



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**04 May 2022 (WEDNESDAY)  
[FOR THE PERIOD 04.05.2022 – 08.05.2022]**



#### 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' rain/thunder showers with intense lightning flashes and temporary gusty/squally wind is likely to occur at a few places over Dhaka, Khulna, Barishal & Chattogram divisions and at one or two places over Rangpur, Rajshahi, Mymensingh & Sylhet divisions. Day temperature may rise by (1-3)°C and night temperature may rise by (1-2)°C over the country. As per the outlook issued by BMD for next 72 hours' a low pressure area may form over Andaman Sea. During last four days, light to heavy rainfall occurred most 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.

### Boro Paddy:

- Apply irrigation and maintain the required water level in the land.
- In case of bacterial leaf blight, in the initial stage of the disease, apply 60 gm MOP, 60 gm thiovit in 10 liters of water and apply on 5% of the land. In case of disease, 5 kg potash fertilizer should be applied per bigha.
- To control blast disease, retain water in the soil and apply a balanced dose of fertilizer.
- For control of blast disease, application of urea fertilizer in the affected land should be stopped and 8 gm of Trooper or 6 gm of Nativo or Tricyclazol / Strobil group fungicide should be mixed in 10 liters of water and applied twice in 5-7 days interval in every 5% of the land.
- In case of infestation of stem borer insects, collect and destroy the pile of eggs, use light traps, if the infestation is high, use approved pesticides.
- Use light traps to control leaf-rolling insects and perch on the ground. 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.
- 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 isoprocarb / MIPC per hectare.
- Rice bug infestation may occur during grain formation stage. Apply Carbaryl or Isoprocarb / MIPC group pesticides in approved doses if one Gandhi insect is found in 2-3 bunches on average.

- Apply pesticide after rain.
- Drain out water from the land 15 days before harvest.
- To protect from kalbaisakhi and hail damage, cut and thresh as soon as 80% of the grains are ripe.

### **Vegetables**

- Prepare land for planting kharif season vegetables.
- Shade should be taken for 3/4 days after planting.
- Arrange for hand pollination of pumpkin vegetables. If a beetle appears, kill it by hand in the morning and afternoon.
- 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 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.
- Drain out excess water from the field, if any.
- Apply pesticide after rain.

### **Horticultural crops**

- Fruit orchards need to be inter-cultural operation.
- In case of infestation of weevil and fruit borer insects in the marble stage of mango trees, spray Cypermethrin group Ripcord / Basathrin 10 EC 1 ml or Fenitrothion group Sumithion 50 EC 1.12 ml per liter of water 2/3 times every 10-15 days interval for control.
- To control flies during mango maturation, Sumithion 50 EC of Phenitrothion group should be mixed with 1.12 ml per liter of water and sprayed in the late afternoon.
- 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.
- 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.
- Drain out excess water from the field, if any.
- Apply pesticide after rain.

### **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:**

- Quickly create a suitable environment for releasing fish with lime and fertilizer in empty ponds.
- Release the fish by calculating the species and number.

## Realized Weather at different locations in the country

**Rainfall for last 24 hours (till 06 AM on 04 May 2022) and maximum temperature on 03 May and minimum temperature on 04 May 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	14	29.1	22.1	Rajshahi	Rajshahi	31	26.5	21.5
	Tangail	37	27.6	21.8		Ishurdi	53	26.7	22.7
	Faridpur	21	28.5	21.3		Bogura	20	28.8	21.8
	Madaripur	14	30.7	21.8		Badalgachhi	15	28.0	22.0
	Gopalganj	19	24.0	23.4		Tarash	38	27.0	23.0
	Nikli	27	28.4	21.8					
Mymensingh	Mymensingh	30	26.0	22.1	Rangpur	Rangpur	00	29.8	21.7
	Netrokona	29	26.0	21.5		Dinajpur	00	30.1	22.0
						Sayedpur	00	31.5	21.2
Chattogram	Chattogram	16	<u>33.8</u>	22.6		Tetulia	00	31.0	<u>20.4</u>
	Sandwip	02	32.3	22.3		Dimla	00	30.2	22.5
	Sitakunda	00	31.5	25.7		Rajarhat	00	29.0	22.0
	Rangamati	09	33.0	21.8	Khulna	Khulna	22	30.6	21.5
	Cumilla	04	30.4	21.9		Mongla	24	31.6	22.0
	Chandpur	24	27.5	21.3		Satkhira	24	26.4	21.3
	M. Court	25	32.5	22.0		Jashore	39	28.8	21.4
	Feni	05	31.0	22.2		Chuadanga	40	27.3	21.4
	Hatiya	06	32.4	24.8		Kumarkhali	<u>69</u>	26.5	21.0
	Cox's Bazar	02	33.5	23.8	Barishal	Barishal	15	31.0	22.5
	Kutubdia	02	33.3	24.0		Patuakhali	15	33.3	22.1
Teknaf	00	34.4	24.0	Khepupara		08	<u>33.8</u>	22.9	
Sylhet	Sylhet	23	28.3	21.5		Bhola	25	32.0	22.0
	Srimangal	30	30.2	20.6					

### Highlights:

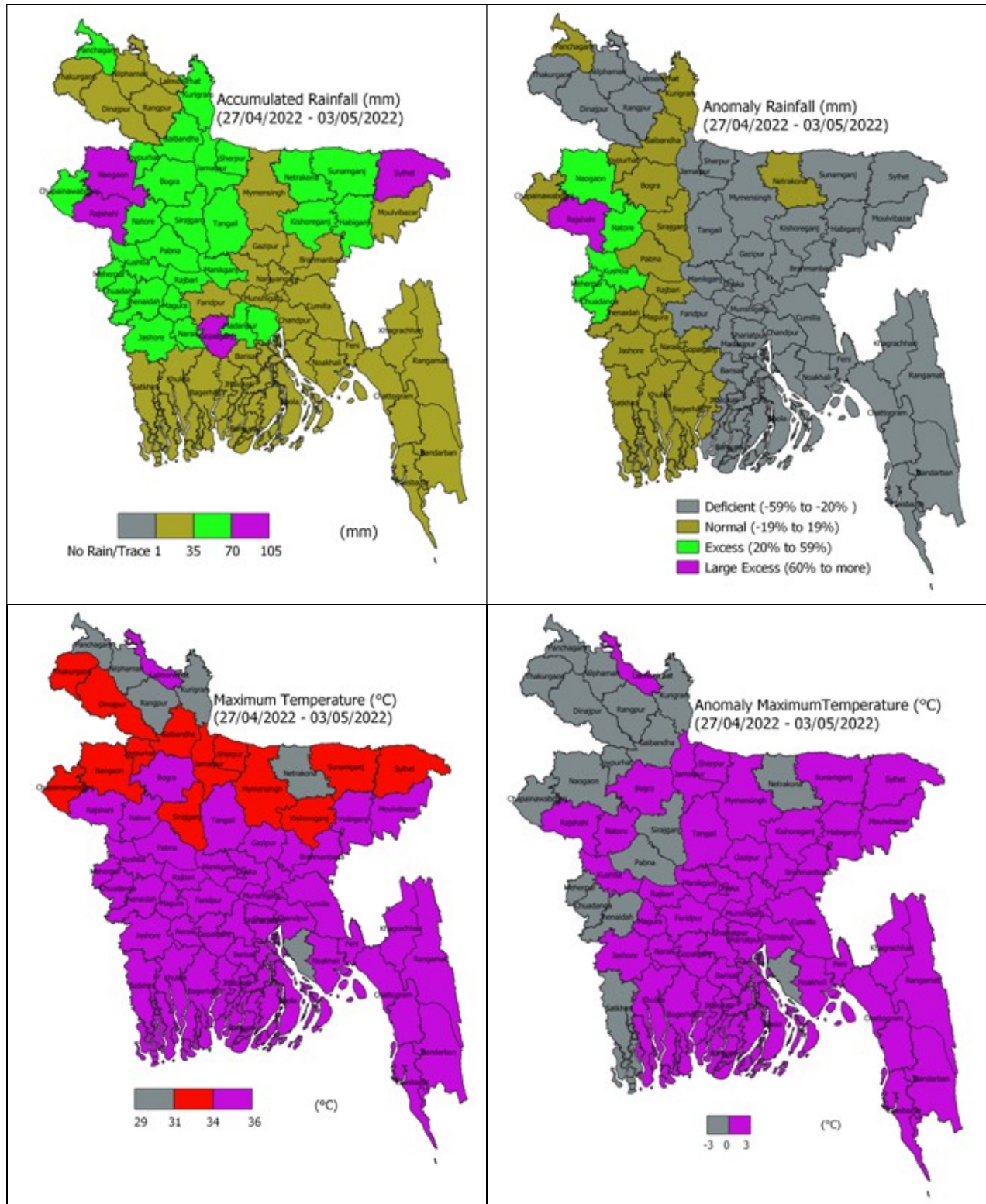
- Country average bright sunshine hour was 6.91 hours per day during last week.
- Country average free water loss during the previous week was 4.37 mm per day.

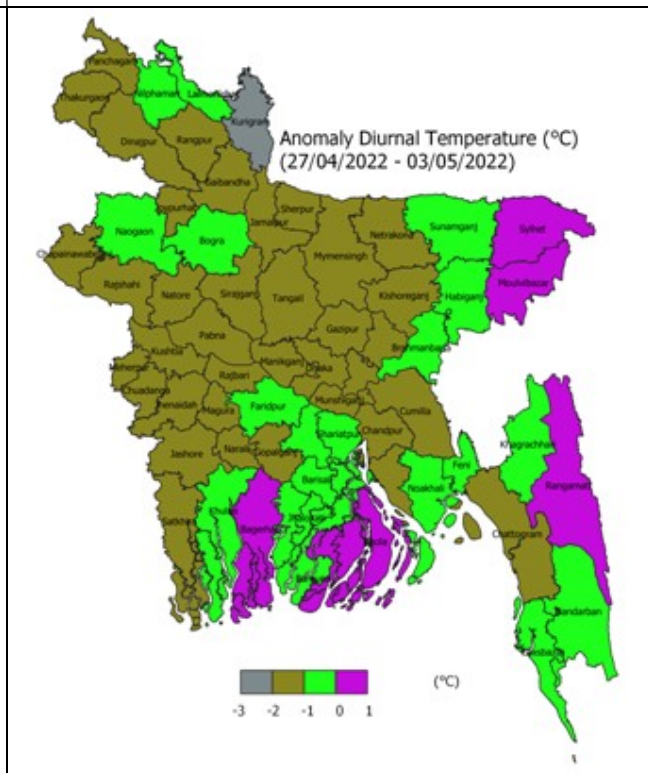
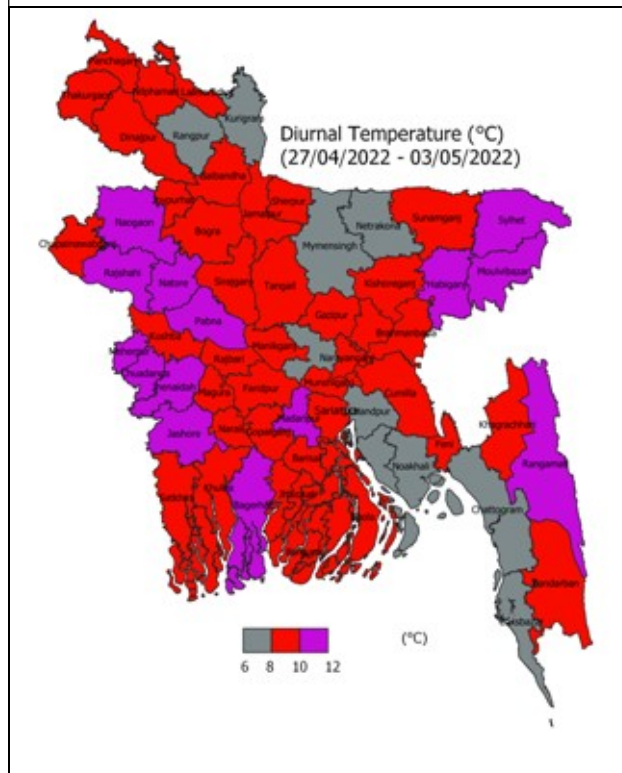
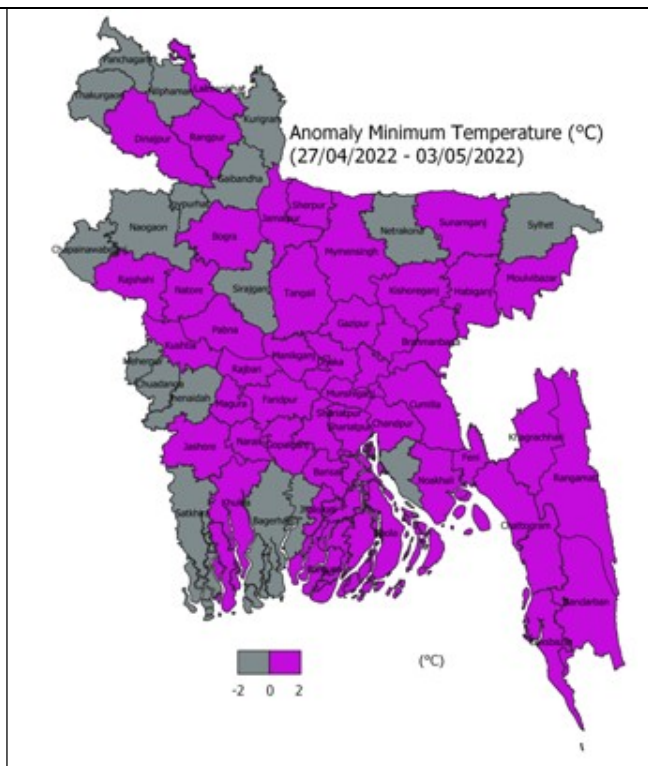
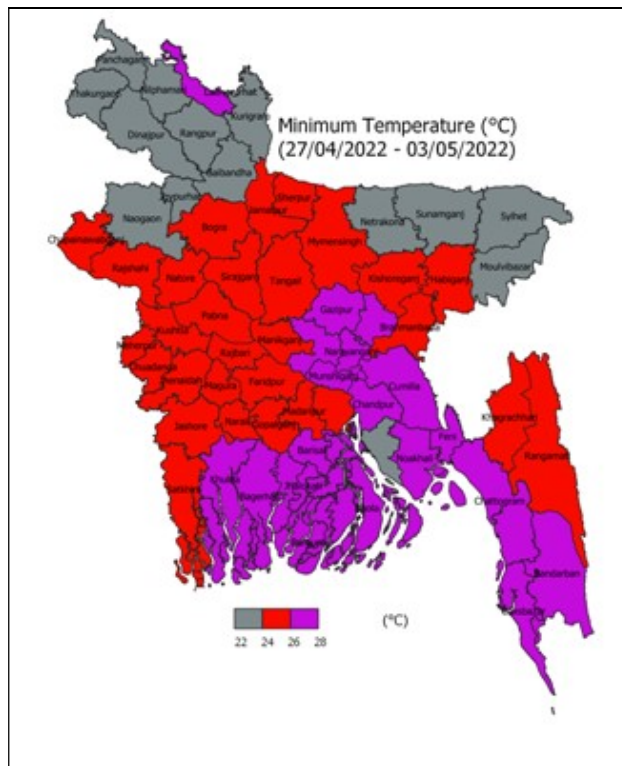
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

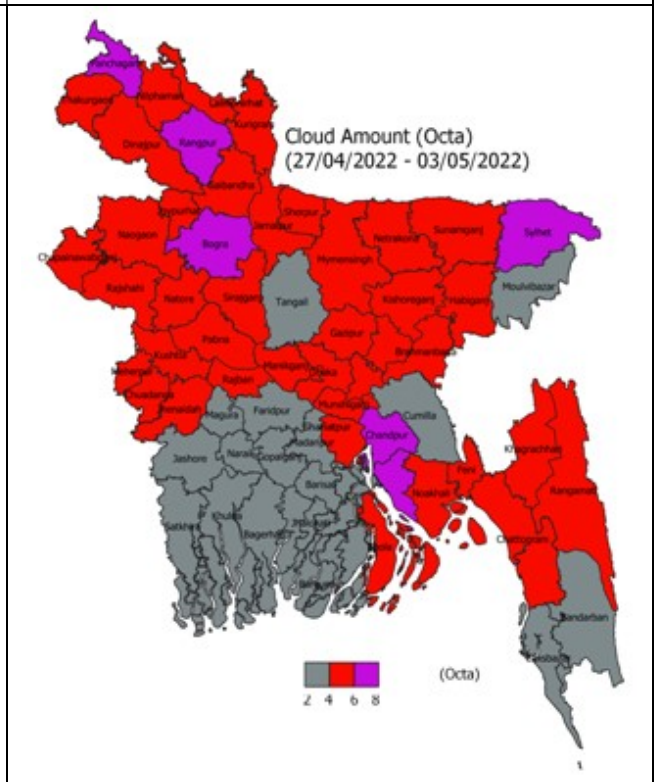
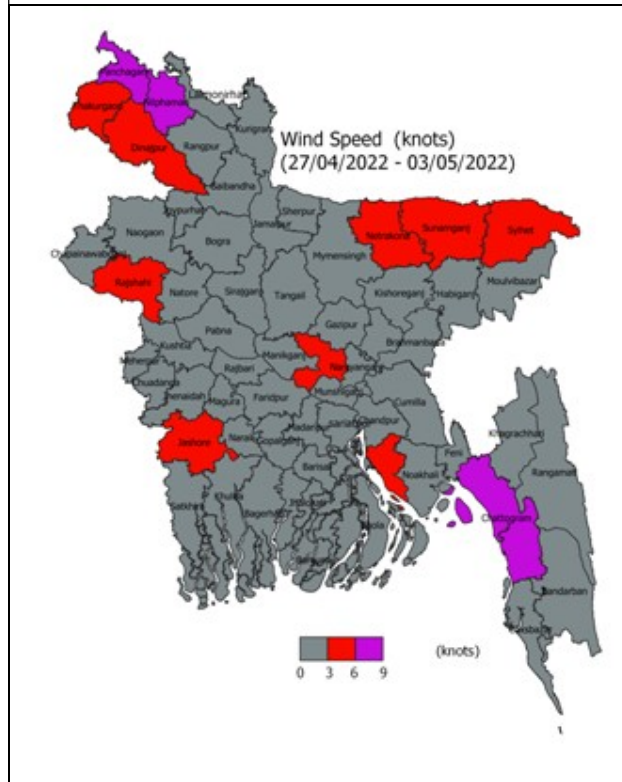
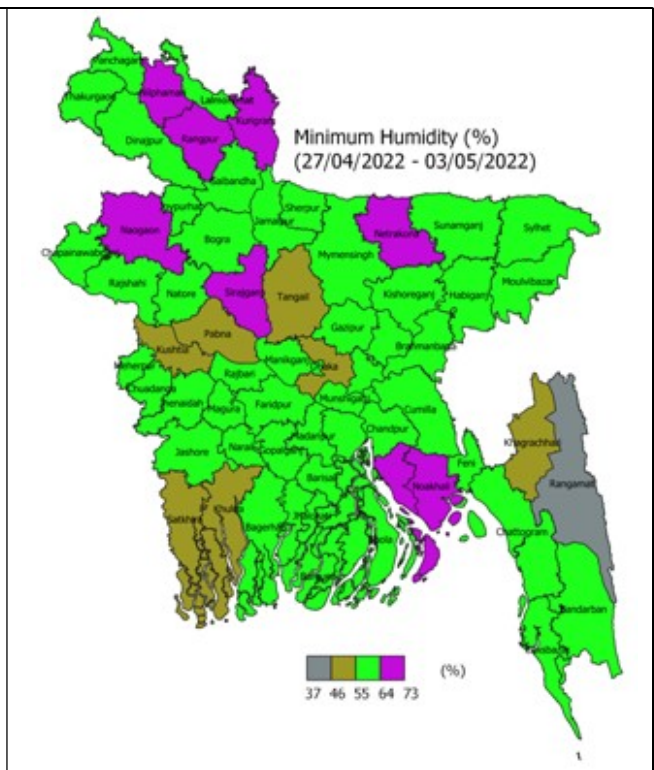
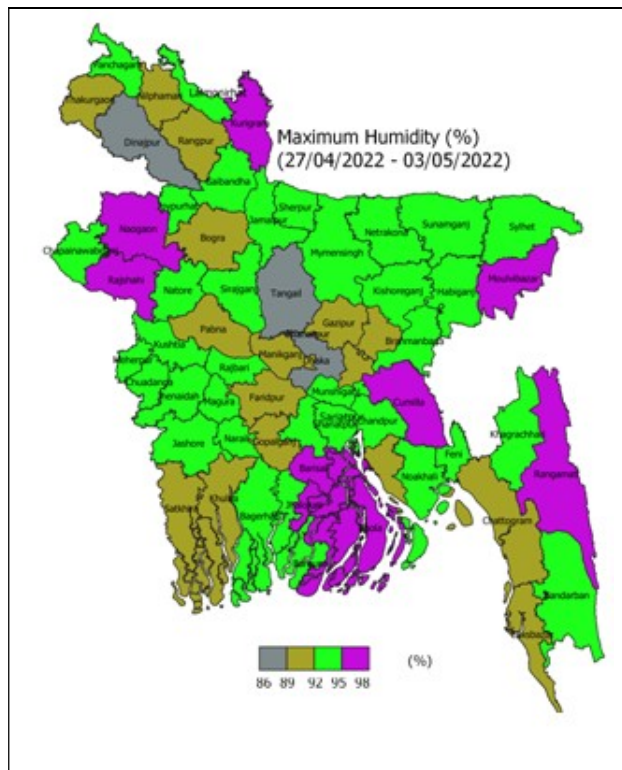
**Forecast:** Rain/thunder showers with intense lightning flashes and temporary gusty/squally wind is likely to occur at a few places over Dhaka, Khulna, Barishal & Chattogram divisions and at one or two places over Rangpur, Rajshahi, Mymensingh & Sylhet divisions.

**Temperature:** Day temperature may rise by (1-3)°C and night temperature may rise by (1-2)°C over the country.

## Spatial Distribution of weather parameters for the Week ending 03 May 2022







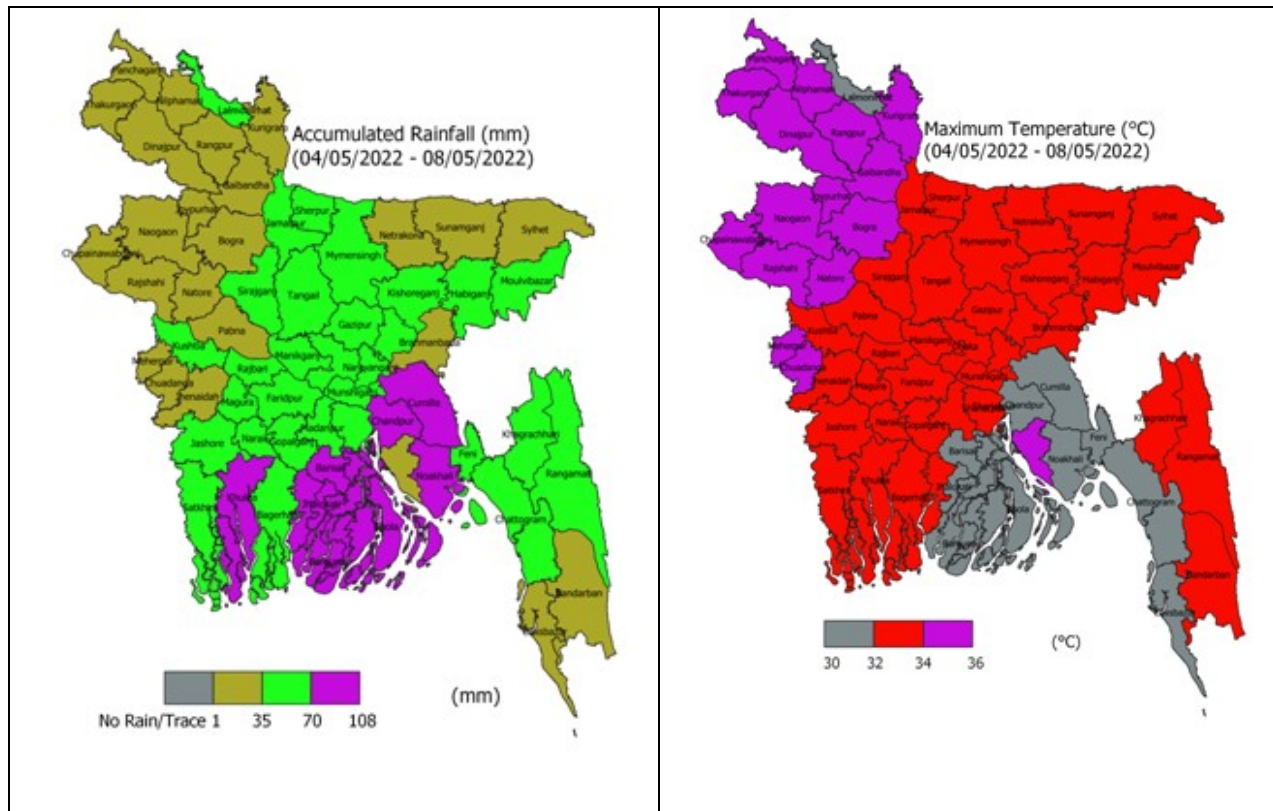


## Weather Forecast and Advisory for the Period of 05.05.2022 to 11.05.2022

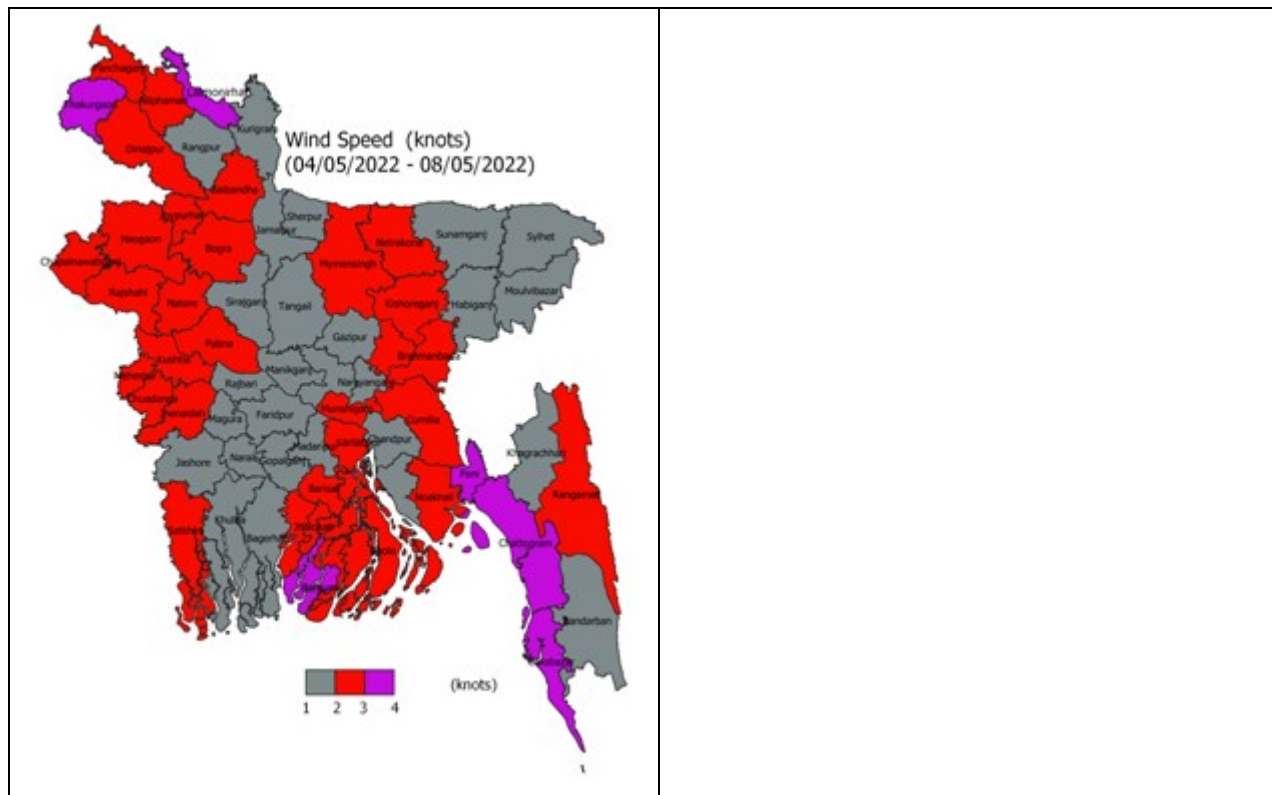
Bright sunshine hour is likely to be from 6.00 to 7.00 hours per day during this week. Average free water loss is likely to be from 3.75 to 4.75 mm per day during this week.

- Light (04-10 mm/day) to moderate (11-22 mm/day) rain /thunder showers accompanied by temporary gusty/squally wind associated with isolated hails is likely to occur at one or two places (less than 25% area) over the country during 05 May to 09 May.
- Light (04-10 mm/day) to moderate (11-22 mm/day) rain /thunder showers accompanied by temporary gusty/squally wind associated with isolated hails is likely to occur at many places (50%-75% area) over the country during 10 May to 11 May with moderately heavy (23-43 mm/day) to heavy (44-88 mm/day) falls at places.
- A low pressure area is likely to form over South Andaman Sea and adjoining area around 6 may 2022 and intensify gradually.
- Slight rise in day & night temperature is expected over the country during 05 May to 09 May. Slight fall in day & night temperature is expected over the country during 10 May to 11 May.

### **District Wise Quantitative Weather Forecast for next Five days from 04 May-08 May 2022**

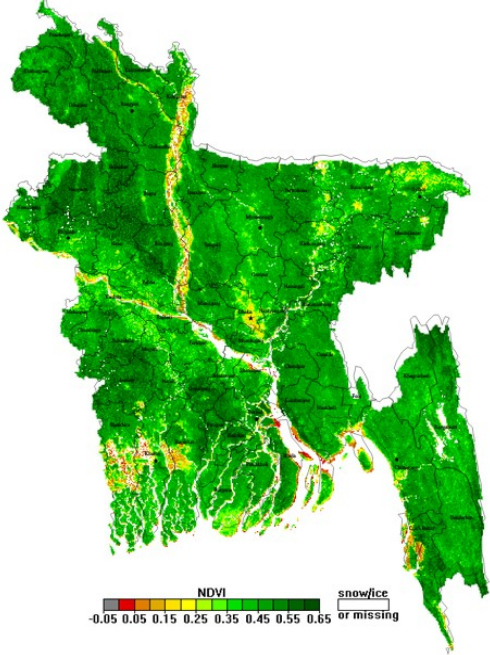




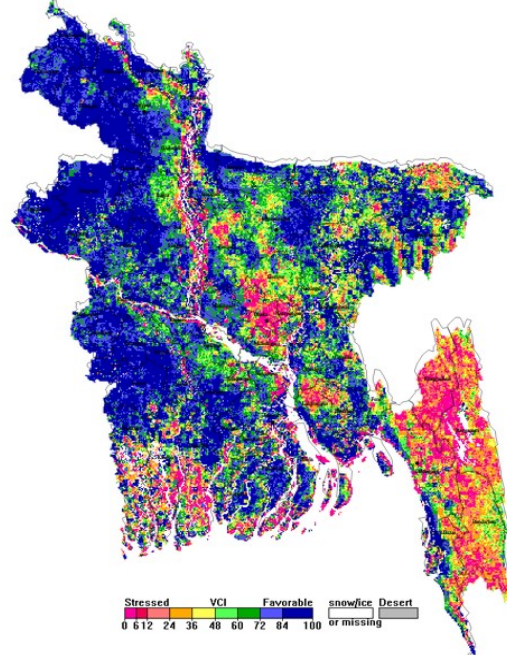


## Different Satellite Products over Bangladesh

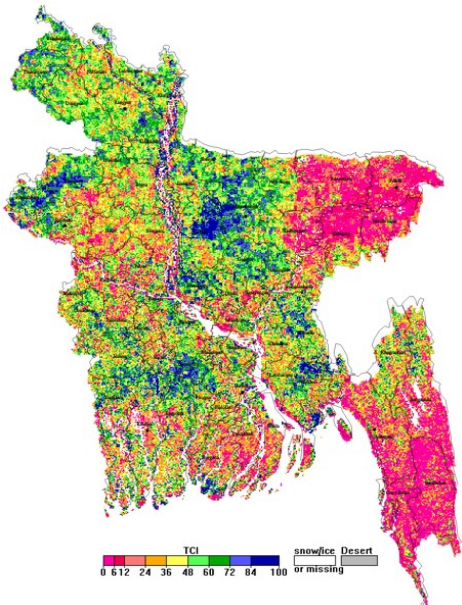
NOAA/VIIRS BLENDED NDVI composite for the week No. 17 (23 April-29 April) over Agricultural regions of Bangladesh



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

