



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**16 March 2022 (WEDNESDAY)**  
**[FOR THE PERIOD 16.03.2022 – 20.03.2022]**



## 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' weather may remain dry over the country. Mild heat wave is sweeping over Sylhet division and the regions of Feni & Sitakunda and it may continue. Day and night temperature may rise slightly over the country. As per the outlook issued by BMD for next 72 hours' is likely little change. During last four days, no rainfall occurred over the country and as per the quantitative medium range weather forecast; there is no possibility of rainfall during next five days. Detail Agromet advisory are given below.

#### **Boro Paddy:**

- Apply irrigation and maintain the required water level in the land.
- To control blast disease, in the early stages of the disease, apply the approved dose of fungicide Trooper / Nativo / Jill.
- In case of infestation of stem borer, collect and destroy the pile of eggs, use light traps, if the infestation is high, use approved pesticides.
- In case of thrips infestation, apply nitrogen fertilizer on the affected land. In case of high infestation apply 1.12-liter malathion or 1.7 kg carbaryl or 1.12 kg isoproc carb / MIPC per hectare.
- Use light traps to control leaf-rolling insects and perching on the land. Avoid excessive use of urea fertilizer. If 25% of the leaves are damaged, apply one of the approved pesticides of Sevin 85 SP, Darsban 20 EC or Mipsin 75 WP in the correct dosage.

#### **Wheat:**

- Collect mature crops in the morning or late afternoon.

#### **Mustard:**

- When 80% of the crop is mature, store it in dry weather.

#### **Vegetables**

- In case of infestation of eggplant tip and fruit borer insects, cut and destroy the affected tip along with the insects. Insect reproduction can be greatly reduced by using pheromone traps. Only use moderate amounts of specific potent chemical pesticides or locally recommended organic pesticides if absolutely necessary.
- In case of infestation of flies in pumpkin vegetables, use pheromone and bisotop traps together. Pesticides of alpha cypermethrin group can be used.
- In case of powdery mildew in Gourd vegetables, apply hexaconazole or mancozeb.
- In case of infestation of aphid insects in beans and cabbage, apply approved pesticides of Chlorpyrifos group.
- Thrips infestation can be controlled using adhesive white traps (40 per hectare). If the infestation is severe, fipronil or dimethoate can be sprayed at the rate of 10 ml in 10 liters of water.
- Apply light irrigation and pesticides, if necessary.

### **Horticultural crops**

- Fruit orchards need to be inter-cultural operation.
- In case of symptoms of Sigatoka disease on banana leaves, 0.5 ml of Score or 2 g of Noin or Bavistin or 0.1 ml of Econazole / Folico should be mixed in every liter of water and sprayed 2-3 times at intervals of 15-20 days.
- Mango can be attacked by sucking insects (hoppers) and anthracnose at different stages. When the buds attack, the flowers fall off. Soak the leaves, buds and stalks of the tree well once and once a month after flowering for bud control but before flowering, mix Cypermethrin (Ripcord / Simbush / Phenom / Basathrin) 10 EC 1 ml and Tilt 250 EC 0.5 ml per liter of water. Need to spray.
- In order to control coconut spiders, sprouts should be applied to the affected trees by cutting and burning the young coconut. In addition, spider mites should be applied on the young leaves of nearby trees.
- Apply Isoprocarb (MIPC) group pesticide if banana beetle infestation occurs.
- If millibugs attack guava, use approved pesticides. This insect can also be controlled by spraying powdered soap at the rate of 5 grams per liter of water.
- Take necessary action in case of infestation of fruit flies in guava.
- Apply light irrigation and pesticides, if necessary.

### **Livestock:**

- Keep the cow house open
- Take appropriate measures to repel mosquitoes.
- Give the cattle plenty of clean water to drink.
- Feed raw grass to cattle.
- Vaccinate cattle regularly to prevent disease.

### **Poultry:**

- Vaccinate chickens regularly to prevent disease.
- Keep the poultry house clean.

**Fishery:**

- The end of winter begins to heat up. Now is the perfect time to release the fish. Start preparing the pond.
- Quickly create a suitable environment for releasing fish with lime and fertilizer in empty ponds.
- Release the fish by 15-20 March by calculating the species and number.

## Realized Weather at different locations in the country

**Rainfall for last 24 hours (till 06 AM on 16 March 2022) and maximum temperature on 15 March and minimum temperature on 16 March 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	00	35.0	23.0	Rajshahi	Rajshahi	00	35.3	20.0
	Tangail	00	34.0	20.6		Ishurdi	00	35.0	19.3
	Faridpur	00	35.4	19.4		Bogura	00	33.5	21.4
	Madaripur	00	33.8	19.4		Badalgachhi	00	33.5	19.8
	Gopalganj	00	34.4	19.4		Tarash	00	33.0	20.3
	Nikli	00	34.0	19.2					
Mymensingh	Mymensingh	00	33.6	19.4	Rangpur	Rangpur	00	33.3	18.5
	Netrokona	00	33.7	19.2		Dinajpur	00	33.5	18.3
						Sayedpur	00	35.0	18.4
Chattogram	Chattogram	00	33.0	21.6		Tetulia	00	35.0	<u>15.8</u>
	Sandwip	00	35.6	20.0		Dimla	00	33.0	18.2
	Sitakunda	00	36.0	18.0		Rajarhat	00	34.0	16.9
	Rangamati	00	35.5	19.5	Khulna	Khulna	00	35.0	20.3
	Cumilla	00	33.2	19.0		Mongla	00	35.4	20.3
	Chandpur	00	35.4	21.0		Satkhira	00	35.5	18.5
	M.Court	00	34.4	20.0		Jashore	00	35.6	18.6
	Feni	00	36.6	19.6		Chuadanga	00	35.3	18.2
	Hatiya	00	xx	19.8		Kumarkhali	00	35.5	20.0
	Cox's Bazar	00	33.7	21.8	Barishal	Barishal	00	34.5	18.2
Kutubdia	00	32.6	20.5	Patuakhali		00	35.0	19.4	
Teknaf	00	34.0	17.5	Khepupara		00	35.5	19.3	
				Bhola		00	34.8	18.9	
Sylhet	Sylhet	00	<u>36.9</u>	20.8					
	Srimangal	00	36.5	16.2					

### Highlights:

- Country average bright sunshine hour was 9.03 hours per day during last week.
- Country average free water loss during the previous week was 3.97 mm per day.

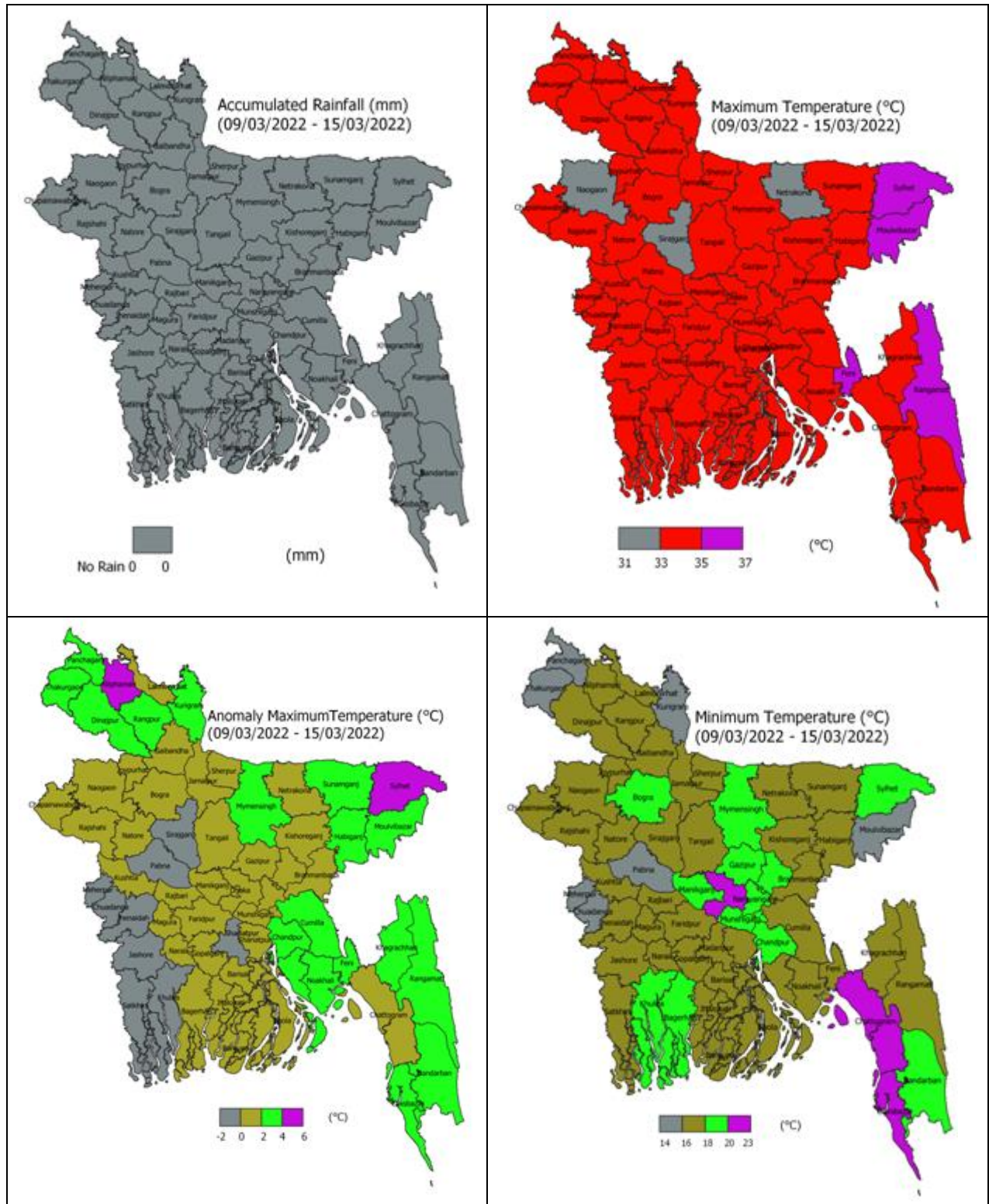
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

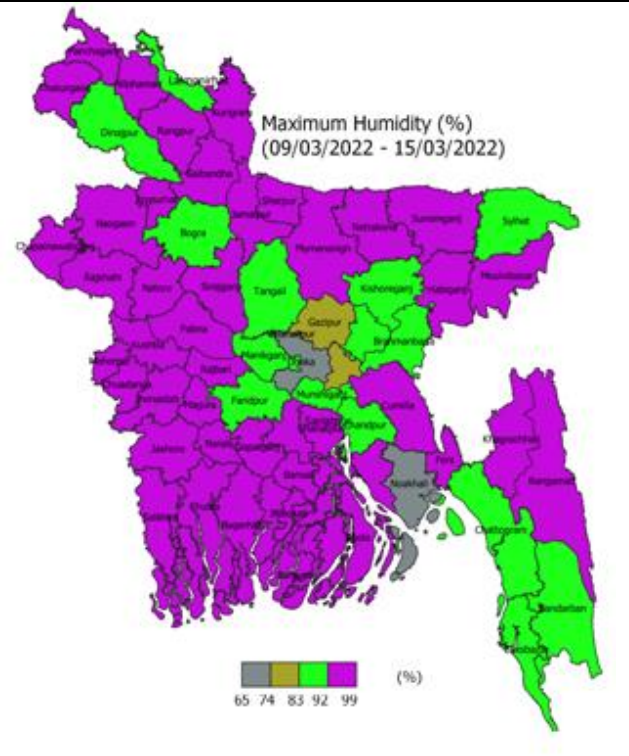
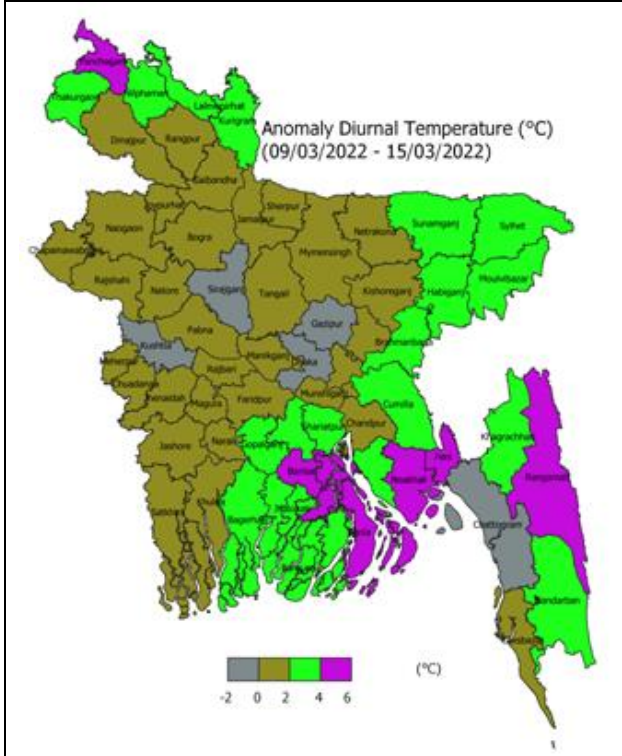
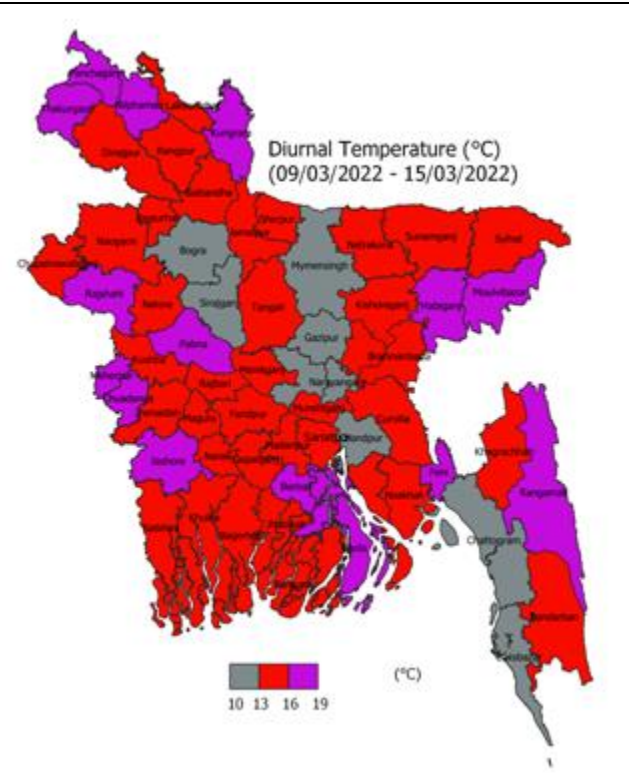
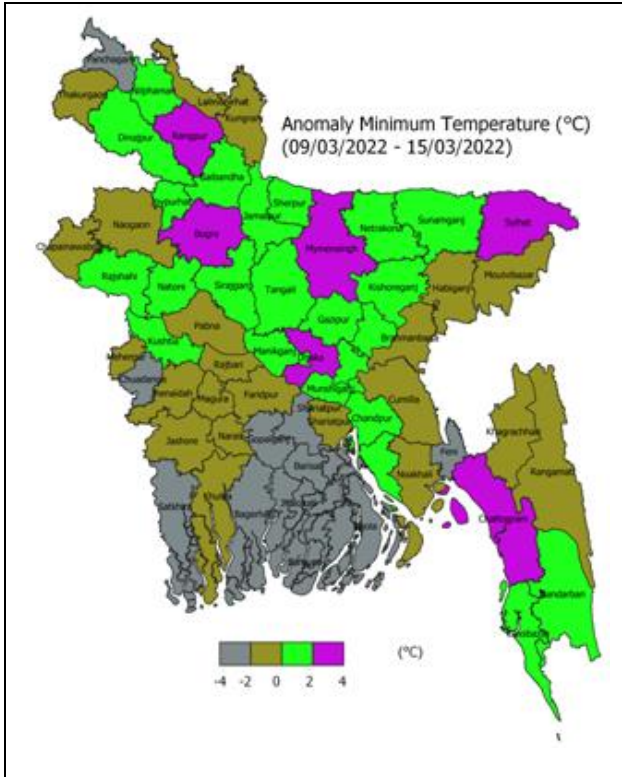
**Forecast:** Weather may remain dry over the country.

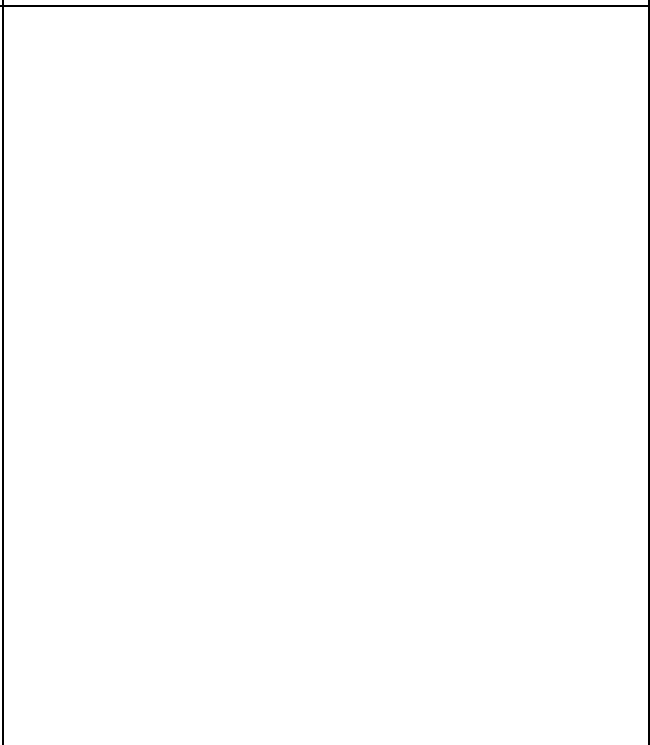
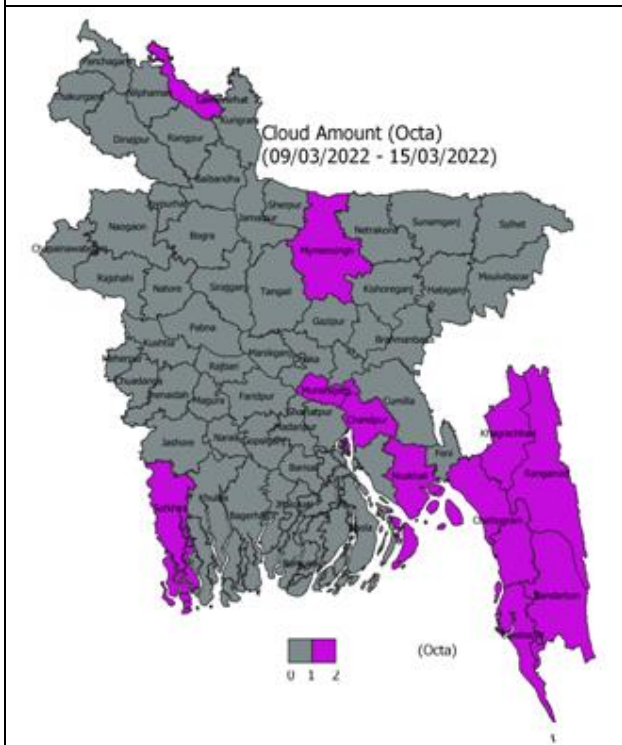
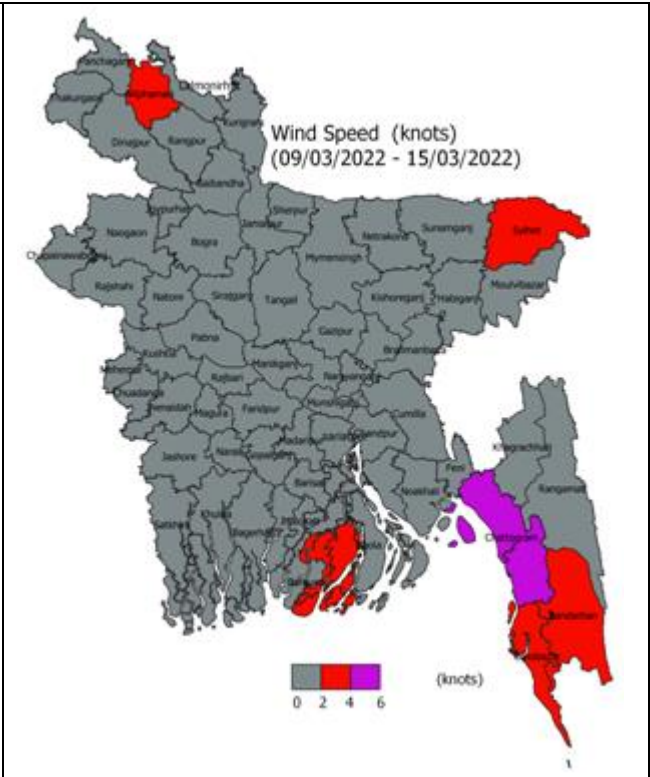
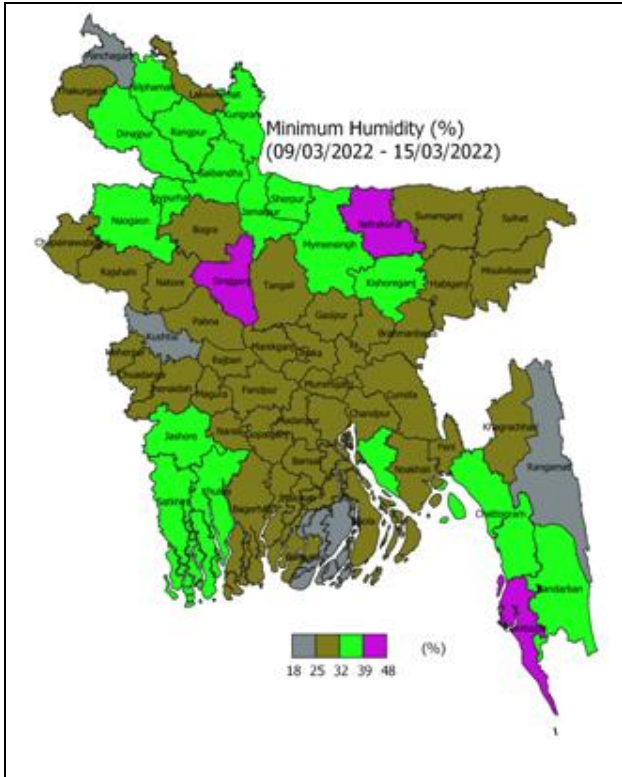
**Heat wave:** Mild heat wave is sweeping over Sylhet division and the regions of Feni & Sitakunda and it may continue.

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

## Spatial Distribution of weather parameters for the Week ending 15 March 2022







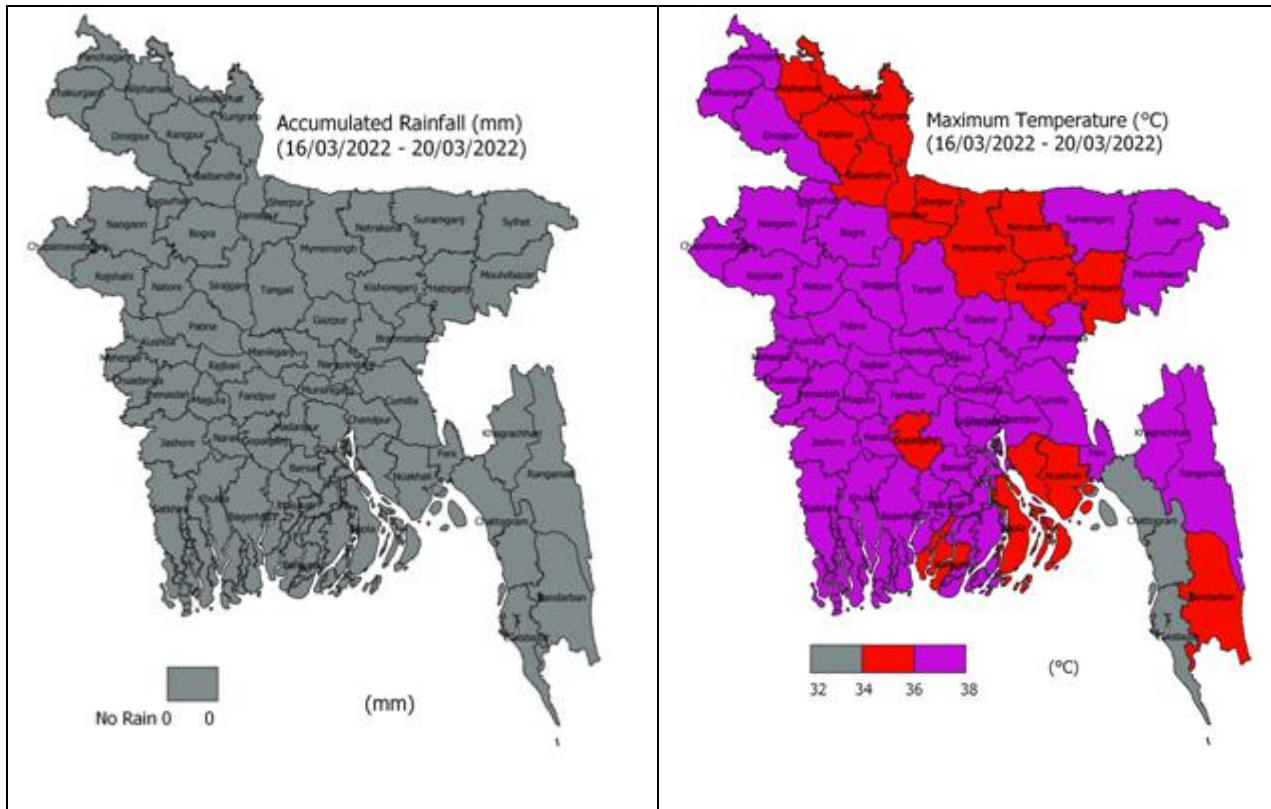


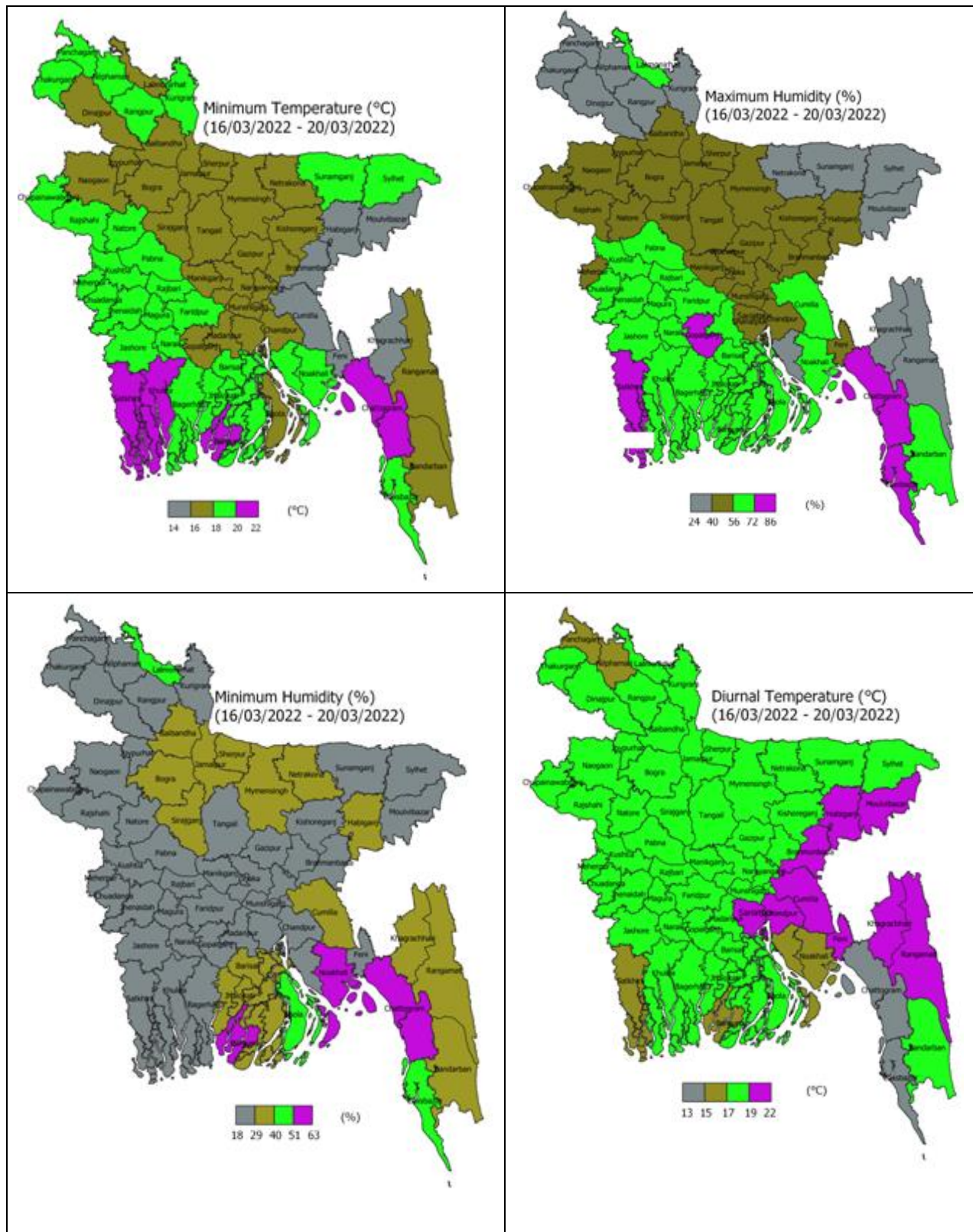
## Weather Forecast and Advisory for the Period of 15.03.2022 to 21.03.2022

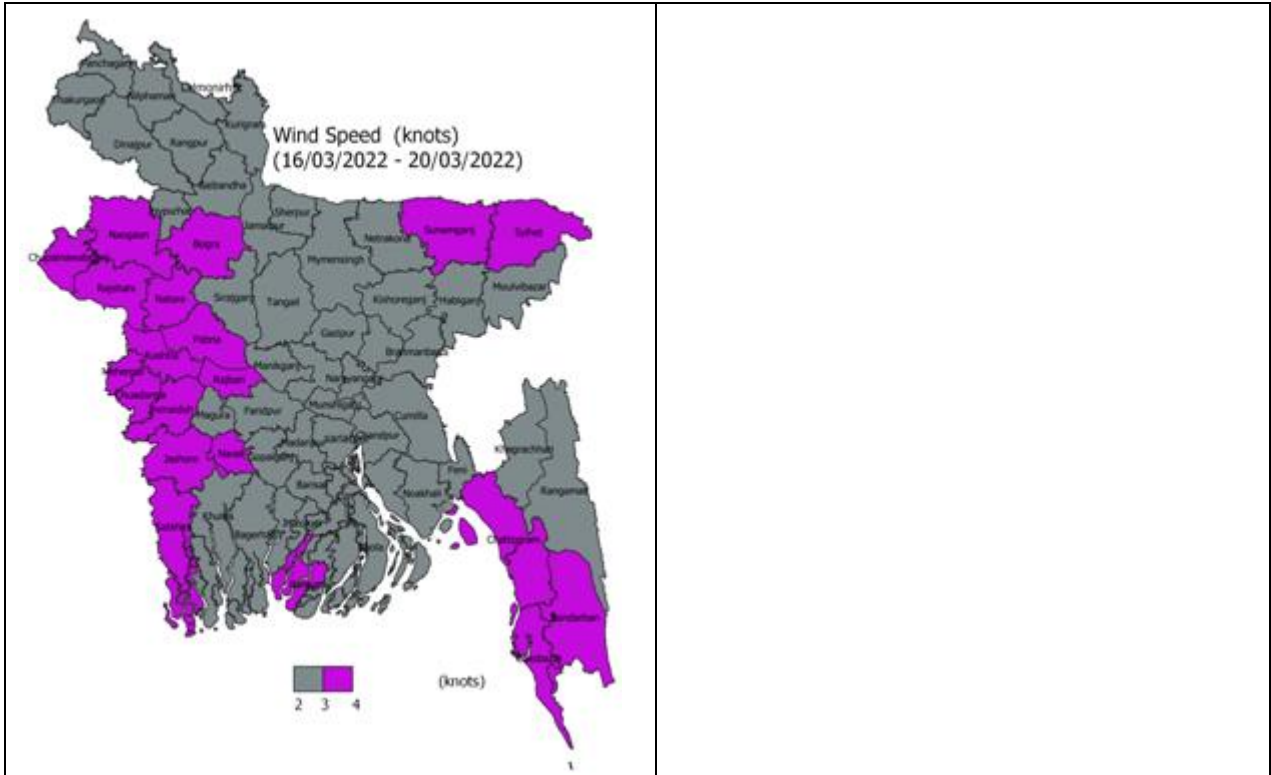
Bright sunshine hour is likely to be from 8.50 to 9.50 hours per day during this week. Average free water loss is likely to be from 3.25 to 4.25 mm per day during this week.

- Weather may remain dry with temporary partly cloudy sky over the country.
- Day and night temperature may rise slightly over the country during the period.

### **District Wise Quantitative Weather Forecast for next Five days from 16 March-20 March 2022**





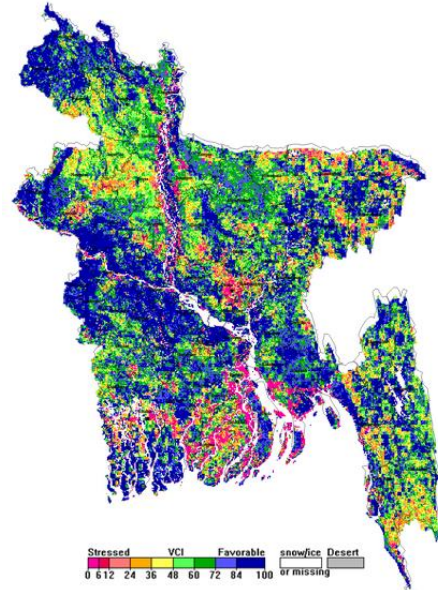


## Different Satellite Products over Bangladesh

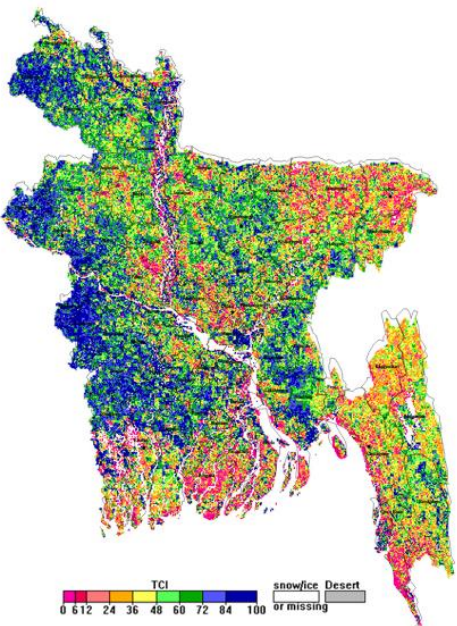
NOAA/VIIRS BLENDED NDVI composite for the week. No. 10 (05 March-11 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 10 (05 March-11 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 10 (05 March-11 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 10 (05 March-11 March) over Agricultural regions of Bangladesh

