



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

19 May 2021 (WEDNESDAY)  
[FOR THE PERIOD 19.05.2021 – 23.05.2021]



## 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/squally wind is likely to occur at a few places over Dhaka, Mymensingh & Sylhet divisions and at one or two places over Rangpur, Rajshahi & Chattogram divisions and the regions of Jashore & Kushtia. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country. Mild to moderate heat wave is sweeping over Khulna & Barishal divisions and the regions of Faridpur, Madaripur, Gopalganj, Sitakunda, Rangamati, Cumilla, Chandpur, Feni, M.Court, Rajshahi, Pabna & Sirajganj and it may continue. Day and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' is no marked change. During last four days, light to heavy rainfall occurred most of the district of the country and as per the quantitative medium range weather forecast; most of the districts of the country are likely to receive light to heavy rainfall in the next five days. Detail Agromet advisory are given below:

### **Boro paddy**

#### **Ripening to Harvesting stages**

- Drain out water from crop field 15 days before harvesting.
- Continue harvesting the crops on non-rainy days. After the harvest, immediately keep it in safe and dry place for drying of grains.

#### **Jute:**

- Drain out water, if any, immediately from jute field
- At this time scorpion insect attack can be seen. In the first stage of attack, when the insects are grouped on the leaf, the leaf including the insect should be lifted and trampled, pressed in the hole or dipped in water mixed with kerosene.

## Vegetables

- In case of infestation of *eggplant* tip and fruit borer insects, cut and destroy the affected tip along with the insects. Insect reproduction is likely to be greatly reduced by using pheromone traps. Use spray of approval dose of insecticides, if necessary or recommended local organic insecticides may be used.
- 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.
- Drain out excess water from the land.
- Apply pesticides after current spell of rainfall.

## 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.
- Drain out excess water from the land.
- Apply pesticides after current spell of rainfall.

## 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 19 May 2021) and maximum temperature on 18 May and minimum temperature on 19 May 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	45	35.7	25.2	Rajshahi	Rajshahi	00	36.7	25.7
	Tangail	00	35.6	24.6		Ishurdi	02	37.2	25.8
	Faridpur	18	36.2	24.5		Bogura	00	34.6	26.6
	Madaripur	37	36.5	<u>23.0</u>		Badalgachhi	01	35.6	26.1
	Gopalganj	01	37.6	25.9		Tarash	00	36.0	25.5
	Nikli	<u>50</u>	35.0	25.0					
Mymensingh	Mymensingh	05	34.0	25.4	Rangpur	Rangpur	00	33.8	26.0
	Netrokona	21	31.5	25.0		Dinajpur	00	34.9	26.4
						Sayedpur	00	35.0	26.0
Chattogram	Chattogram	00	34.3	28.5		Tetulia	00	33.1	24.2
	Sandwip	00	34.1	27.2		Dimla	00	33.6	26.0
	Sitakunda	xx	36.5	xx		Rajarhat	00	33.0	24.0
	Rangamati	00	36.6	27.0	Khulna	Khulna	Trace	38.5	26.5
	Cumilla	02	36.0	27.0		Mongla	00	37.8	28.4
	Chandpur	02	36.4	26.8		Satkhira	00	38.0	27.0
	M.Court	00	36.7	27.0		Jashore	15	<u>39.0</u>	24.0
	Feni	00	37.2	27.6		Chuadanga	07	37.4	25.5
	Hatiya	00	35.7	26.8	Kumarkhali	00	36.7	25.5	
	Cox's Bazar	00	35.2	27.5					
Kutubdia	00	34.4	27.4	Barishal	Barishal	00	36.6	27.8	
Teknaf	00	35.3	27.3		Patuakhali	00	37.0	27.6	
					Khepupara	00	36.6	28.0	
Sylhet	Sylhet	45	26.4	24.5		Bhola	00	36.2	27.7
	Srimangal	Trace	35.2	24.7					

#### Highlights:

- Country average bright sunshine hour was 5.00 hours per day during last week.
- Country average free water loss during the previous week was 3.00 mm per day.

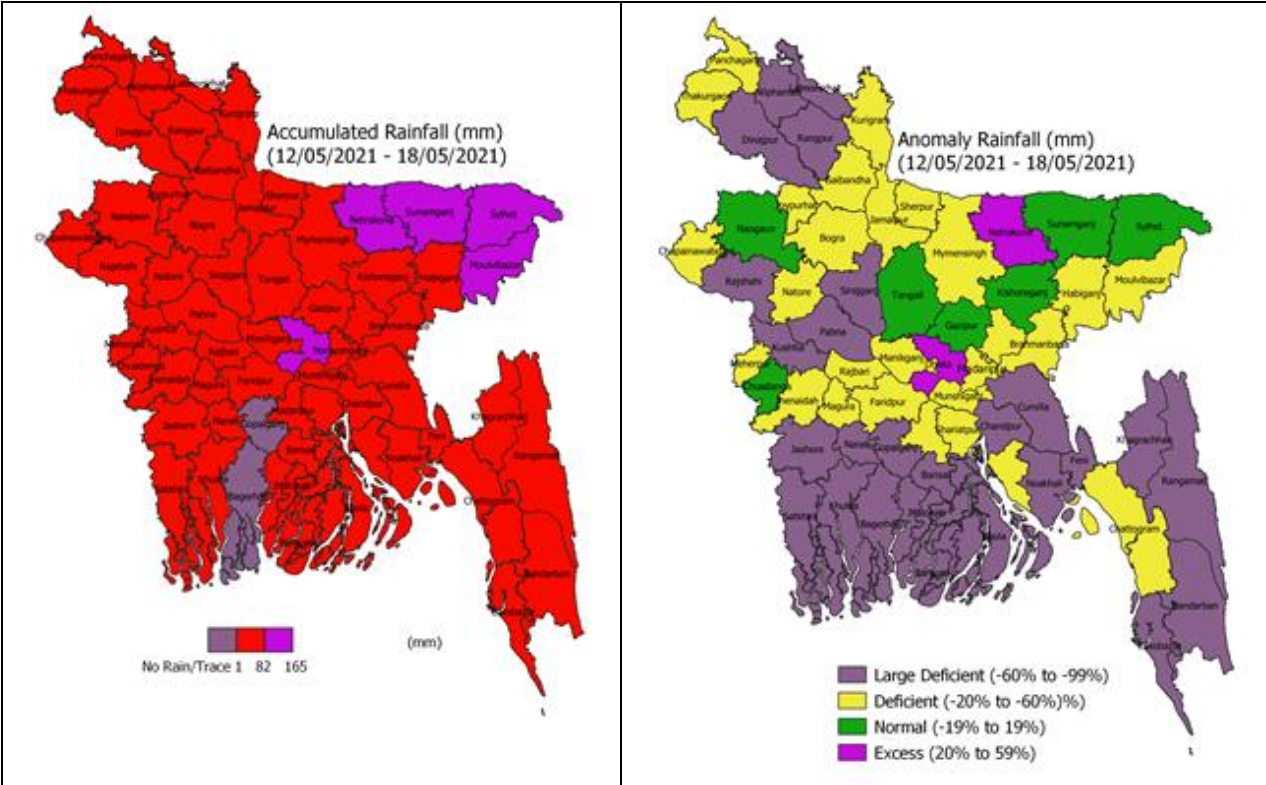
#### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

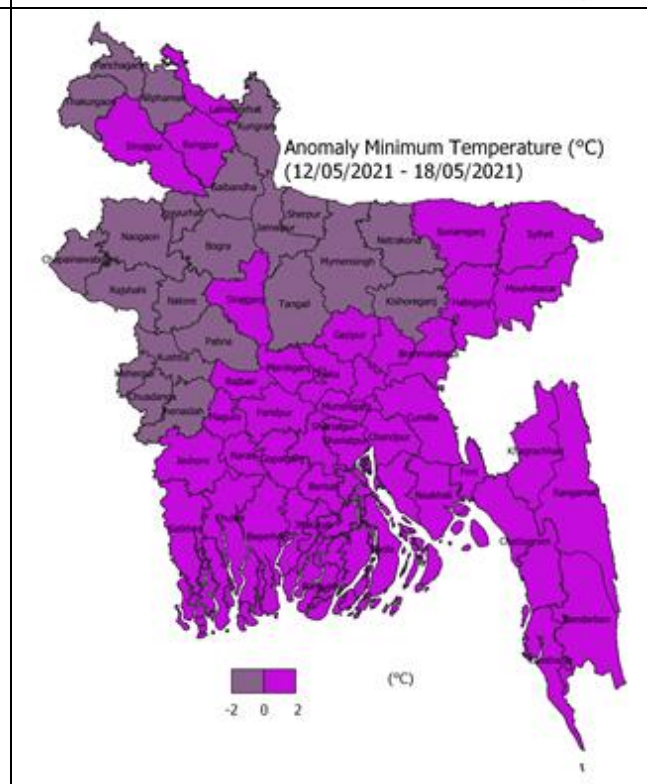
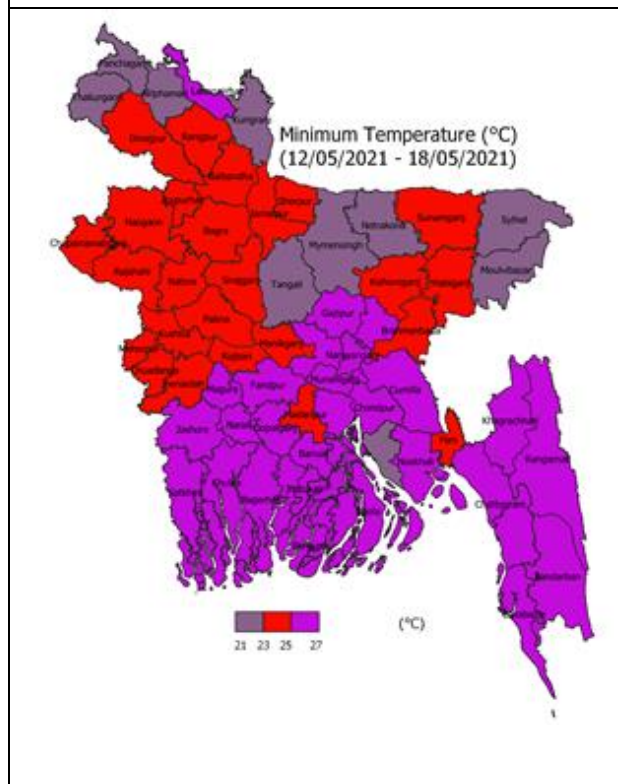
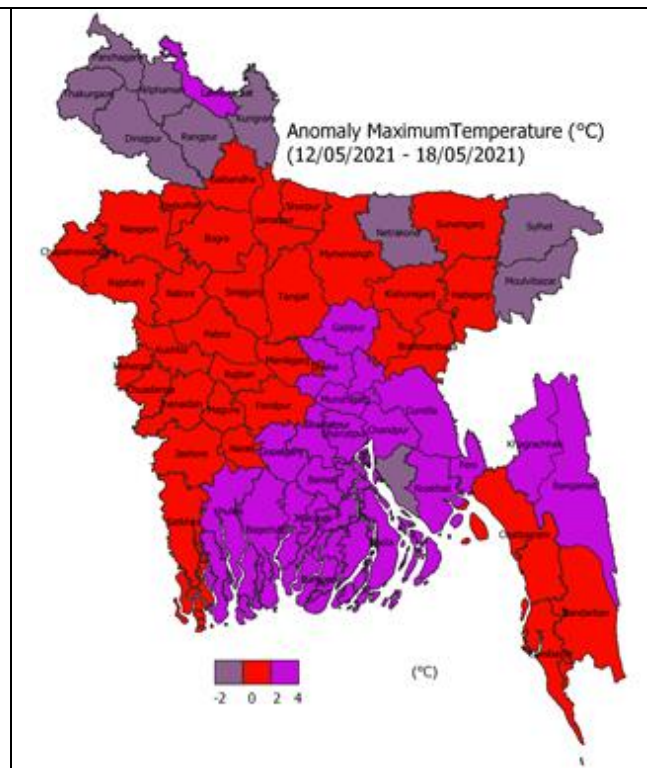
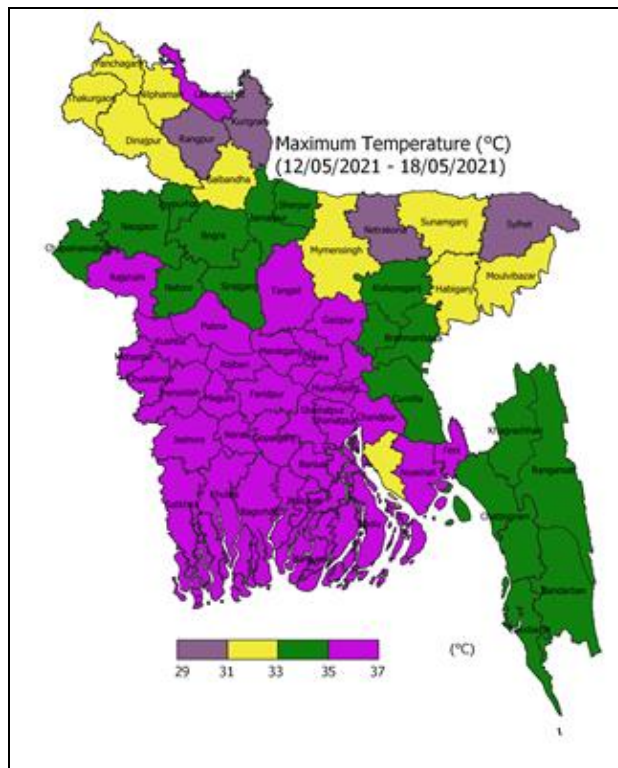
**Forecast:** Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places over Dhaka, Mymensingh & Sylhet divisions and at one or two places over Rangpur, Rajshahi & Chattogram divisions and the regions of Jashore & Kushtia. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

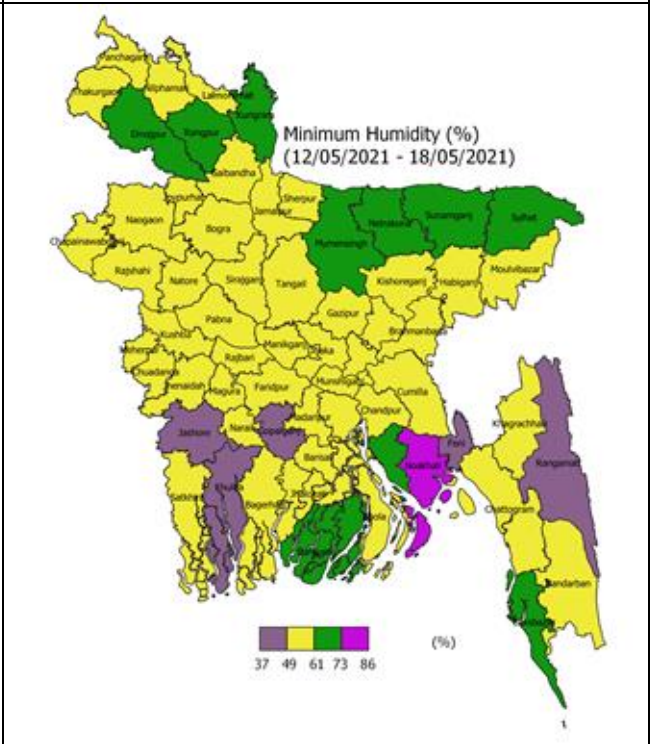
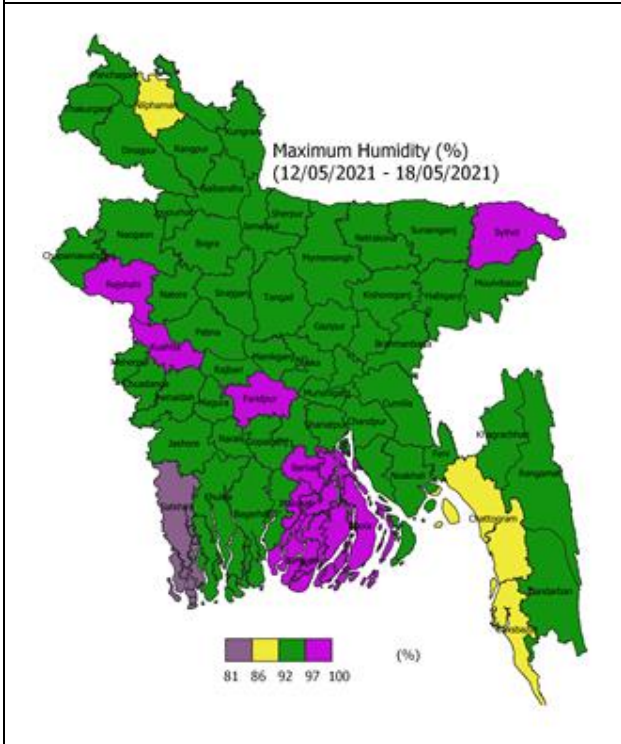
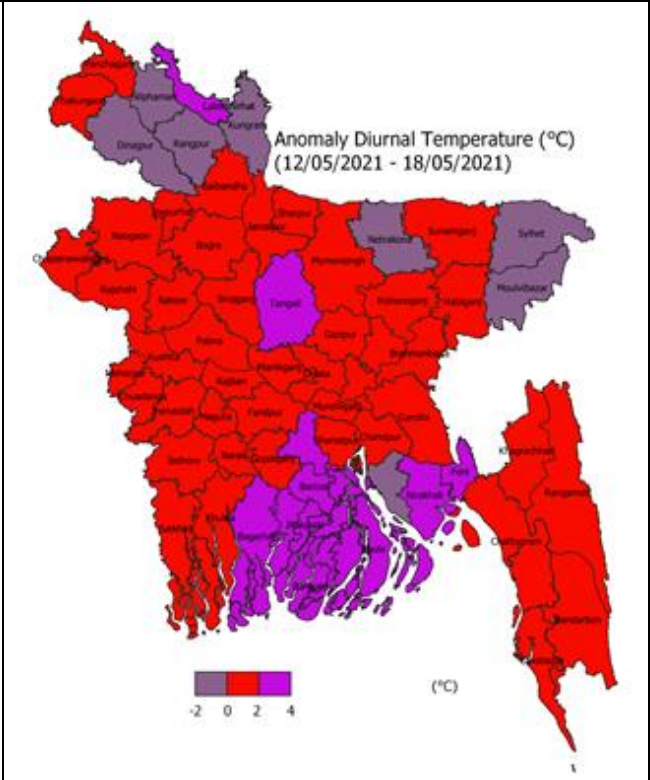
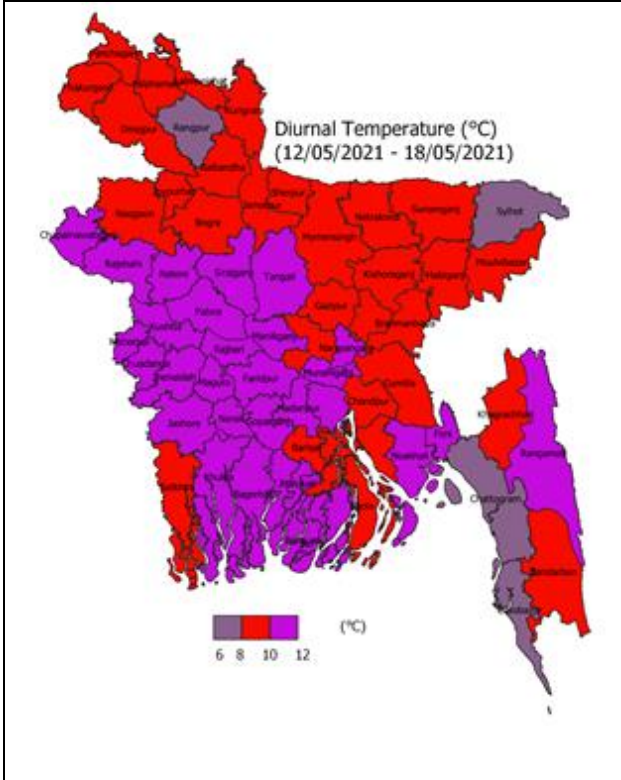
**Heat Wave:** Mild to moderate heat wave is sweeping over Khulna & Barishal divisions and the regions of Faridpur, Madaripur, Gopalganj, Sitakunda, Rangamati, Cumilla, Chandpur, Feni, M.Court, Rajshahi, Pabna & Sirajganj and it may continue.

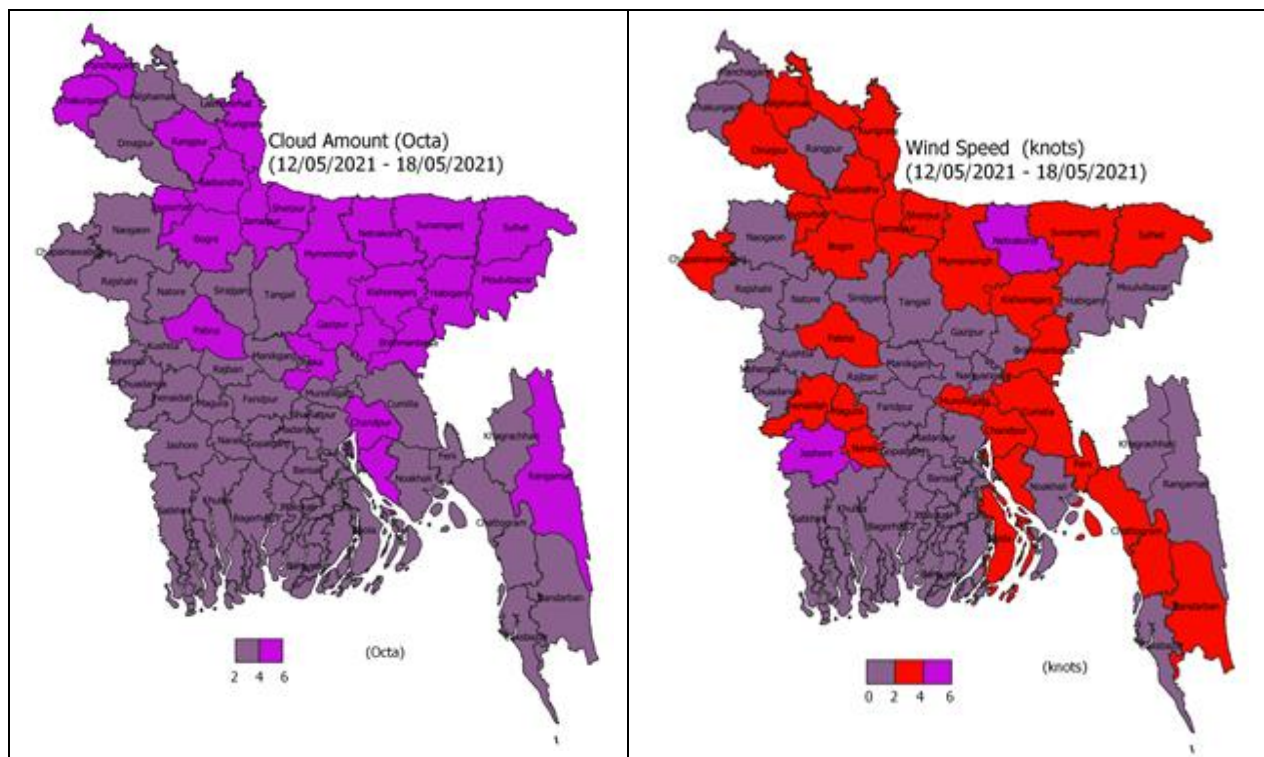
**Temperature:** Day and night temperature may remain nearly unchanged over the country

**Spatial Distribution of weather parameters for the Week ending 18 May 2021**









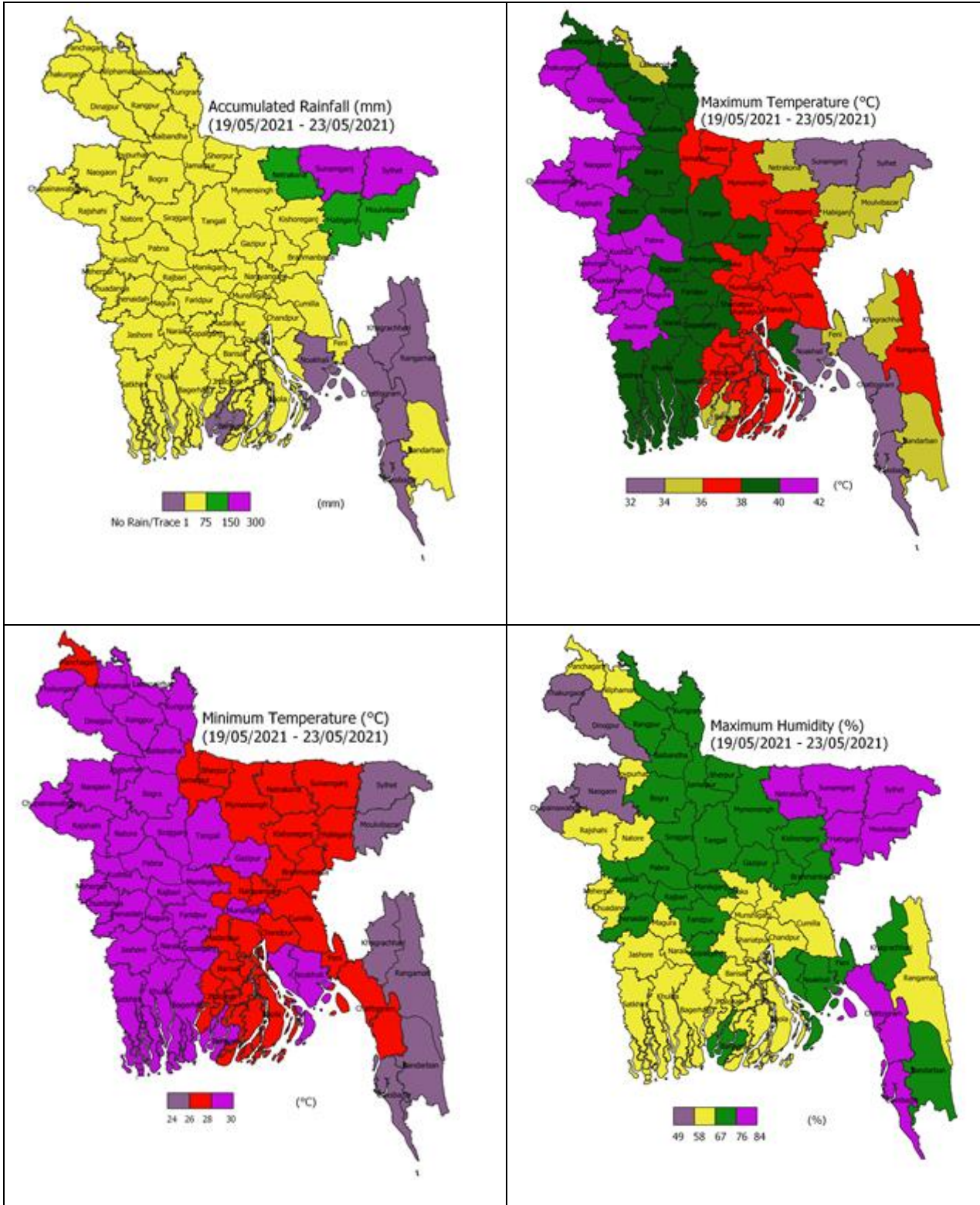
**Weather Forecast and Advisory for the Period of 16.05.2021 to 22.05.2021**

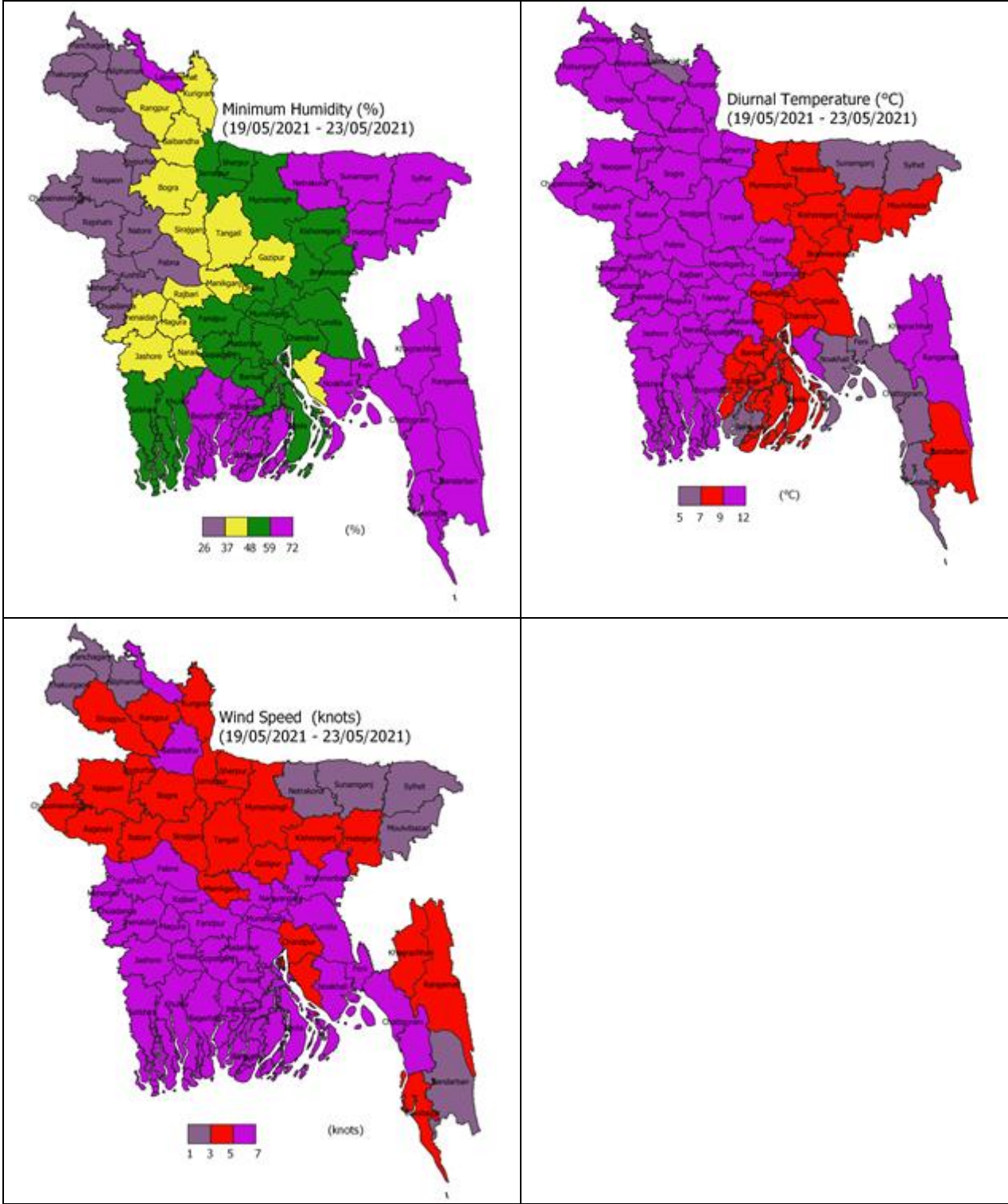
Bright sunshine hour is likely to be from 5.00 to 6.00 hours per day during this week. Average free water loss is likely to be from 3.50 to 4.50 mm per day during this week.

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

**District Wise Quantitative Weather Forecast for next Five days from 19 May-23 May 2021**

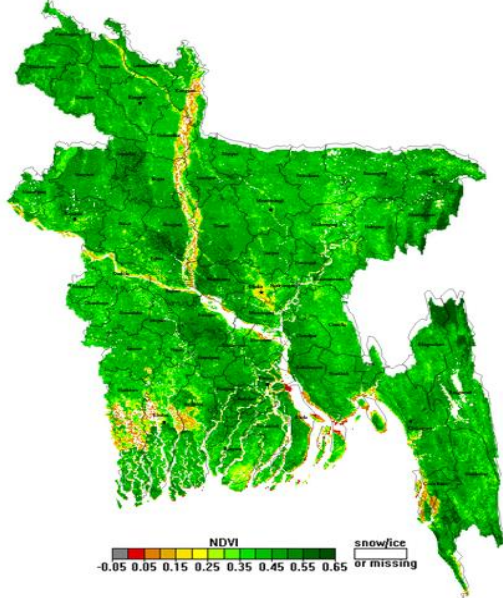




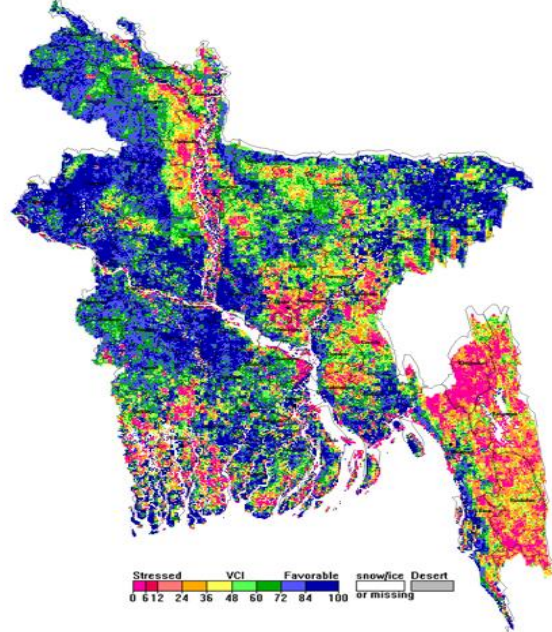


## Different Satellite Products over Bangladesh

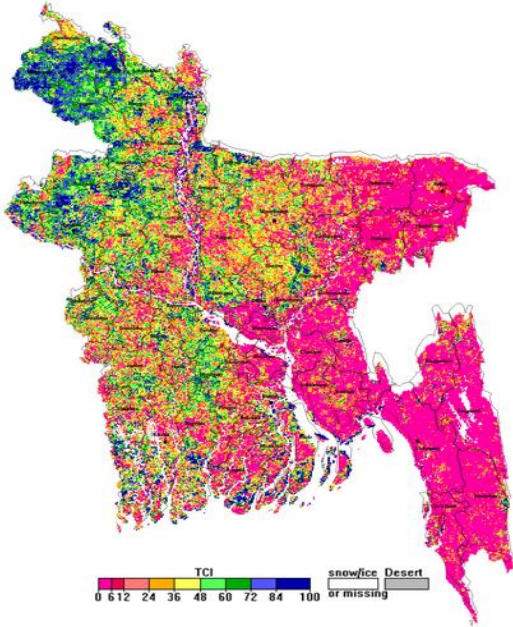
NOAA/VIIRS BLENDED NDVI composite for the week No. 18 (30 April-06 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 18 (30 April-06 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 18 (30 April-06 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 18 (30 April-06 May) over Agricultural regions of Bangladesh

