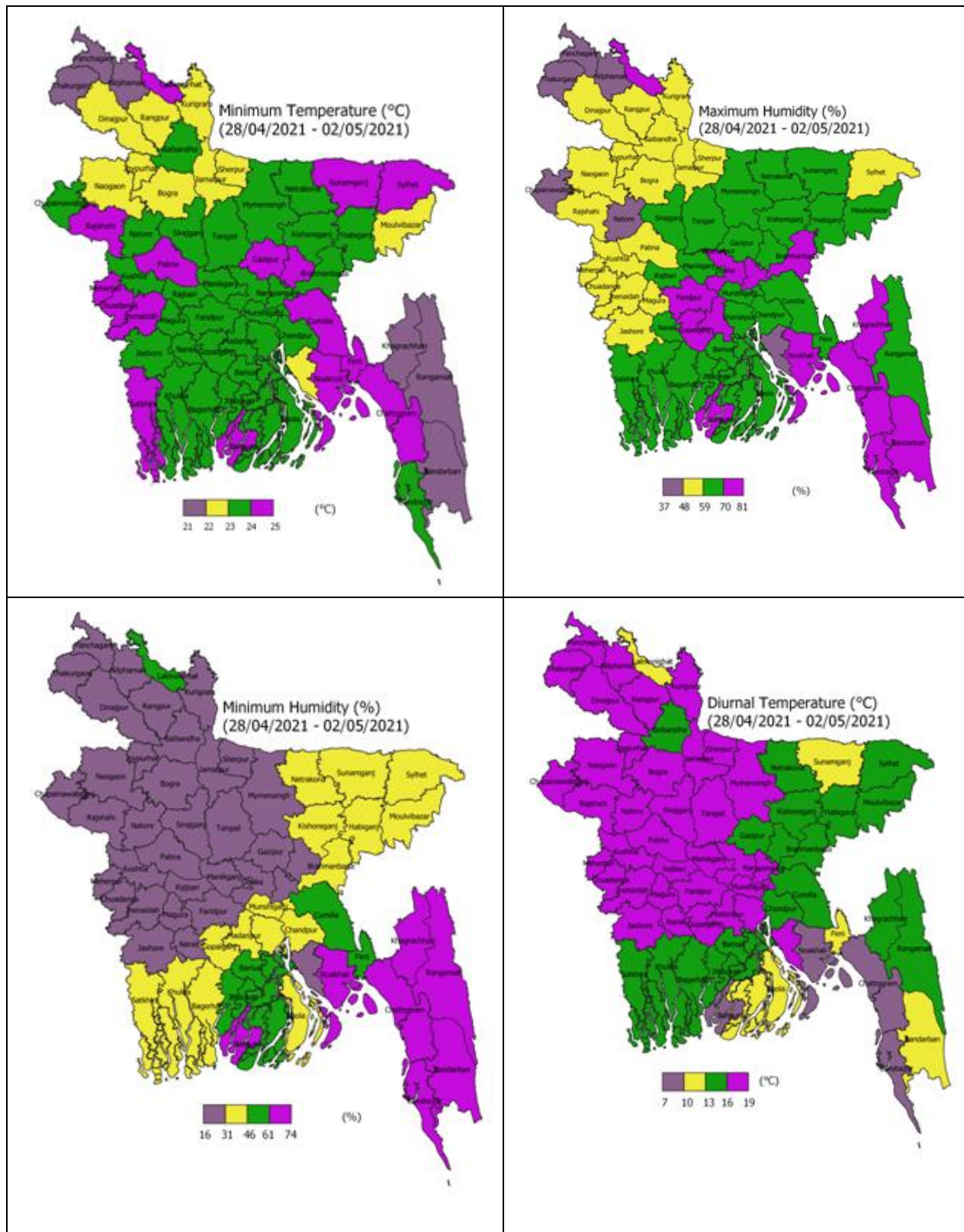
### Weather Forecast and Advisory for the Period of 22.04.2021 to 01.05.2021

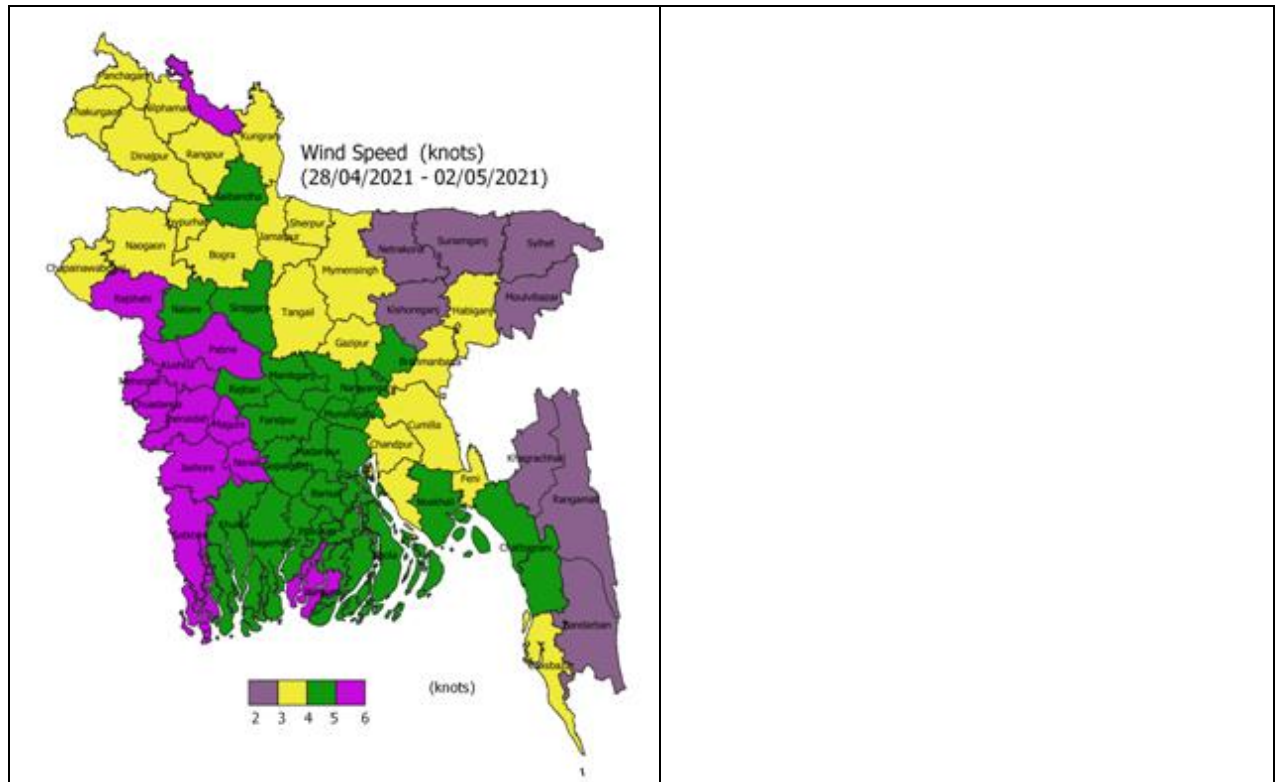
Bright sunshine hour is likely to be from 6.00 to 7.00 hours per day during this week. Average free water loss is likely to be from 3.75 to 4.75 mm per day during this week.

- Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places over Rajshahi, Rangpur, Dhaka, Mymensingh and Sylhet divisions and at one or two over Khulna, Barisal and Chattogram divisions with isolated hail at places during the first half of the period.
- Weather may remain mainly dry with temporary partly cloudy sky over the country having chances of rain/thunder showers accompanied by temporary gusty wind is likely to occur at one or two places over Dhaka, Mymensingh, Sylhet, Barisal and Chattogram divisions during the second half of the period.
- Day and night temperature may fall slightly during the first half and may rise by 1-2°C over the country during the second half of the period.

### **District Wise Quantitative Weather Forecast for next Five days from 28 April-02 May 2021**

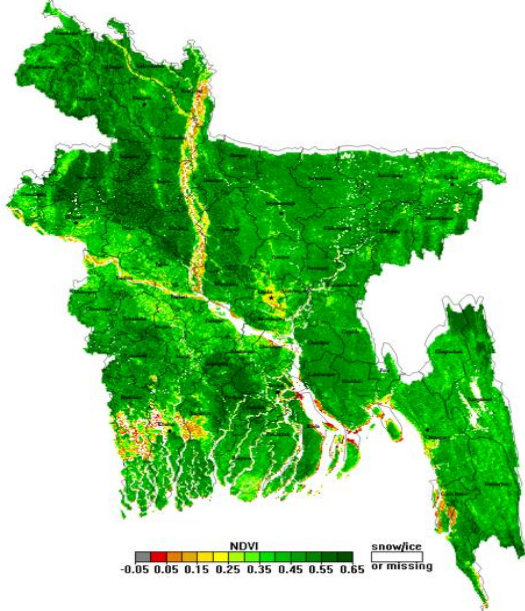




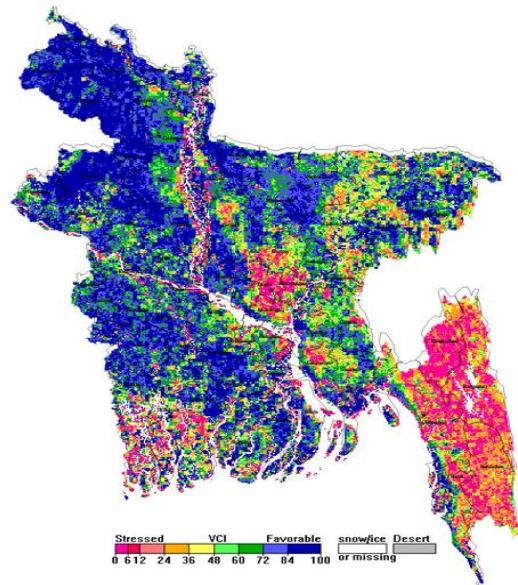


## Different Satellite Products over Bangladesh

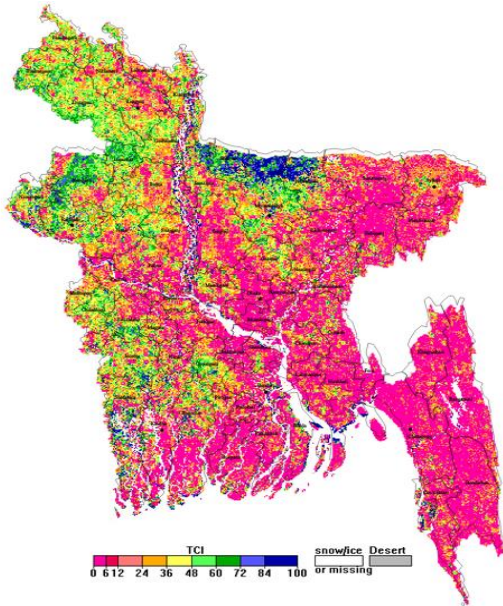
NOAA/VIIRS BLENDED NDVI composite for the week No. 15 (09 April-15 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 15 (09 April-15 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 15 (09 April-15 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 15 (09 April-15 April) over Agricultural regions of Bangladesh

