



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**08 June 2022 (WEDNESDAY)
[FOR THE PERIOD 08.06.2022 – 12.06.2022]**



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 Rangpur, Mymensingh & Sylhet divisions; at a few places over Rajshahi, Dhaka & Chattogram divisions and at one or two places over Khulna & Barishal divisions with moderately heavy to heavy falls at isolated places over northern part of the country. Day and night temperature may remain nearly unchanged over the country. Mild heat wave is sweeping over the districts of Khulna, Satkhira, Jashore & Chudanga and it may continue & spread. As per the outlook issued by BMD for next Rain/thunder showers activity may decrease. 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.

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:

- Now is a good time to stock fish /prepare the pond
- Catch all the old fish from the ponds by drying or applying Rotenon (25 g / decimal / ft). Apply 1 kg lime per cent after 2/3 days
- Apply fertilizer (urea 200 g/decimal, TSP 100 g/ decimal) 3/4 days after lime application.
- 3/4 days after application of fertilizer, when the water turns green, store the layered fish fry.

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 08 June 2022) and maximum temperature on 07 June and minimum temperature on 08 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	34.7	28.2	Rajshahi	Rajshahi	00	34.8	27.1
	Tangail	00	33.5	25.4		Ishurdi	00	34.7	27.5
	Faridpur	00	35.0	27.5		Bogura	09	32.6	25.2
	Madaripur	00	35.7	27.7		Badalgachhi	05	32.0	24.3
	Gopalganj	Trace	34.8	28.4		Tarash	01	32.8	xx
	Nikli	101	30.5	25.0					
Mymensingh	Mymensingh	53	28.2	24.7	Rangpur	Rangpur	18	31.8	24.6
	Netrokona	10	30.5	<u>22.0</u>		Dinajpur	00	31.5	25.2
						Sayedpur	18	31.5	26.5
						Tetulia	01	33.0	25.6
Chattogram	Chattogram	00	33.8	26.8	Dhaka	Dimla	02	30.8	26.5
	Sandwip	00	33.5	28.0		Rangpur	38	31.0	24.2
	Sitakunda	00	34.5	26.5					
	Rangamati	05	34.0	26.5	Khulna	Khulna	00	<u>37.0</u>	28.4
	Cumilla	44	33.2	24.0		Mongla	00	35.8	28.0
	Chandpur	00	35.2	28.2		Satkhira	00	36.0	27.7
	M.Court	06	34.5	27.6		Jashore	00	36.6	27.6
	Feni	19	33.5	25.2	Chuadanga	00	36.2	27.2	
	Hatiya	00	33.5	27.5	Kumarkhali	00	35.0	27.5	
	Cox's Bazar	00	33.1	26.8					
Kutubdia	00	34.0	25.6	Barishal	Barishal	00	35.2	27.7	
Teknaf	72	33.6	25.2		Patuakhali	Trace	34.4	27.5	
					Khepupara	00	34.4	27.8	
Sylhet	Sylhet	17	29.0	25.5		Bhola	03	35.0	27.8
	Srimangal	<u>104</u>	31.2	23.0					

Highlights:

- Country average bright sunshine hour was 3.40 hours per day during last week.
- Country average free water loss during the previous week was 3.36 mm per day.

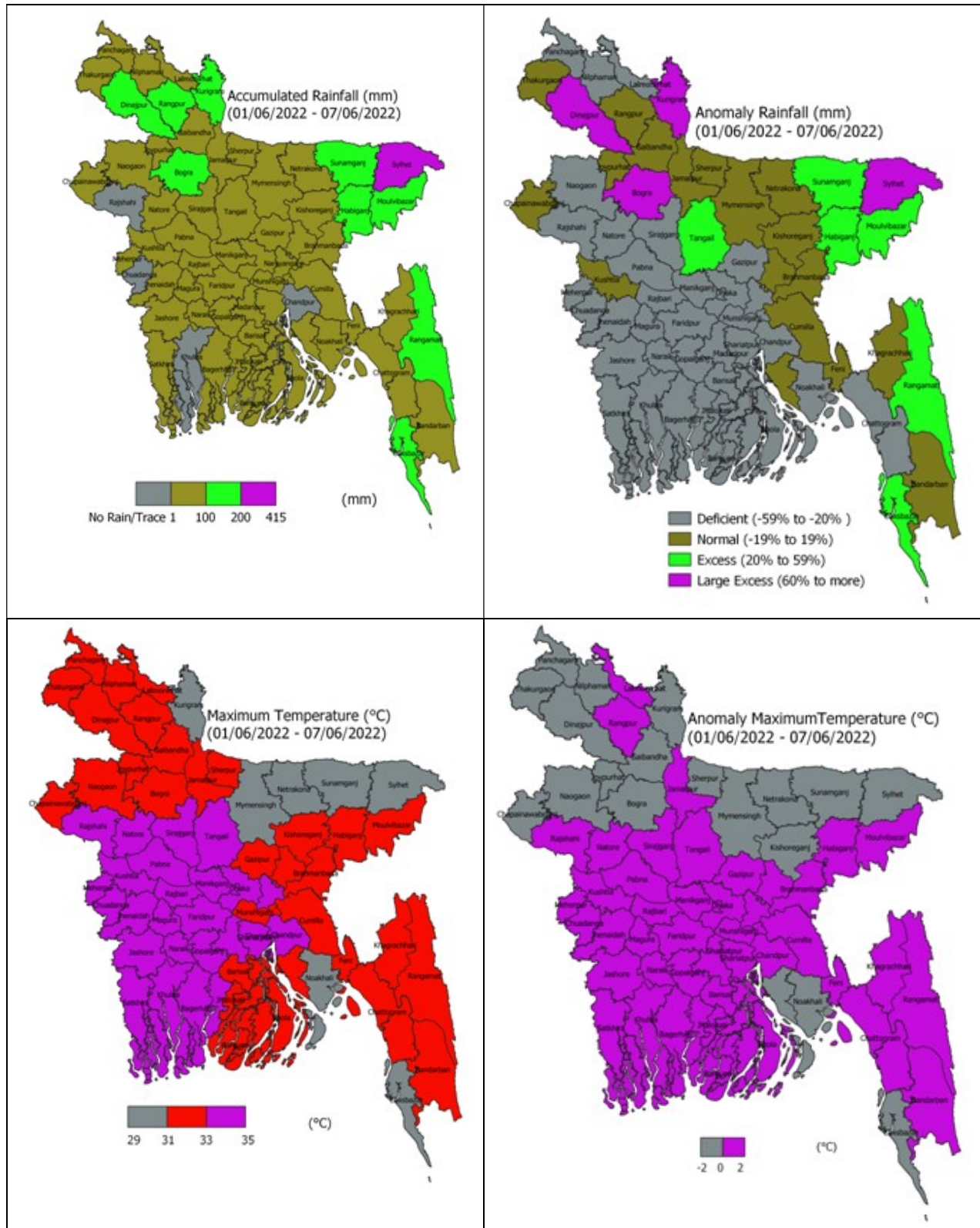
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

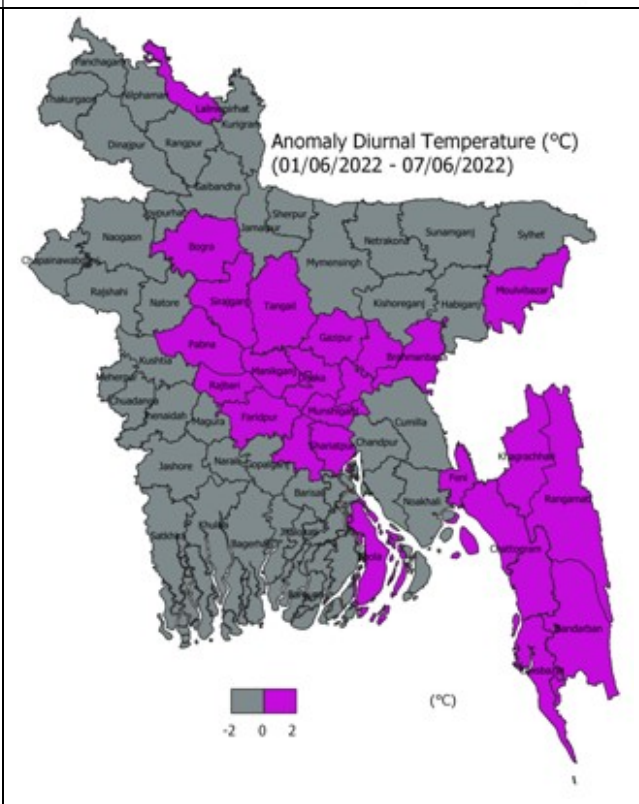
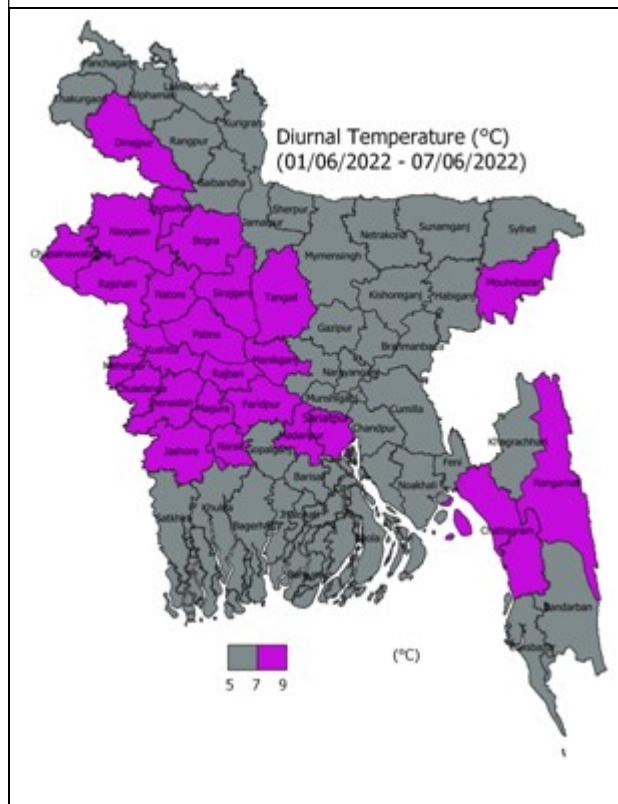
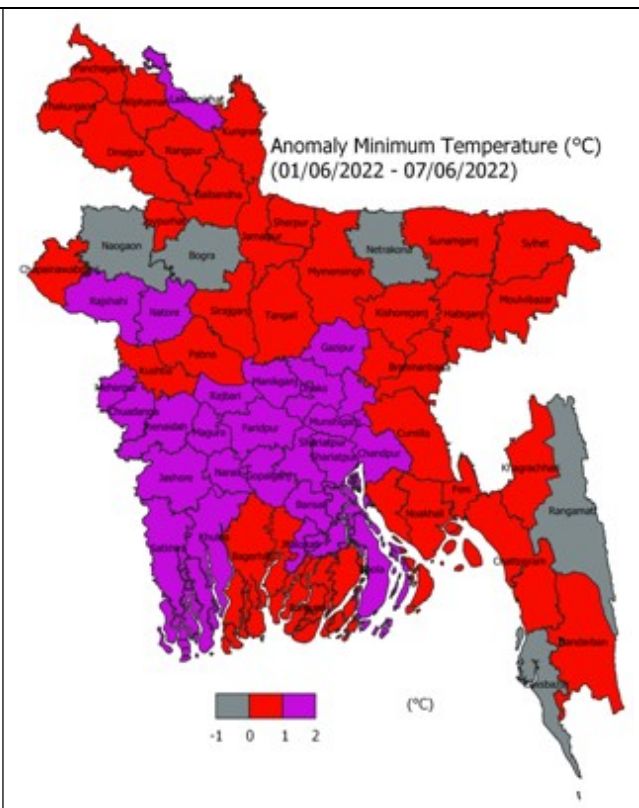
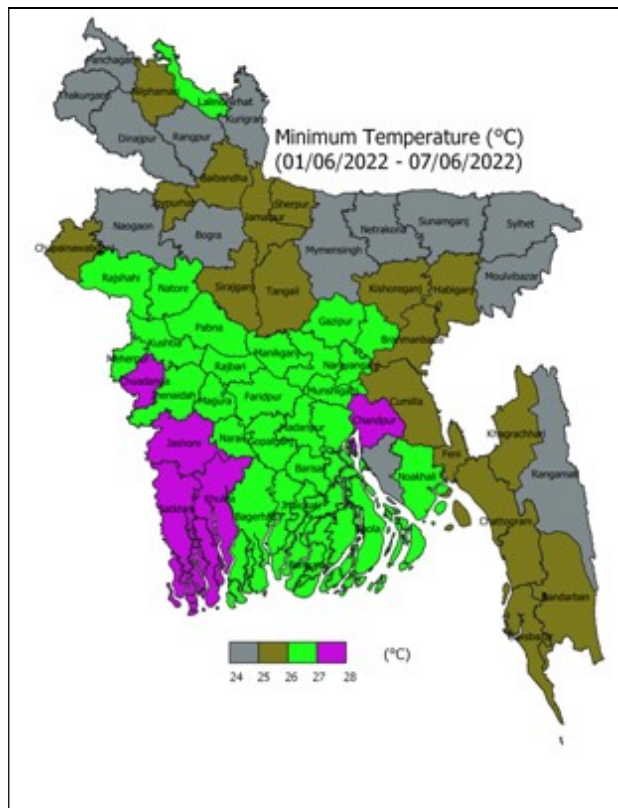
Forecast: Light to moderate rain/thunder showers accompanied by temporary gusty wind is likely to occur at many places over Rangpur, Mymensingh & Sylhet divisions; at a few places over Rajshahi, Dhaka & Chattogram divisions and at one or two places over Khulna & Barishal divisions with moderately heavy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

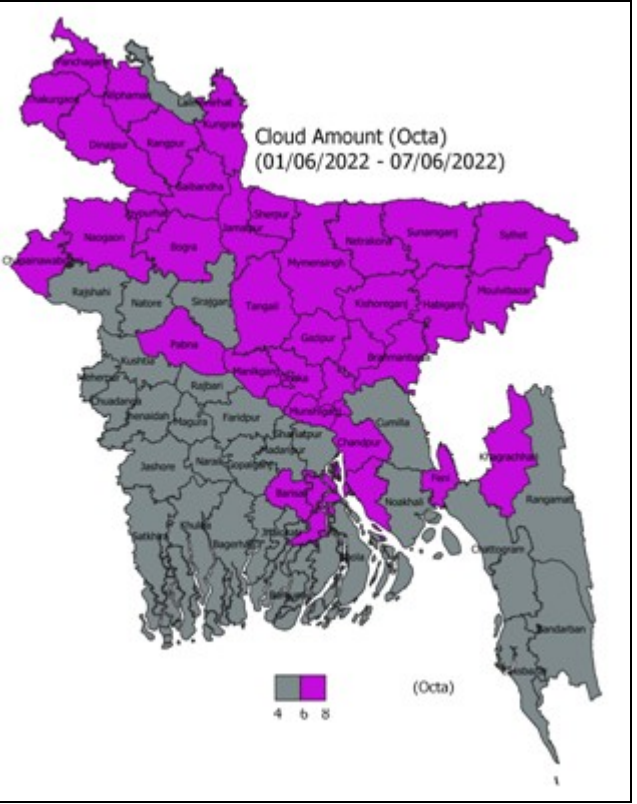
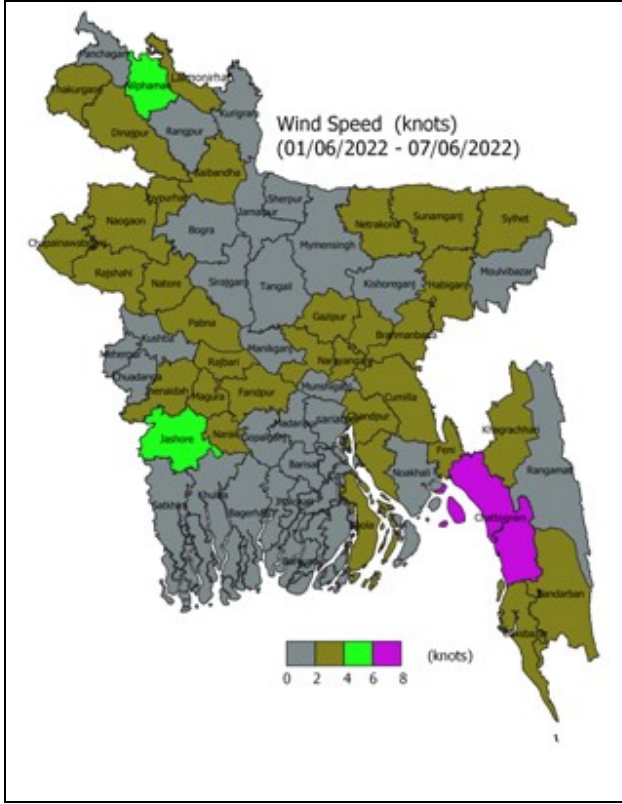
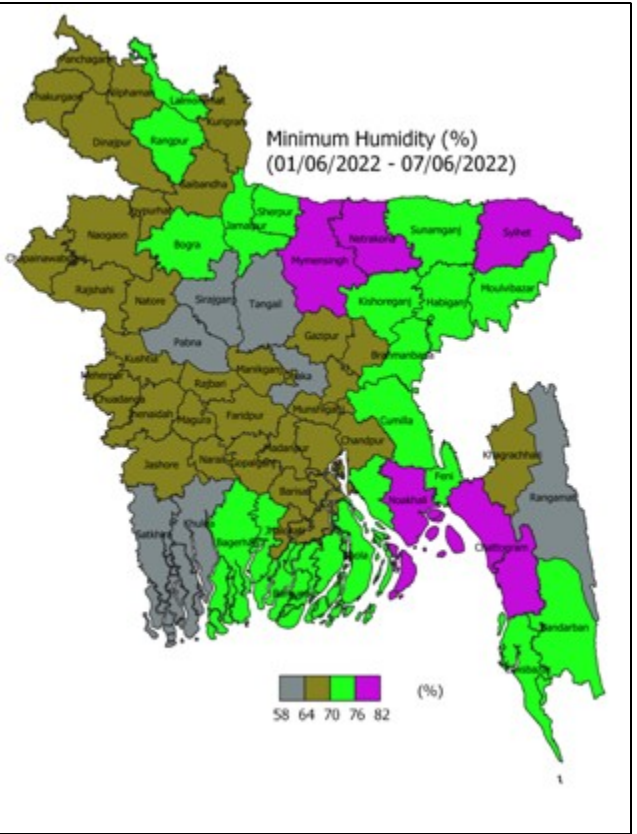
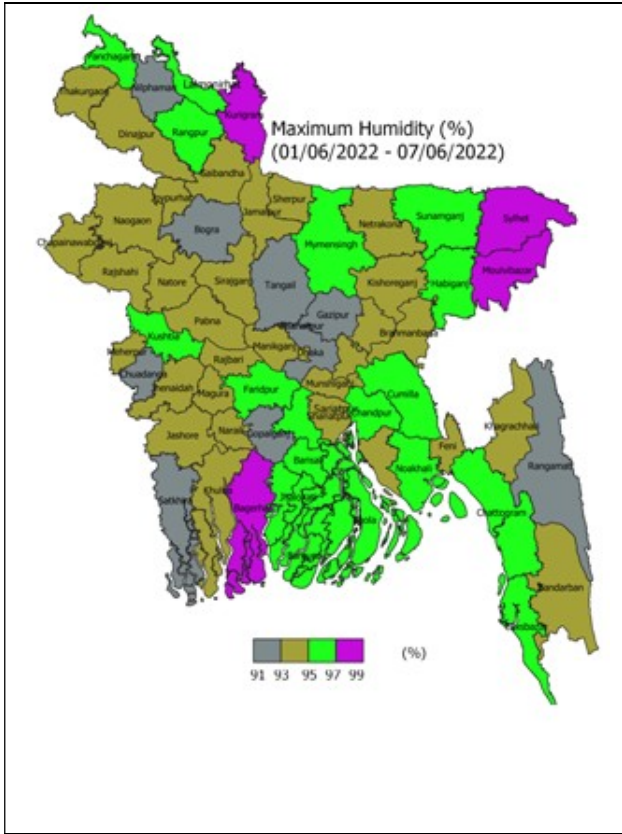
Temperature: Day and night temperature may remain nearly unchanged over the country.

Heat Wave: Mild heat wave is sweeping over the districts of Khulna, Satkhira, Jashore & Chudanga and it may continue & spread.

Spatial Distribution of weather parameters for the Week ending 07 June 2022





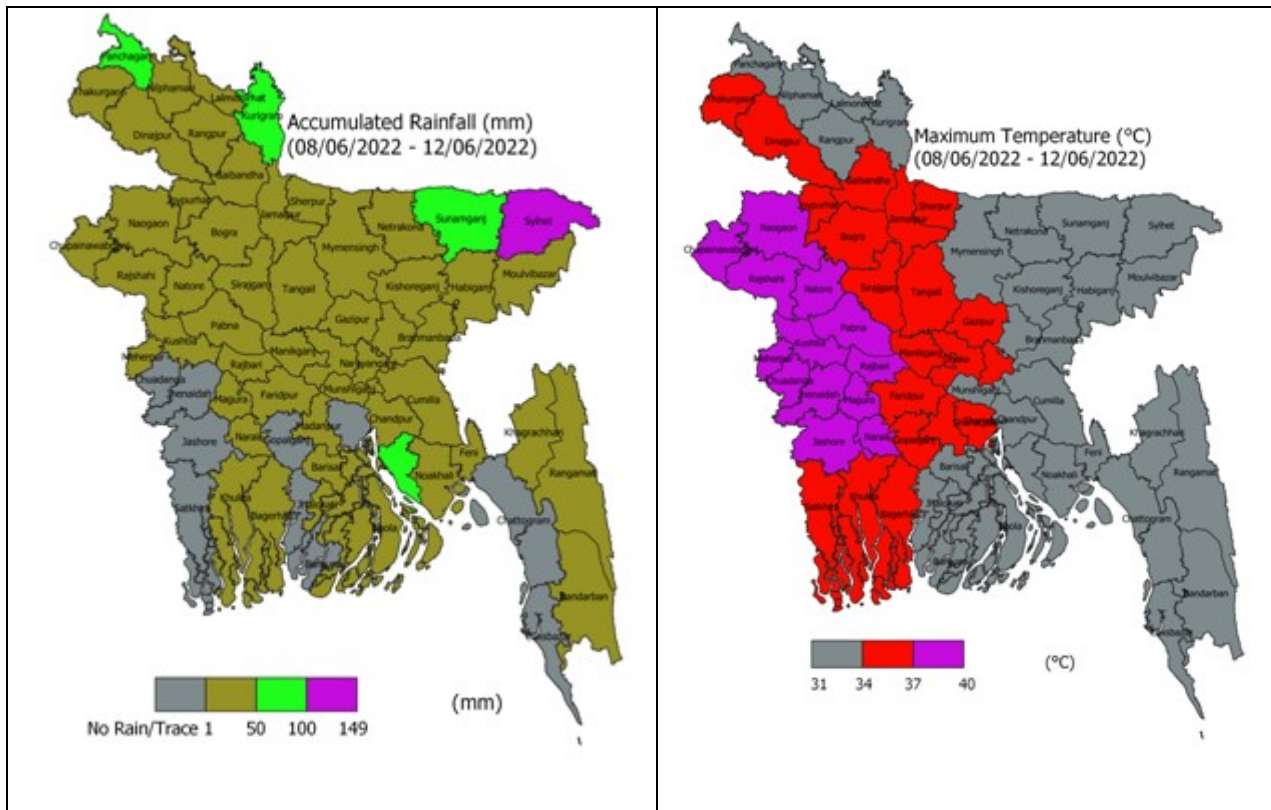


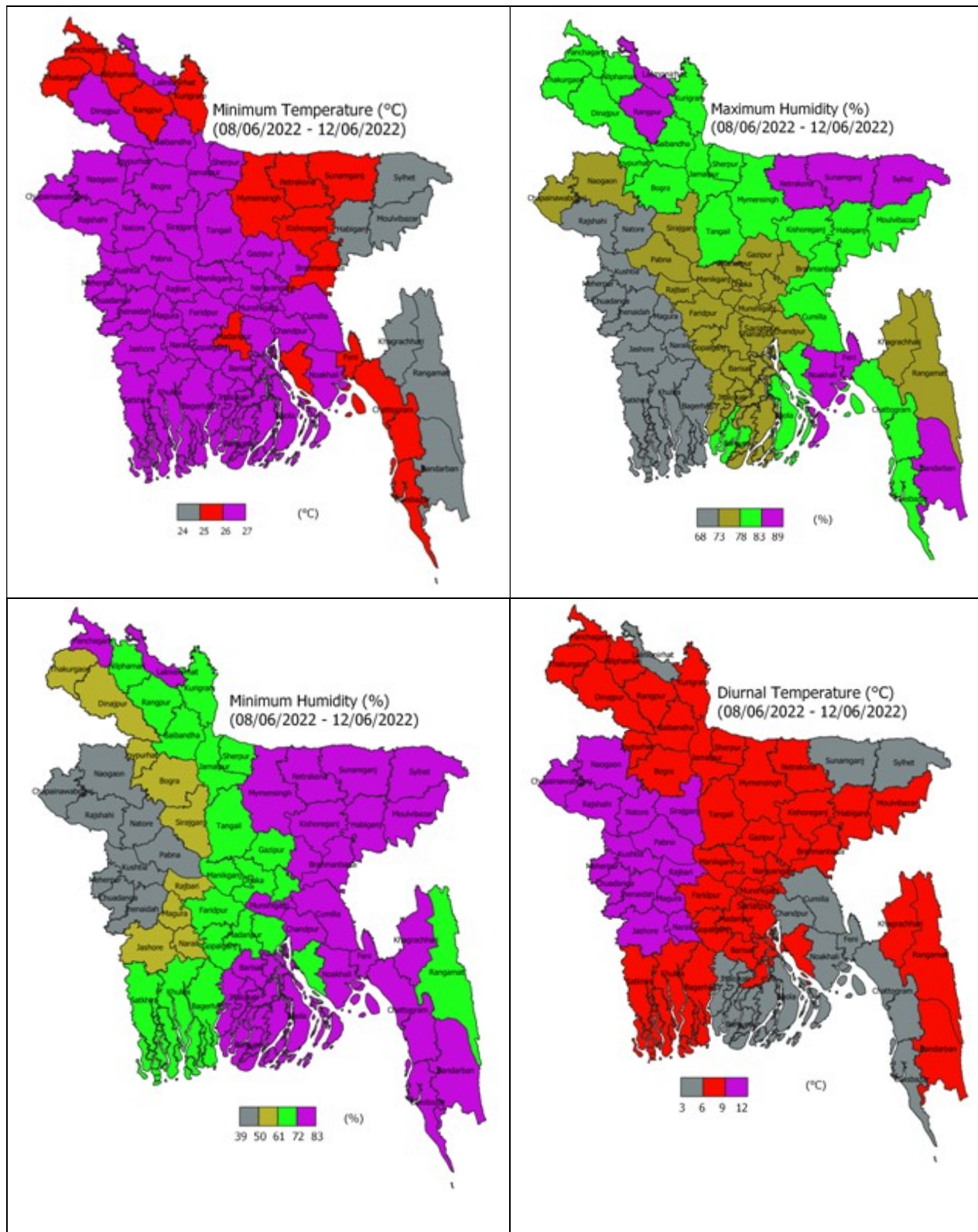
Weather Forecast and Advisory for the Period of 08.06.2022 to 14.06.2022

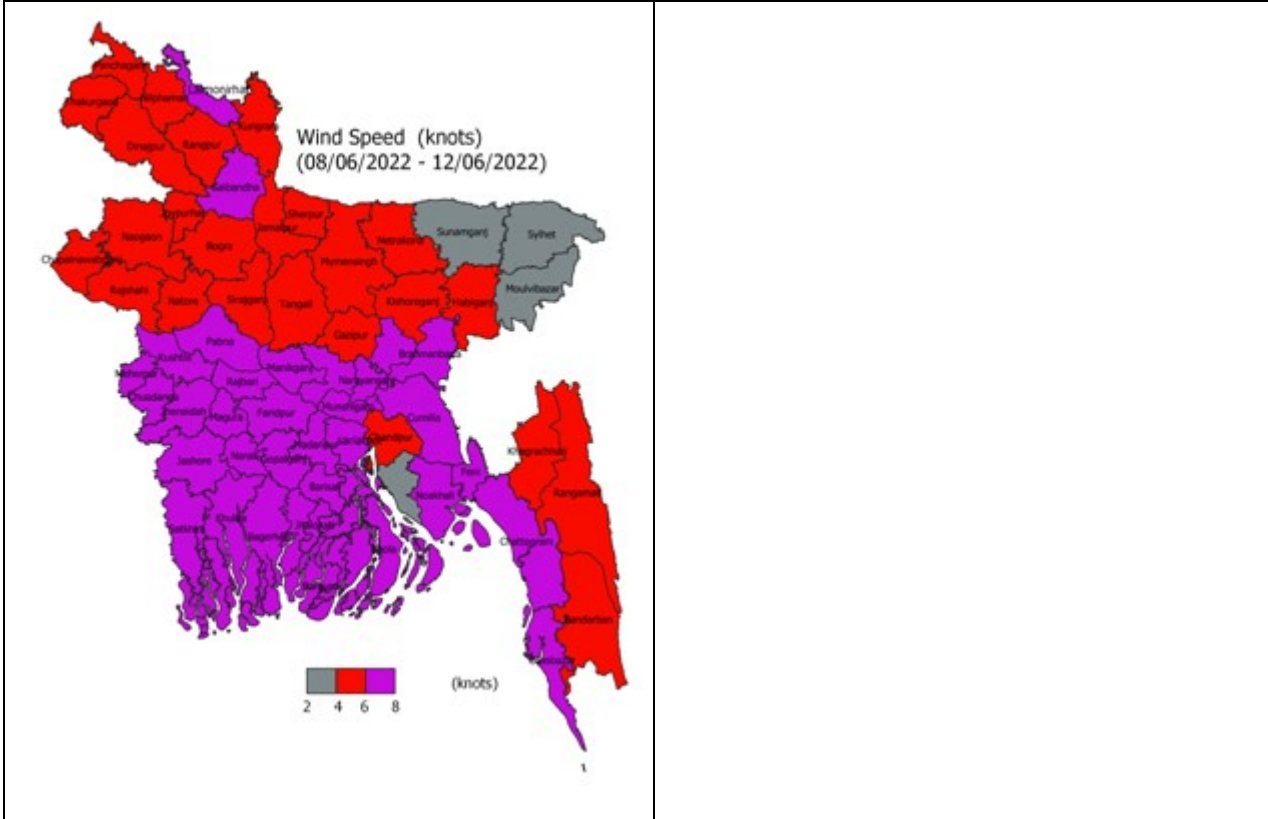
Bright sunshine hour is likely to be from 4.00 to 5. 00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Monsoon is fairly active over Bangladesh and weak to moderate over North Bay.
- Moderate to moderately heavy rain /thunder showers accompanied by temporary gusty/squally wind is likely to occur at most places (more than 75% area) over Sylhet division with heavy to very heavy falls at places.
- Light to moderate rain /thunder showers accompanied by temporary gusty/squally wind is likely to occur at many places (50%-75% area) over Rangpur & Mymensingh divisions with moderately heavy to heavy falls at places.
- Light to moderate rain /thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places (25%-50% area) over Dhaka & Chattogram divisions with moderately heavy falls at places and at one or two places (less than 25% area) over Rajshahi, Khulna & Barishal divisions.
- Day & night temperature may remain nearly unchanged over the country.

District Wise Quantitative Weather Forecast for next Five days from 08 June-12 June 2022

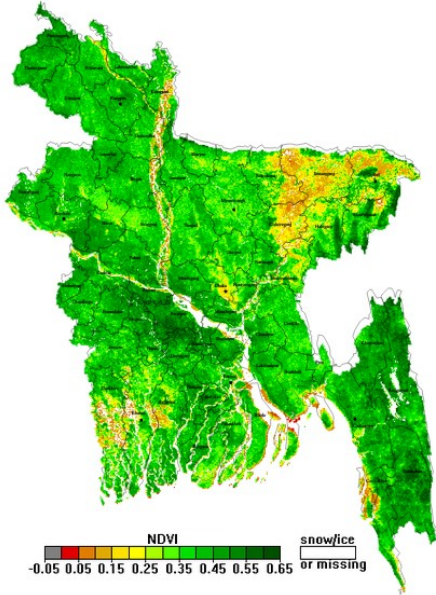




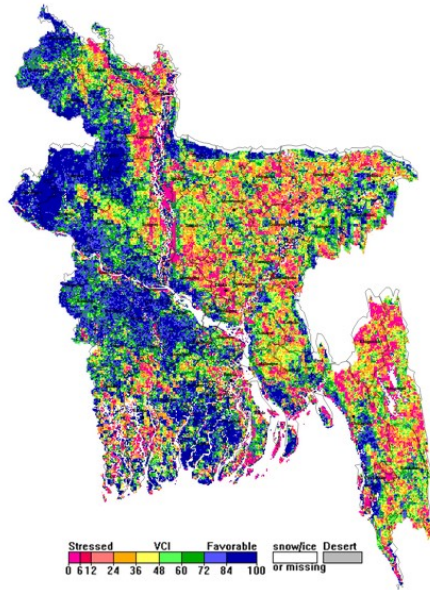


Different Satellite Products over Bangladesh

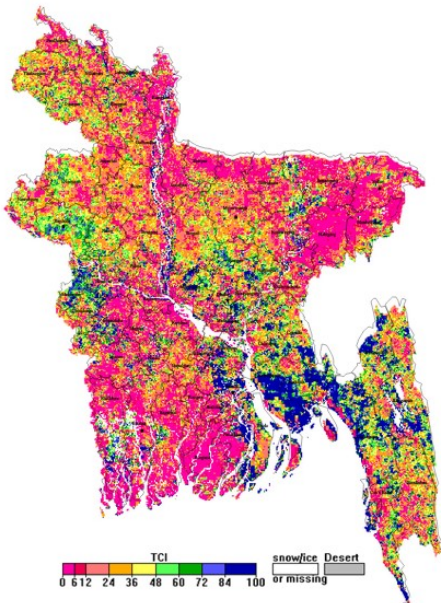
NOAA/VIIRS BLENDED NDVI composite for the week. No. 22 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 22 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 22 (21 May-27 May) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 22 (21 May-27 May) over Agricultural regions of Bangladesh

