



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

25 May 2022 (WEDNESDAY)
[FOR THE PERIOD 25.05.2022 – 29.05.2022]



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 & temporary gusty/squally wind is likely to occur at many places over Rangpur, Rajshahi, Dhaka, Mymensingh, Chattogram & Sylhet divisions and at a few places over Khulna & Barishal divisions. Mild heat wave is sweeping over Khulna division and the districts of Gopalganj, Chandpur, Noakhali, Feni, Pabna, Rajshahi, Barishal & Patuakhali and it may abate from some places. Day and night temperature may fall slightly over the country. As per the outlook issued by BMD for next 72 hours' is likely little change. During last four days, light to very 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.
- 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.
- 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 intercultural 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 25 May 2022) and maximum temperature on 24 May and minimum temperature on 25 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	00	35.0	27.1	Rajshahi	Rajshahi	00	36.7	25.8
	Tangail	00	35.6	25.5		Ishurdi	09	36.0	25.8
	Faridpur	11	34.5	25.4		Bogura	00	35.8	24.5
	Madaripur	00	35.2	24.6		Badalgachhi	05	35.5	25.0
	Gopalganj	00	36.0	25.6		Tarash	00	35.5	xx
	Nikli	00	32.5	25.6					
Mymensingh	Mymensingh	02	34.6	26.3	Rangpur	Rangpur	00	35.5	26.5
	Netrokona	00	35.4	26.6		Dinajpur	00	35.2	26.0
						Sayedpur	04	35.4	25.0
Chattogram	Chattogram	33	32.0	<u>23.5</u>		Tetulia	00	34.8	25.8
	Sandwip	00	34.1	24.5		Dimla	00	35.0	26.0
	Sitakunda	05	33.7	24.0		Rajarhat	00	35.3	26.4
	Rangamati	04	33.5	24.0	Khulna	Khulna	00	37.5	28.0
	Cumilla	00	35.2	24.5		Mongla	00	36.2	27.0
	Chandpur	02	36.7	25.0		Satkhira	02	36.5	26.5
	M.Court	<u>59</u>	36.5	24.0		Jashore	00	<u>37.6</u>	26.0
	Feni	52	36.0	24.0		Chudadanga	00	36.5	26.3
	Hatiya	10	xx	25.0		Kumarkhali	00	35.5	26.5
	Cox's Bazar	06	32.5	24.0	Barishal	Barishal	08	36.0	24.7
Kutubdia	00	32.4	<u>23.5</u>	Patuakhali		10	36.0	25.2	
Teknaf	05	28.5	26.0	Khepupara		00	35.3	25.3	
				Bhola		01	35.0	24.5	
Sylhet	Sylhet	Trace	35.7	26.2					
	Srimangal	01	34.5	24.0					

Highlights:

- Country average bright sunshine hour was 5.26 hours per day during last week.
- Country average free water loss during the previous week was 3.78 mm per day.

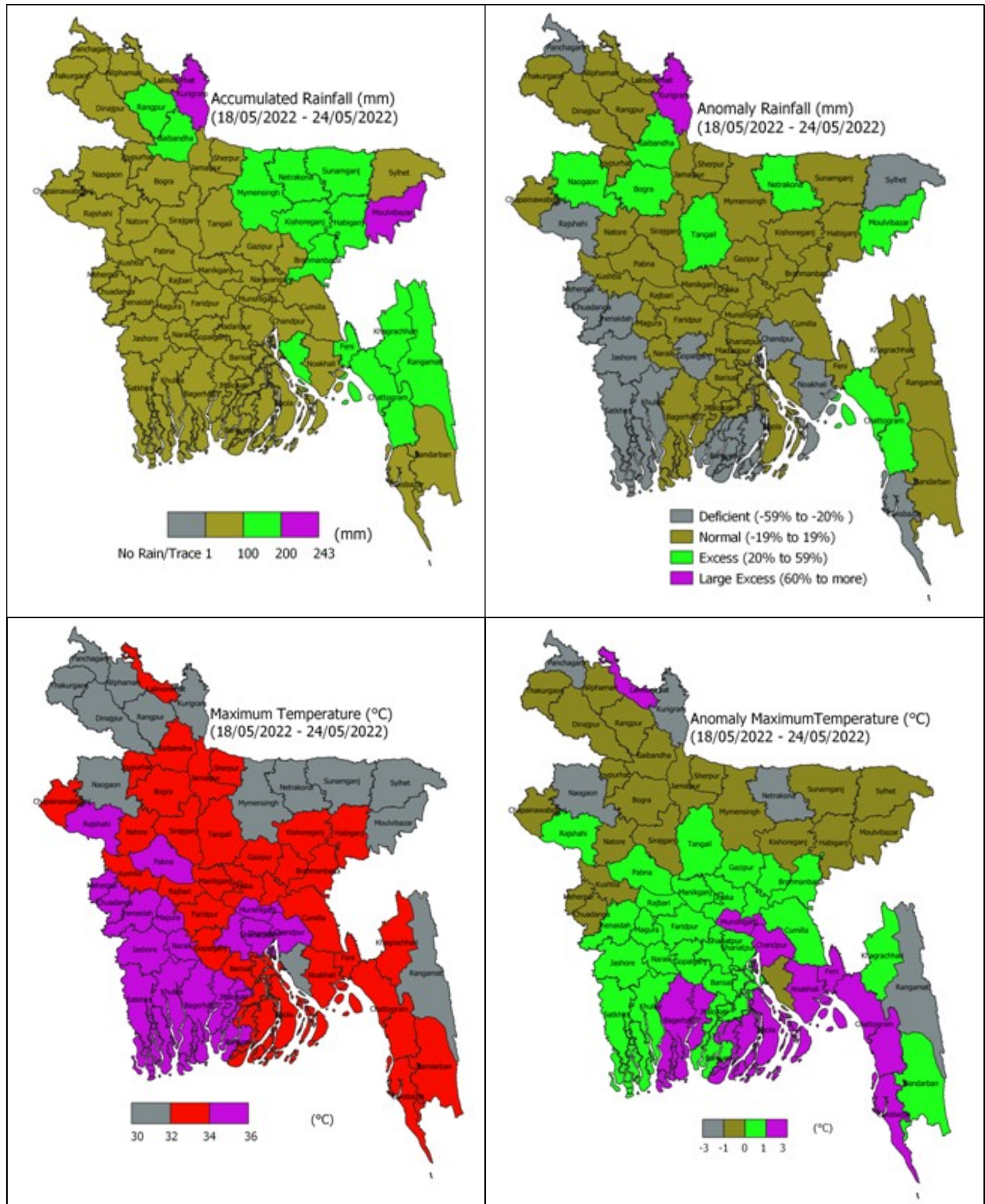
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

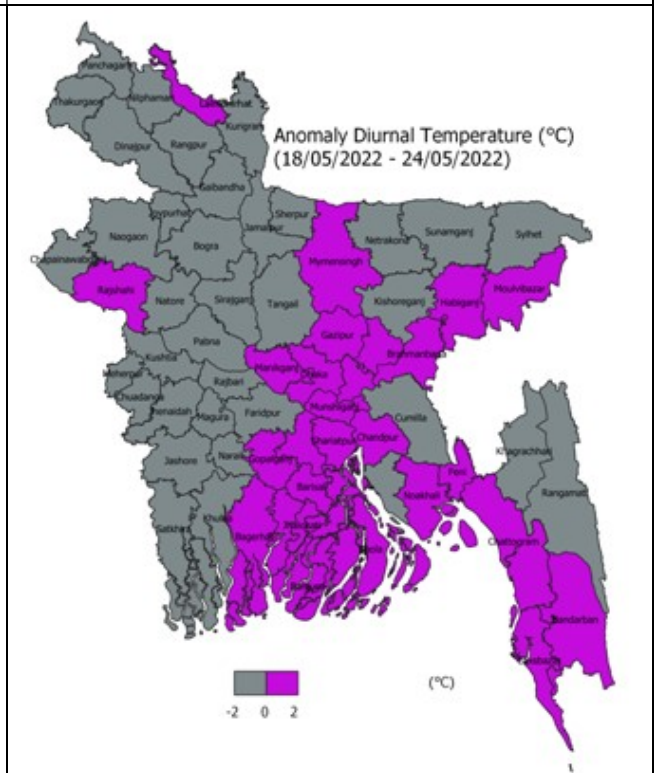
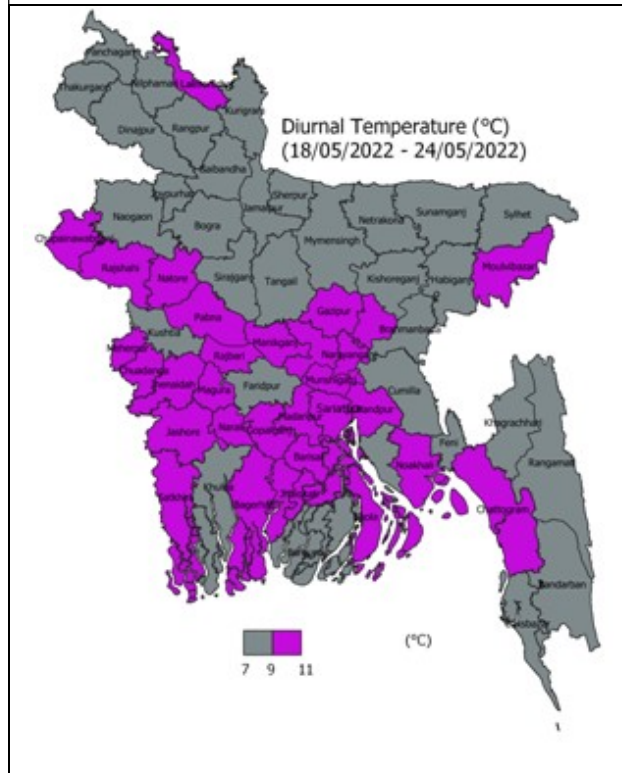
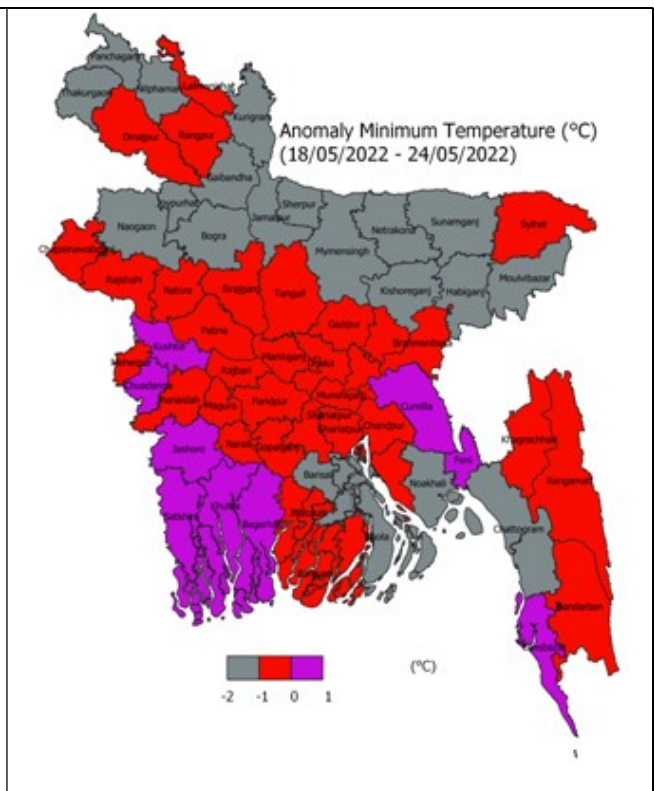
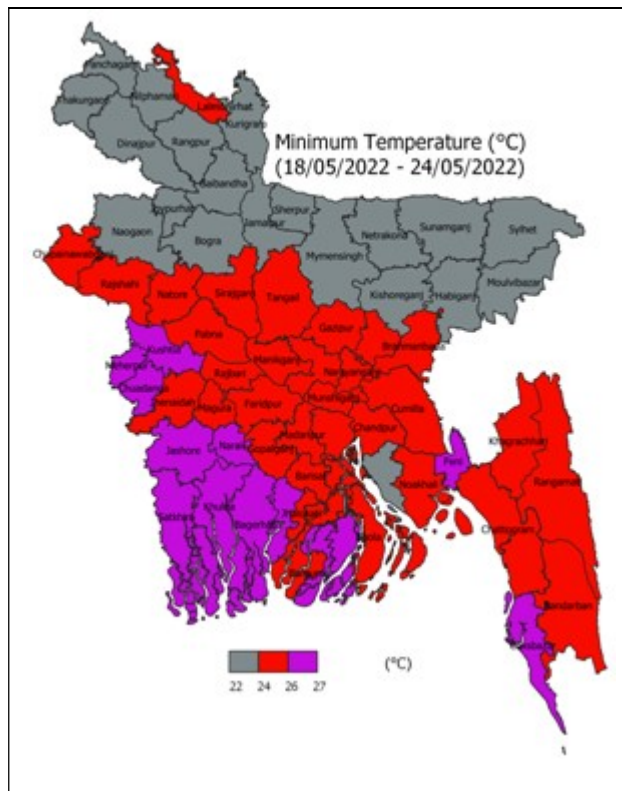
Forecast: Rain/thunder showers with lightning flashes & temporary gusty/squally wind is likely to occur at many places over Rangpur, Rajshahi, Dhaka, Mymensingh, Chattogram & Sylhet divisions and at a few places over Khulna & Barishal divisions.

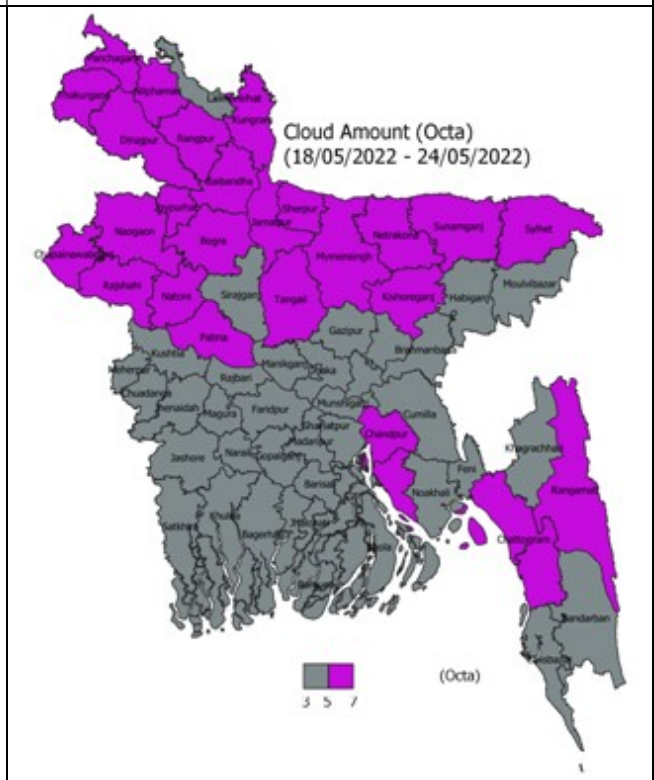
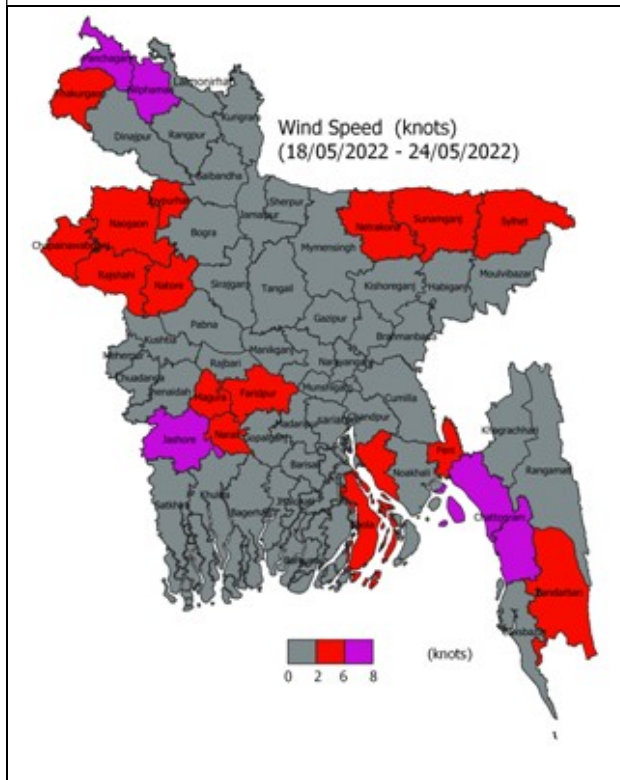
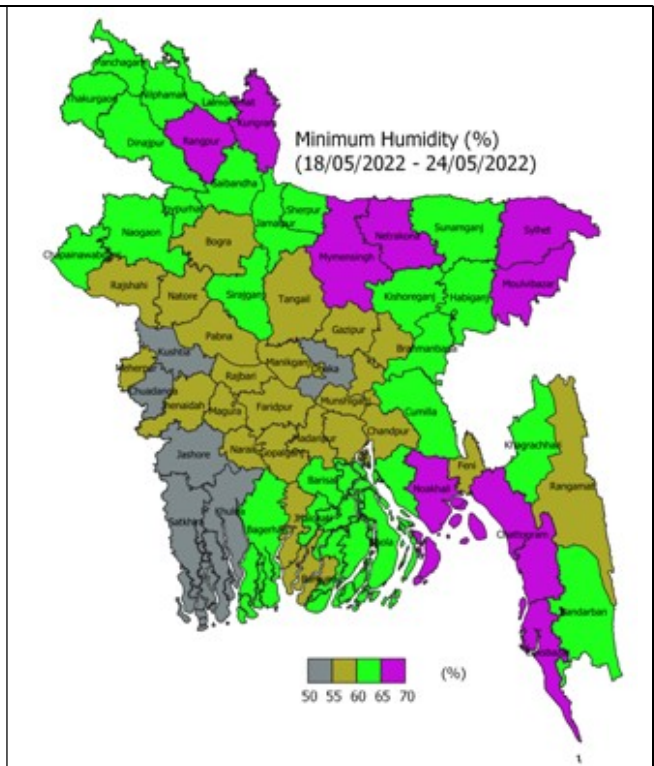
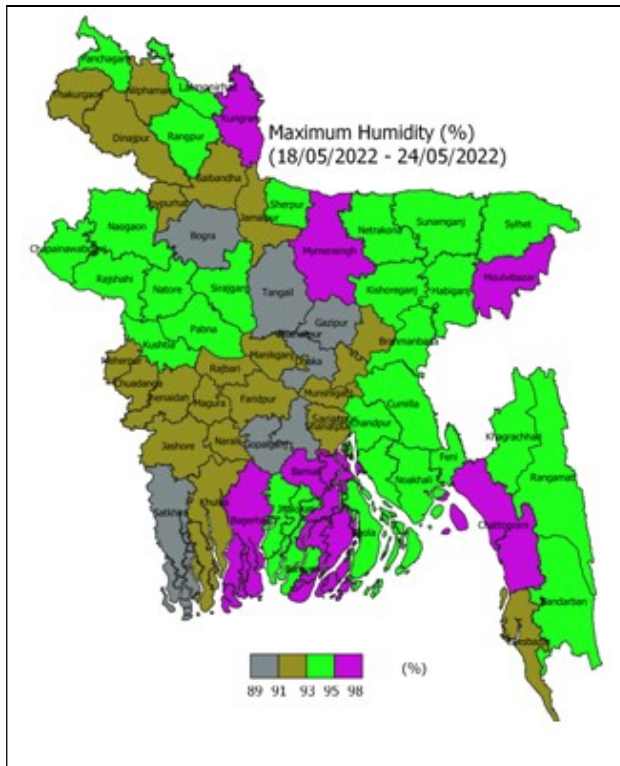
Heat wave: Mild heat wave is sweeping over Khulna division and the districts of Gopalganj, Chandpur, Noakhali, Feni, Pabna, Rajshahi, Barishal & Patuakhali and it may abate from some places.

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

Spatial Distribution of weather parameters for the Week ending 24 May 2022





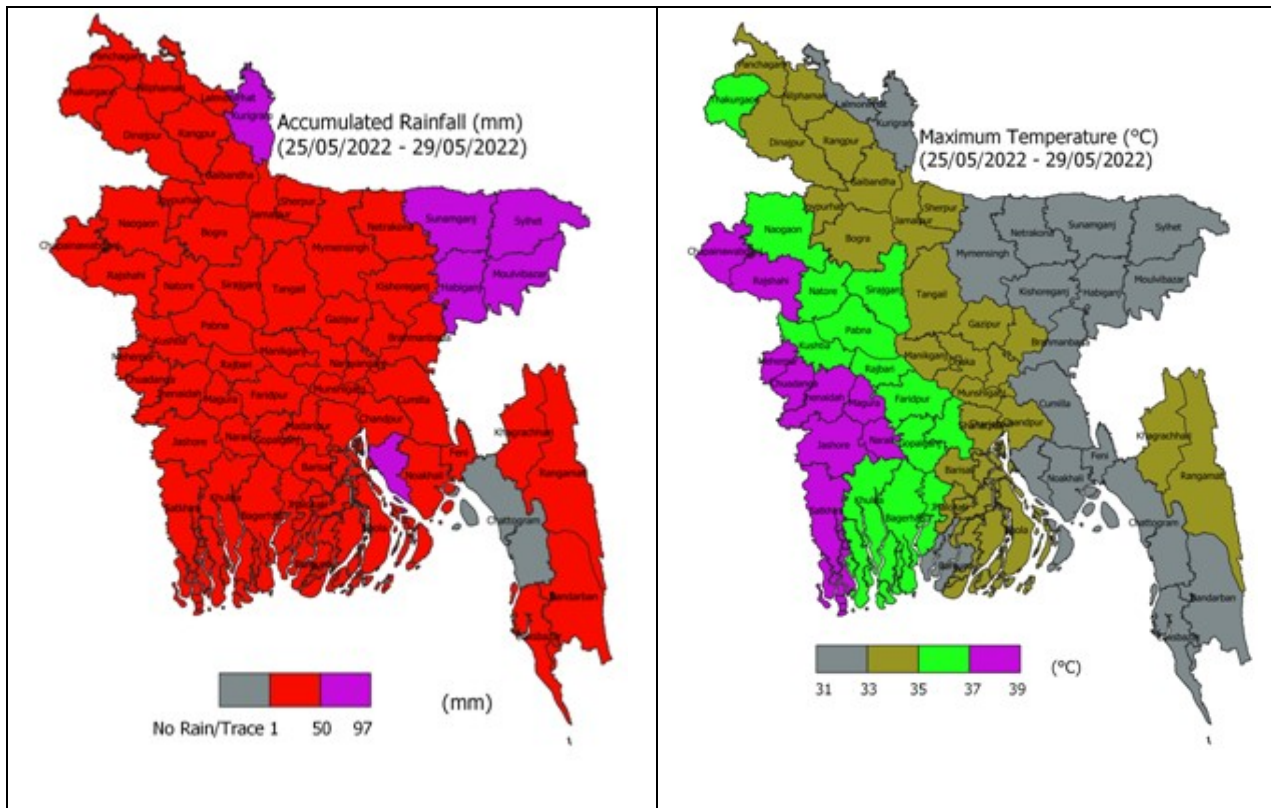


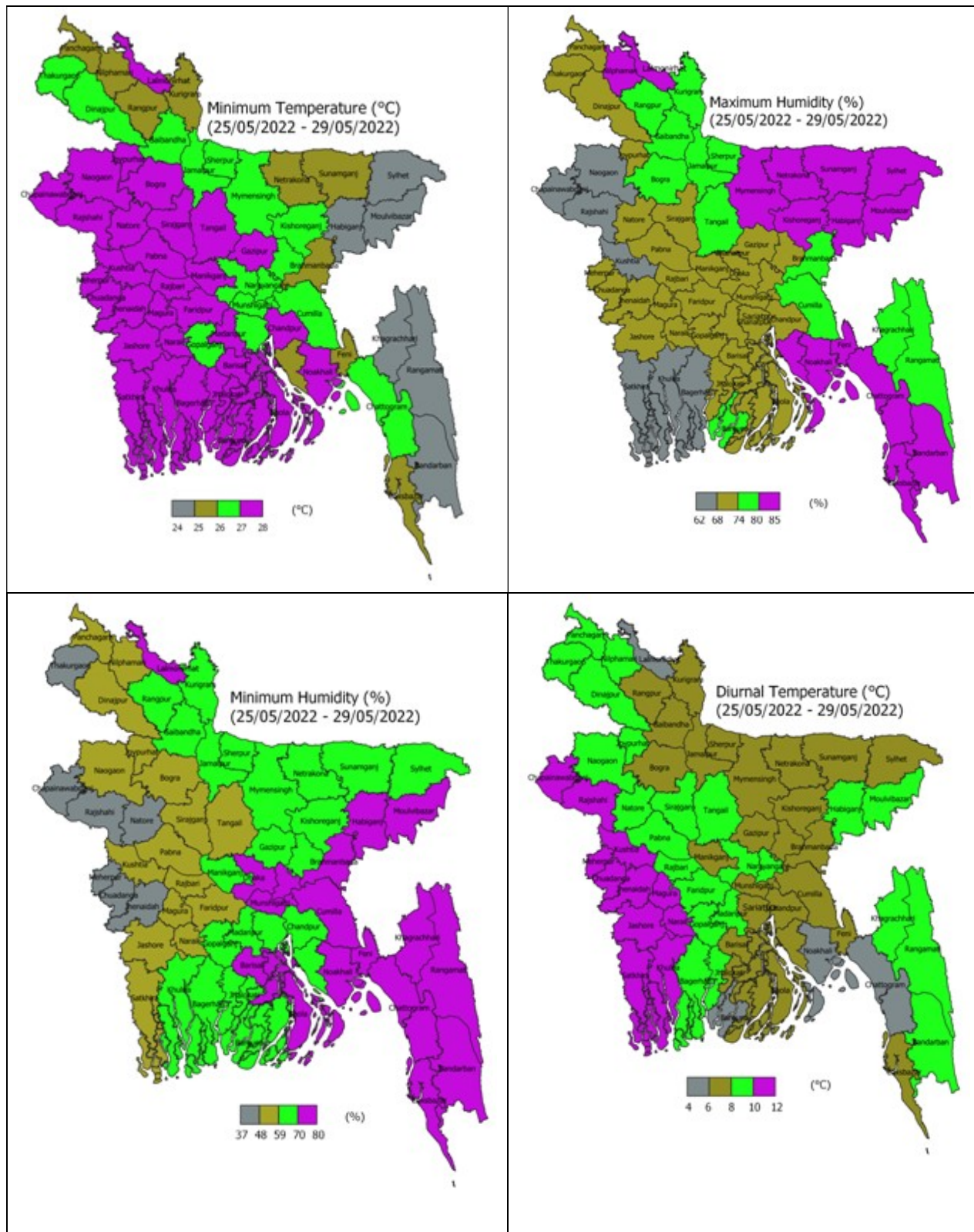
Weather Forecast and Advisory for the Period of 26.05.2022 to 31.05.2022

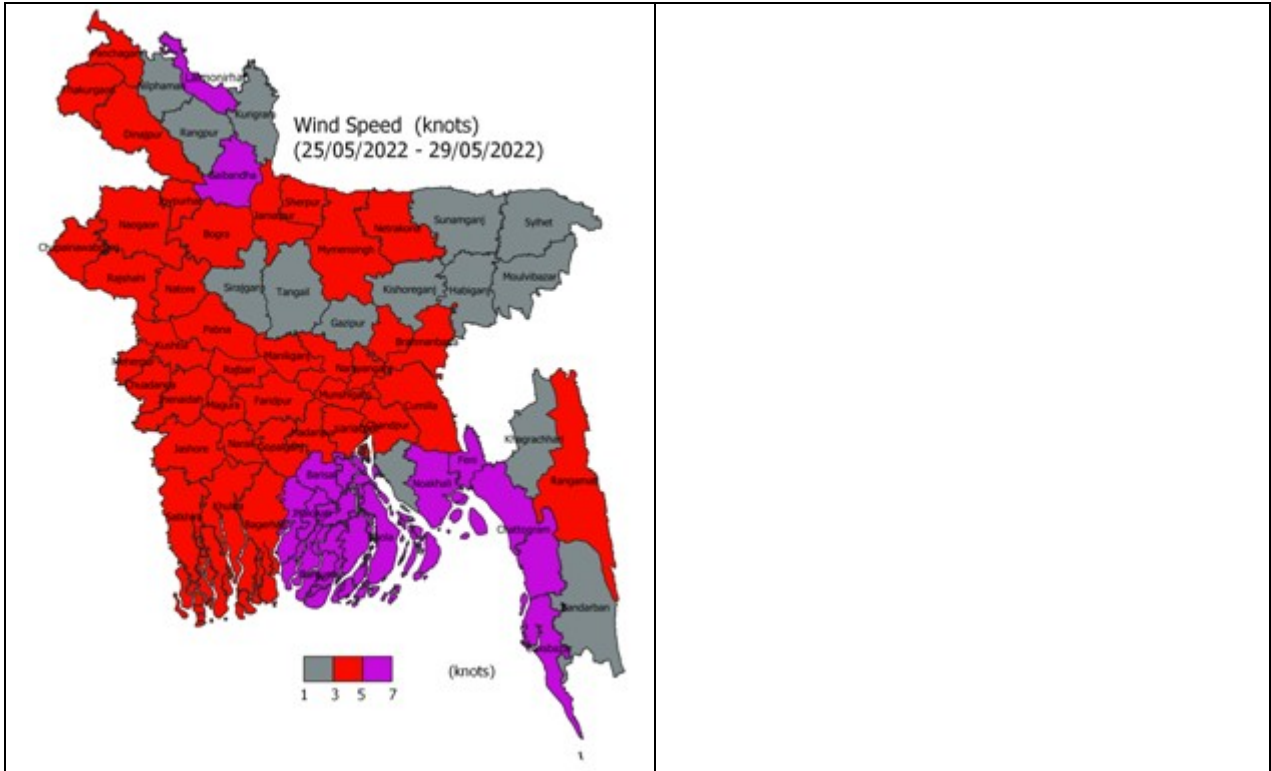
Bright sunshine hour is likely to be from 5.50 to 6.50 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Light (04-10 mm/day) to moderate (11-22 mm/day) rain /thunder showers accompanied by temporary gusty/squally wind is likely to occur at many places (50%-75% area) over Rangpur, Mymensingh & Sylhet divisions, at a few places (25%-50% area) over Dhaka, Rajshahi, Chattogram & Barishal divisions and at one or two places (less than 25% area) over Khulna division with moderately heavy (23-43 mm/day) to heavy (44-88 mm/day) falls at places over Sylhet, Mymensingh & Rangpur divisions.
- Slight rise in day & night temperature is expected over the country.

District Wise Quantitative Weather Forecast for next Five days from 25 May-29 May 2022

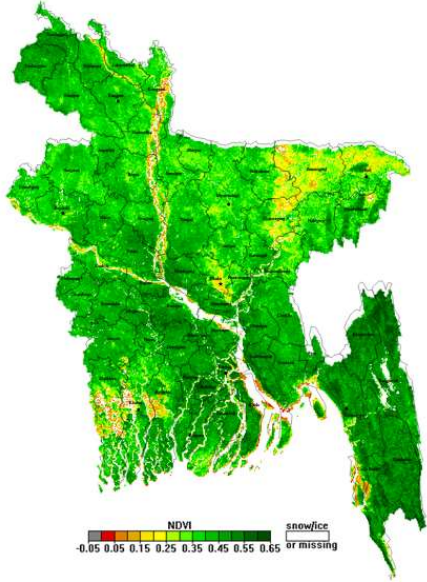




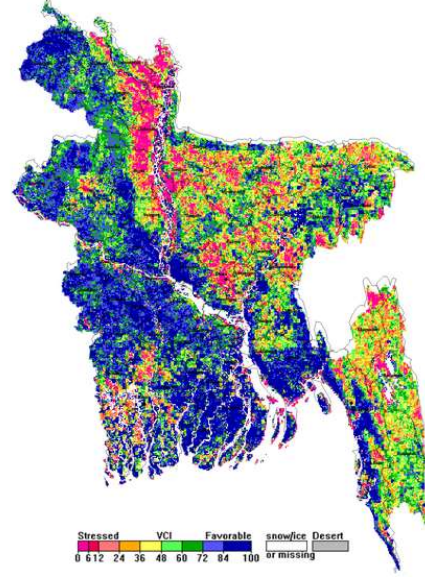


Different Satellite Products over Bangladesh

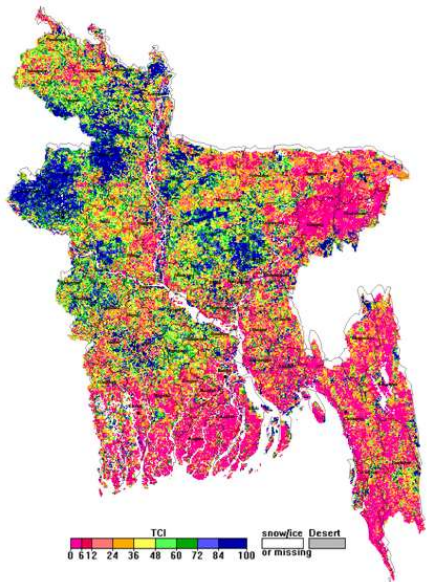
NOAA/VIIRS BLENDED NDVI composite for the week. No. 20 (14 May-20 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 20 (14 May-20 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 20 (14 May-20 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 20 (14 May-20 May) over Agricultural regions of Bangladesh

