



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

12 May 2021 (WEDNESDAY)  
[FOR THE PERIOD 12.05.2021 – 16.05.2021]



## 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 Rangpur, Rajshahi, Mymensingh, Sylhet, Dhaka & Chattogram divisions and at one or two places over Khulna & Barishal divisions with moderately heavy falls and hails at isolated places over Rangpur, Rajshahi, Mymensingh & Sylhet divisions. Day temperature may rise by (1-2)°C and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' is rain/thunder showers activity may increase. 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 moderate to very 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.

### **Vegetables**

- Prepare the land for transplanting kharif vegetable.
- To protect the seedlings from disease, shade should be given for 3/4 days after transplanting.
- 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 12 May 2021) and maximum temperature on 11 May and minimum temperature on 12 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	14	32.0	22.1	Rajshahi	Rajshahi	21	31.5	21.3
	Tangail	50	30.5	<u>20.8</u>		Ishurdi	37	31.0	21.0
	Faridpur	54	32.3	21.4		Bogura	03	28.5	21.3
	Madaripur	17	30.0	21.5		Badalgachhi	01	26.0	<u>20.8</u>
	Gopalganj	21	29.0	21.7		Tarash	02	30.3	21.7
	Nikli	05	32.3	23.0	Rangpur	Rangpur	Trace	27.8	22.4
Mymensingh	Mymensingh	Trace	30.5	22.7		Dinajpur	03	25.1	21.2
	Netrokona	Trace	30.0	22.6		Sayedpur	00	26.5	21.5
Chattogram	Chattogram	02	31.5	24.0		Tetulia	00	28.8	21.3
	Sandwip	02	30.4	22.0		Dimla	00	27.3	22.0
	Sitakunda	12	31.0	xx		Rajarhat	00	28.0	21.1
	Rangamati	02	31.0	23.5	Khulna	Khulna	24	33.0	22.5
	Cumilla	24	32.1	22.5		Mongla	<u>73</u>	32.0	22.5
	Chandpur	08	31.1	22.9		Satkhira	42	28.5	21.6
	M.Court	03	30.0	22.7		Jashore	24	32.6	22.4
	Feni	12	31.3	22.0		Chuadanga	45	33.0	21.5
	Hatiya	xx	29.2	22.0		Kumarkhali	33	32.5	<u>20.8</u>
	Cox's Bazar	09	<u>34.1</u>	23.0	Barishal	Barishal	07	29.5	22.0
	Kutubdia	05	32.3	23.5		Patuakhali	25	32.3	22.3
	Teknaf	00	33.7	25.3		Khepupara	xx	33.0	22.0
						Bhola	16	29.8	22.3
Sylhet	Sylhet	02	31.6	23.7					
	Srimangal	15	32.7	22.7					

### Highlights:

- Country average bright sunshine hour was 5.30 hours per day during last week.
- Country average free water loss during the previous week was 4.00 mm per day.

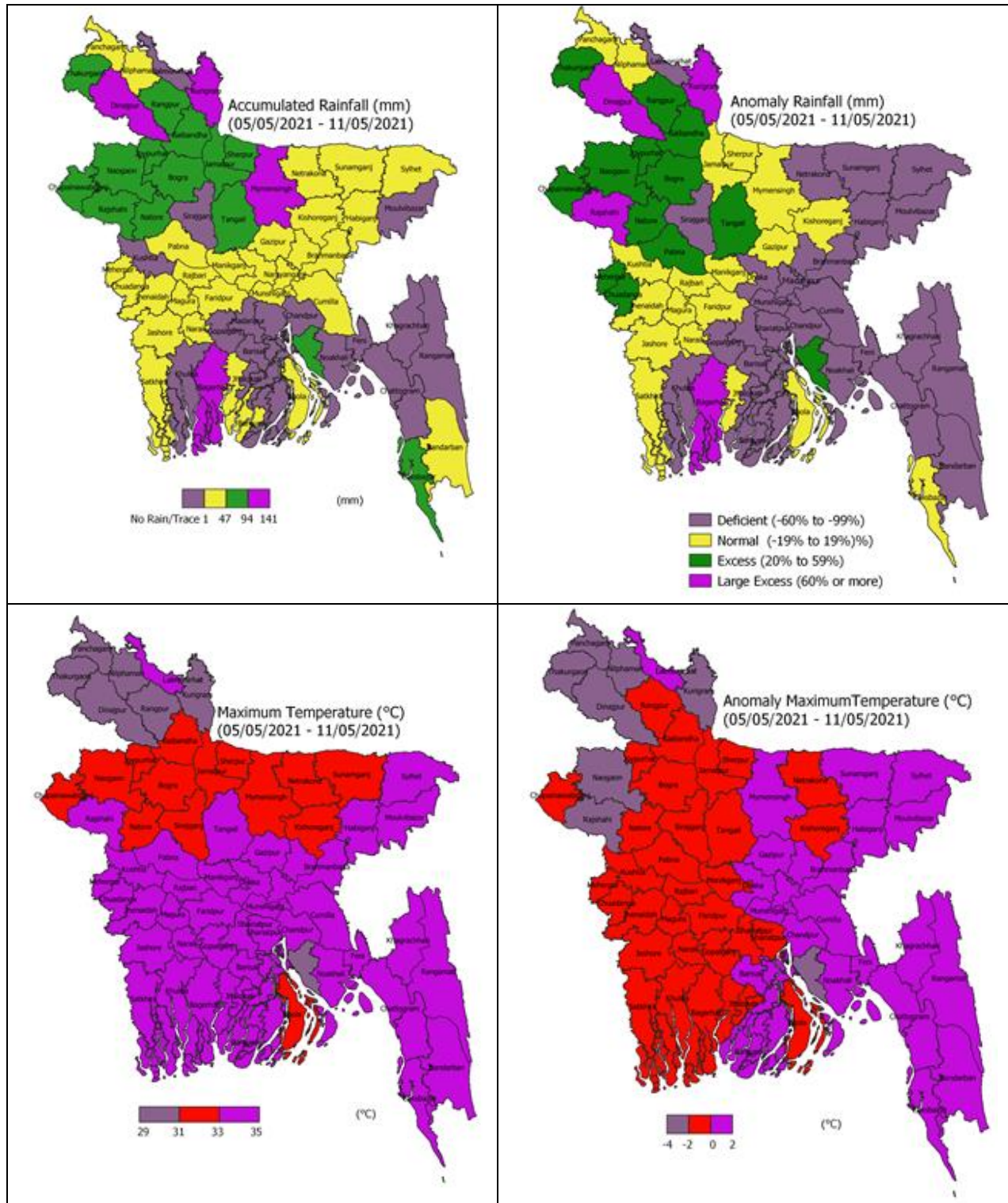
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

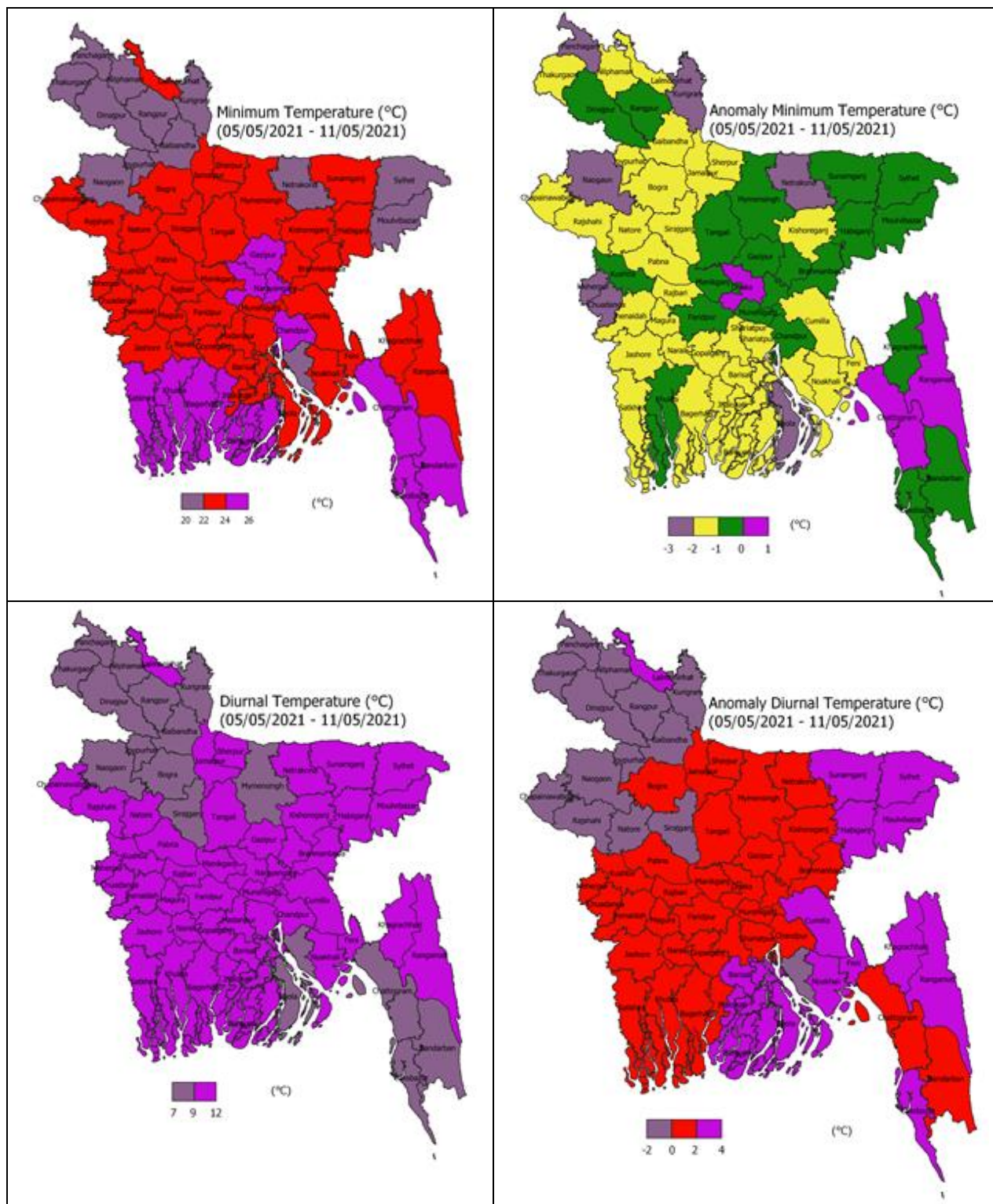
**Forecast:** Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places over Rangpur, Rajshahi, Mymensingh, Sylhet, Dhaka & Chattogram divisions and at one or two places over Khulna & Barishal divisions with moderately heavy falls and hails at isolated places over Rangpur, Rajshahi, Mymensingh & Sylhet divisions.

**Temperature:** Day temperature may rise by (1-2) °C and night temperature may remain nearly unchanged over the country.

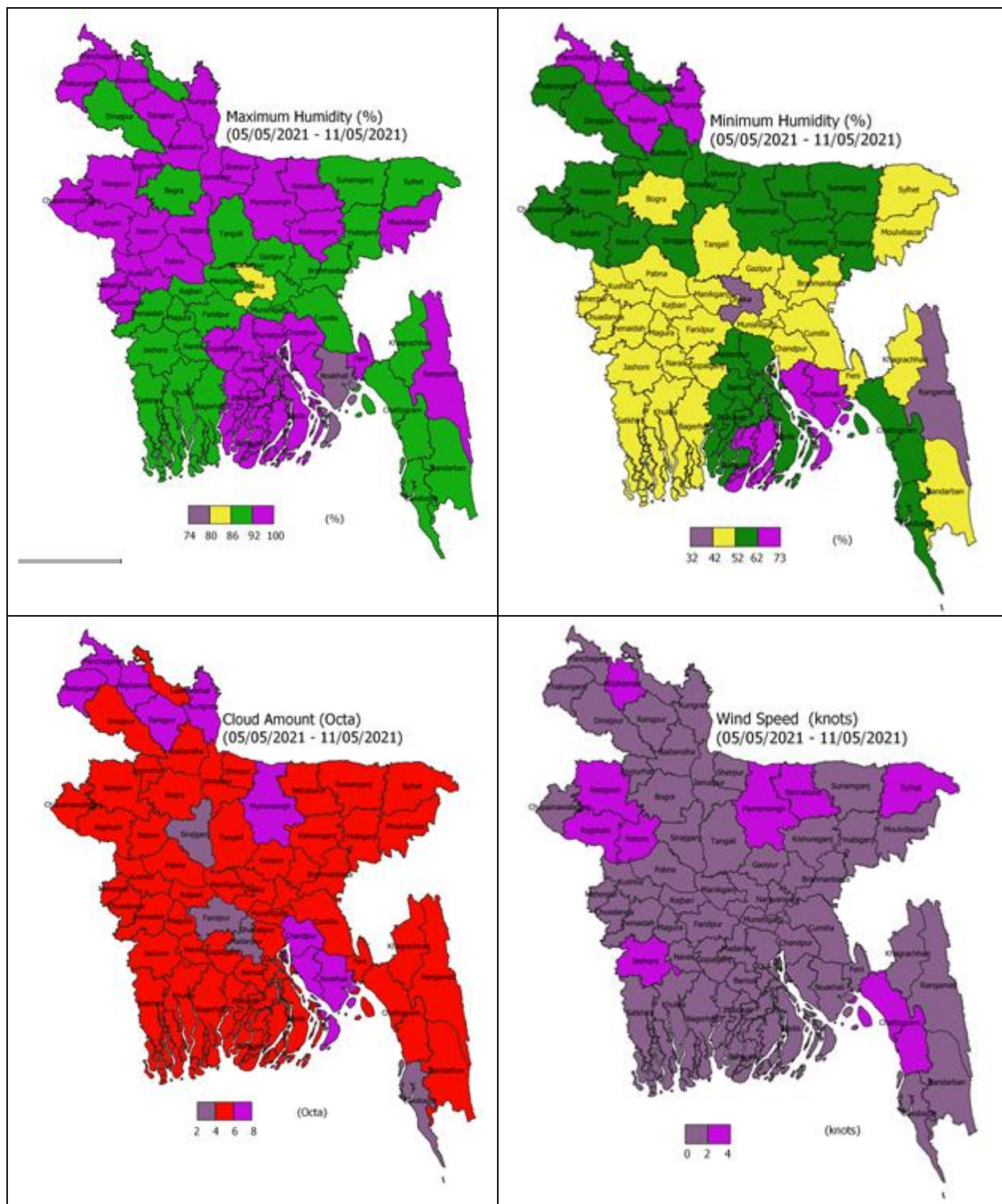


## Spatial Distribution of weather parameters for the Week ending 11 May 2021







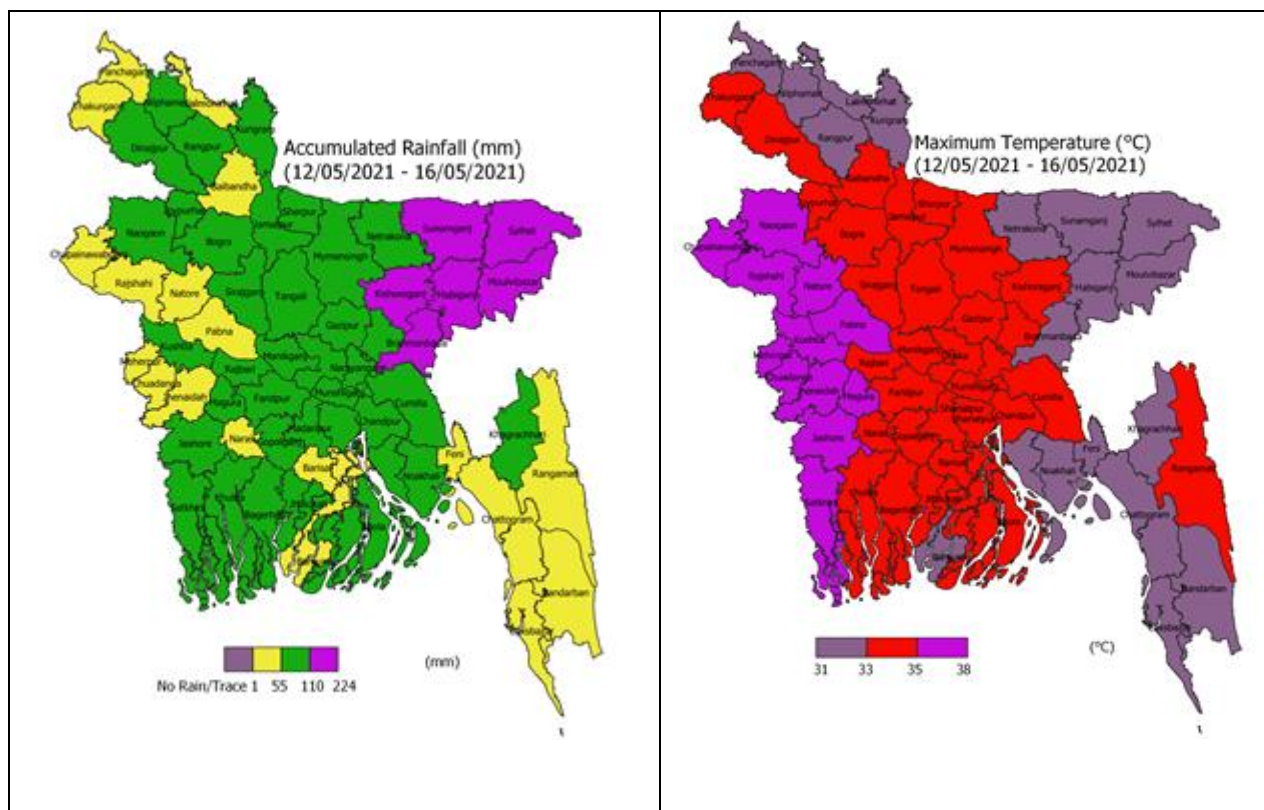


### **Weather Forecast and Advisory for the Period of 09.05.2021 to 15.05.2021**

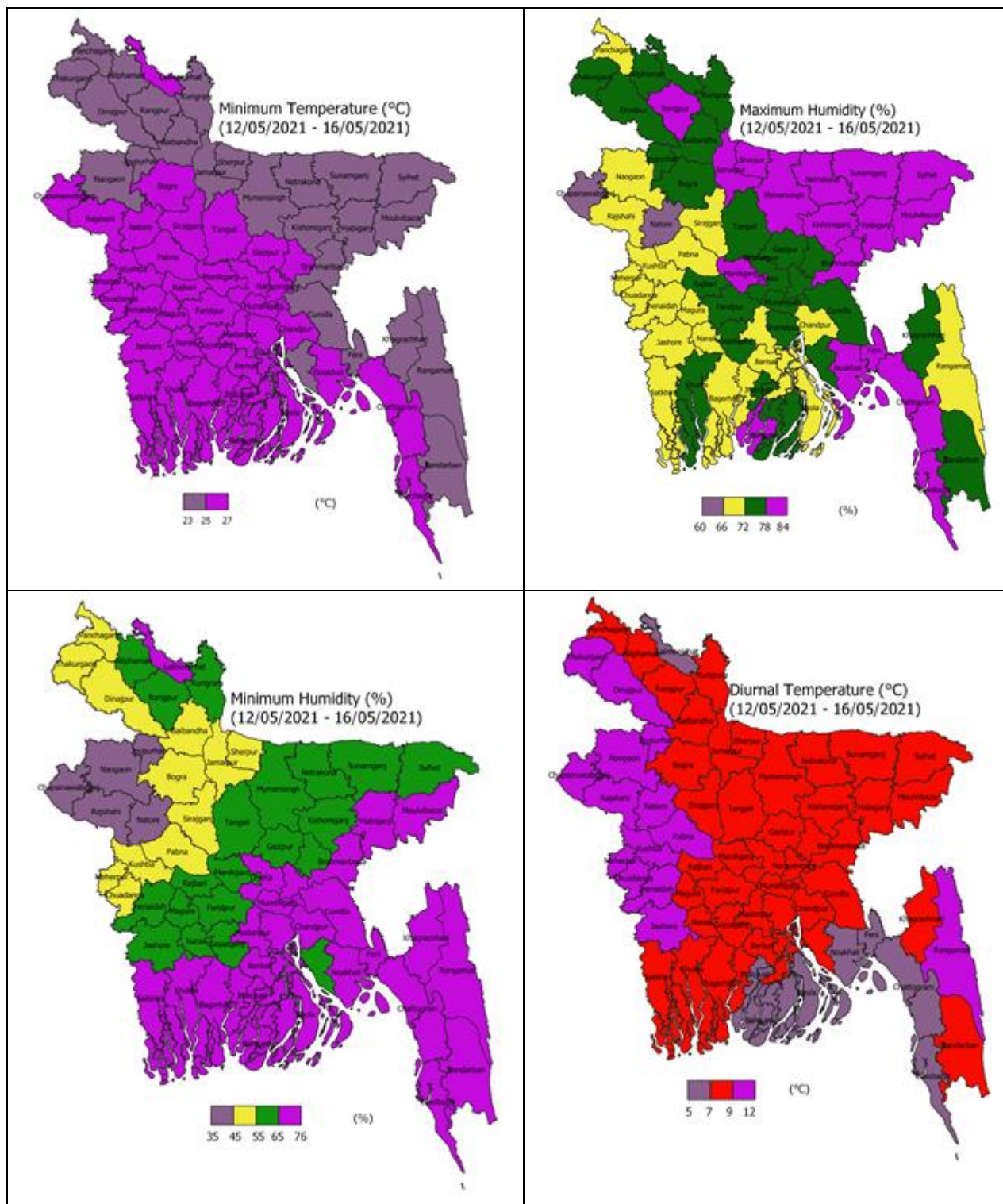
Bright sunshine hour is likely to be from 4.50 to 5.50 hours per day during this week. Average free water loss is likely to be from 3.50 to 4.50 mm per day during this week.

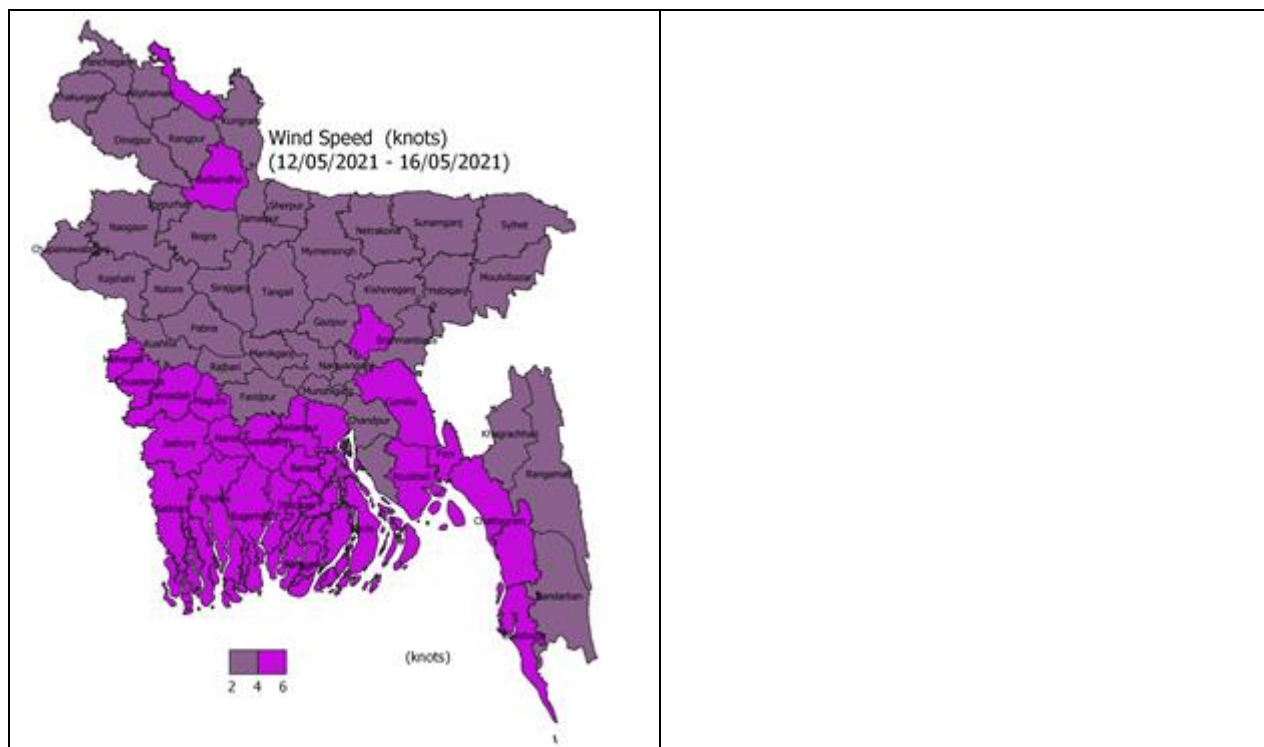
- Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places over Rajshahi, Rangpur, Dhaka, Mymensingh, Sylhet, Khulna, Barisal and Chattogram divisions with isolated hail at places during the first half of the period.
- Rain/thunder showers accompanied by temporary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

### **District Wise Quantitative Weather Forecast for next Five days from 12 May-16 May 2021**







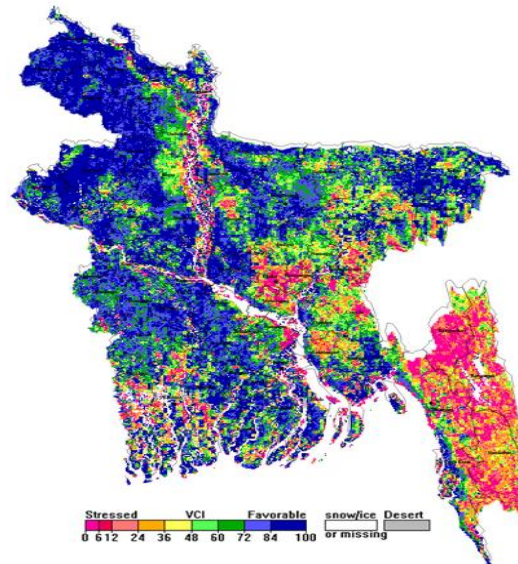


## Different Satellite Products over Bangladesh

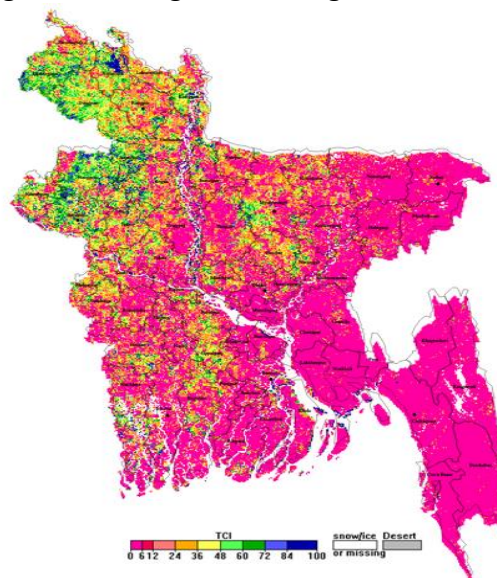
NOAA/VIIRS BLENDED NDVI composite for the week. No. 17 (23 April-29 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 17 (23 April-29 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 17 (23 April-29 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 17 (23 April-29 April) over Agricultural regions of Bangladesh

