



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

02 June 2021 (WEDNESDAY)
[FOR THE PERIOD 02.06.2021 – 06.06.2021]



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.

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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/squally wind is likely to occur at many places over Barishal, Chattogram & Sylhet divisions and at a few places over Mymensingh, Rangpur, Rajshahi, Dhaka & Khulna 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' rainfall activity may decrease. During last four days, light to very heavy rainfall occurred most of the district of the country and as per the quantitative medium range weather forecast; most of the districts of the country are likely to receive light to heavy rainfall in the next five days. Detail Agromet advisory are given below:

Boro paddy

Ripening to Harvesting stages

- Drain out water from crop field 15 days before harvesting.
- Continue harvesting the crops on non-rainy days. After the harvest, immediately keep it in safe and dry place for drying of grains.

Jute:

- Drain out water, if any, immediately from jute field
- At this time scorpion insect attack can be seen. In the first stage of attack, when the insects are grouped on the leaf, the leaf including the insect should be lifted and trampled, pressed in the hole or dipped in water mixed with kerosene.

Vegetables

- 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.

- 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.
- Drain out excess water from the land.
- Apply pesticides after current spell of rainfall.

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. Spraying of all types of pesticides should be stopped 15-20 days before fruit collection.
- Apply Isoprocarb (MIPC) group pesticide if banana beetle infestation occurs.
- Drain out excess water from the land.
- Apply pesticides after current spell of rainfall.

Livestock

- Cattle should be fed with hay, raw grass and hand-made granular feed. Preserve paddy straw properly now.
- Vaccinate the cattle to prevent disease.
- Keep the cattle house dry and clean. Use mosquito nets or earthenware pots coils at room.
- Keep cattle safe place from lightning and rain.

Poultry

- Vaccinate the chickens regularly to prevent disease.
- Keep the poultry house dry and clean. Use mosquito nets or earthenware pots coils at room.

Fishery

- Now is the right time to stock fish. Prepare the pond.
- Catch all the old fish by drying the pond or applying Rotenon (25 g / decimal / ft). After 2/3 days apply 1 kg lime per decimal
- Apply fertilizer (200 g urea per decimal, 100 g TSP) and 3/4 days after lime application.
- 3/4 days after application of fertilizer, if the water color is green, store the layer-based fish fry.

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 02 June 2021) and maximum temperature on 01 June and minimum temperature on 02 June 2021 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	85	30.1	24.2	Rajshahi	Rajshahi	12	34.0	24.4
	Tangail	33	32.2	24.0		Ishurdi	02	34.2	25.0
	Faridpur	03	29.6	24.8		Bogura	01	32.1	24.9
	Madaripur	19	30.3	24.8		Badalgachhi	14	32.2	24.2
	Gopalganj	07	34.0	25.0		Tarash	09	32.5	24.8
	Nikli	16	29.0	25.0		Rangpur	Rangpur	00	32.0
Mymensingh	Mymensingh	48	29.7	25.5	Dinajpur		00	32.2	25.0
	Netrokona	59	29.2	24.6	Sayedpur		00	31.8	25.5
Chattogram	Chattogram	73	30.0	24.0	Tetulia		xx	32.5	Xx
	Sandwip	88	29.1	<u>23.0</u>	Dimla		02	32.2	25.4
	Sitakunda	<u>193</u>	27.0	23.5	Rajarhat		00	31.4	25.5
	Rangamati	37	28.5	23.5	Khulna	Khulna	10	34.5	24.5
	Cumilla	25	28.7	24.1		Mongla	37	34.2	24.0
	Chandpur	39	29.5	24.0		Satkhira	12	33.5	25.0
	M.Court	72	27.6	23.5		Jashore	19	34.6	25.0
	Feni	99	28.8	23.2		Chuadanga	17	<u>34.7</u>	24.5
	Hatiya	24	xx	23.4		Kumarkhali	05	34.0	24.6
	Cox's Bazar	27	32.6	24.5	Barishal	Barishal	28	32.8	24.8
Kutubdia	45	31.2	24.0	Patuakhali		41	34.1	24.5	
Teknaf	25	33.0	27.5	Khepupara		15	34.5	24.5	
Sylhet	Sylhet	38	27.4	24.0		Bhola	44	32.8	24.2
	Srimangal	35	28.8	24.4					

Highlights:

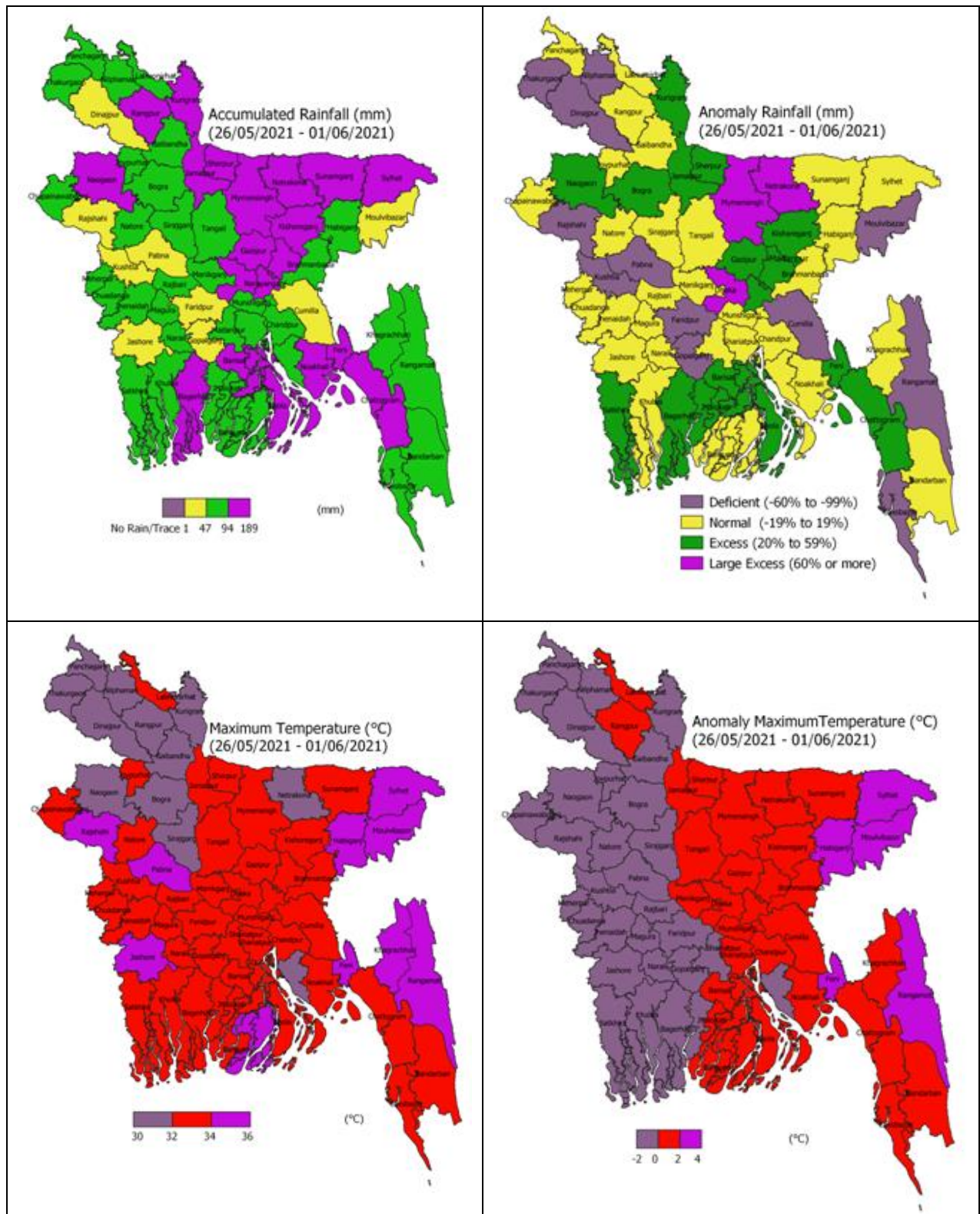
- Country average bright sunshine hour was 4.30 hours per day during last week.
- Country average free water loss during the previous week was 3.00 mm per day.

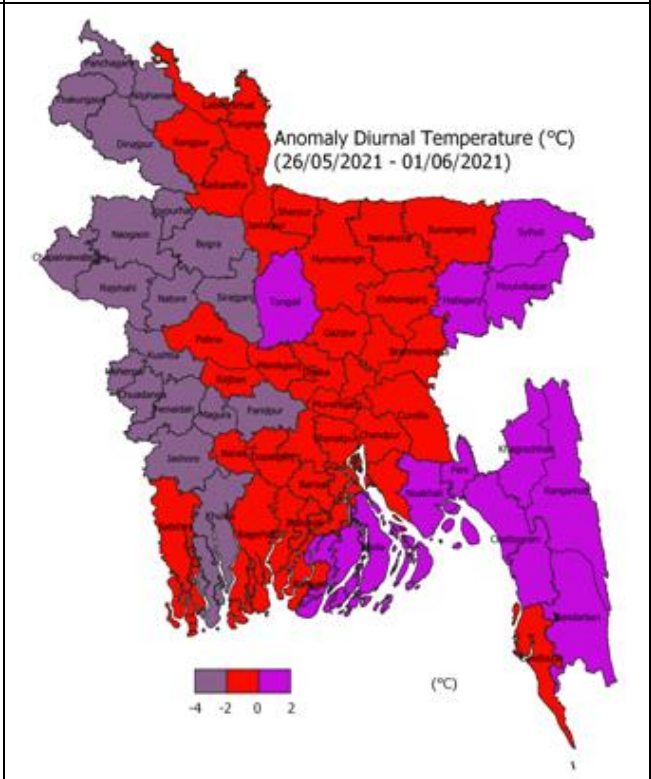
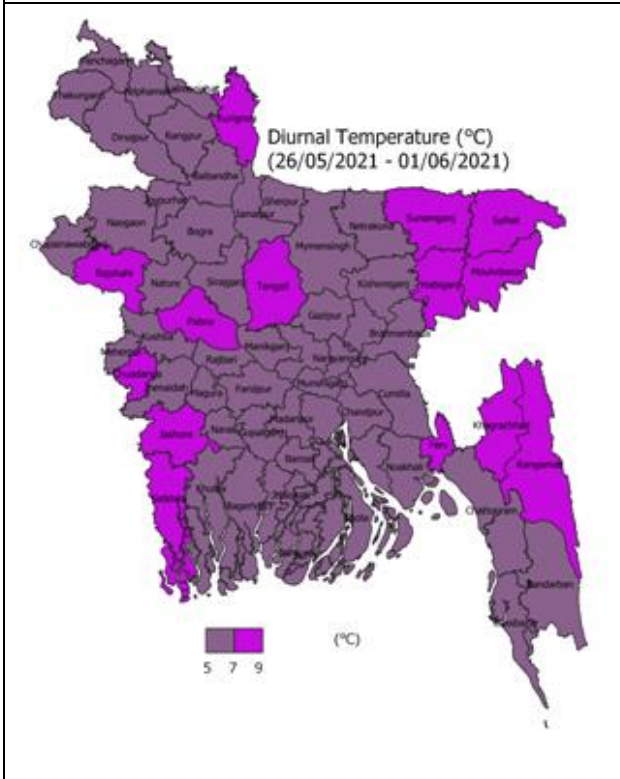
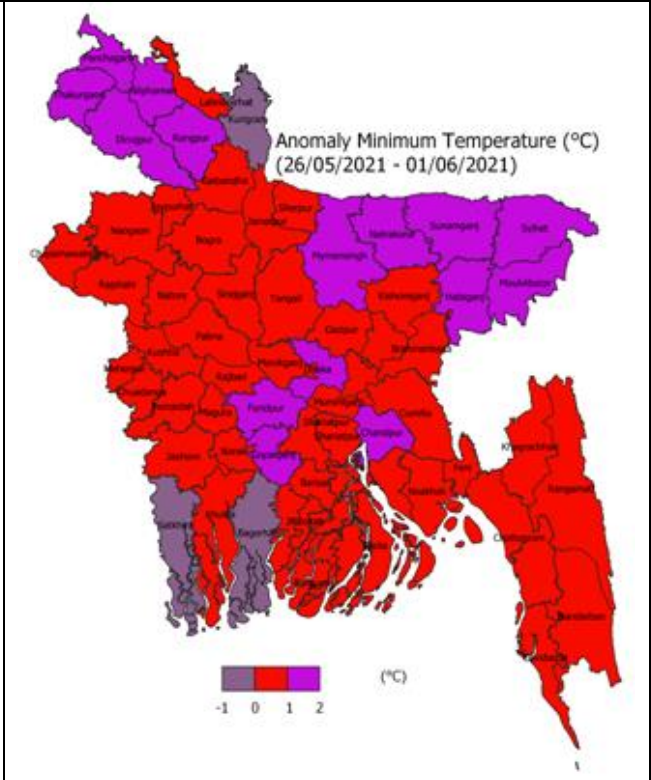
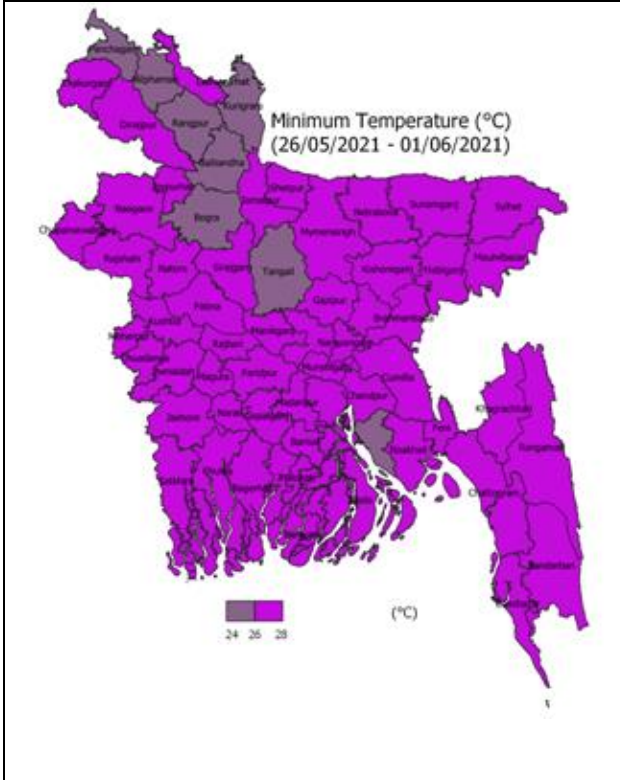
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

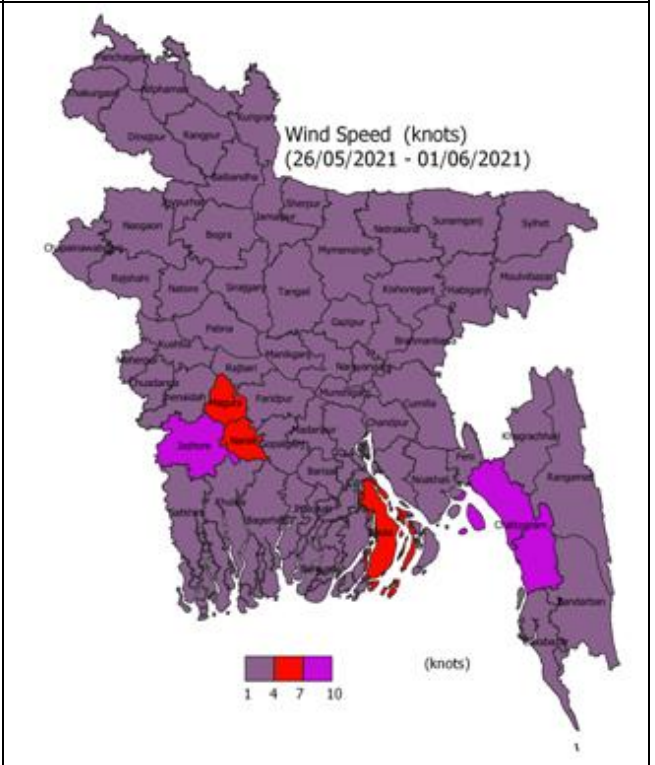
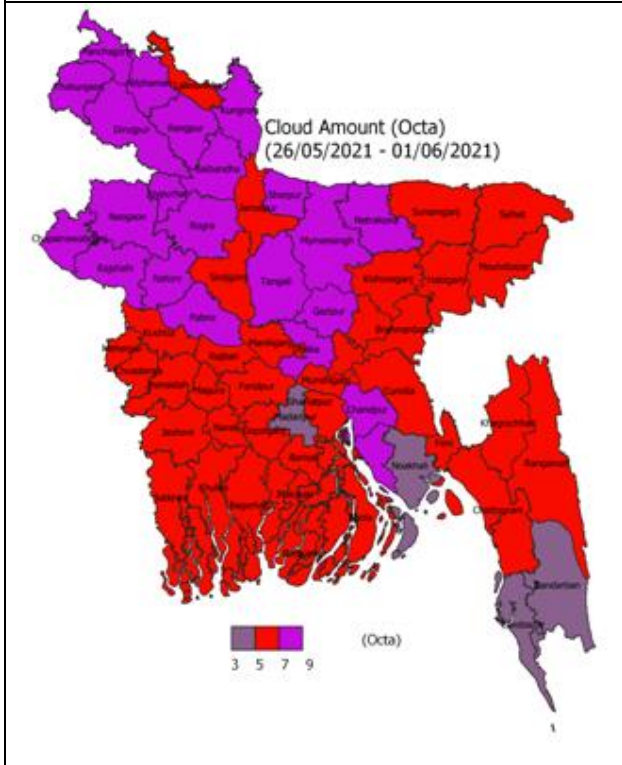
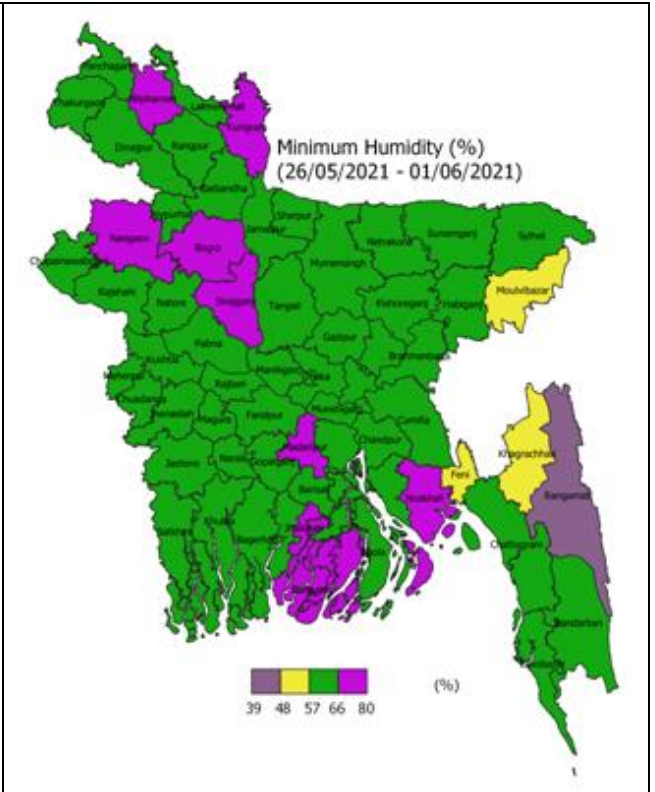
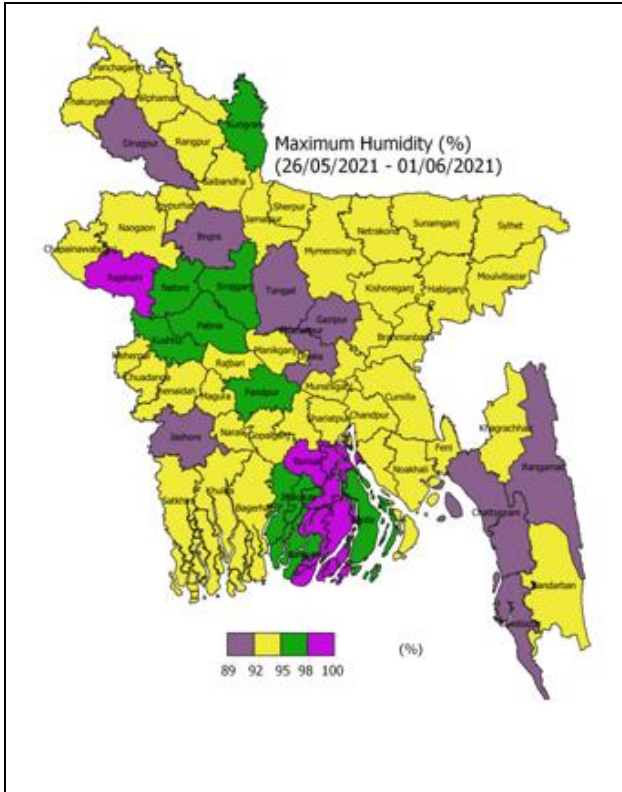
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at many places over Barishal, Chattogram & Sylhet divisions and at a few places over Mymensingh, Rangpur, Rajshahi, Dhaka & Khulna divisions with moderately heavy to heavy falls at places over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

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

Spatial Distribution of weather parameters for the Week ending 25 May 2021





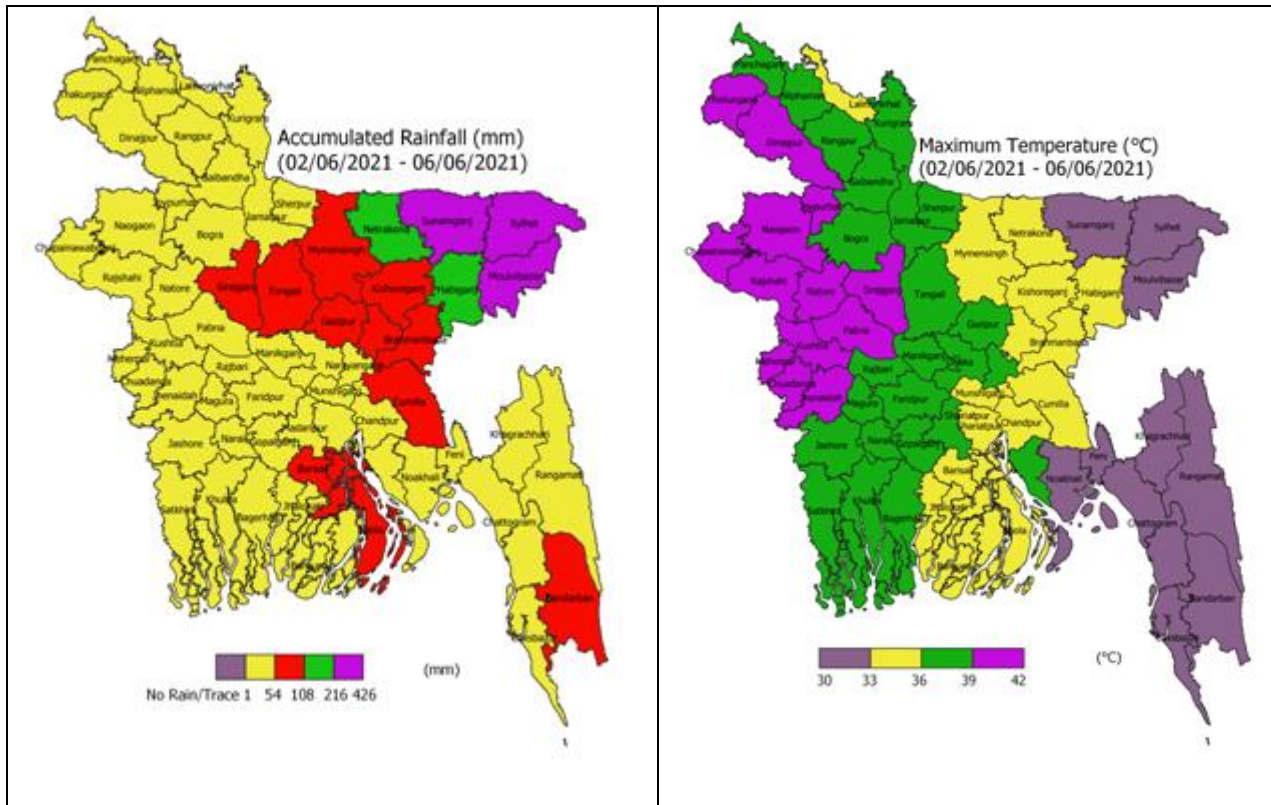


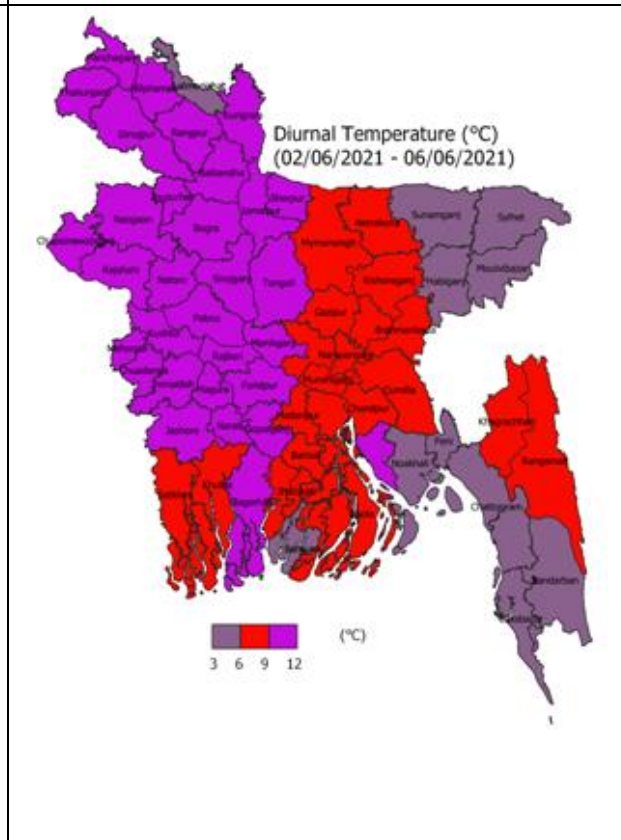
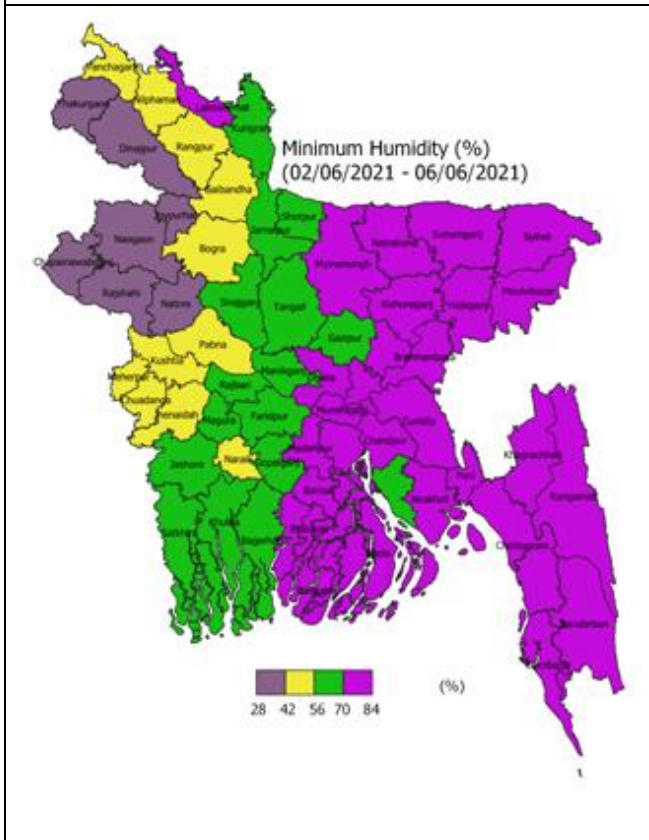
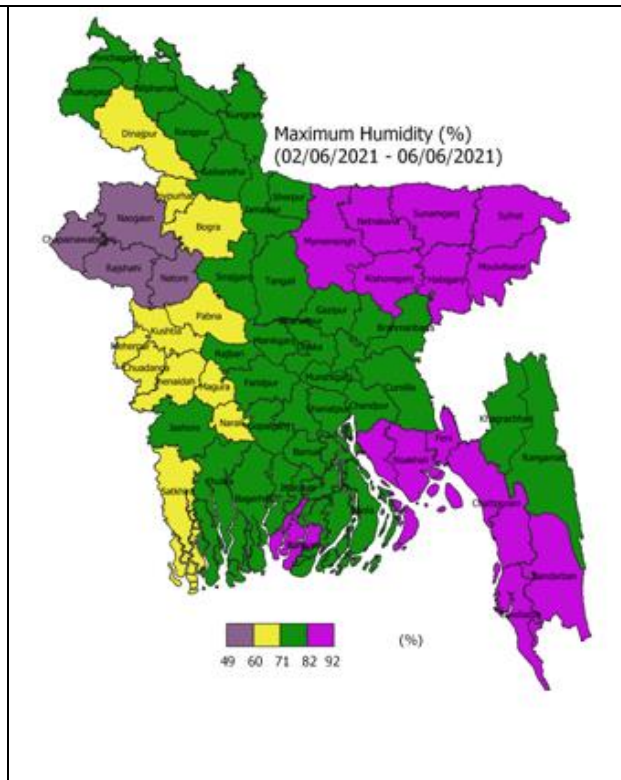
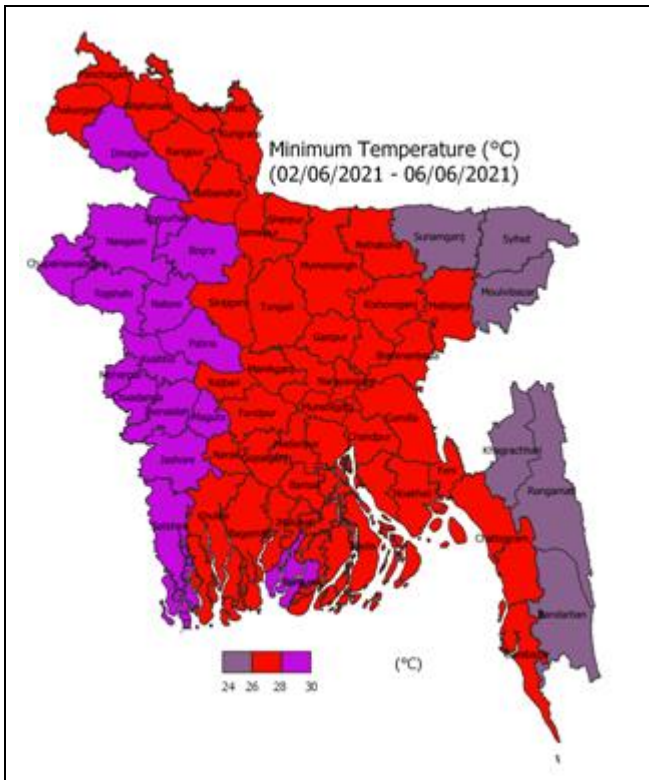
Weather Forecast and Advisory for the Period of 01.06.2021 to 07.06.2021

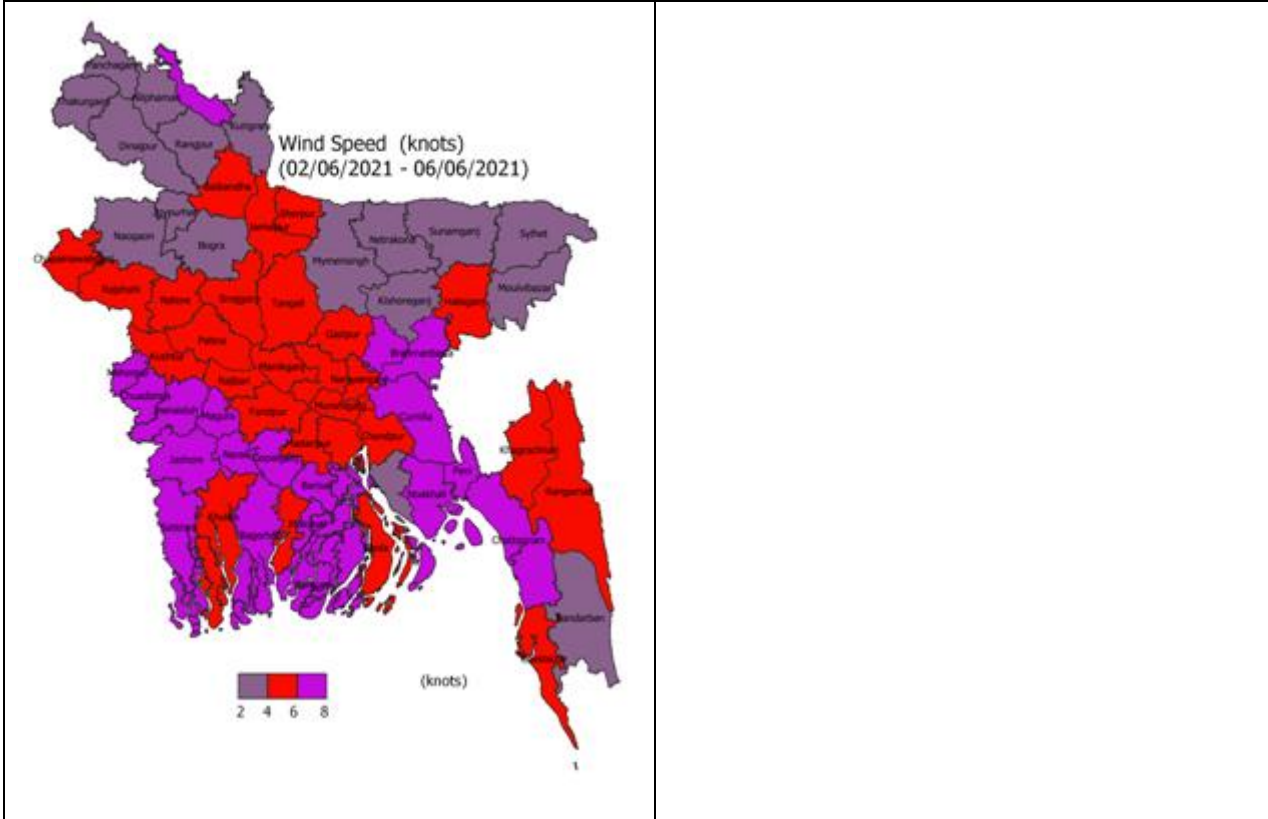
Bright sunshine hour is likely to be from 4.00 to 5.00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Light (04-10mm/day) to moderate (11-22mm/day) Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at many places over Dhaka, Mymensingh, Sylhet, Chattogram & Barishal divisions and at a few places over Rajshahi, Rangpur and khulna divisions with moderately heavy (23-43mm/day) to heavy (44-88mm/day) falls at places over the country during the first half of the period.
- Light (04-10mm/day) to moderate (11-23mm/day) Rain/thunder showers accompanied by temporary gusty wind is likely to occur at a few over Dhaka, Mymensingh, Sylhet, Chattogram & Barishal divisions and at one or two places over Khulna, Rajshahi & Rangpur divisions with moderately heavy falls at places over the country during the second half of the period.
- Day and night temperature may remain nearly unchanged during the first half and may rise slightly over the country during the second half of the period.

District Wise Quantitative Weather Forecast for next Five days from 02 June-06 June 2021





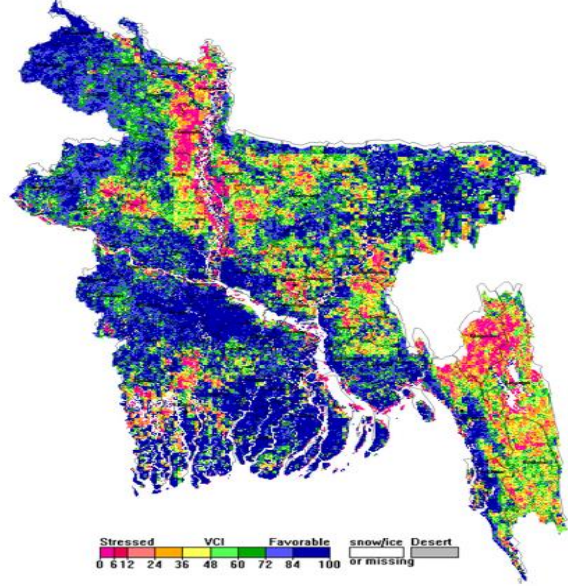


Different Satellite Products over Bangladesh

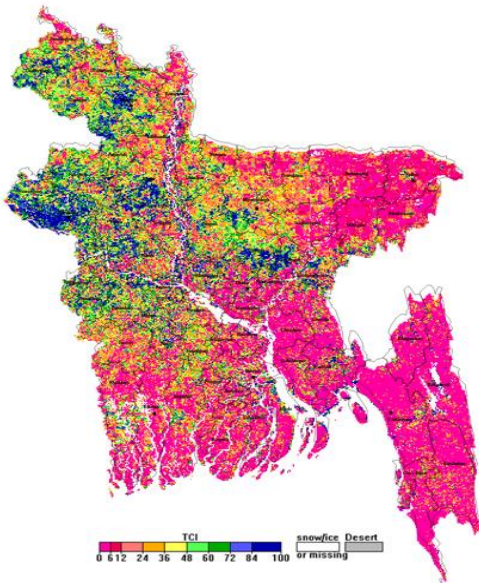
NOAA/VIIRS BLENDED NDVI composite for the week No. 20 (14 May-20 May) over Agricultural regions of Bangladesh



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

