



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

27 April 2022 (WEDNESDAY)
[FOR THE PERIOD 27.04.2022 – 01.05.2022]



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 lightning flashes and temporary gusty/squally wind is likely to occur at one or two places over Rangpur, Mymensingh & Sylhet divisions. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country. Mild to moderate heat wave is sweeping over Khulna division and the regions of Faridpur, Rajshahi, Pabna & Rangamati 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' rain/thunder showers activity may increase. During last four days, light to heavy rainfall occurred at a few district over the country and as per the quantitative medium range weather forecast; there is no 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 / Strobilin 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 isoprocab / 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.
- 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.
- Apply light irrigation and pesticides, if necessary.

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.
- 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:

- 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 27 April 2022) and maximum temperature on 26 April and minimum temperature on 27 April 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	35.5	26.8	Rajshahi	Rajshahi	00	39.9	28.0
	Tangail	00	35.5	24.5		Ishurdi	00	38.8	27.0
	Faridpur	00	36.5	26.7		Bogura	00	35.0	24.2
	Madaripur	00	36.2	26.8		Badalgachhi	00	34.6	24.5
	Gopalganj	00	36.8	27.0		Tarash	00	35.5	24.2
	Nikli	00	35.0	22.0					
Mymensingh	Mymensingh	00	34.0	21.8	Rangpur	Rangpur	07	34.6	22.2
	Netrokona	23	34.0	20.0		Dinajpur	00	34.7	23.3
						Sayedpur	09	34.8	21.0
Chattogram	Chattogram	00	33.6	27.3	Khulna	Tetulia	00	32.0	23.0
	Sandwip	00	33.6	27.4		Dimla	10	32.5	20.5
	Sitakunda	00	xx	27.5		Rajarhat	10	33.0	21.8
	Rangamati	02	36.2	25.5	Barishal	Khulna	00	37.5	27.2
	Cumilla	00	34.6	26.4		Mongla	00	37.2	27.0
	Chandpur	00	35.5	27.0		Satkhira	00	37.1	27.5
	M.Court	00	35.2	27.2		Jashore	00	38.2	26.6
	Feni	00	34.5	26.5		Chuadanga	00	38.7	26.7
	Hatiya	00	34.2	26.3		Kumarkhali	00	37.2	27.0
	Cox's Bazar	00	34.0	26.6					
	Kutubdia	00	33.8	25.8					
	Teknaf	00	34.0	26.6					
	Sylhet	Sylhet	13	34.3	20.5				
Srimangal		Trace	35.6	21.5					

Highlights:

- Country average bright sunshine hour was 5.87 hours per day during last week.
- Country average free water loss during the previous week was 4.05 mm per day.

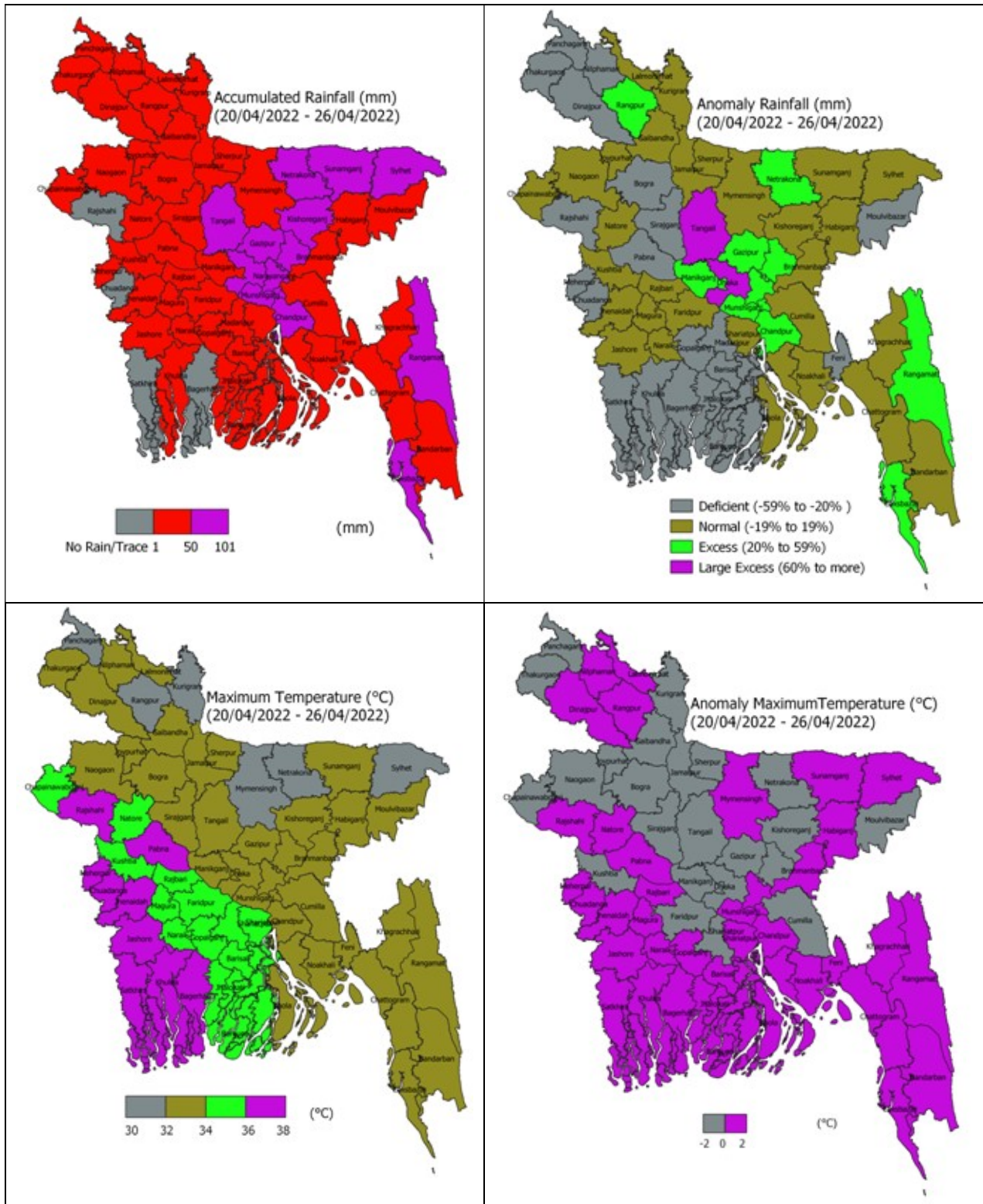
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

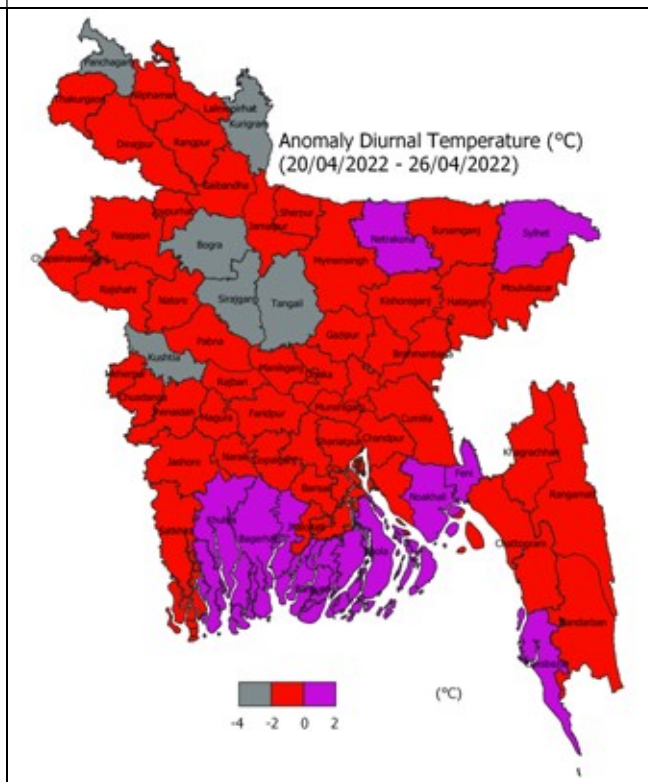
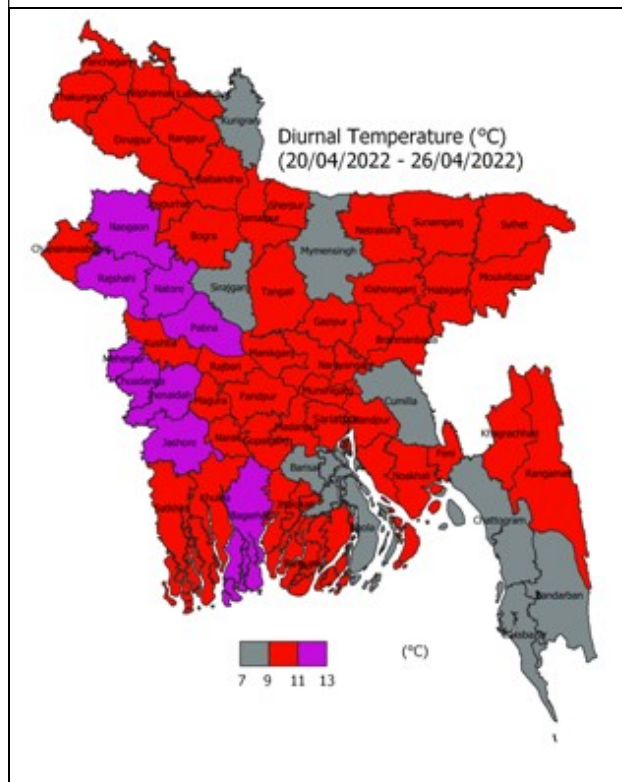
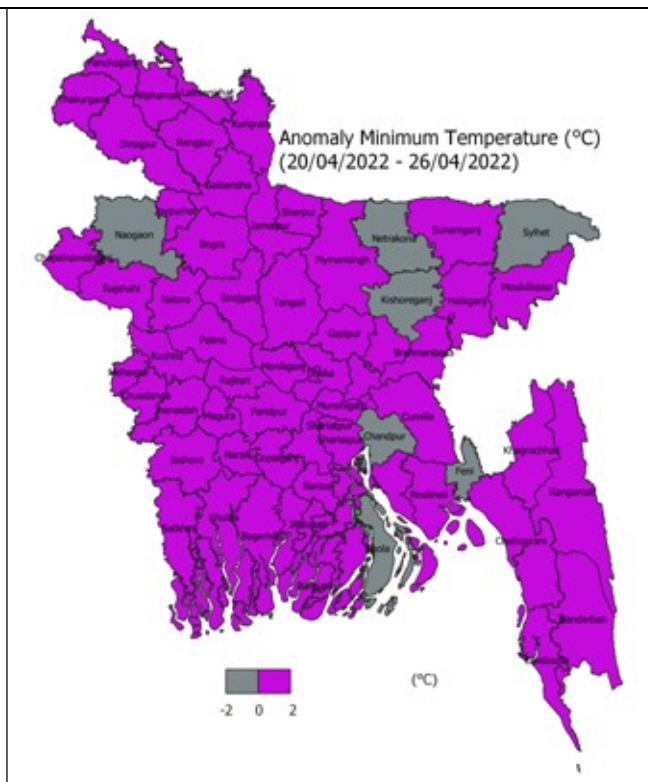
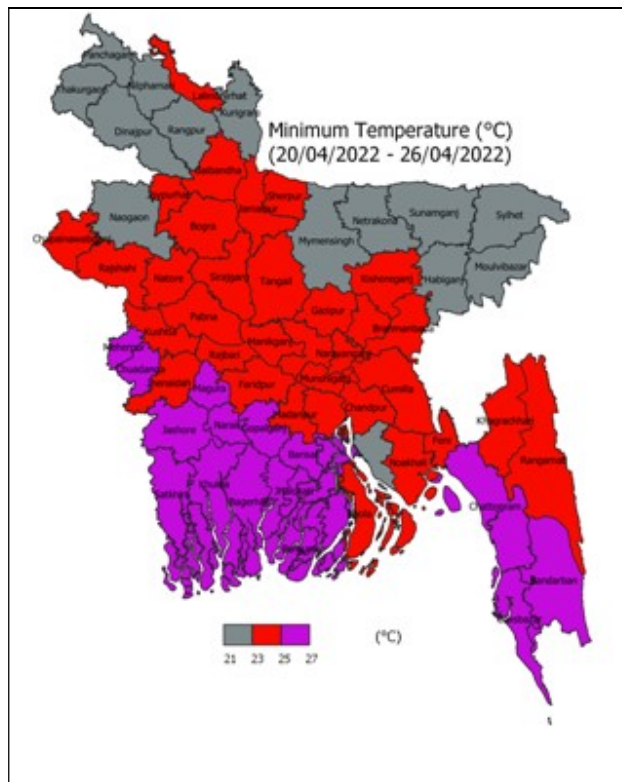
Forecast: Rain/thunder showers with lightning flashes and temporary gusty/squally wind is likely to occur at one or two places over Rangpur, Mymensingh & Sylhet divisions. Weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country.

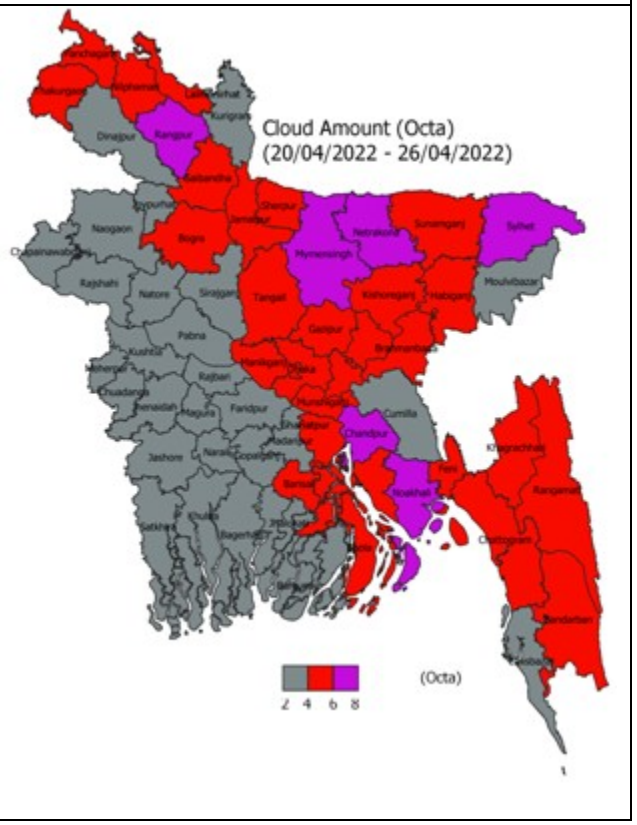
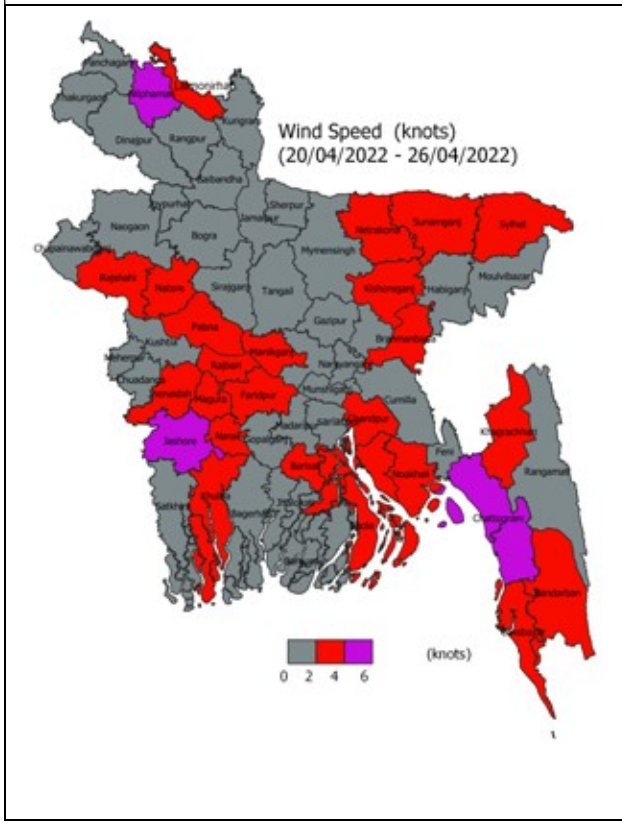
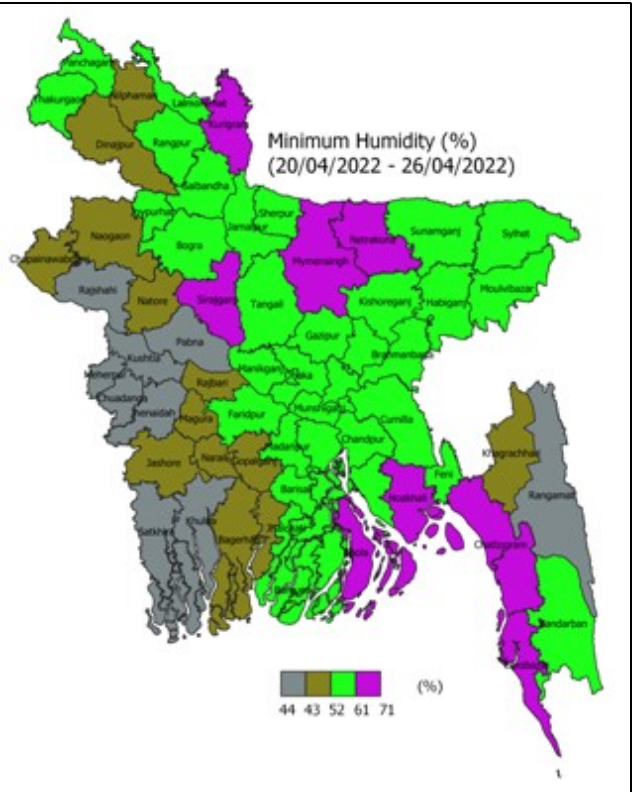
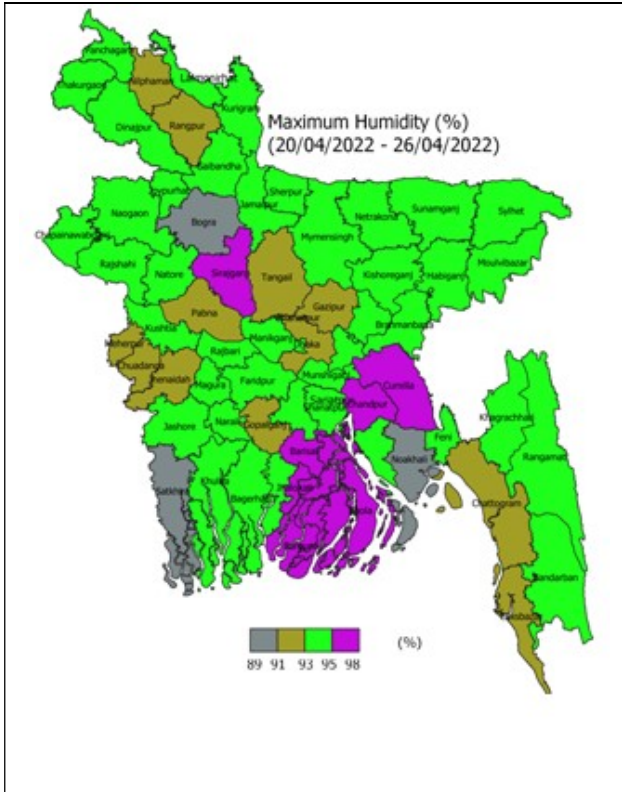
Heat Wave: Mild to moderate heat wave is sweeping over Khulna division and the regions of Faridpur, Rajshahi, Pabna & Rangamati and it may continue.

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

Spatial Distribution of weather parameters for the Week ending 26 April 2022





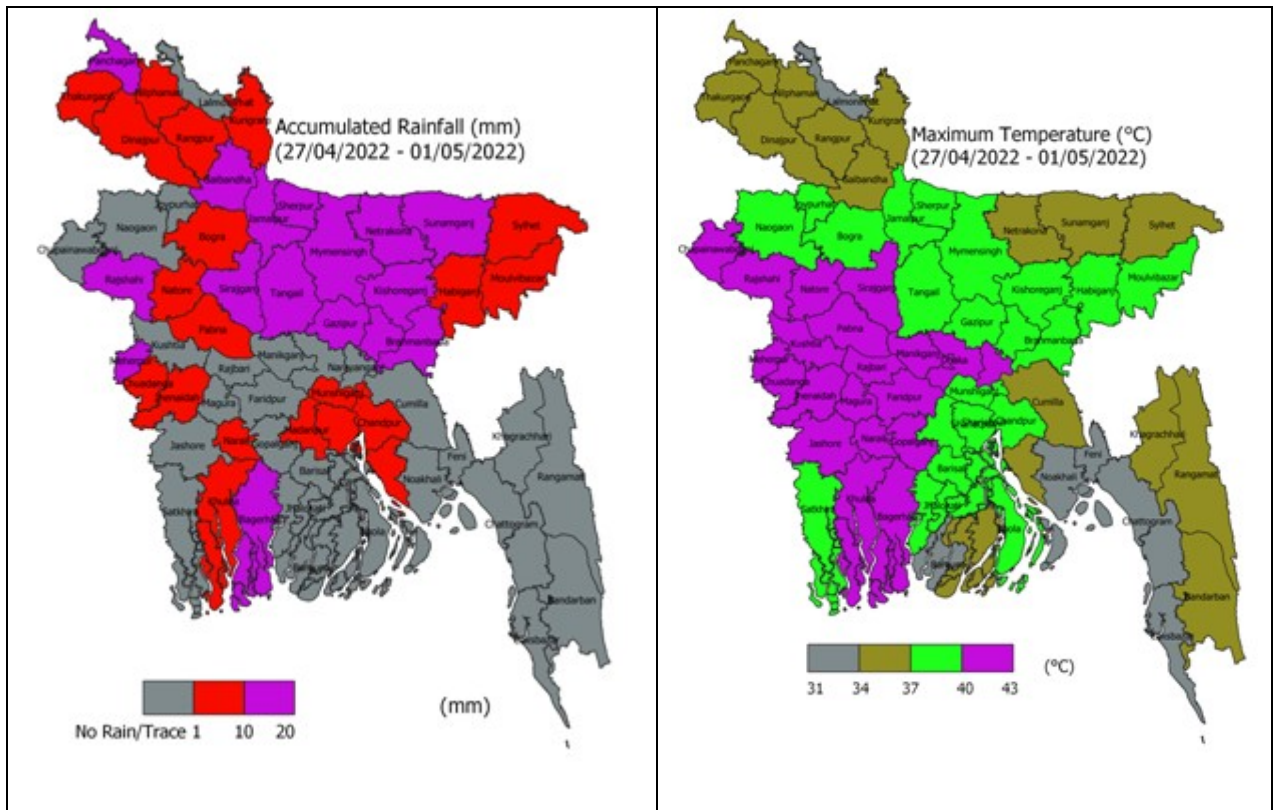


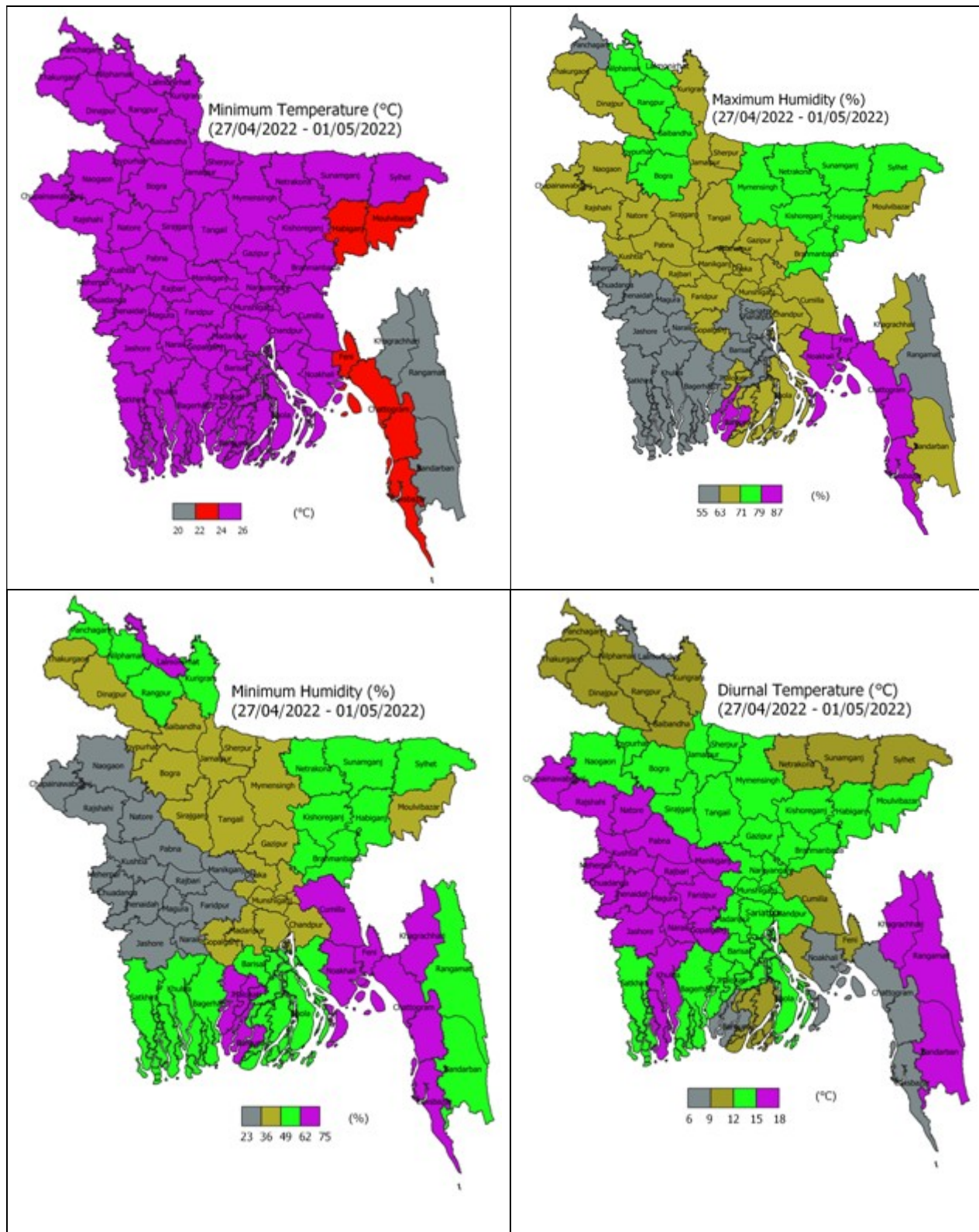
Weather Forecast and Advisory for the Period of 24.04.2022 to 04.05.2022

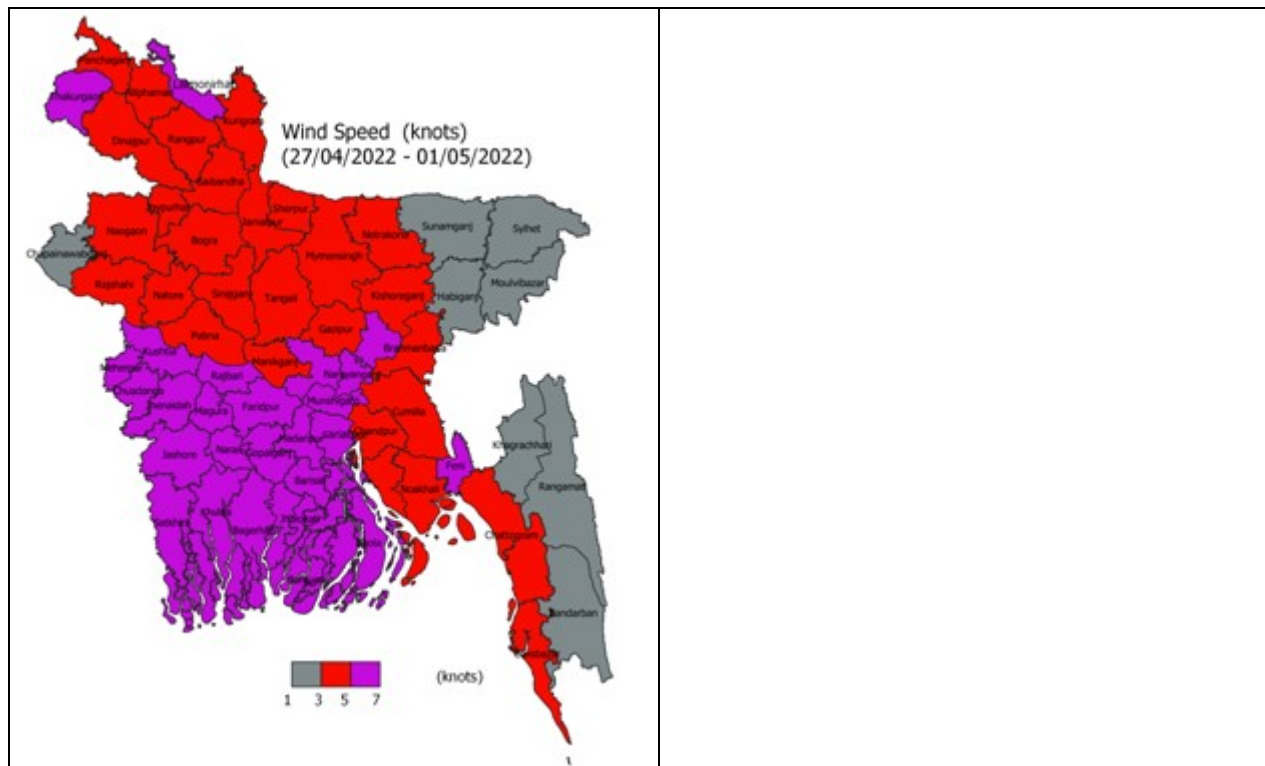
Bright sunshine hour is likely to be from 5.50 to 6.50 hours per day during this week. Average free water loss is likely to be from 3.25 to 4.25 mm per day during this week.

- 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 Sylhet, Mymensingh & Rangpur divisions and at one or two places (less than 25% area) elsewhere over the country during the 1st half of this period
- 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 Sylhet, Mymensingh, Rangpur, Dhaka, Rajshahi & Chattogram divisions & at a few places (25%-50% area) over Barishal & Khulna divisions and heavy (44-88 mm/day) to very heavy (>88 mm/day) falls at places over Sylhet division during the 2nd half of this period.
- Slight fall in day & night temperature is expected over the country during the 2nd half of this period.

District Wise Quantitative Weather Forecast for next Five days from 27 April-01 May 2022

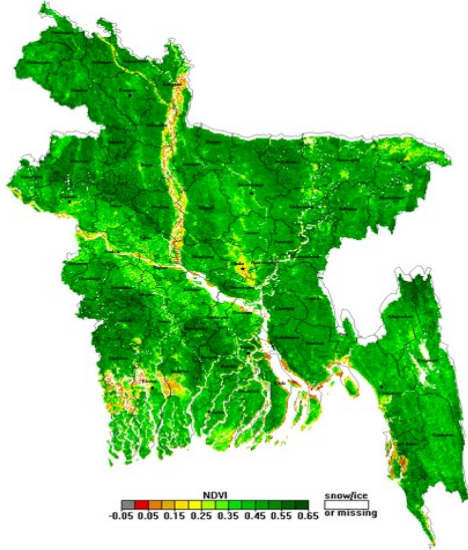




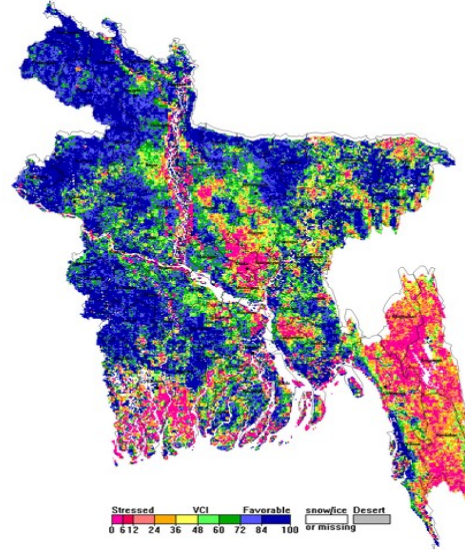


Different Satellite Products over Bangladesh

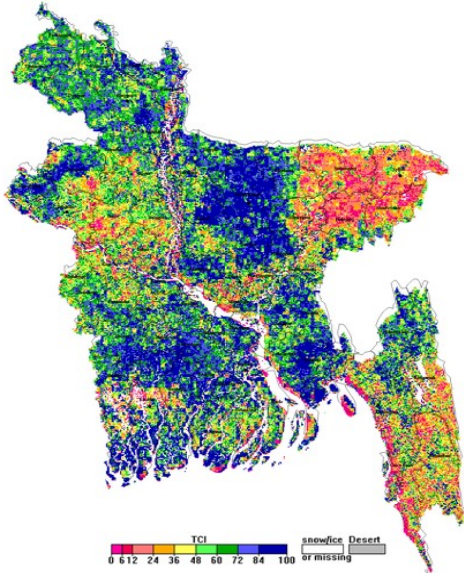
NOAA/VIIRS BLENDED NDVI composite for the week No. 16 (16 April-22 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 16 (16 April-22 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 16 (16 April-22 April) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 16 (16 April-22 April) over Agricultural regions of Bangladesh

