



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**26 October 2022 (WEDNESDAY)
[FOR THE PERIOD 26.10.2022 – 30.10.2022]**



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

Agromet Advisories

According to the medium range forecast, there is no chance of rainfall in most of the districts of the country in the next five days. The following agromet advisories are provided in these circumstances:

Rice Aman

- Apply irrigation.
- Maintain 5-7 cm land water level.
- Present weather condition is congenial for False smut infestation. Apply Fertilizer management.
- Drain out water from the paddy field 15 days before harvesting
- If the crop is 80% mature, collect it in a sunny day.

Vegetable

- There is chance of Phomopsis disease in Brinjal under the prevailing weather condition. Spray Bavistin @ 1g/liter of water.
- In Bitter gourd, there is chance of Epilachna beetle- under the present weather conditions. At the initial stage of infestation, it's good to remove and burn the eggs with leaves and baby beetle. If the infestation is high then apply 2.5-gram Carbaryl or 2 ml carbosulfan per lit of water if the attack is severe.
- Early planted winter vegetables are in vegetative to flowering. Arrange mulching on the standing crop.
- Apply light Irrigation.

Horticultural

- The current weather is congenial for fruit blight and fruit rot disease in pomegranate, to control, spray Mancozeb 600g and Carbendazim 100 g @ 200 liter of water.
- Weather condition is favourable for the incidences of thrips in pomegranate to control thrips in pomegranate, spray Spinosad 2.5 SC @ 10 ml per 10 liters of water.
- Weather condition is favourable for the incidences of fruit fly in guava. Use fruit fly trap to control fruit fly damage in guava orchards.
- There is a chance of erwinia rot in banana due to weather condition in this season. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. Severely affected plants should be cut and removed to prevent the spread of disease
- Apply Irrigation.

Livestock

- Vaccinate the livestock for, anthrax, Black Quarter and foot and mouth diseases, if unvaccinated.
- Consult a veterinary hospital to prevent lumpy skin disease.
- Hygiene should be maintained around cattle shed. Avoid water logging in cattle shed.

- Only dry food should be provided for cattle.
- Use disinfectants like potassium permanganate/ bleaching powder in cow sheds.
- It is very important to provide a particular amount of dewormers for both roundworm and tapeworm to any cattle, goats, if cattle are not dewormed.
- Use naphthalene in cattle sheds to protect against mosquito's flies.
- Ensure safe livestock waste management to reduce carbon emissions.

Poultry

- It is very important to provide a particular amount of dewormers to poultry, if poultry are not dewormed.
- Spray disinfectant on poultry shade before placing poultry in poultry shade.
- Apply dry food and clean tap water for drinking purpose.
- Spray water on poultry shade during hot weather condition.
- Apply vaccinate if not vaccinated against Raniket and Gumboro disease.

Fishery

- Repair around the pond or surround it with netting to prevent fish from escaping the pond.
- Drain out excess water from the pond.
- Remove the unwanted fishes before leaving the new fingerling in the fish pond.
- If the pond lacks oxygen, stir the water and apply lime to clean the water.
- Contact the local fisheries office for any advice/information.

Special Post-Cyclone 'SITRANG' Agromet Advisories for the following districts:

Satkhira, Khulna, Bagerhat, Jhalokati, Pirojpur, Barguna, Patuakhali, Bhola, Barishal Lakshmipur, Chandpur, Naokhali, Feni, Chattogram and Cox's Bazar.

Agromet advisories are given below:

- Drain out excess water from the paddy field.
- When the water recedes from the land, make preparations for the preparation of boro seedbeds and sowing of rabi seeds.
- Collect mature and fallen paddy quickly and store in a safe place.
- Tie five/six bunches of immature and fallen paddy together.
- In the current growth stage of Aman paddy plant, fragrant cultivars may suffer from leaf blast and susceptible cultivars (like BRRI Dhan49, BRRI Dhan75, BRRI Dhan79) may develop false smut disease. To prevent panicle blast disease, mix tricyclazole group fungicides such as Trooper 8 grams per 10 liters of water or Strobil group fungicides such as Nativo 6 grams per 10 liters of water and spray 5 decimal of the land twice in the

afternoon at 7 days interval. Similarly, apply fungicides of the propiconazole group such as Tilt to prevent false smut disease.

- Re-sow vegetable seeds and plant seedlings after the water is drained out from the land.
- Keep livestock and poultry in a safe and dry place.
- Apply 250-300 grams of lime per decimal for cleaning if dirty water enters into the pond.

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 26 October 2022) and maximum temperature on 25 October and minimum temperature on 26 October 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	01	27.3	21.4	Chattogram	Chattogram	00	28.5	22.0	
	Tangail	02	27.0	21.0		Sandwip	00	29.2	20.3	
	Faridpur	00	28.5	21.4		Sitakunda	00	28.5	19.6	
	Madaripur	00	27.3	20.9		Rangamati	00	29.0	20.8	
	Gopalganj	00	28.0	20.6		Cumilla	01	27.7	20.3	
	Nikli	01	26.7	21.0		Chandpur	01	28.2	20.8	
Rajshahi	Rajshahi	00	31.5	21.8		M.Court	00	28.6	21.4	
	Ishurdi	00	29.2	21.7		Feni	00	29.0	20.0	
	Bogura	01	27.8	19.8		Hatiya	00	xx	21.2	
	Badalgachhi	00	28.5	21.5		Cox's Bazar	00	32.0	22.5	
	Tarash	00	28.4	21.4		Kutubdia	00	29.2	22.1	
						Teknaf	00	31.8	26.0	
Rangpur	Rangpur	02	28.4	21.5		Khulna	Khulna	00	29.5	21.2
	Dinajpur	00	28.0	21.1			Mongla	00	29.1	21.6
	Sayedpur	00	29.4	21.0			Satkhira	00	28.9	21.0
	Tetulia	00	26.7	19.4			Jashore	00	29.8	21.0
	Dimla	03	28.0	22.0			Chuadanga	00	29.7	21.2
	Rajarhat	04	27.5	21.2	Kumarkhali		00	28.5	20.6	
Mymensingh	Mymensingh	Trace	27.2	22.3	Barishal	Barishal	00	28.8	20.5	
	Netrokona	01	26.4	21.5		Patuakhali	00	29.6	21.3	
Sylhet	Sylhet	Trace	25.9	21.2		Khepupara	00	29.6	20.9	
	Srimangal	01	25.6	19.5		Bhola	00	28.8	20.1	

Highlights:

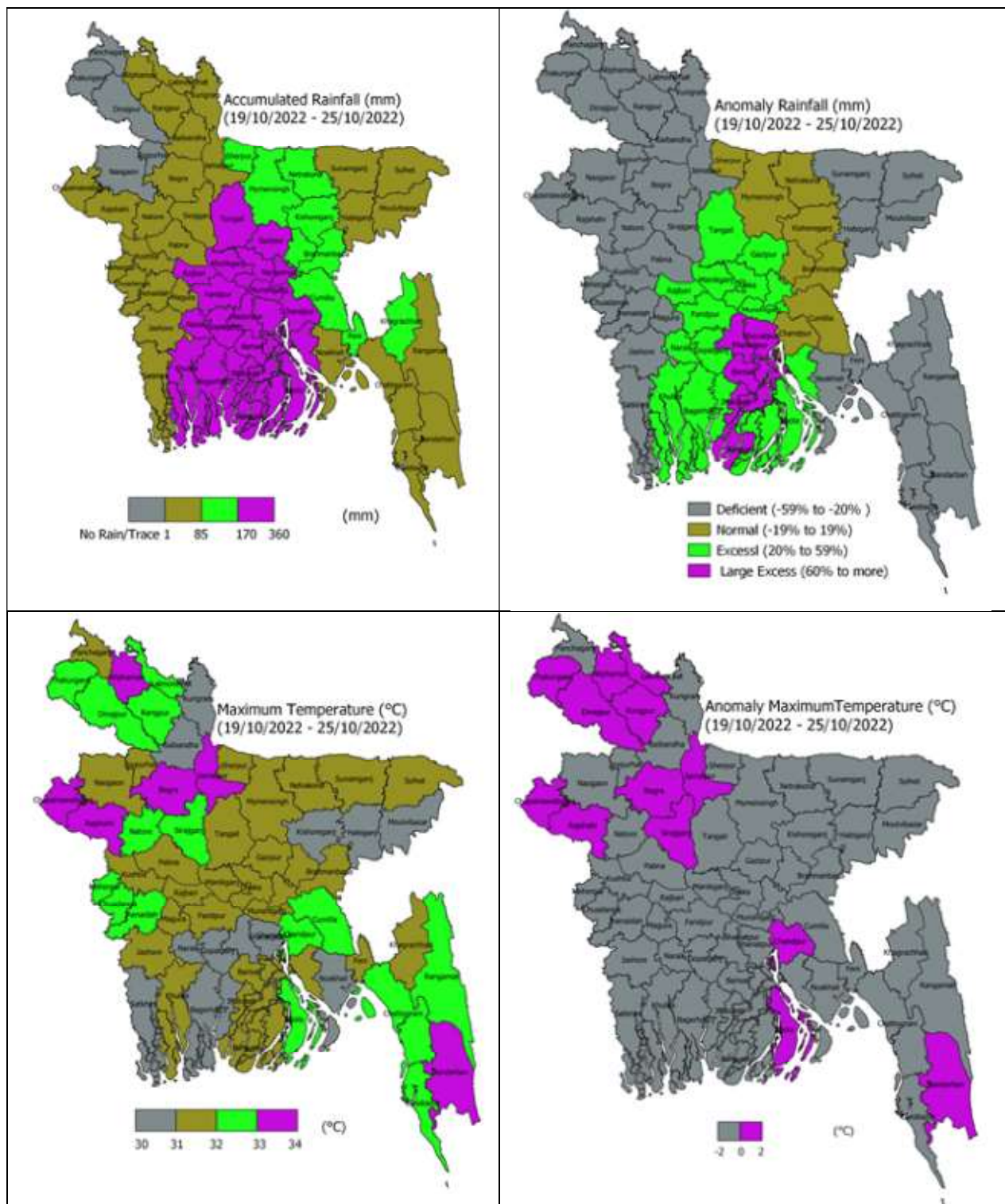
- Country average bright sunshine hour was 8.81 hours per day during last week.
- Country average free water loss during the previous week was 3.58 mm per day.

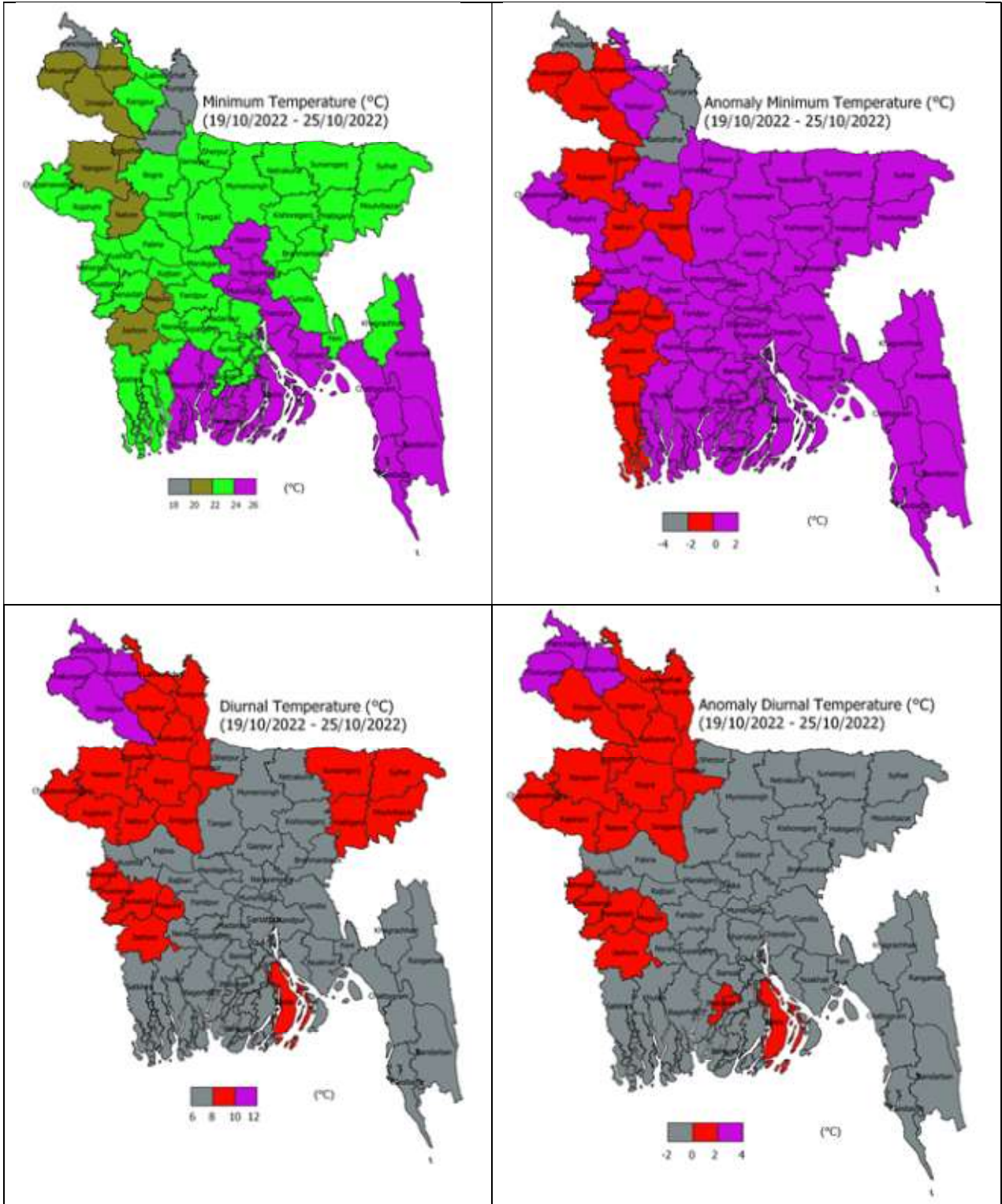
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

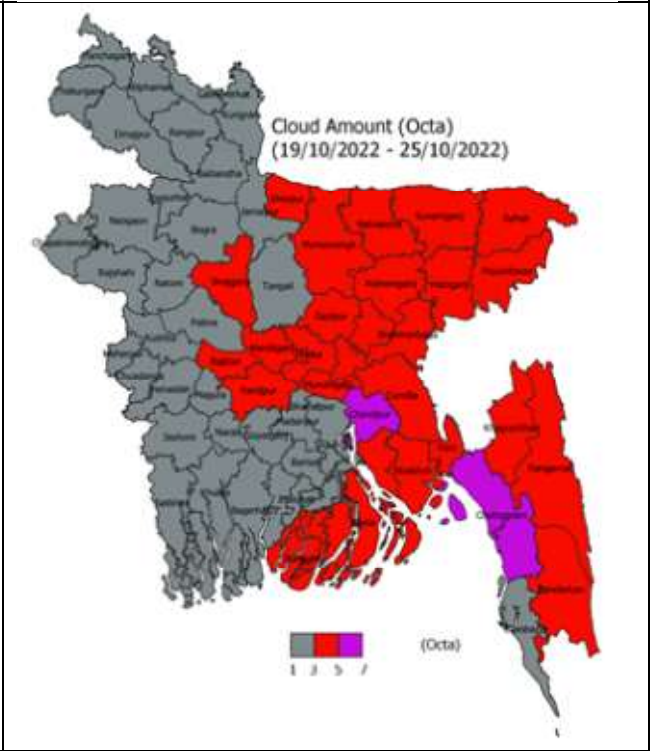
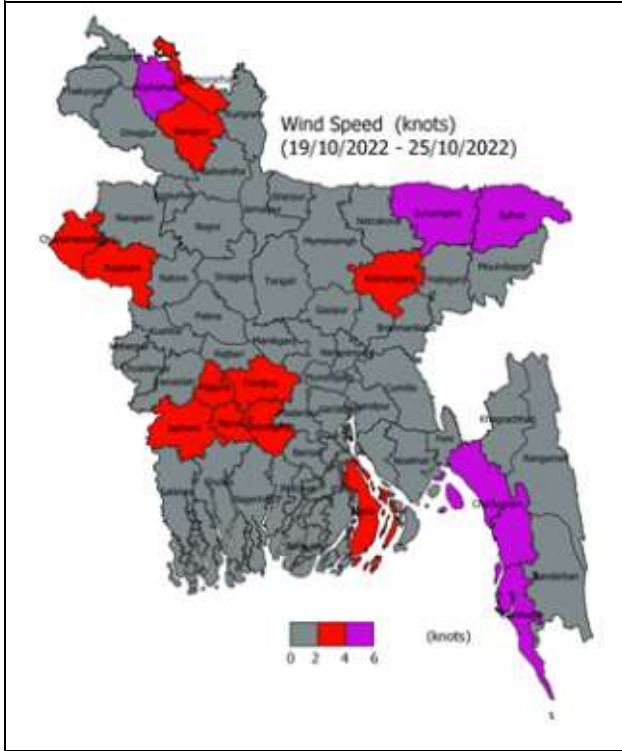
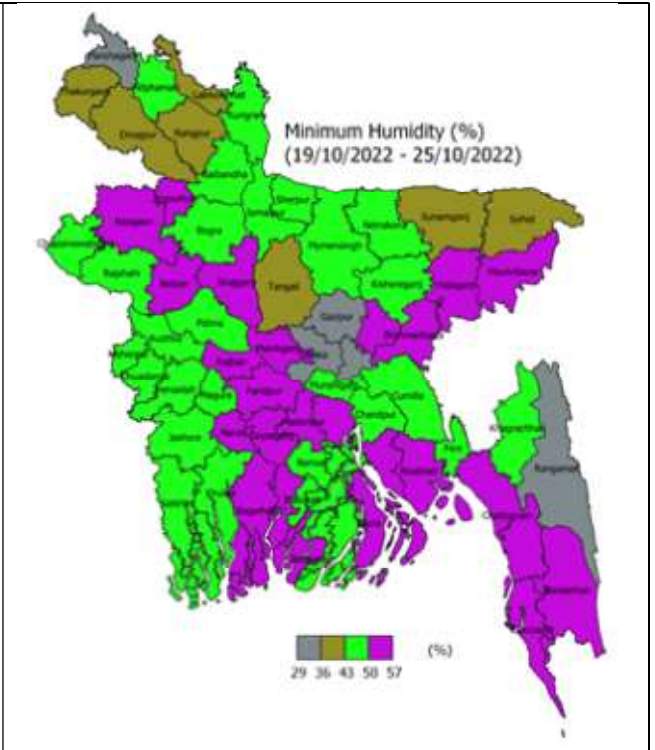
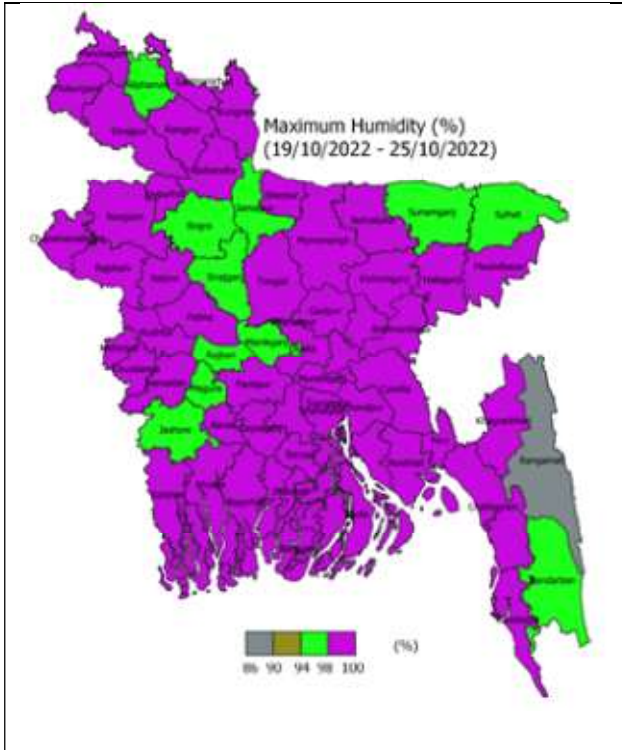
Forecast: Light rain is likely to occur at one or two places over Mymensingh and Sylhet divisions. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

Temperature: Day and night temperature may rise by (1-2)° Cover the country.

Spatial Distribution of weather parameters for the Week ending 25 October 2022





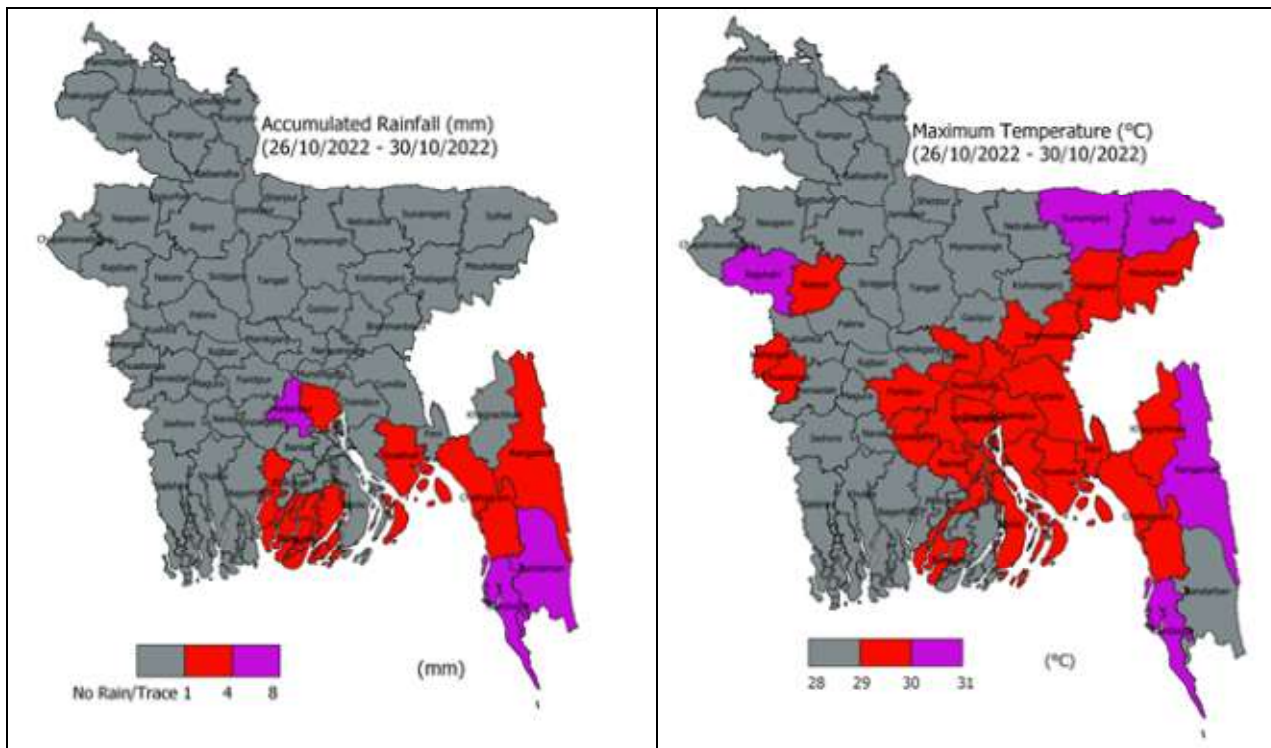


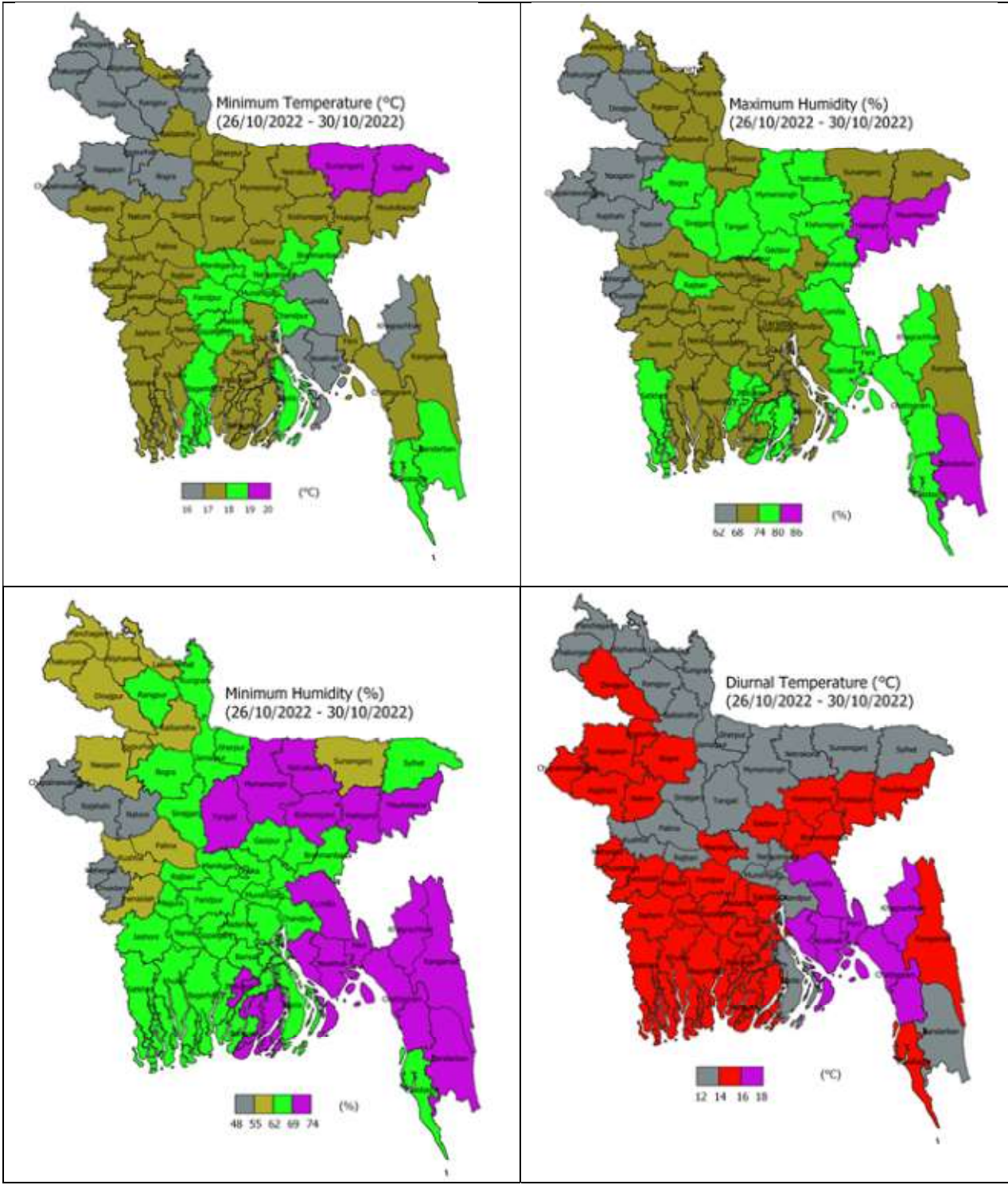
Weather Forecast and Advisory for the Period of 23.10.2022 to 31.10.2022

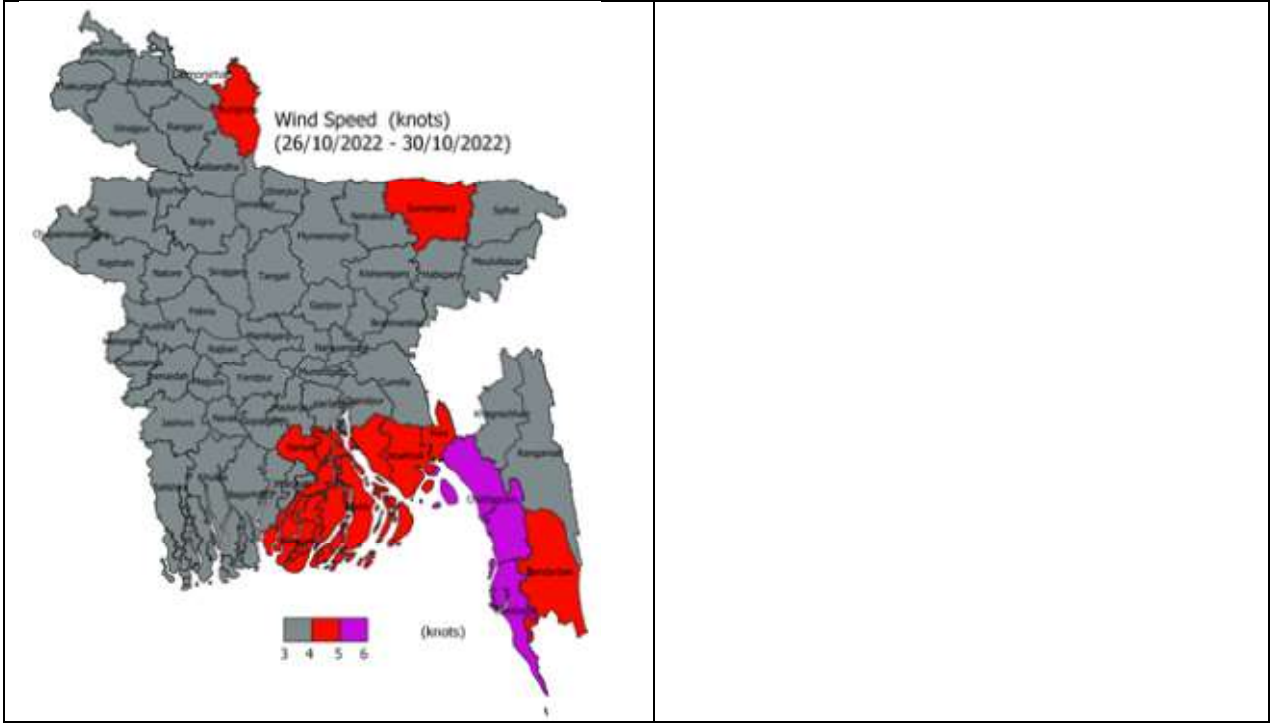
Bright sunshine hour is likely to be from 4.00 to 6.00 hours per day during this week. Average free water loss is likely to be from 3.0 to 4.0 mm per day during this week.

- The low pressure area over Andaman Sea and adjoining area intensified into a Deep Depression over East- central Bay & adjoining area. It may intensify into a Cyclonic Storm & cross Barishal-Chatto gram coast within next 48 hours.
- Light (01-10 mm/day) to moderate (11-22 mm/day) rain/thunder showers accompanied by temporary gusty/squally wind with lightning flashes is likely to occur at most places (76%-100% area) over Khulna, Barishal, Chattogram, Dhaka, Sylhet & Mymensingh divisions with heavy (44-88 mm/day) to very heavy (>88 mm/day) falls at places and at a few places (26%-50% area) over Rangpur & Rajshahi divisions during the 1st half of this period.
- Weather may remain mainly dry with a chances of isolated light rain over the country during the 2nd half of this period.
- All related departments are requested to take necessary precautionary measures accordingly.
- Day temperature may fall by (1-4)^oc & night temperature may fall by (1-2)^oc over the country during the period.

District Wise Quantitative Weather Forecast for next Five days from 26 Oct.-30 Oct. 2022

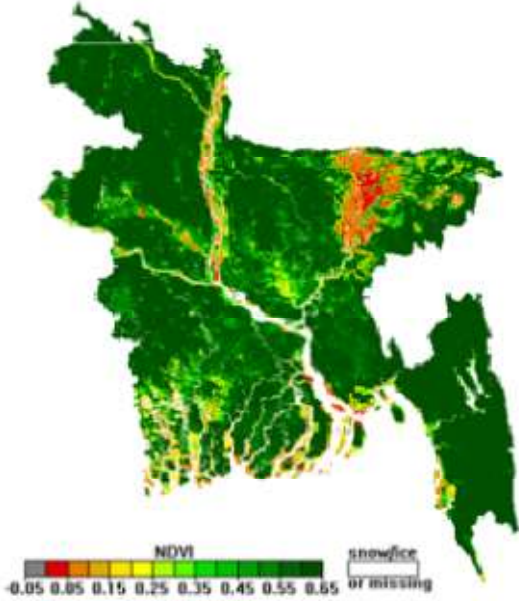




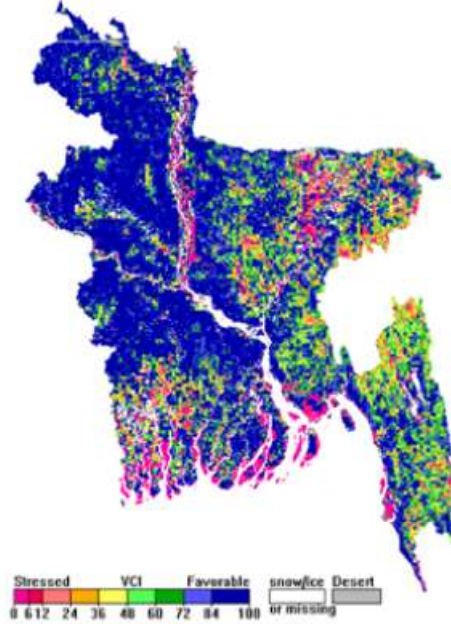


Different Satellite Products over Bangladesh

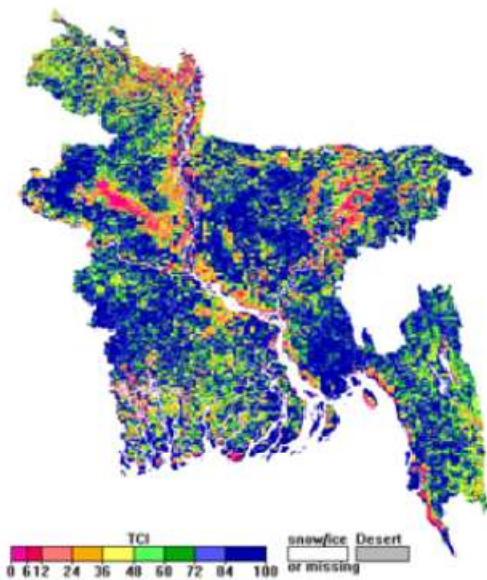
NOAA/VIIRS BLENDED NDVI composite for the week. No. 42 (15 October-21 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 42 (15 October-21 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 42 (15 October-21 October) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 42 (15 October-21 October) over Agricultural regions of Bangladesh

