



NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

08 MAY 2019 (WEDNESDAY)
[FOR THE PERIOD 08.05.2019-12.05.2019]



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

Salient Agromet Advisories

Mild heat wave is sweeping over Khulna division and the regions of Faridpur, Gopalganj, Kutubdia, Rajshahi, Pabna & Dinajpur and it may spread. High temperature is suitable for deep ploughing of fields after harvesting of Rabi crops. It helps in destroying the eggs and pupating stages of insects and weed seeds. Special care should be taken for livestock and poultry under increased temperature. After the harvest of the rabi crops, Incorporation of crop residues @ 5t./ha improves the soil physical, property, infiltration rate and soil water holding capacity. moisture around root zone. Under high temperature forecast condition evaporation rate will be higher so reduce interval between two irrigations and apply irrigation at evening time The farmers having facility of drip irrigation system for vegetables and plantation crops should regulate the water discharge rate accordingly to maintain proper soil. Spread plastic or fodder as mulch in vegetable fields for conserving proper moisture. Specific advisories for standing boropaddy and seedbed of aus are also required after the passage of cyclone Fani over Bangladesh recently. At present there may not be any chance of flood in Haor area. Besides, under the prevailing warm and humid conditions, several pests and diseases incidences incidences may be reported and thus appropriate prophylactic measures are required. Some of the salient advisories issued today taking into consideration of the above facts are mentioned below,

Boro Paddy:

Remove excess water from the field.

Make arrangement for replanting of short duration aus variety (e.g. BRRI-48, BRRI 33, BRRI 21) in damaged rice field due to heavy rainfall and high wind.

Matured and lodged paddy should be harvested, dried and keep in safe place.

Tie five-six unripen plant together

As there is no chance of rainfall next one week, harvest the matured crop immediately and keep in safer place

Aus Paddy:

Remove excess water from the seedbed

If the nurseries in the seedbed becomes yellowish, apply 7 gram urea per sq. meter.

If the nurseries in the seedbed is not green in colour, apply 10 gm gypsum per sq. meter.

Remove weeds by hand.

If the population of Thrips and Green Leaf Hopper exceeds 25%, apply Malathion group insecticide at the rate of 1ml/1 litre of water

Jute:

Remove excess water from the field.

After removing excess water from field and when soil is relatively dry, weeding may be done.

After weeding, apply urea as top dressing.

Vegetables:

Remove excess water from the field.

Make arrangement for replanting of vegetables in damaged vegetable field due to heavy rainfall and high wind

Keeping in view of high temperature forecast, farmers are advised for harvesting of mature vegetables at morning and evening hours and keep harvested crops in shadow.

Livestock:

There is forecast for increase in temperature, hence protect animals and poultry birds from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time.

Use wet gunny bags as side curtains to protect animals and poultry birds from direct hot winds

Provide sufficient watering facility to the animals in shed for control respiration rate.

Protect the animals against direct warm air flow with hanging gunny bags in open ventilated animal shed

Poultry:

To avoid heat stress in poultry birds:

Feeding should be done during early morning and late evening,

Avoid overcrowding and maintain proper ventilation inside the shed.

Cover the cage with gunny bags and sprinkle water to main the cage relatively cold.

Double the watering space in poultry houses during summer. Daily provide plenty of fresh, clean and cool drinking water during hot weather

Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 08 May'19) and maximum temperature on 07 May, minimum temperature on 08 May' 2019 are 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	35.2	27.7	Rajshahi	Rajshahi	00	38.2	27.3
	Tangail	00	35.7	26.5		Ishurdi	00	37.8	27.7
	Faridpur	00	36.4	27.1		Bogura	00	35.6	28.0
	Madaripur	00	35.5	26.5		Badalgachhi	00	35.5	26.0
	Gopalganj	00	36.0	27.4		Tarash	00	35.8	27.3
	Nikli	00	34.0	26.8					
Mymensingh	Mymensingh	00	33.5	26.3	Rangpur	Rangpur	00	33.4	23.5
	Netrokona	00	33.1	24.0		Dinajpur	00	36.0	23.6
						Sayedpur	00	34.4	23.0
Chattogram	Chattogram	00	34.0	27.0		Tetulia	00	31.5	22.2
	Sandwip	00	33.1	27.0		Dimla	00	32.5	22.6
	Sitakunda	00	33.3	27.1		Rajarhat	00	33.1	23.0
	Rangamati	00	35.2	26.0	Khulna	Khulna	00	36.8	27.5
	Cumilla	00	33.7	26.6		Mongla	00	37.0	27.1
	Chandpur	00	35.2	27.4		Satkhira	00	36.4	28.0
	M.Court	00	35.2	26.8		Jashore	00	38.0	27.4
	Feni	00	34.7	26.0		Chuadanga	00	37.8	27.7
	Hatiya	00	35.0	26.2	Kumarkhali	00	37.8	28.0	
	Cox's Bazar	00	34.3	26.8					
Kutubdia	00	36.5	27.5	Barishal	Barishal	00	34.6	27.4	
Teknaf	00	34.0	26.5		Patuakhali	00	35.3	27.8	
					Khepupara	00	33.5	28.0	
Sylhet	Sylhet	41	33.6	22.3		Bhola	00	34.3	27.5
	Srimangal	00	35.0	26.0					

Highlights:

- Country average of bright sunshine hour was 8.22 hours per day during last week.
- Country average of free water loss during the previous week was 4.56 mm per day.

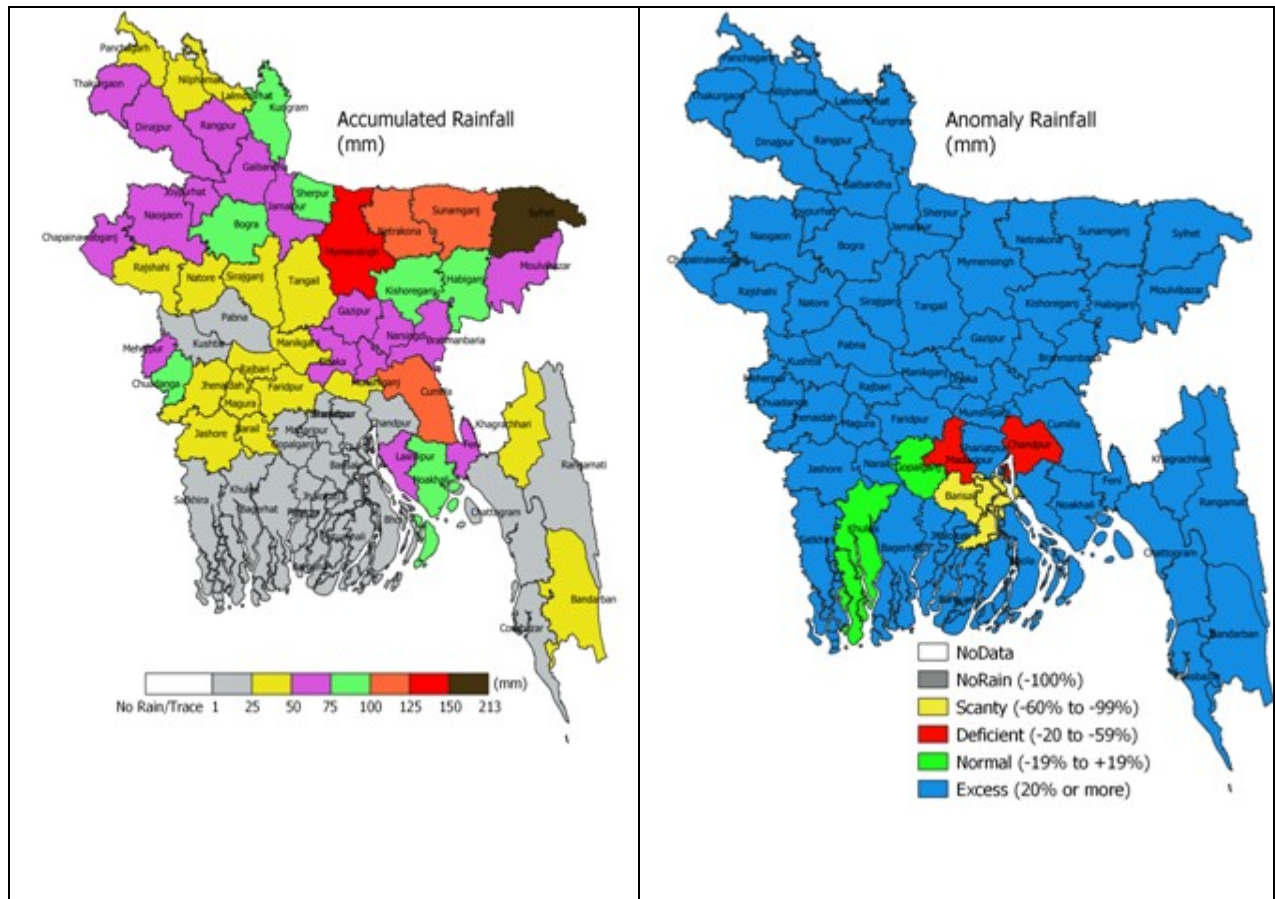
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

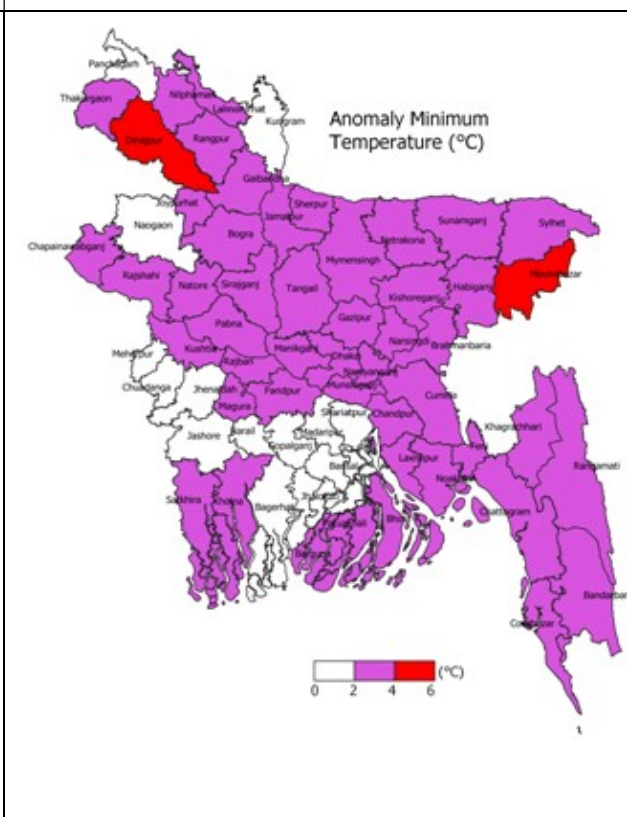
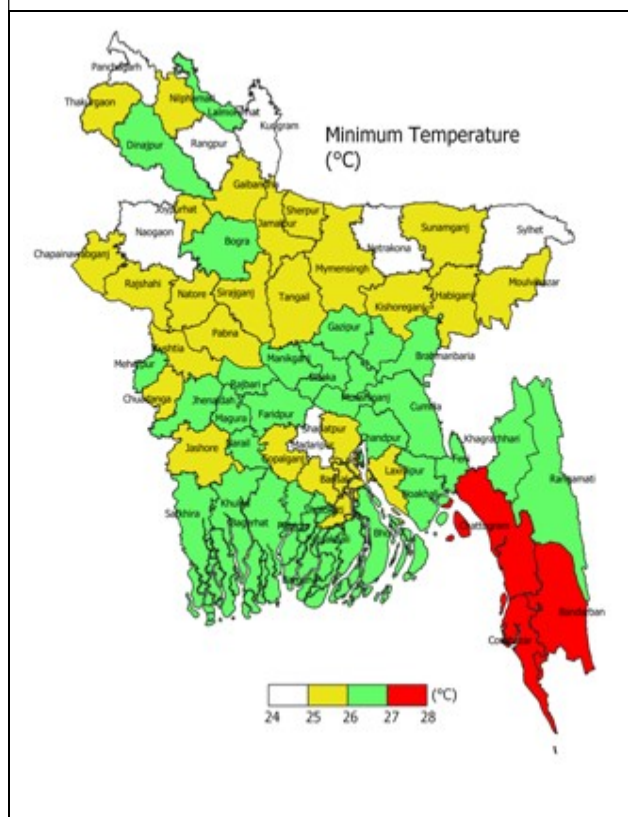
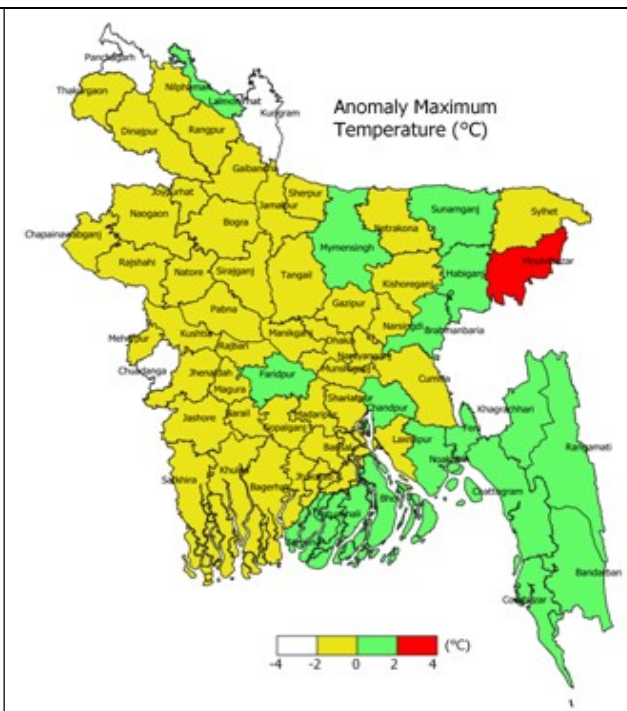
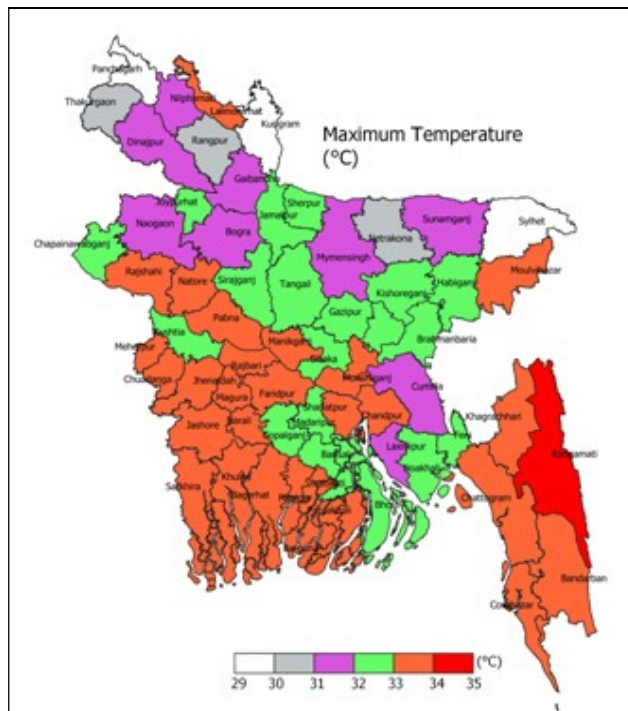
Forecast: Rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at one or two places over Rangpur, Mymensingh & Sylhet divisions. Weather may remain mainly dry with partly cloudy sky elsewhere over the country.

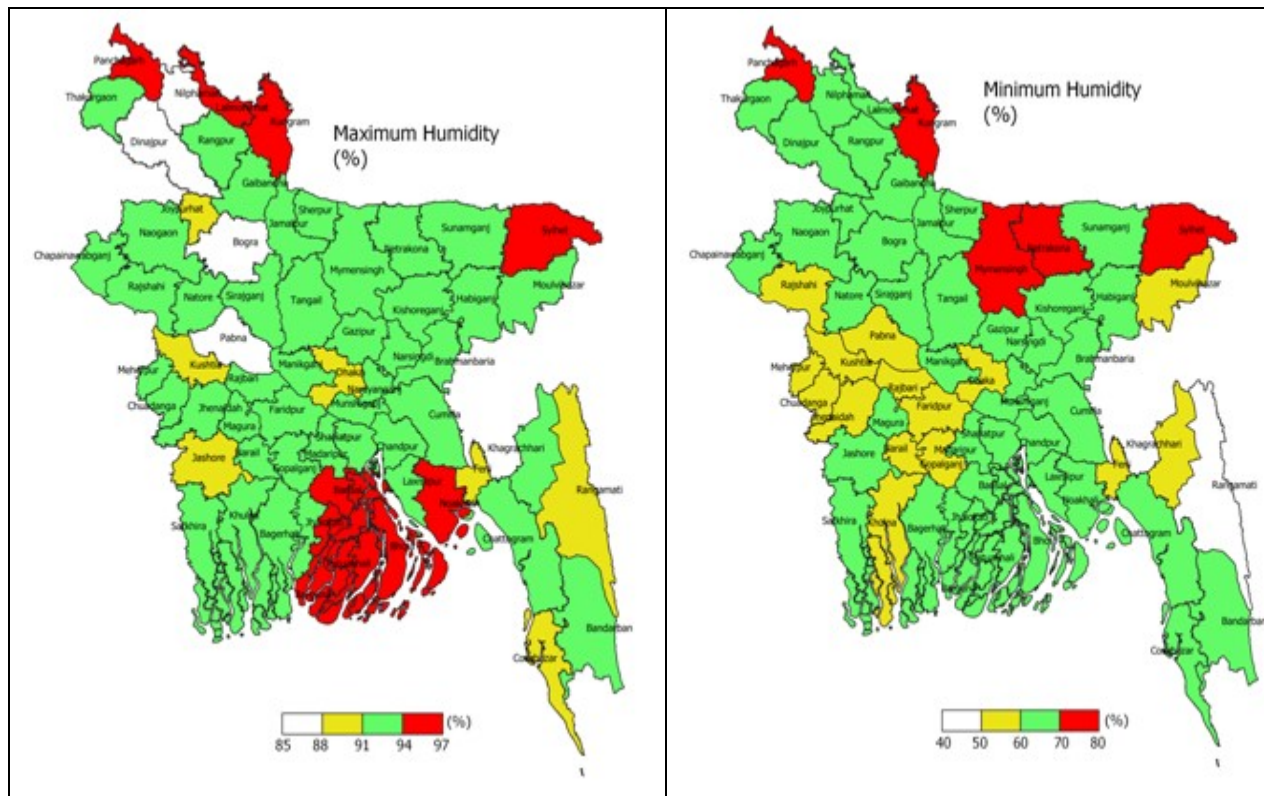
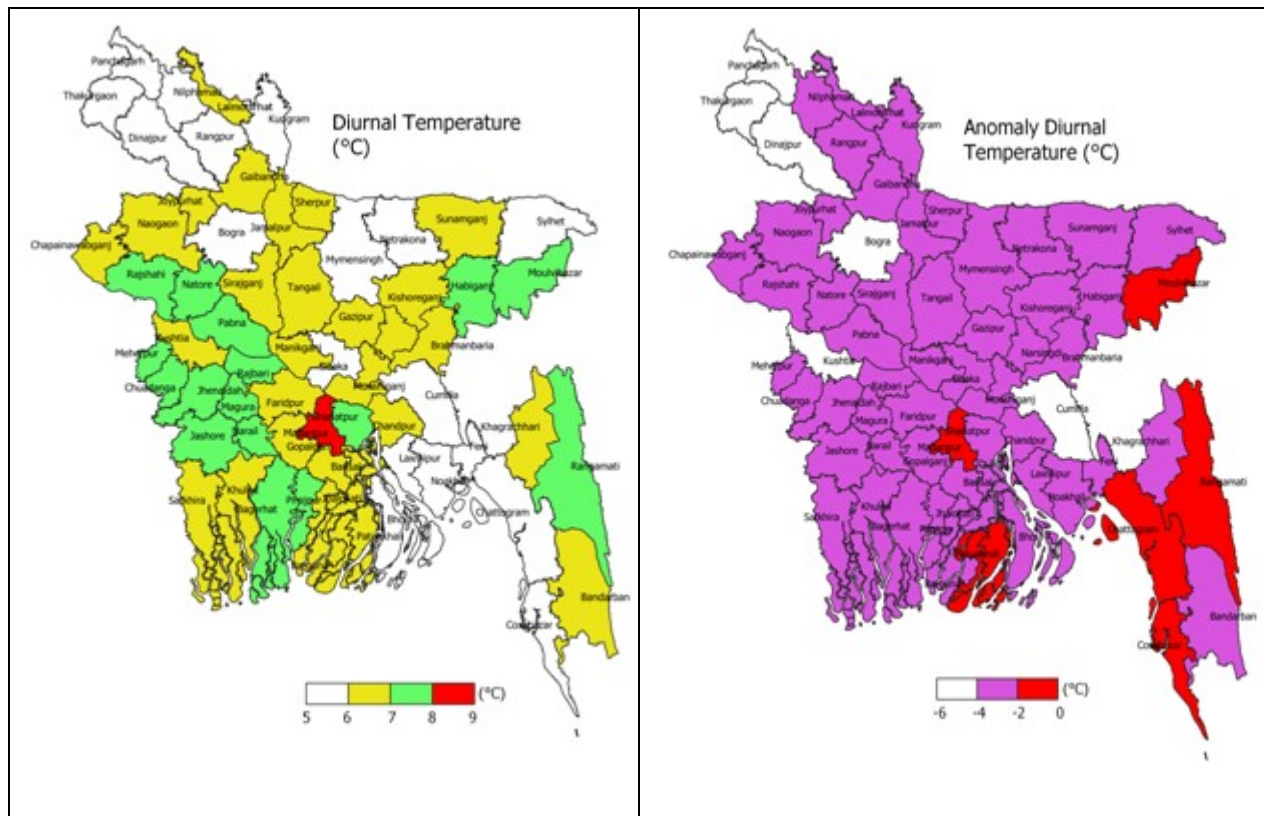
Heat wave: Mild heat wave is sweeping over Khulna division and the regions of Faridpur, Gopalganj, Kutubdia, Rajshahi, Pabna & Dinajpur and it may spread..

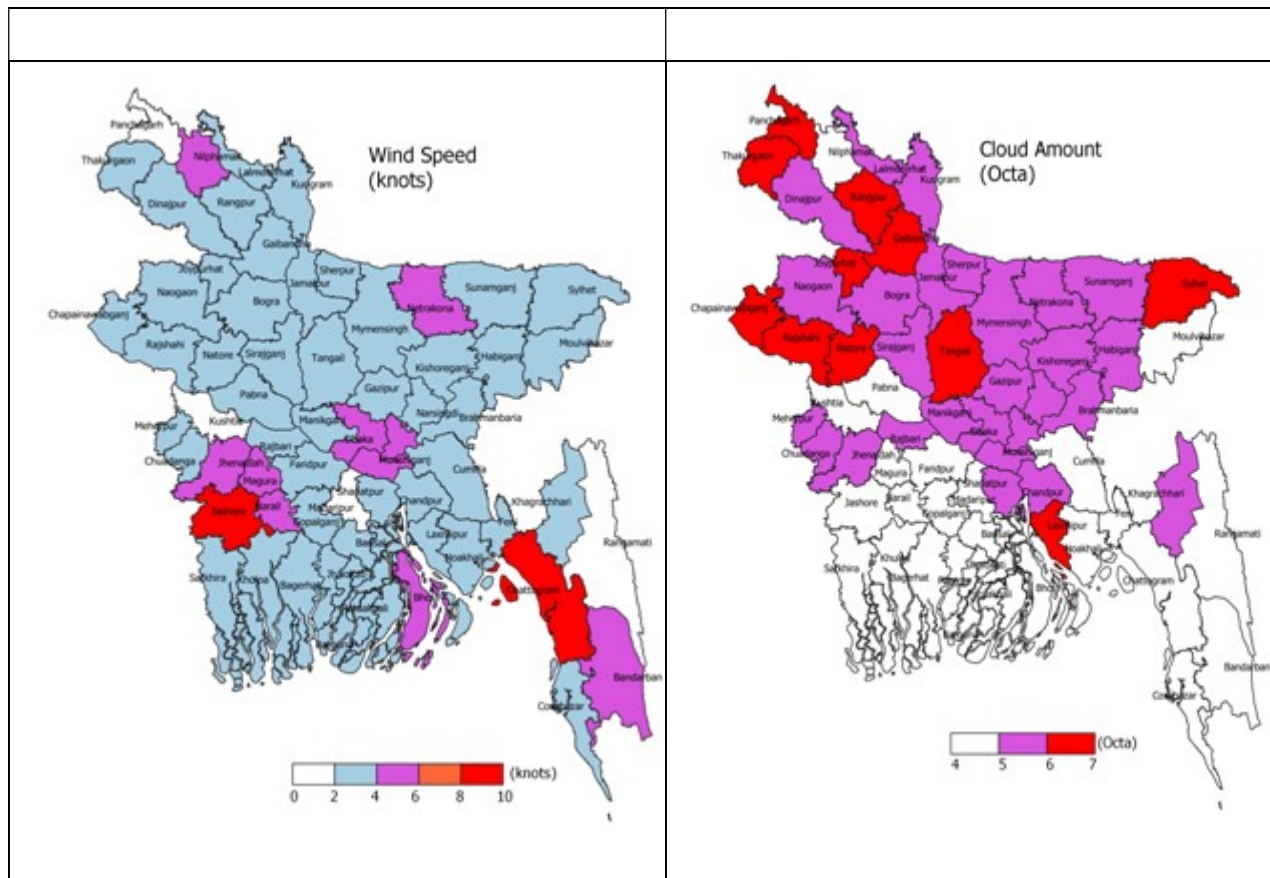
Temperature: Day and night temperature may rise slightly over the country.

Spatial Distribution of weather parameters for the Week ending 7th May 2019







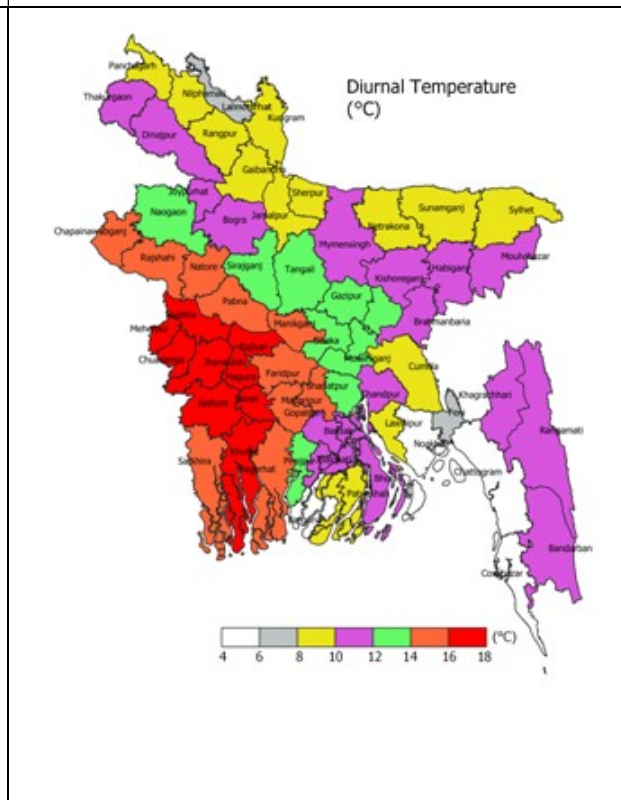
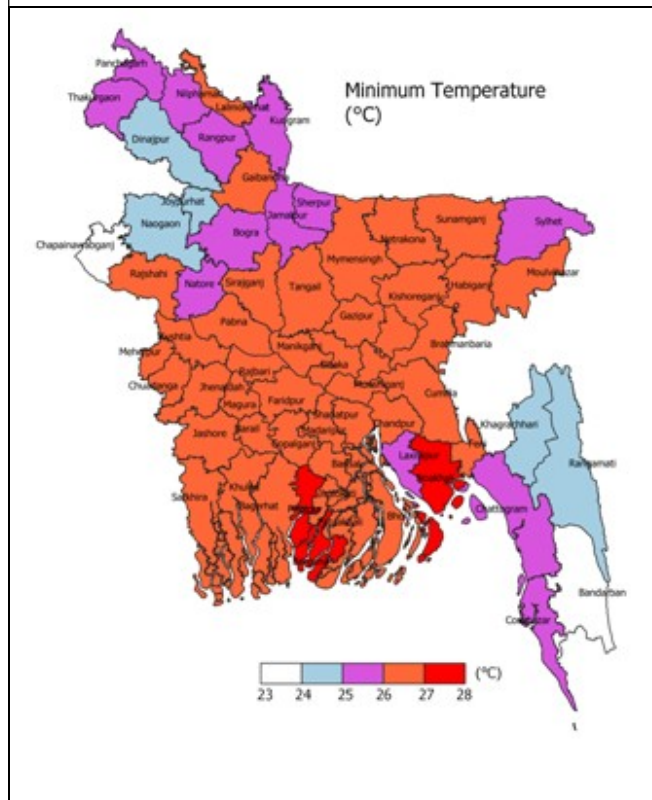
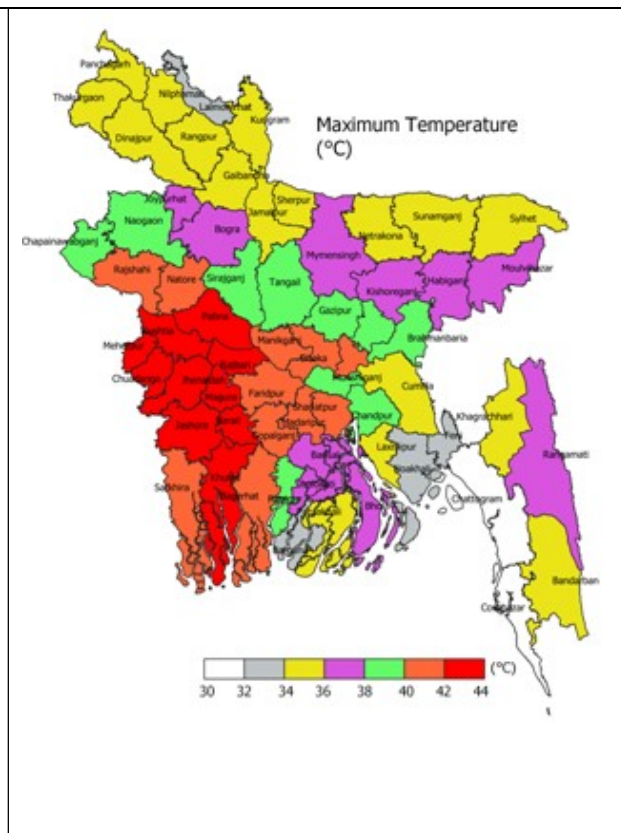
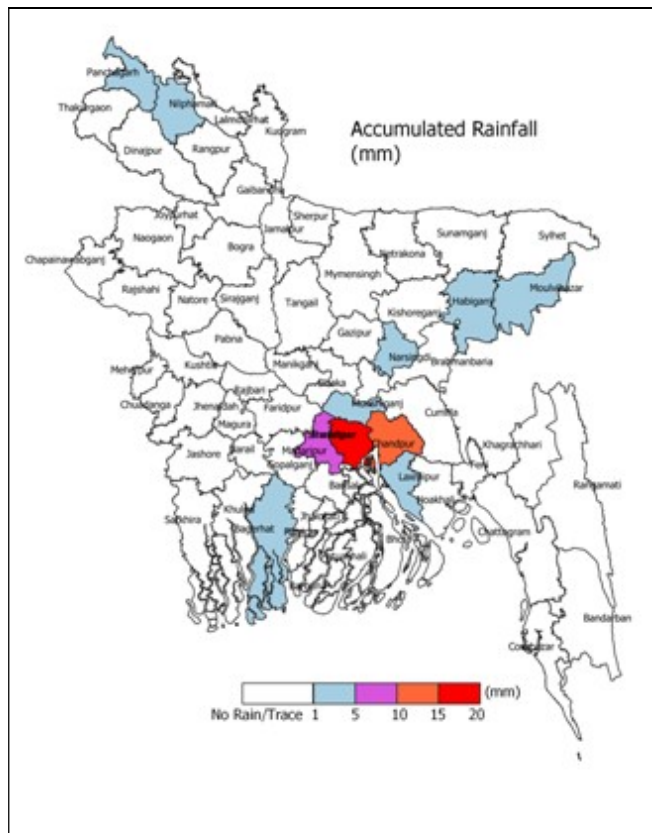


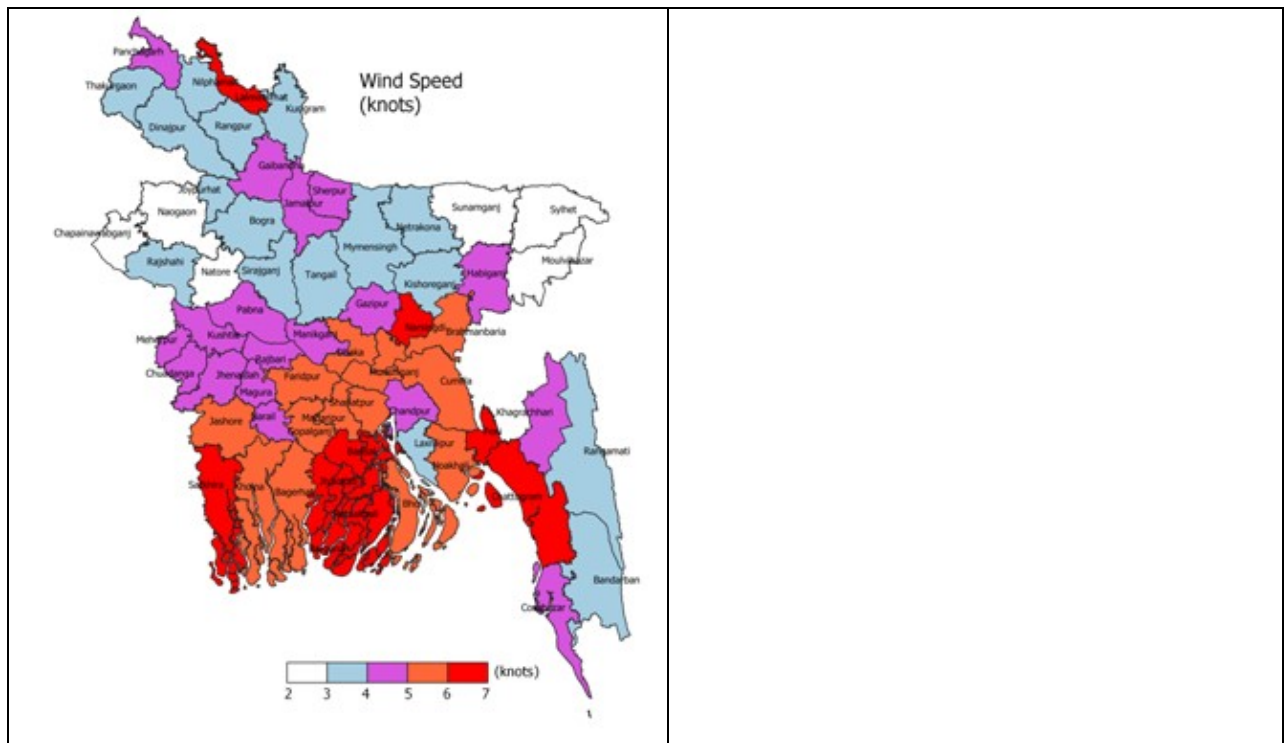
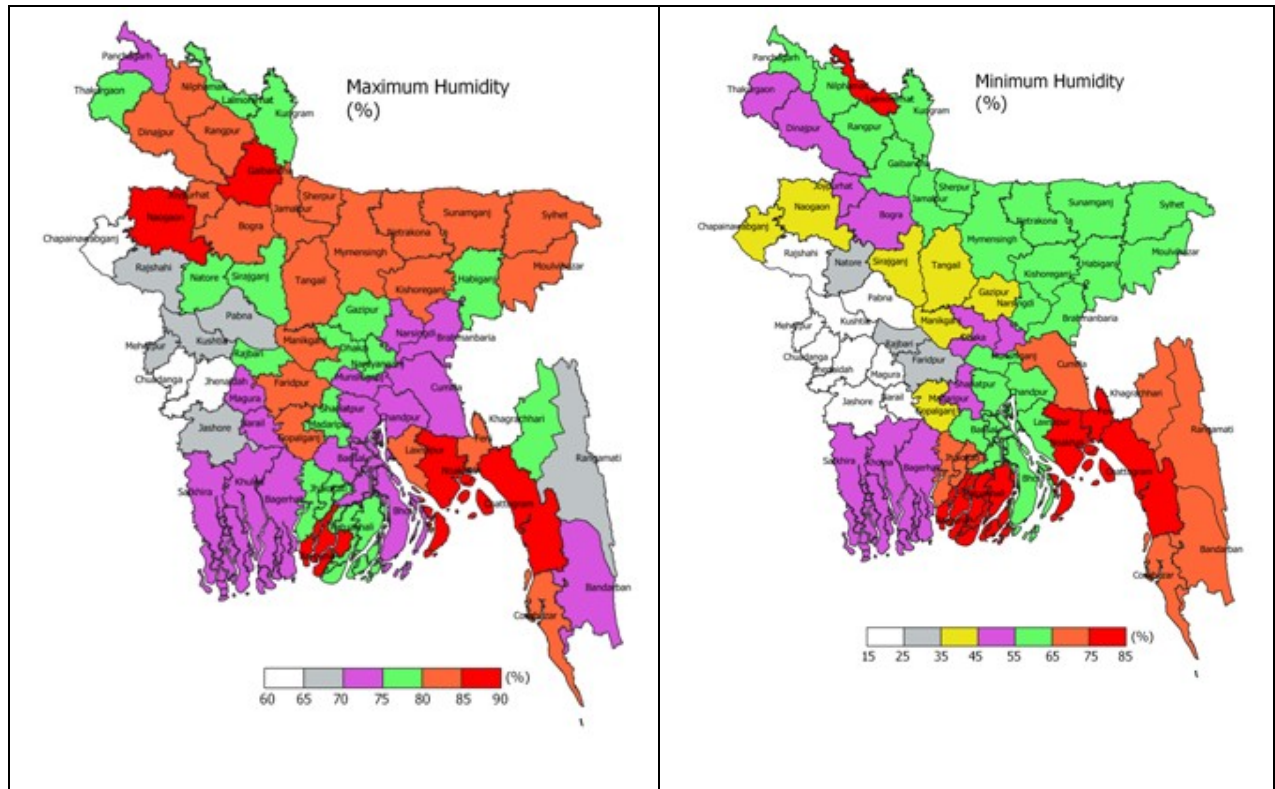
Weather Forecast and Advisory for the Period of 02.05.2019 to 07.05.2019

Bright sunshine hour is likely to be from 6.50 to 8.00 hours per day during this week. Average of free water loss during the next week is likely to be from 4.00 to 5.00 mm per day.

- Moderate (11-22 mm/d) to moderately heavy (23-43 mm/d) rain/thunder showers is likely to occur at many places over the country, With a chance of moderately heavy (23-43 mm/d) to heavy falls (44-88 mm/d) at most places over the Khulna, Barisal, Chattogram and Dhaka divisions during this period.
- Slight falls in Day and Night temperature during this period.

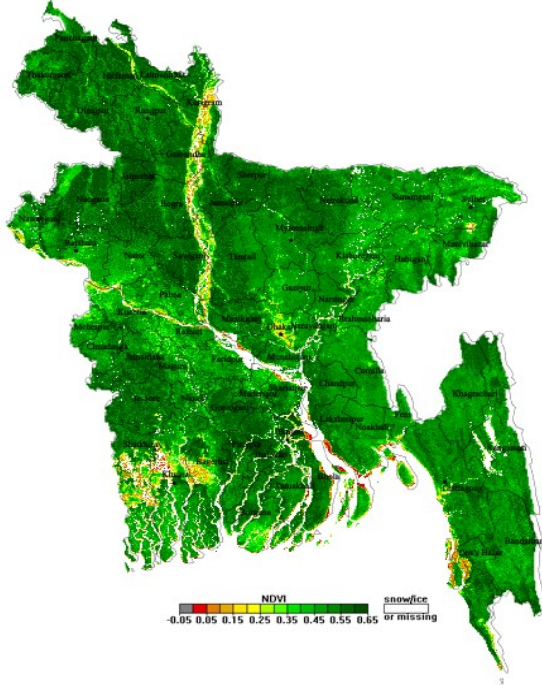
District wise Quantitative Weather Forecast for next Five days from 08 May -12 May'19



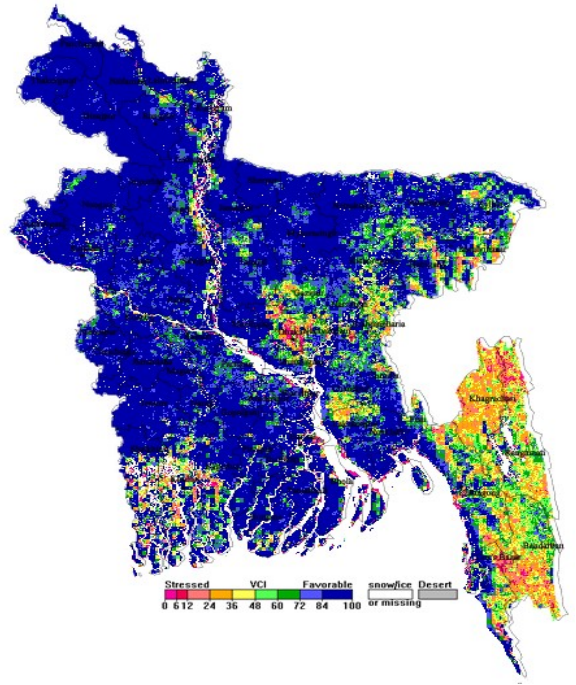


Different Satellite Products over Bangladesh

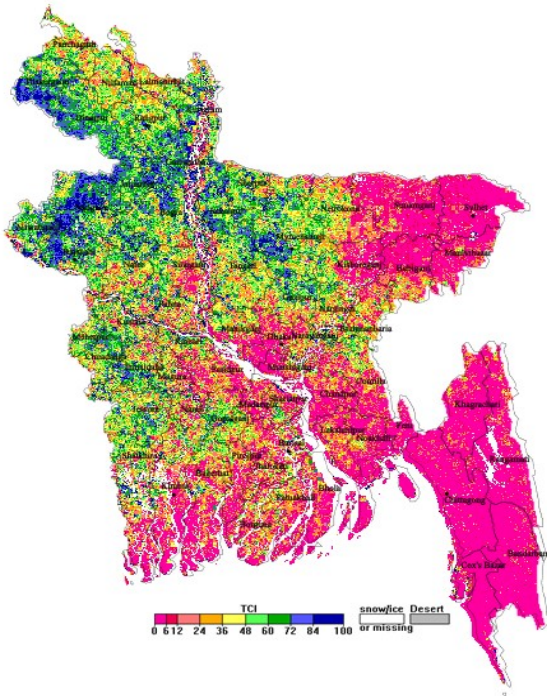
NOAA/VIIRS BLENDED NDVI composite for the week number No. 17 (01 May -07 may) over Agricultural regions of Bangladesh



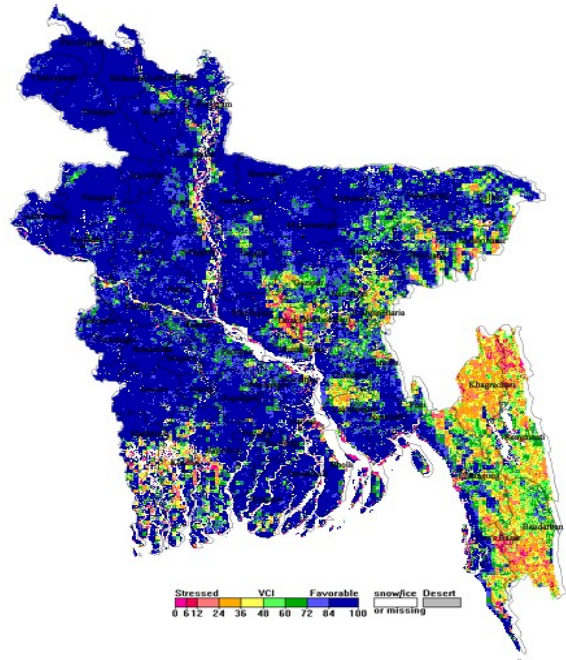
NOAA/ AVHRR BLENDED VCI composite for the week number No. 17 (01 May -07 may) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week number No. 17 (01 May -07 may) over Agricultural regions of Bangladesh



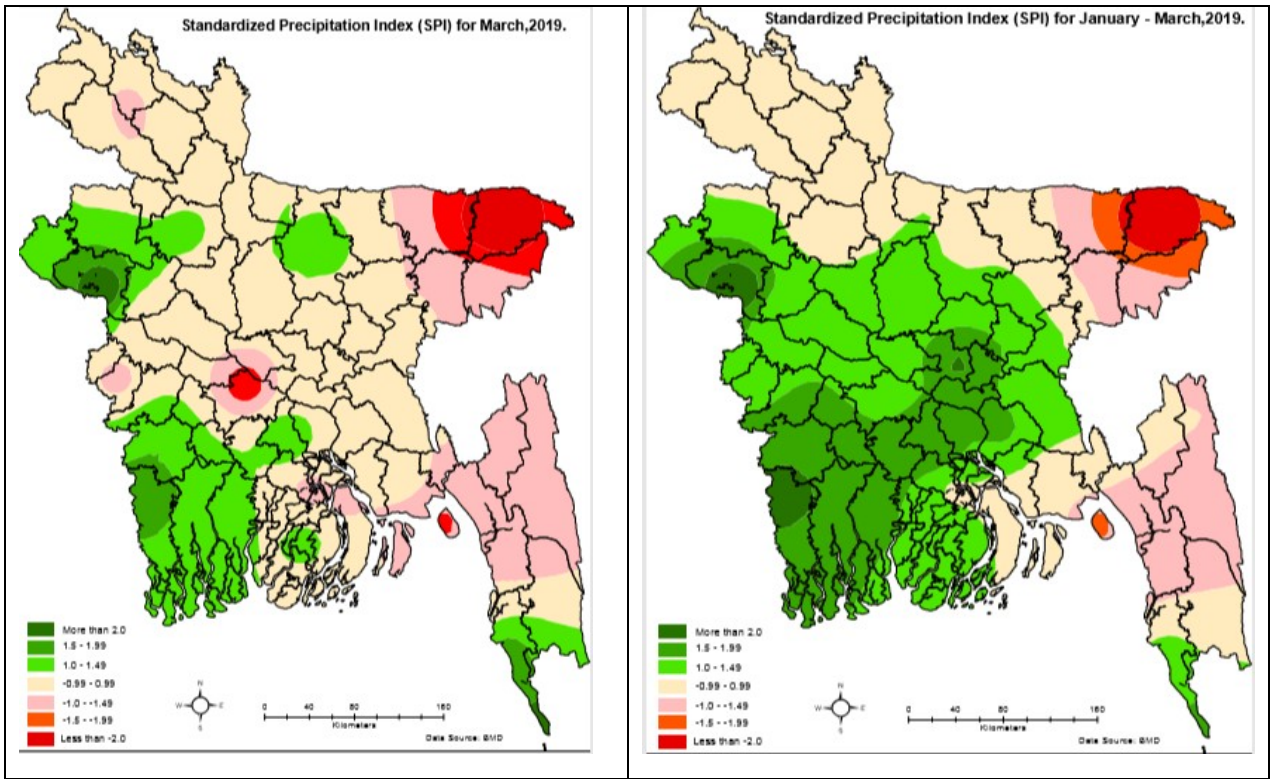
NOAA/ AVHRR BLENDED VHI composite for the week number No. 17 (01 May -07 may) over Agricultural regions of Bangladesh



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Monitoring Meteorological Drought in Bangladesh using Standardized Precipitation Index (SPI)

It has been observed that during last three months as well as in March, normal conditions prevails in districts located in southern, northwest and central parts of Bangladesh whereas the districts in southeast and a few districts near central parts are under dry condition and some districts in northeast parts are wet conditions .



Source: Bangladesh Meteorological Department

Flash Flood Monitoring in Haor Region (Source: Bangladesh Water Development Board)

RIVER SITUATION SUMMARY AS ON May 08, 2019

- Except Kushiyara the major rivers in the North-Eastern region of the Country are in falling trend.
- According to the information of Bangladesh Meteorological Department and Indian Meteorological Department, there is chance of light rainfall in the North-Eastern region of Bangladesh and adjacent Indian regions in next 48 hours.

- The Koshiyara river may remain steady in next 24 hours and other Major rivers of the North-Eastern region of the Country may continue falling in next 24 hours.

General River Condition

Monitored Water Level Station	39	Inactive Gauge	01
Rise	12	Gauge Reading Missing	0
Fall	26	Total Not Reported	01
Steady	00	Above Danger Level	02