



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**01 June 2022 (WEDNESDAY)
[FOR THE PERIOD 01.06.2022 – 05.06.2022]**



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' Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Dhaka, Mymensingh, Khulna, Barishal, Chattogram & Sylhet divisions; at one or two places over Rangpur & Rajshahi divisions with moderately heavy to heavy falls at places over the country. Day and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours'is southwest monsoon may advance up to Chattogram coast. 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 / 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.
- 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 rice bug 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

- Arrange for hand pollination of pumpkin vegetables. If beetles appear, kill them by hand in the morning and afternoon.
- In case of fly infestation in pumpkin, use pheromone and poison 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 is likely to be greatly reduced by using pheromone traps. Use spray of approval dose of insecticides, if necessary or recommended local organic insecticides may be used.
- Drain out excess water from the field, if any.
- Apply pesticide after rain.

Horticultural crops

- Fruit orchards need to be inter-cultural operation.
- Sumithion 50 EC of Phenitrothion group should be mixed with 1.12 ml per liter of water and sprayed in the last afternoon to control flies the time of fruit maturity in mango tree.
- In order to control coconut spiders, young coconut of the affected trees should be cut and burnt and spidericide should be applied on the trees. 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 01 June 2022) and maximum temperature on 31 May and minimum temperature on 01 June 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	34.2	27.3	Rajshahi	Rajshahi	00	<u>36.0</u>	25.5
	Tangail	08	33.4	25.4		Ishurdi	21	34.5	24.5
	Faridpur	18	34.4	25.4		Bogura	00	33.6	26.5
	Madaripur	01	33.7	25.5		Badalgachhi	00	35.0	25.7
	Gopalganj	12	34.4	26.8		Tarash	16	35.0	xx
	Nikli	00	33.5	25.5					
Mymensingh	Mymensingh	02	33.0	26.4	Rangpur	Rangpur	00	34.8	26.8
	Netrokona	00	32.0	25.0		Dinajpur	00	35.9	26.0
						Sayedpur	Trace	35.5	26.0
Chattogram	Chattogram	14	32.0	25.3		Tetulia	00	34.9	25.6
	Sandwip	00	32.6	26.0		Dimla	00	35.3	26.6
	Sitakunda	00	33.0	<u>23.5</u>		Rajarhat	02	34.0	26.0
	Rangamati	Trace	32.0	25.0	Khulna	Khulna	00	35.5	27.5
	Cumilla	01	33.2	25.8		Mongla	01	35.0	25.7
	Chandpur	00	33.4	27.2		Satkhira	00	34.2	28.0
	M. Court	<u>43</u>	31.0	25.5		Jashore	09	35.4	25.2
	Feni	16	32.5	25.7		Chuadanga	06	35.0	25.5
	Hatiya	00	32.0	25.8	Kumarkhali	07	33.7	25.3	
	Cox's Bazar	31	31.5	25.6					
Kutubdia	02	31.8	24.1	Barishal	Barishal	00	32.8	26.2	
Teknaf	03	xx	26.0		Patuakhali	03	33.4	26.3	
					Khepupara	05	33.3	25.6	
Sylhet	Sylhet	35	34.2	24.9		Bhola	13	32.2	26.5
	Srimangal	17	34.0	25.6					

Highlights:

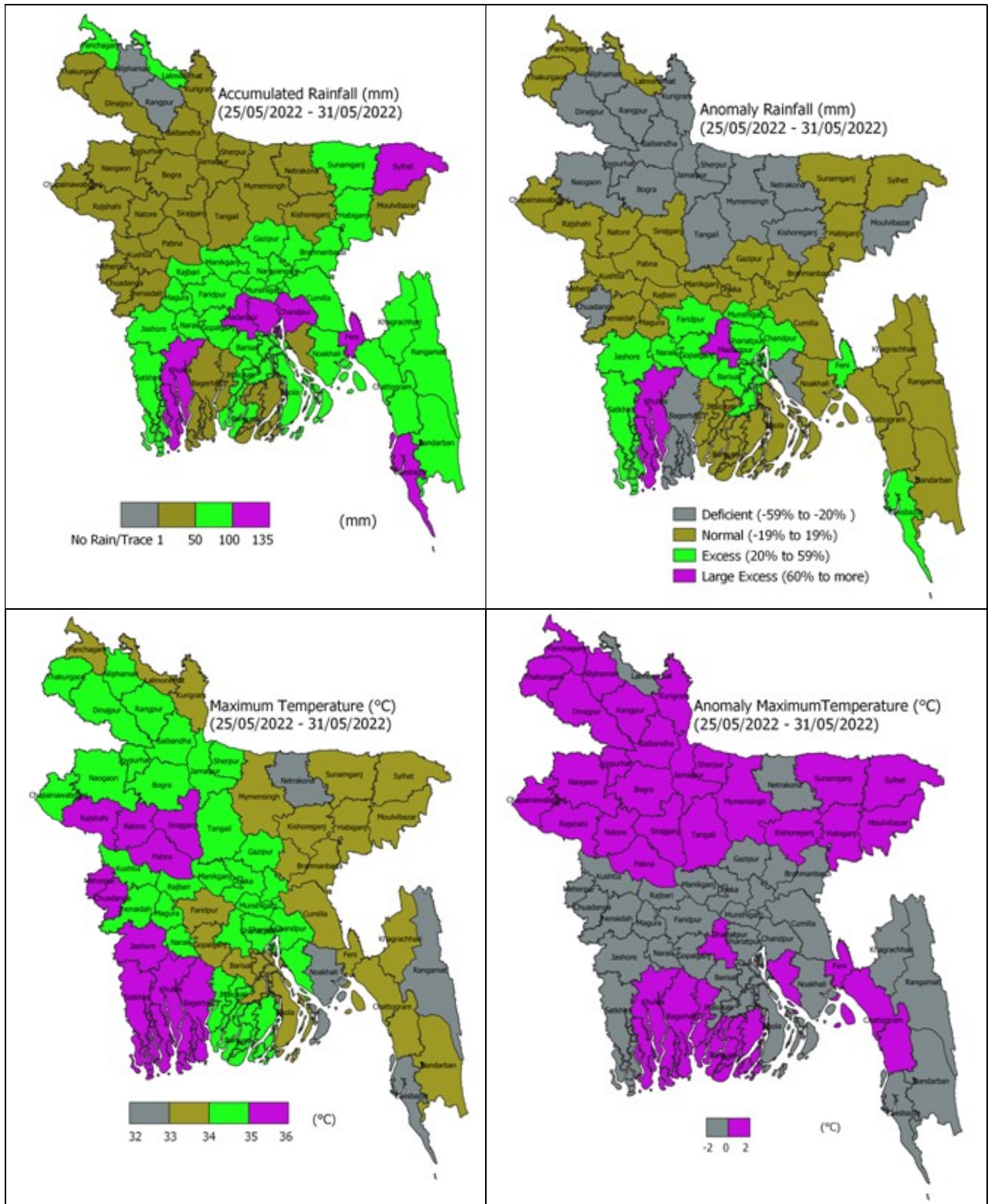
- Country average bright sunshine hour was 5.49 hours per day during last week.
- Country average free water loss during the previous week was 3.92 mm per day.

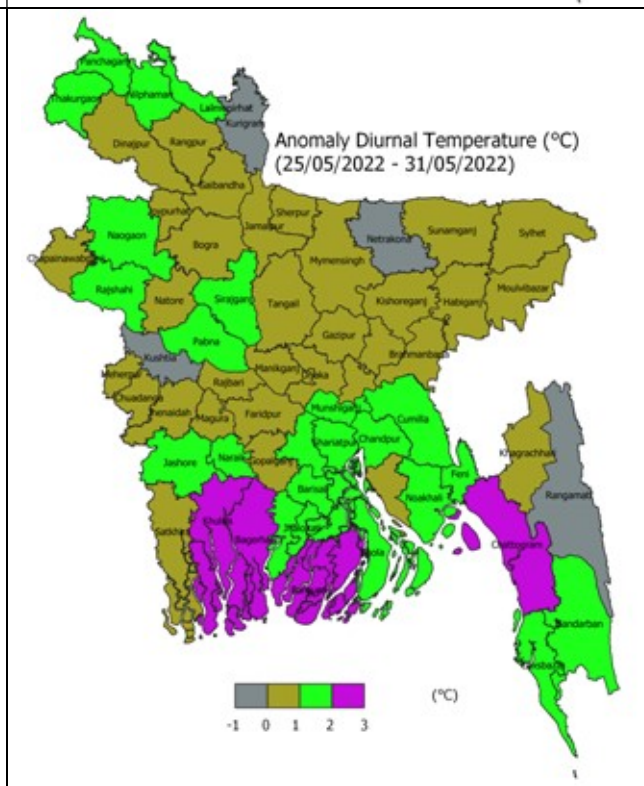
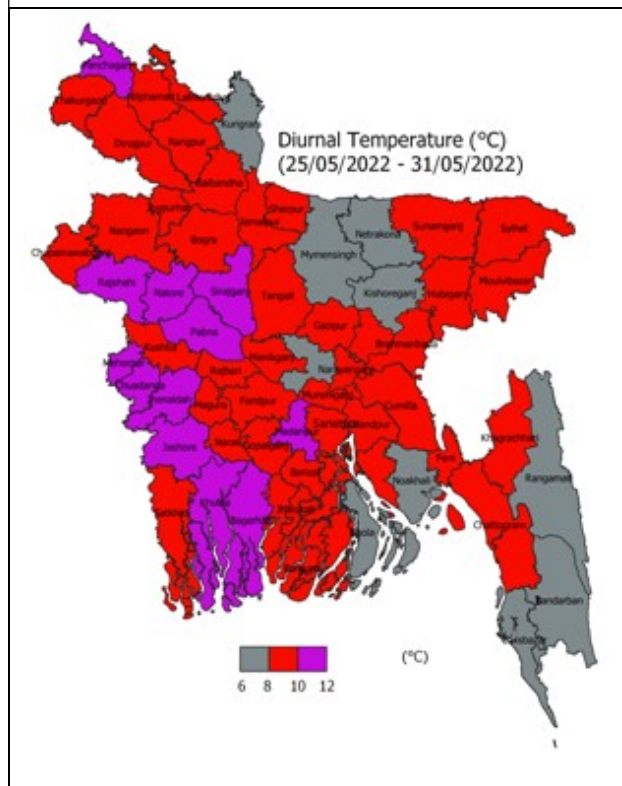
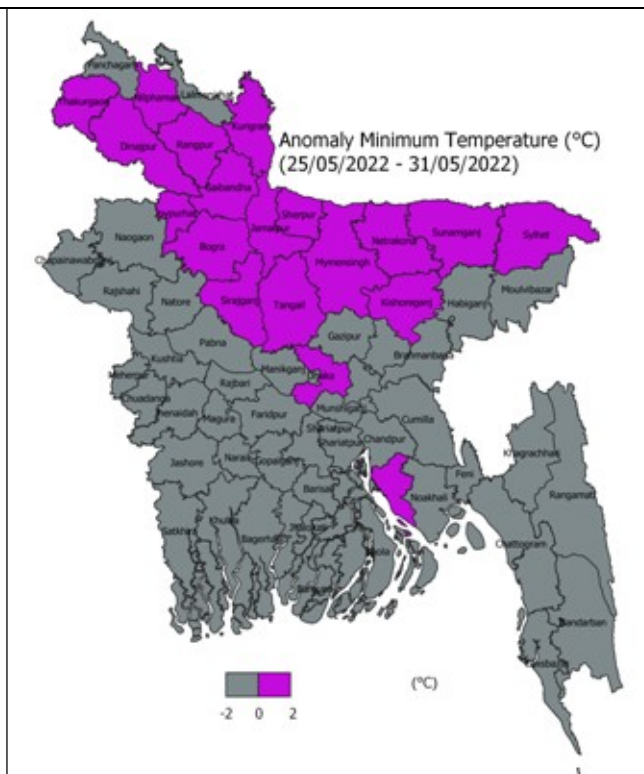
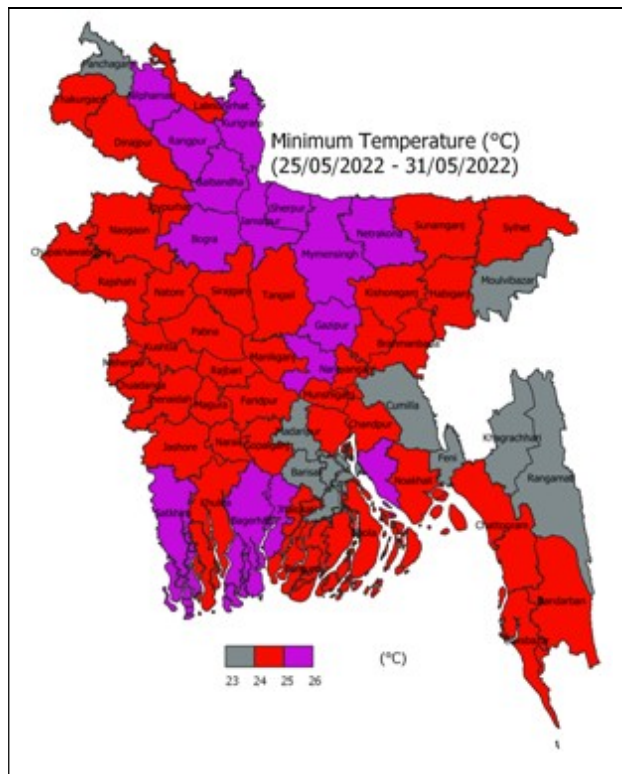
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

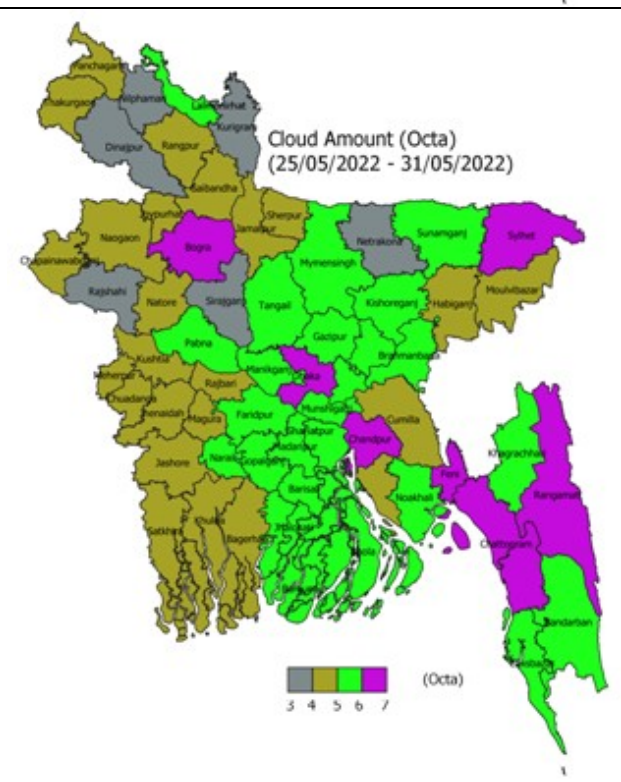
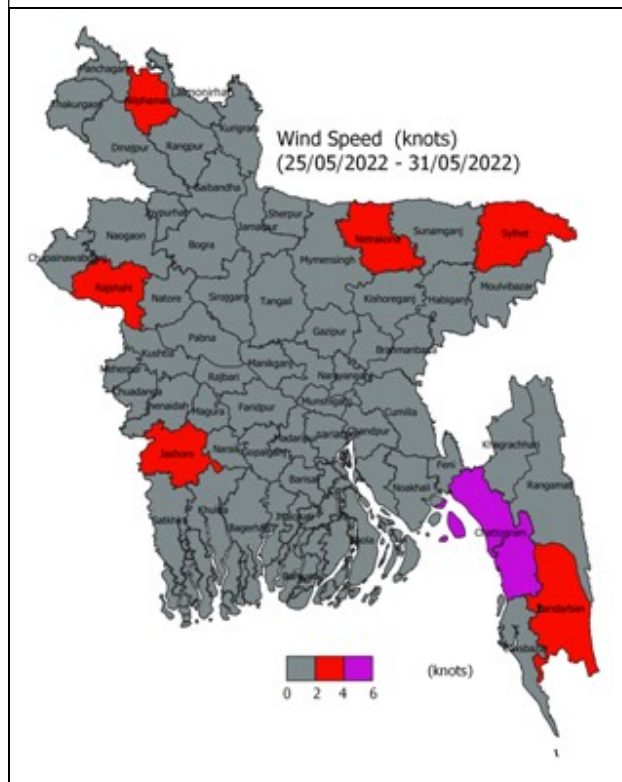
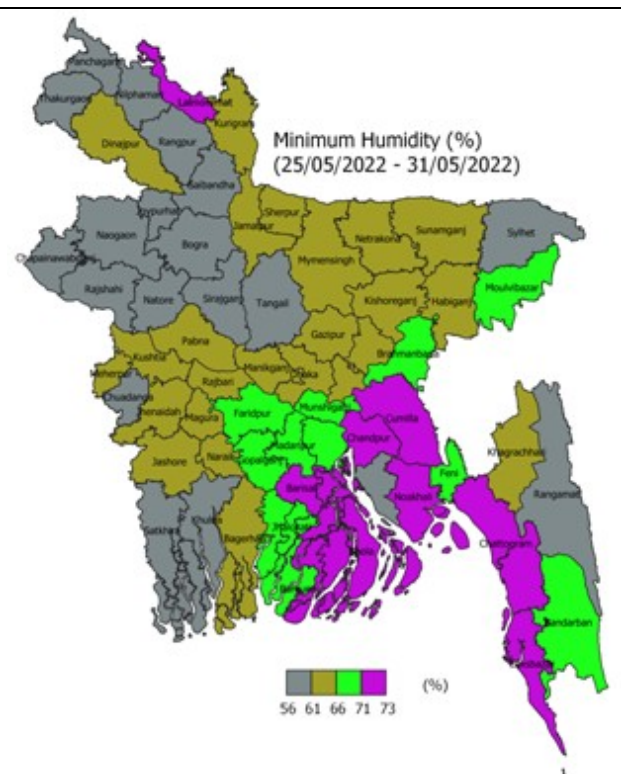
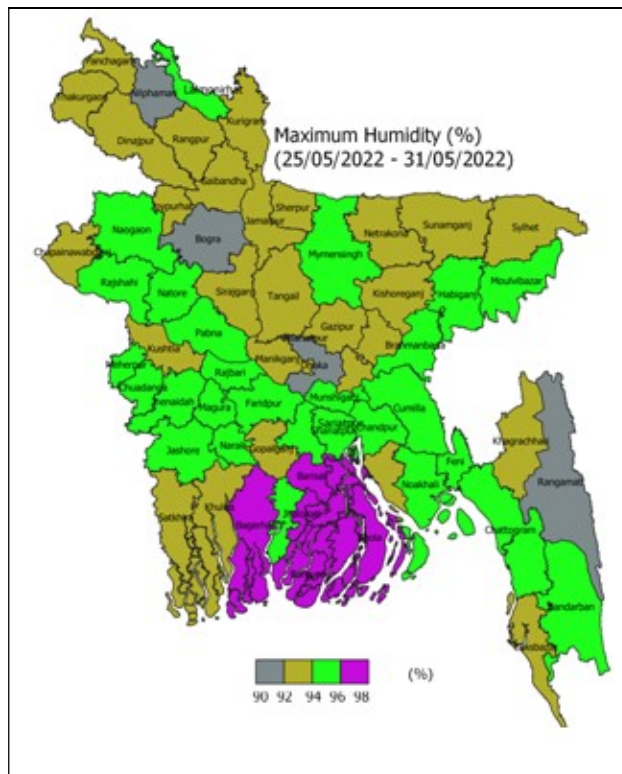
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Dhaka, Mymensingh, Khulna, Barishal, Chattogram & Sylhet divisions; at one or two places over Rangpur & Rajshahi divisions with moderately heavy to heavy falls at places over the country.

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

Spatial Distribution of weather parameters for the Week ending 31 May 2022





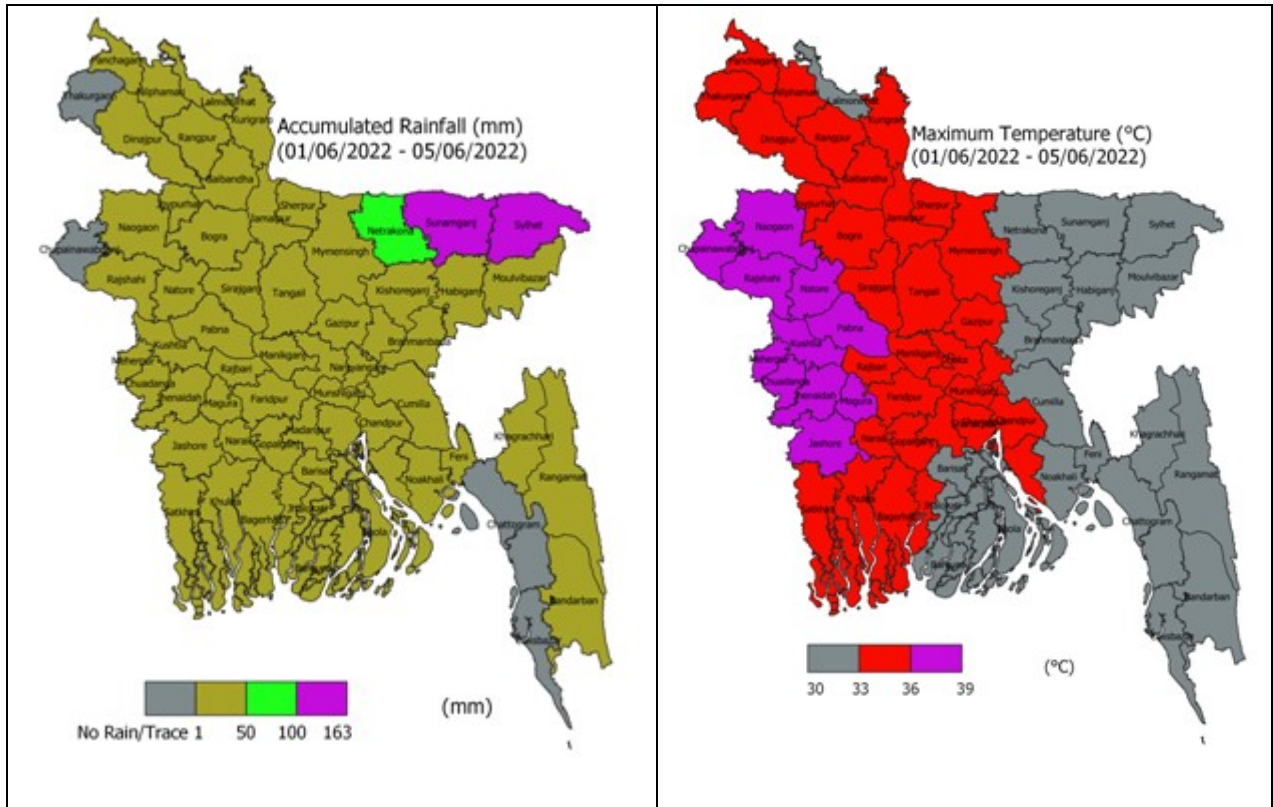


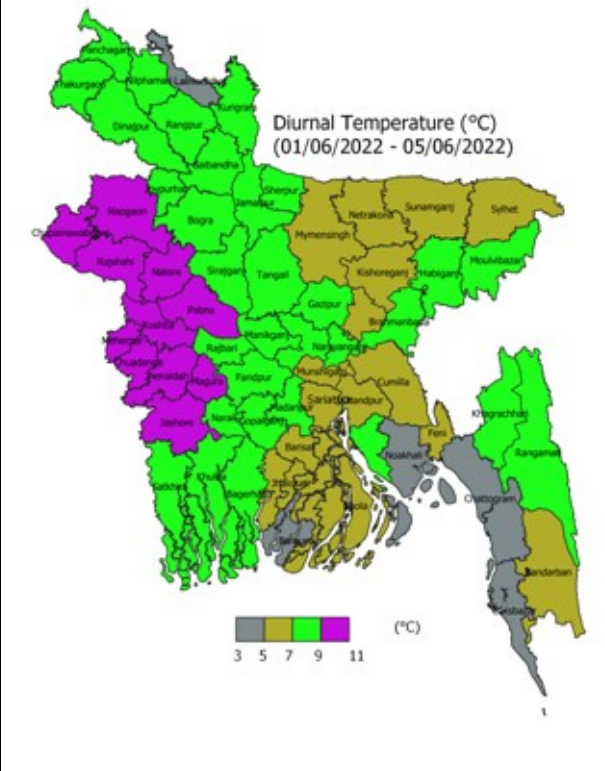
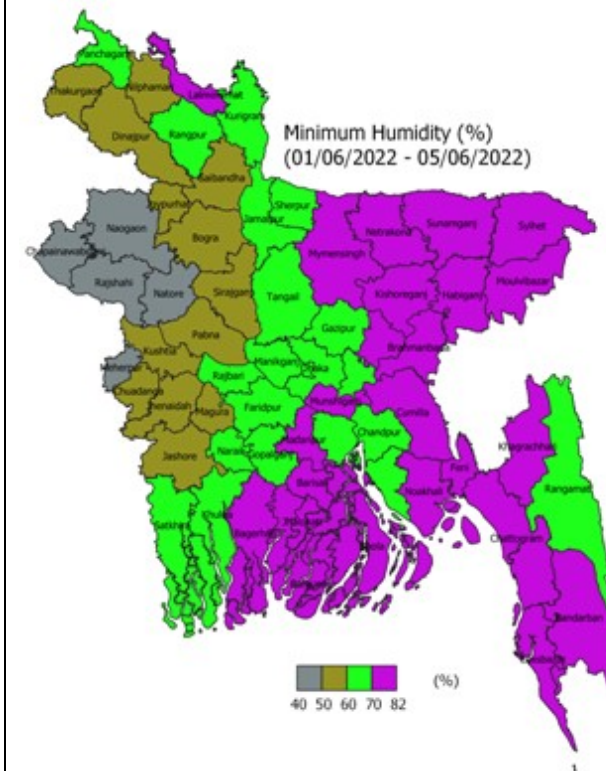
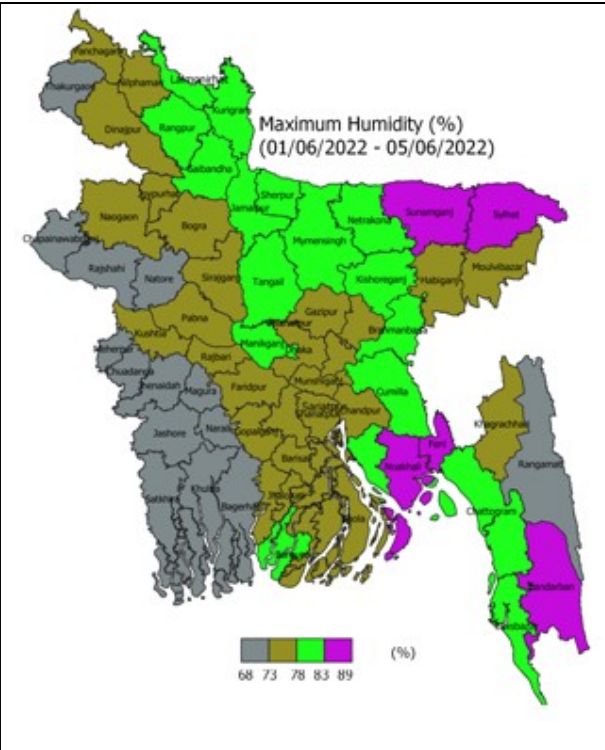
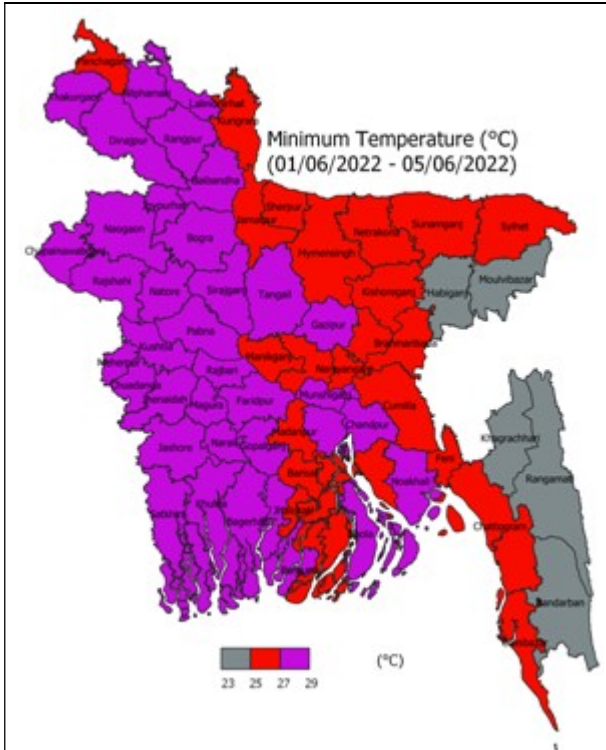
Weather Forecast and Advisory for the Period of 26.05.2022 to 31.05.2022

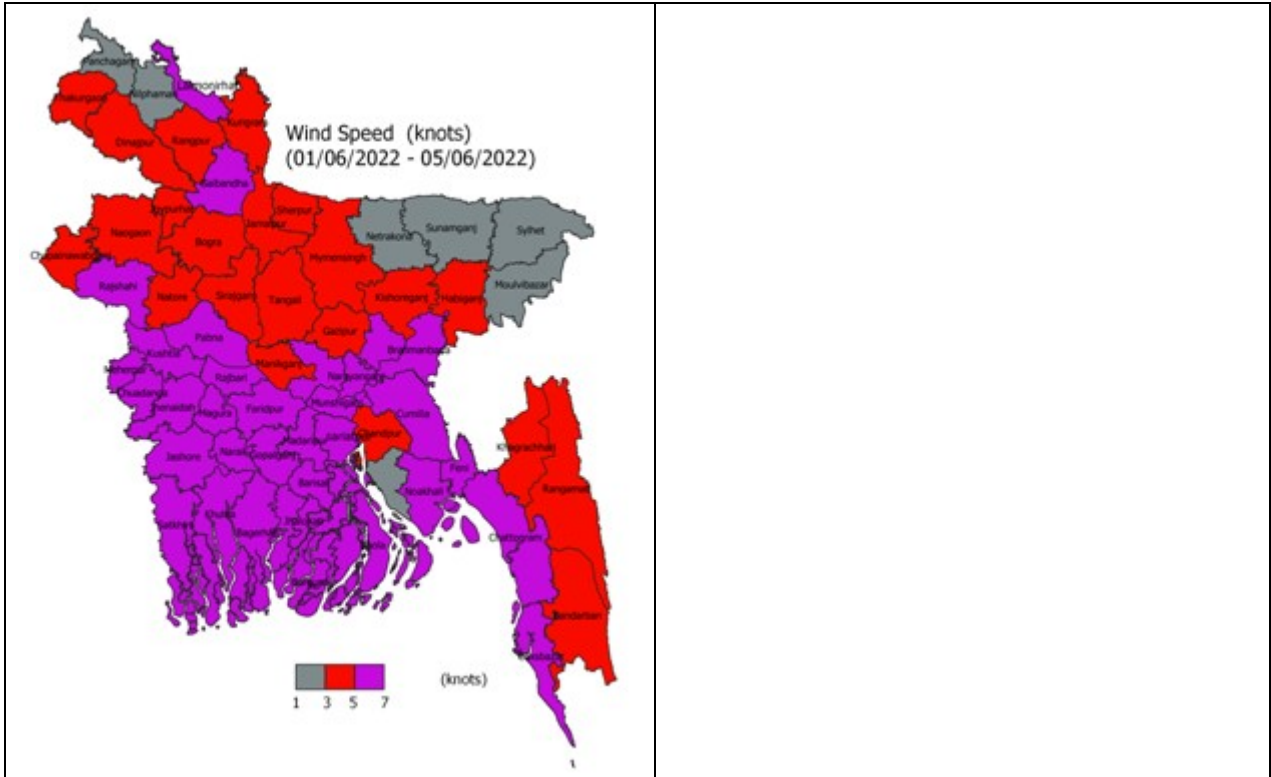
Bright sunshine hour is likely to be from 5.00 to 6. 00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Southwest monsoon has advanced up to Cox’s Bazar coast. It will cover most parts of Bangladesh during next 07 days.
- 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 with moderately heavy to heavy falls at places during the period.
- 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 a few places (25%-50% area) over Rajshahi, Dhaka, Khulna, Barishal & Chattogram divisions during the 1st half period and at one or two places (less than 25% area) during the 2nd half period .
- Slight fall in day & night temperature is expected over Rangpur, Mymensingh & Sylhet divisions during the period and Slight rise in day & night temperature elsewhere over the country during the period.

District Wise Quantitative Weather Forecast for next Five days from 01 June-05 June 2022

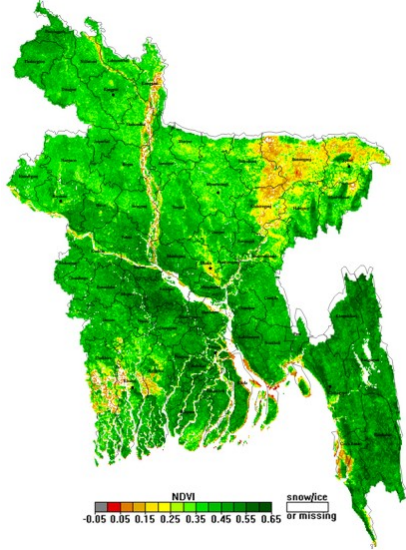




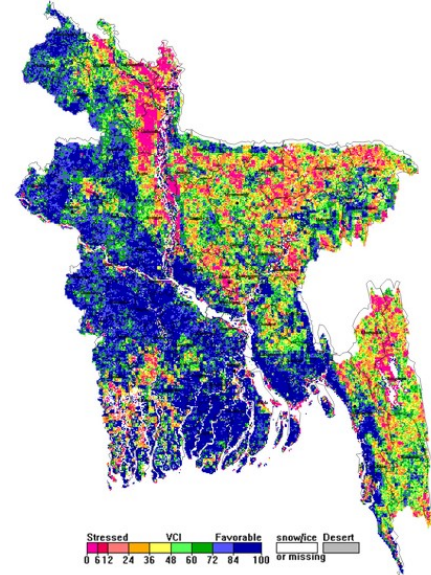


Different Satellite Products over Bangladesh

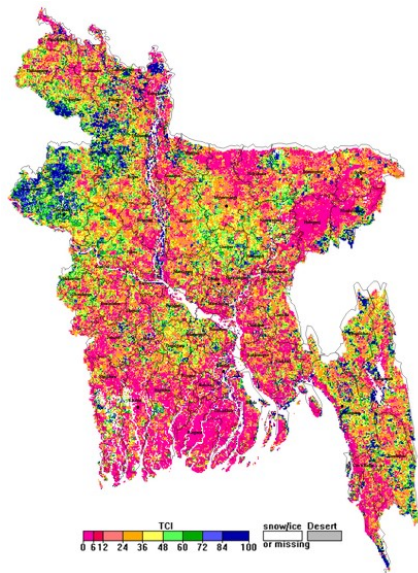
NOAA/VIIRS BLENDED NDVI composite for the week. No. 21 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 21 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 21 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 21 (21 May-27 May) over Agricultural regions of Bangladesh

