



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

05 May 2021 (WEDNESDAY)
[FOR THE PERIOD 05.05.2021 – 09.05.2021]



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.

Please Contact: Farhana Hoque, Sabuj Roy | E-mail: sdamiso@dae.gov.bd
Phone No.: 02-55'028414, 02-55028418

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 accompanied by temporary gusty/squally wind is likely to occur at a few places over Rangpur, Rajshahi, Mymensingh and Sylhet divisions and at one or two places over Dhaka, Khulna, Barishal and Chattogram divisions with hails at isolated places. Day temperature may rise slightly and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours' is rain/thunder showers is likely little change. During last four days, light to 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

Soft Dough to Harvesting stages

- Maintain 2-3 inches standing water level of boro rice field from Panicle Initiation to Soft Dough. If the grains of paddy are hard, water should be removed from the land.
- Neckblast disease may occur at this stage of boro paddy, so whether the disease is present in the paddy field or not, at the stage of Panicle Initiation, in 5 decimal of the land, 8 gm of Trooper / 6 gm of Nativo / Tricyclazole group approved fungicide should be mixed well in the afternoon in 10 liters of water for 5-7 days' intervals should be sprayed twice.
- At this time the land may be attacked by brown grasshoppers. Approved pesticides should be applied in prescribed doses in attack prone areas.
- To protect from kalbaishakhi storm and hail damage, cut and thresh as soon as 80% of the grains are mature.

Vegetables

- Prepare the land for transplanting kharif vegetable.

- To protect the seedlings from disease, shade should be given for 3/4 days after transplanting.
- 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 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.
- At this time soft rot disease of jackfruit may occur. Apply approved pesticides.
- Drain out excess water from the land.
- Apply pesticides after 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 09 AM on 05 May 2021) and maximum temperature on 04 May and minimum temperature on 05 May 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	00	31.4	24.0	Rajshahi	Rajshahi	00	33.0	23.2
	Tangail	00	32.0	22.6		Ishurdi	00	30.5	22.2
	Faridpur	00	29.2	22.3		Bogura	00	31.5	23.5
	Madaripur	00	29.6	21.7		Badalgachhi	00	32.0	22.1
	Gopalganj	Trace	27.3	21.4		Tarash	00	30.6	23.0
	Nikli	11	33.0	22.0					
Mymensingh	Mymensingh	Trace	32.3	22.4	Rangpur	Rangpur	Trace	27.0	22.4
	Netrokona	Trace	31.6	21.7		Dinajpur	00	27.0	22.5
						Sayedpur	Trace	27.0	21.5
Chattogram	Chattogram	01	32.0	23.4	Khulna	Tetulia	Trace	25.5	21.3
	Sandwip	14	32.0	21.5		Dimla	00	28.0	21.8
	Sitakunda	xx	35.5	xx		Rajarhat	01	25.5	20.0
	Rangamati	00	34.0	21.0	Barishal	Khulna	02	29.3	23.0
	Cumilla	00	32.0	21.6		Mongla	06	29.2	23.1
	Chandpur	00	36.0	23.4		Satkhira	11	29.2	22.0
	M.Court	31	31.5	21.6		Jashore	09	26.0	21.8
	Feni	38	33.4	20.8		Chuadanga	00	27.8	22.2
	Hatiya	16	xx	21.8		Kumarkhali	00	29.5	22.5
	Cox's Bazar	06	34.5	23.7					
	Kutubdia	02	32.0	23.0					
	Teknaf	00	33.7	25.0					
	Sylhet	Sylhet	02	30.2	21.8				
Srimangal		51	33.0	21.0					

Highlights:

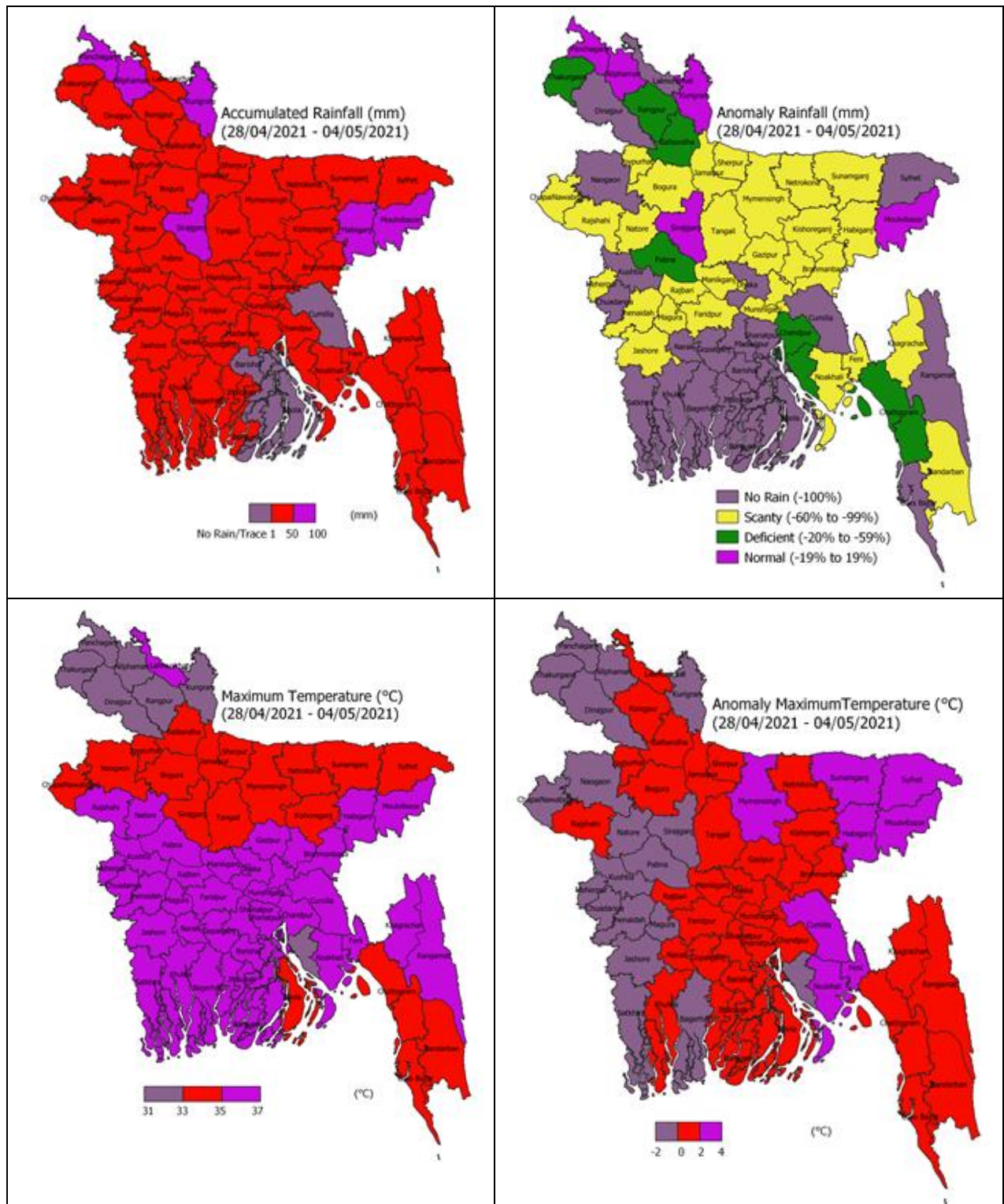
- Country average bright sunshine hour was 6.30 hours per day during last week.
- Country average free water loss during the previous week was 4.00 mm per day.

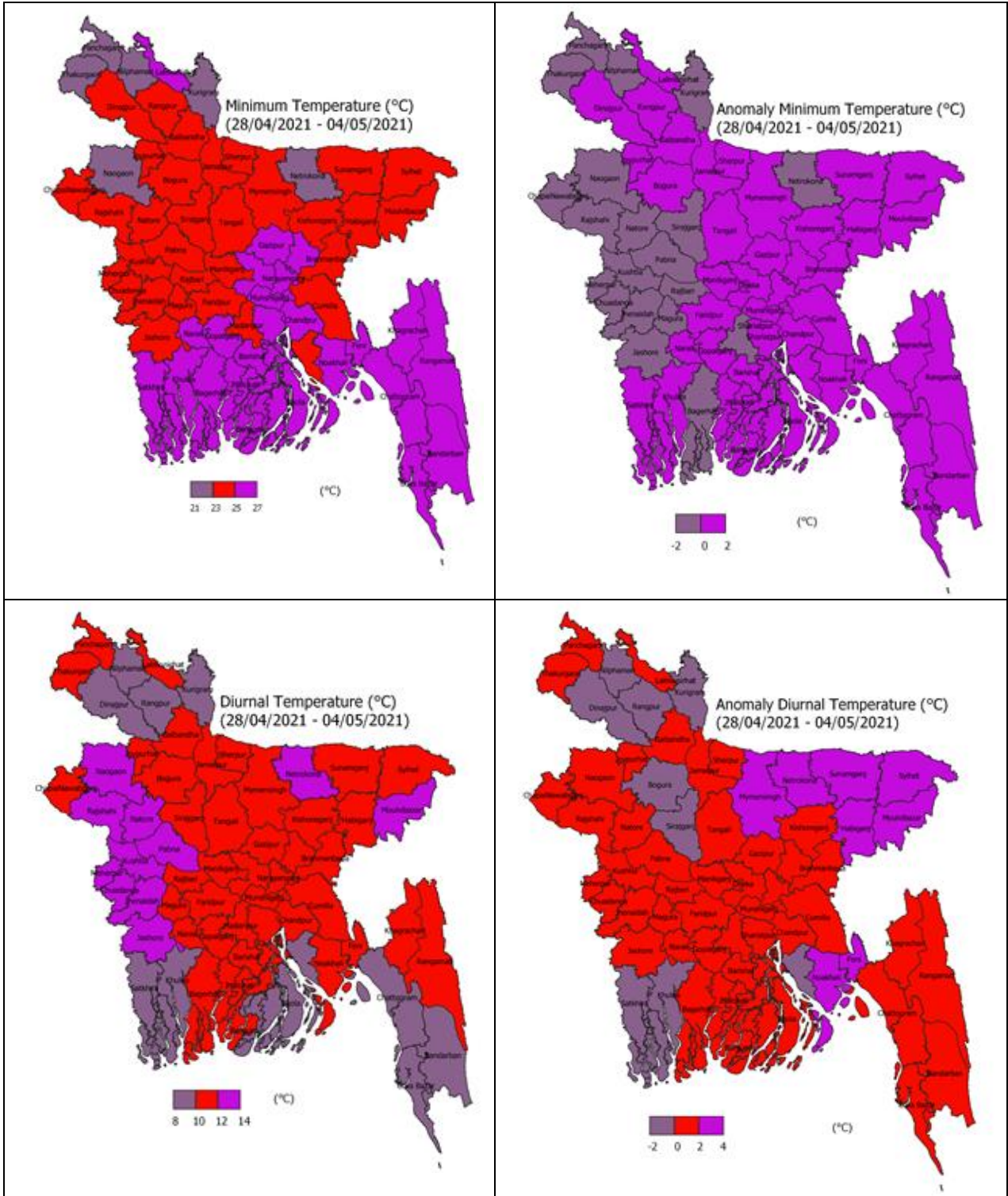
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

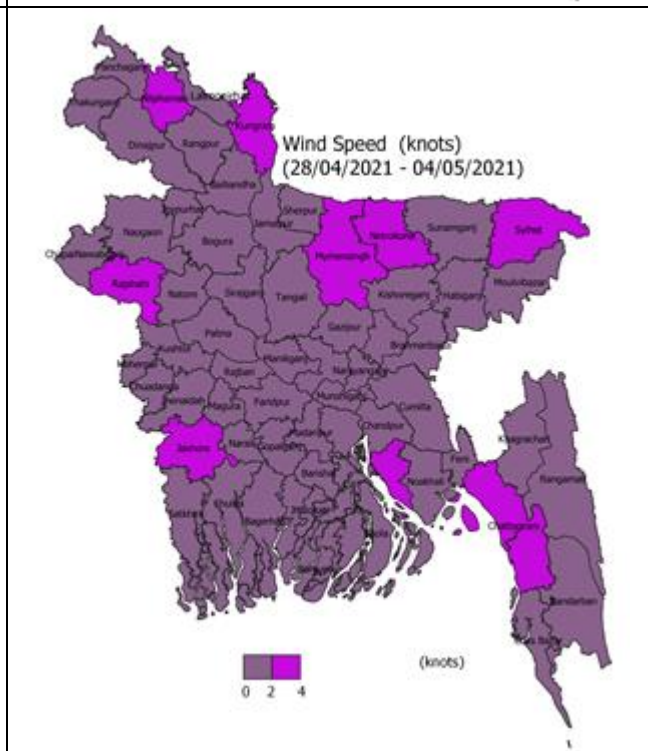
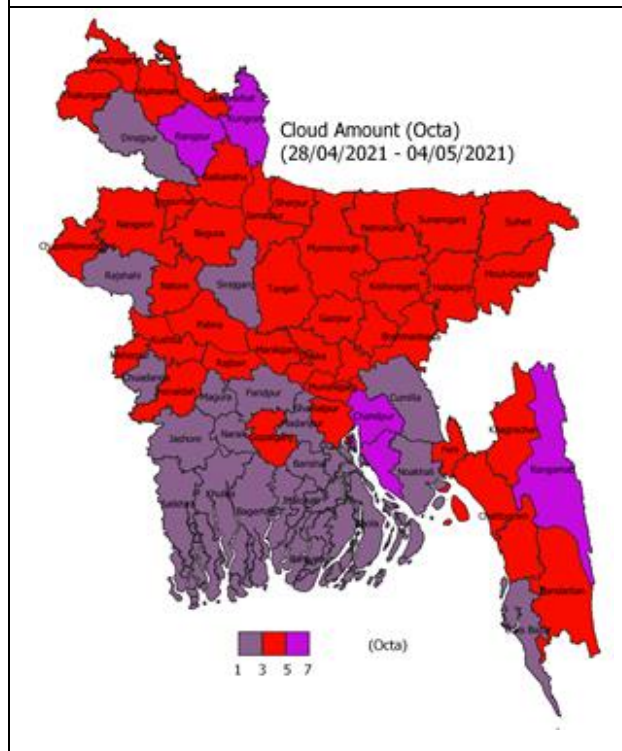
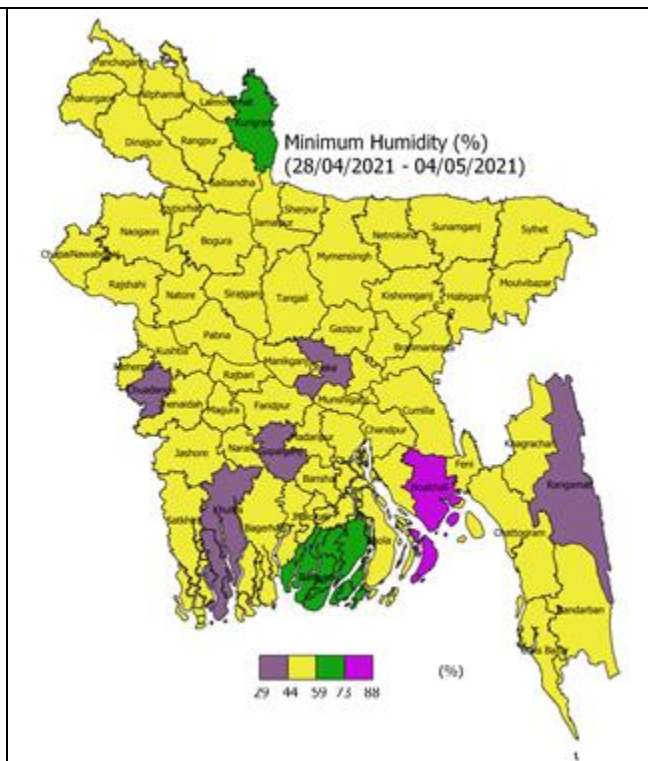
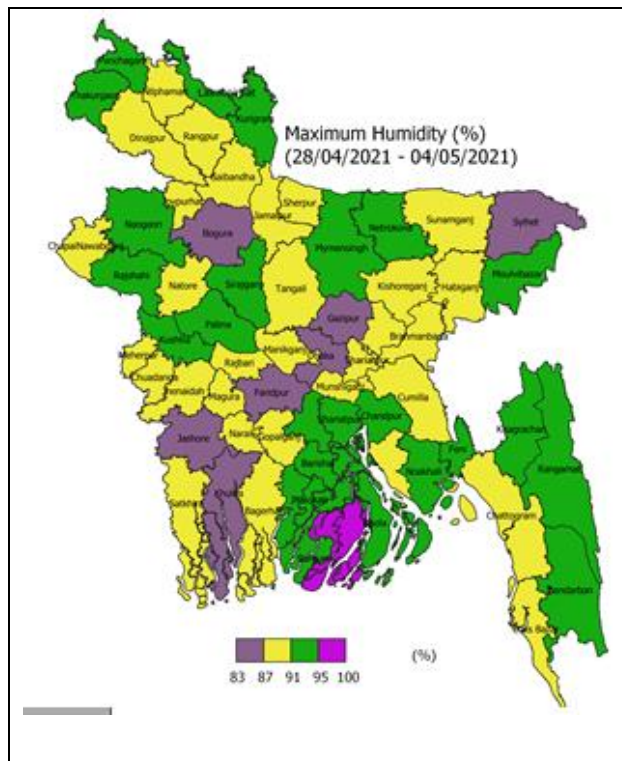
Forecast: Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places over Rangpur, Rajshahi, Mymensingh and Sylhet divisions and at one or two places over Dhaka, Khulna, Barishal and Chattogram divisions with hails at isolated places.

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

Spatial Distribution of weather parameters for the Week ending 04 May 2021





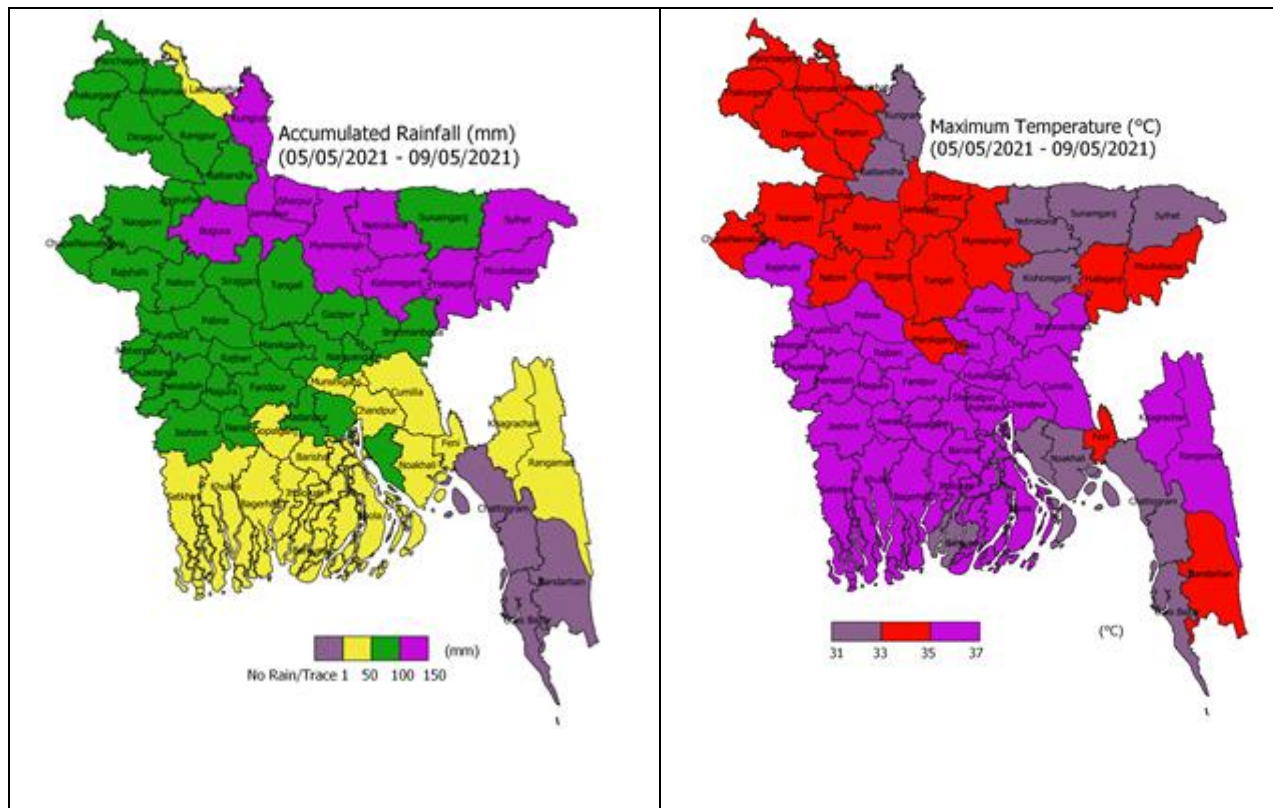


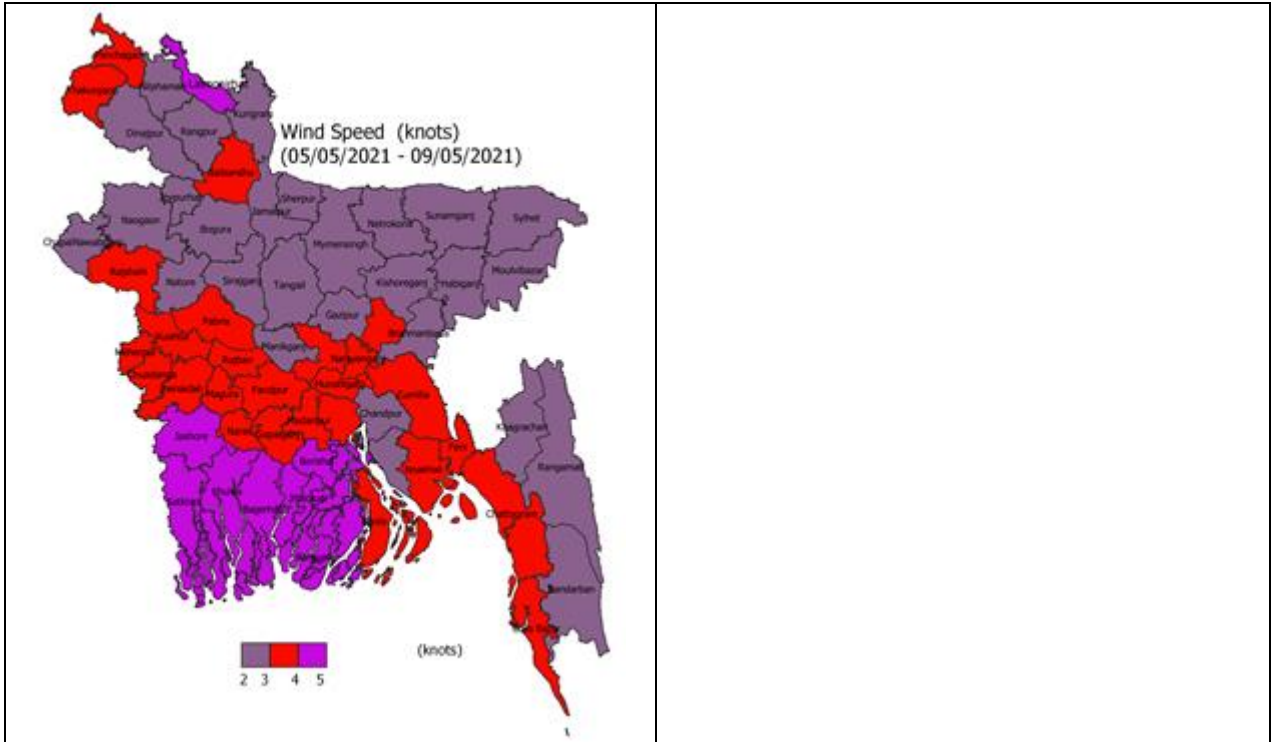
Weather Forecast and Advisory for the Period of 02.05.2021 to 08.05.2021

Bright sunshine hour is likely to be from 6.00 to 7.00 hours per day during this week. Average free water loss is likely to be from 4.00 to 5.00 mm per day during this week.

- Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at a few places over Rajshahi, Rangpur, Dhaka, Mymensingh and Sylhet divisions and at one or two over Khulna, Barisal and Chattogram divisions with isolated hail at places during the first half of the period.
- Weather may remain mainly dry with temporary partly cloudy sky over the country having chances of rain/thunder showers accompanied by temporary gusty wind is likely to occur at one or two places over Dhaka, Mymensingh and Sylhet divisions and the regions of Cumilla during the second half of the period.
- Day and night temperature may fall by 1-2°C during the first half and may rise by 1-2°C over the country during the second half of the period.

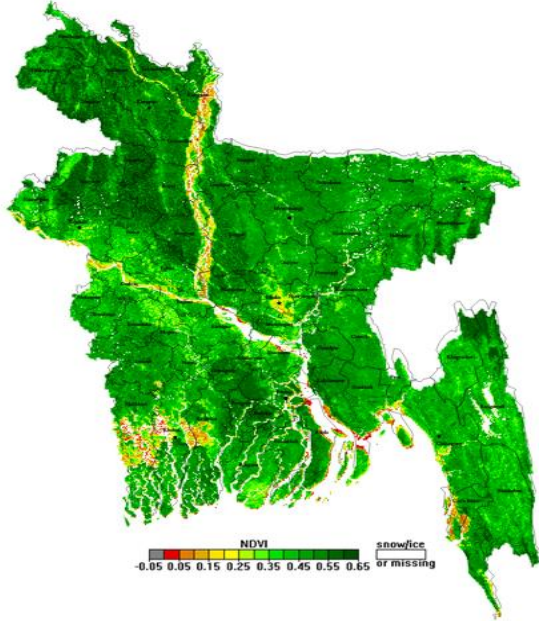
District Wise Quantitative Weather Forecast for next Five days from 05 May-09 May 2021



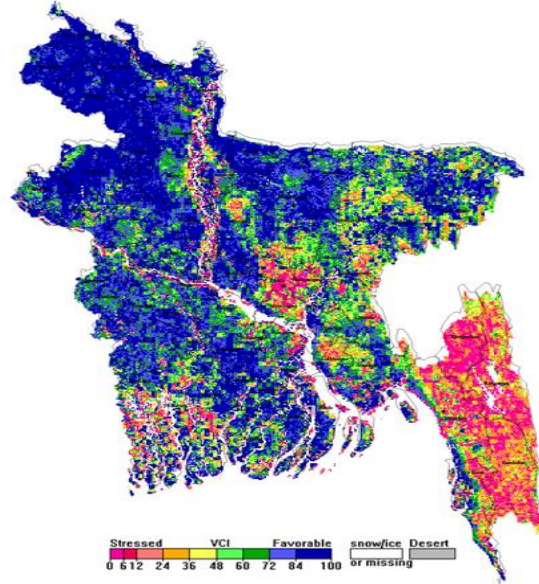


Different Satellite Products over Bangladesh

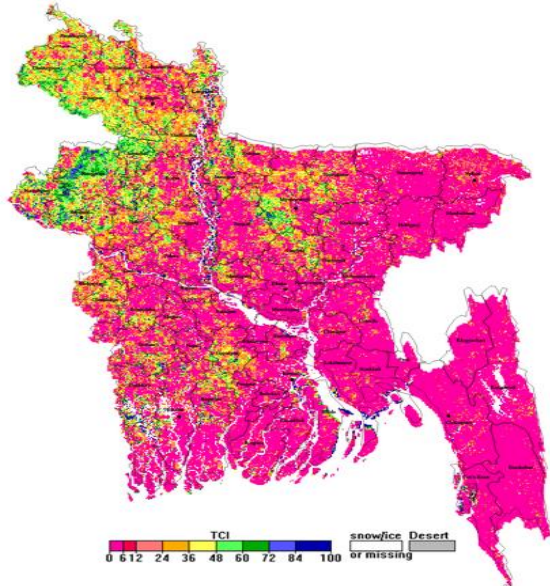
NOAA/VIIRS BLENDED NDVI composite for the week No. 16 (16 April-22 April) over Agricultural regions of Bangladesh



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

