

NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

16 November 2022 (WEDNESDAY) [FOR THE PERIOD 16.11.2022 – 20.11.2022]









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

Agromet Advisories

According to the medium range forecast, there is no chance of rainfall of the country in the next five days. The following agromet advisories are provided in these circumstances:

Chattogram region (Districts: Chattogram, Lakshmipur, Coxsbazar, Noakhali and Feni)

Rice Boro

- Stage: Seedbed
- As this season is cyclone prone, it is advised to prepare the seedbed in high land and also
 make arrangements for draining out of water and also advised for community based
 seedbed preparation.
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal. Apply 400 gm gypsum per decimal if the seedlings are still not recovered after application of urea.
- Apply light irrigation.

Vegetable

- Eggplant may be attacked by tip and fruit borer under prevailing weather conditions. For control, 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.
- Under the prevailing weather condition, there is a chance of aphid attack in beans and cabbage. Use the approved dose of Chloropyrix group of pesticides.
- Apply Irrigation.

Horticultural

- Guava may be attacked by caterpillars under the prevailing condition. For control, spray 05 grams of soap powder per liter of water.
- Coconut trees may be attacked by spiders under prevailing weather condition., all the young caconut of the affected tree should be cut down and burnt. Infected trees and nearby young trees should be sprayed with any spider repellent such as Omite 57 EC mixed in 1.5 ml of one liter of water.
- Apply Irrigation.

Livestock

- Give Vaccination based on age and physical condition of cattle.
- Give dewormer if livestock are not given dewormed.

Poultry

• High power bulbs (100 watts or more) in the poultry shed for 1-2 hours after dusk will increase egg production and diseases will reduce.

- Reduce food intake in winter. Stop feeding if necessary
- Application of 250 grams of lime per decimal at the beginning of winter helps to get rid of fish diseases.

Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj)

Wheat

- Stage:Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Boro

- Stage: Transplanting
- The main field should be prepared for transplanting of boro paddy with 3-4 times ploughing followed by laddering and Leveling should be done properly to retain water uniformity.
- Apply 13 kg urea (1/3 of total urea) as first basal dose and also 13 kg TSP, 20 kg MOP, 15kg gypsum and 15 kg zinc per bigha after complete preparation of field.
- Seedling of 35 to 45 days old may be transplanted.
- Maintain 5-7 cm land water level.
- Maintain thin layer of water (1 2 cm) in the main field up to 15 days after transplanting.
- Dead hills are to be replanted within 7-10 days of transplanting of Boro paddy
- Apply irrigation.

Vegetable

- Eggplant may be attacked by tip and fruit borer under prevailing weather conditions. For control, 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.
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Horticultural

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- Apply Irrigation.

Livestock

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Poultry

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Mymensingh Region (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Aman

- **Stage**: Maturity to Harvesting
- Drain out the water from the land 15 days before harvest.

Rice Boro

- Stage: Seedbed
- It is advised to prepare the seedbed in high land and also make arrangements for draining out of water and also advised for community based seedbed preparation.
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal. Apply 400 gm gypsum per decimal if the seedlings are still not recovered after application of urea.
- Apply light irrigation.

Vegetable

- Eggplant may be attacked by tip and fruit borer under prevailing weather conditions. For control, 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.
- Under the prevailing weather condition, there is a chance of aphid attack in beans and cabbage. Use the approved dose of Chloropyrix group of pesticides.
- Apply Irrigation.

Horticultural

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- Apply Irrigation.

Livestock

- Give Vaccination based on age and physical condition of cattle.
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Poultry

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Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Aman

- **Stage**:Grain Formation
- Apply irrigation.
- Maintain 2-5 cm land water level.
- Present weather condition is congenial for **False smut** infestation. Apply Fertilizer management.

Vegetable

- Eggplant may be attacked by tip and fruit borer under prevailing weather conditions. For control, 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.
- Under the prevailing weather condition, there is a chance of aphid attack in beans and cabbage. Use the approved dose of Chloropyrix group of pesticides.
- Apply Irrigation.

Horticultural

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- Apply Irrigation.

Mustard

- Stage: Flowering
- Advice for weedings in mustard fields.

Livestock

- Give Vaccination based on age and physical condition of cattle.
- Give dewormer if livestock are not given dewormed.

Poultry

• High power bulbs (100 watts or more) in the poultry shed for 1-2 hours after dusk will increase egg production and diseases will reduce.

Fisherv

- Reduce food intake in winter. Stop feeding if necessary
- Application of 250 grams of lime per decimal at the beginning of winter helps to get rid of fish diseases.

Cumilla Region (Districts: Cumilla, Chandpur, Bramanbaria)

Rice Boro

- **Stage**: Transplanting
- The main field should be prepared for transplanting of boro paddy with 3-4 times ploughing followed by laddering and Leveling should be done properly to retain water uniformity.
- Apply 13 kg urea (1/3 of total urea) as first basal dose and also 13 kg TSP, 20 kg MOP, 15kg gypsum and 15 kg zinc per bigha after complete preparation of field.
- Seedling of 35 to 45 days old may be transplanted.
- Maintain thin layer of water (1 2 cm) in the main field up to 15 days after transplanting.
- Dead hills are to be replanted within 7-10 days of transplanting of Boro paddy.
- Maintain 5-7 cm land water level.
- Apply irrigation.

Vegetable

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Horticultural

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- Apply Irrigation.

Mustard

- Stage: Vegetative
- Farmers are advised to do intercultural operations after 15-20 days of sowing for conserving the moisture and removing weeds in the mustard crop.
- Apply light irrigation.

Livestock

- Give Vaccination based on age and physical condition of cattle.
- Give dewormer if livestock are not given dewormed.

Poultry

• High power bulbs (100 watts or more) in the poultry shed for 1-2 hours after dusk will increase egg production and diseases will reduce.

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Rangamati Region (Districts: Rangamati, Khagrachari and Bandarban)

Rice Boro

- Stage: Seedbed
- It is advised to prepare the seedbed in high land and also make arrangements for draining out of water and also advised for community based seedbed preparation.
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal. Apply 400 gm gypsum per decimal if the seedlings are still not recovered after application of urea.

Vegetable

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Horticultural

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- Apply Irrigation.

Livestock

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Poultry

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Barishal Region (Districts: Jhalakati, Patuakhali, Pirujpur, Barguna, Barishal, Bhola)

Wheat

Stage: Sowing

• Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Boro

- Stage: Seedbed
- It is advised to prepare the seedbed in high land and also make arrangements for draining out of water and also advised for community based seedbed preparation.
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal. Apply 400 gm gypsum per decimal if the seedlings are still not recovered after application of urea.
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Vegetable

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Horticultural

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Livestock

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Jashore Region (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Aman

- **Stage**: Maturity to Harvesting
- Drain out the water from the land 15 days before harvest.

Vegetable

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Horticultural

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- Apply Irrigation.

Mustard

- Stage: Vegetative
- Farmers are advised to do intercultural operations after 15-20 days of sowing for conserving the moisture and removing weeds in the mustard crop.
- Apply light irrigation.

Livestock

- Give Vaccination based on age and physical condition of cattle.
- Give dewormer if livestock are not given dewormed.

Poultry

• High power bulbs (100 watts or more) in the poultry shed for 1-2 hours after dusk will increase egg production and diseases will reduce.

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Faridpur Region (Districts: Faridpur, Rajbari, Madaripur, Shariatpur and Gopalganj)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Boro

- Stage: Transplanting
- The main field should be prepared for transplanting of boro paddy with 3-4 times ploughing followed by laddering and Leveling should be done properly to retain water uniformity.
- Apply 13 kg urea (1/3 of total urea) as first basal dose and also 13 kg TSP, 20 kg MOP, 15kg gypsum and 15 kg zinc per bigha after complete preparation of field.
- Maintain thin layer of water (1 2 cm) in the main field up to 15 days after transplanting.
- Dead hills are to be replanted within 7-10 days of transplanting of Boro paddy
- Seedling of 35 to 45 days old may be transplanted.
- Maintain 5-7 cm land water level.
- Apply irrigation.

Vegetable

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Mustard

- Stage: Flowering
- Advice for weedings in mustard fields.

Livestock

- Give Vaccination based on age and physical condition of cattle.
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Poultry

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Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon and Natore)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Vegetable

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Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat)

Wheat

- Stage: Germination
- Besides during day time when the soil is in moist condition, it is advised to apply 300-400 gm Urea per decimal to the 17-21 old crop.
- Do not allow standing water in the field as this will turn the green leaf to yellow in colour and also may damage the seedlings.
- Apply light irrigation.

Rice Boro

- Stage: Seedbed
- Construct drain in between two seedbeds. This will be used for draining out extra water and irrigation as well.
- It is better to maintain water level 2-3 cm in seed bed so that it can control the weeds and seed damages due to birds.

Vegetable

- Eggplant may be attacked by tip and fruit borer under prevailing weather conditions. For control, 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.
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Horticultural

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Livestock

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Dinajpur Region (Districts: Dinajpur, Thakurgaon and Panchaghar)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Boro

- Stage: Seedbed
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Horticultural

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Bogura Region (Districts: Bogura, Joypurhat, Pabna, Sirajganj)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Aman

- **Stage**: Maturity to Harvesting
- Drain out the water from the land 15 days before harvest.

Vegetable

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Horticultural

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Mustard

Livestock

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Poultry

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Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj)

Wheat

- Stage: Sowing
- Farmers are advised to sow the recommended varieties crop as present climatic conditions in respect of temperature favours ideal germination of seeds. A delay in sowing to avail the maximum advantage of cool weather leads to poor crop stands.

Rice Aman

- **Stage**: Maturity to Harvesting
- Drain out the water from the land 15 days before harvest.

Rice Boro

- **Stage**: Transplanting
- Maintain thin layer of water (1 2 cm) in the main field up to 15 days after transplanting.
- Dead hills are to be replanted within 7-10 days of transplanting of Boro paddy
- Apply 13 kg urea (1/3 of total urea) as first basal dose and also 13 kg TSP, 20 kg MOP, 15kg gypsum and 15 kg zinc per bigha after complete preparation of field.
- Seedling of 35 to 45 days old may be transplanted.
- Maintain 5-7 cm land water level.
- Apply irrigation.

Vegetable

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Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 16 November 2022) and maximum temperature on 15 November and minimum temperature on 16 November 2022 is given below:

Name of	Name of	Rain	Max.	Min.	Name of	Name of	Rain	Max.	Min.
Divisions	Stations	fall	Temp	Temp	Divisions	Stations	fall	Temp	Temp
		(mm)	(°C)	(°C)			(mm)	(°C)	(°C)
Dhaka	Dhaka	00	30.4	20.2	Chattogram	Chattogram	00	31.0	19.9
	Tangail	00	30.5	18.0		Sandwip	00	31.6	17.5
	Faridpur	00	30.5	18.5		Sitakunda	00	31.3	17.2
	Madaripur	00	29.2	18.1		Rangamati	00	30.8	17.0
	Gopalgonj	00	29.3	18.2		Cumilla	00	30.7	17.6
	Nikli	00	29.2	17.5		Chandpur	00	30.7	20.0
						M.Court	00	29.4	19.8
Rajshahi	Rajshahi	00	30.2	14.8		Feni	00	31.5	17.2
	Ishurdi	00	30.0	15.8		Hatiya	00	30.0	18.2
	Bogura	00	30.6	17.6		Cox's Bazar	00	32.5	21.0
	Badalgachhi	00	29.8	14.5		Kutubdia	00	31.8	19.5
	Tarash	00	30.7	16.3		Teknaf	00	32.0	19.5
Rangpur	Rangpur	00	30.0	17.0	Khulna	Khulna	00	30.5	18.0
	Dinajpur	00	30.0	14.7		Mongla	00	30.0	19.2
	Sayedpur	00	31.0	15.5		Satkhira	00	29.8	17.5
	Tetulia	00	29.6	13.3		Jashore	00	30.4	15.4
	Dimla	00	30.0	15.0		Chuadanga	00	29.6	15.4
	Rajarhat	00	28.5	15.0		Kumarkhali	00	29.8	17.0
Mymensingh	Mymensingh	00	30.0	18.5	Barishal	Barishal	00	30.4	17.0
	Netrokona	00	29.6	18.4		Patuakhali	00	30.2	18.6
						Khepupara	00	30.0	18.2
Sylhet	Sylhet	00	30.5	18.6		Bhola	00	30.4	18.0
	Srimangal	00	31.0	15.7					

Highlights:

- Country average bright sunshine hour was 7.89 hours per day during last week.
- Country average free water loss during the previous week was 3.15 mm per day.

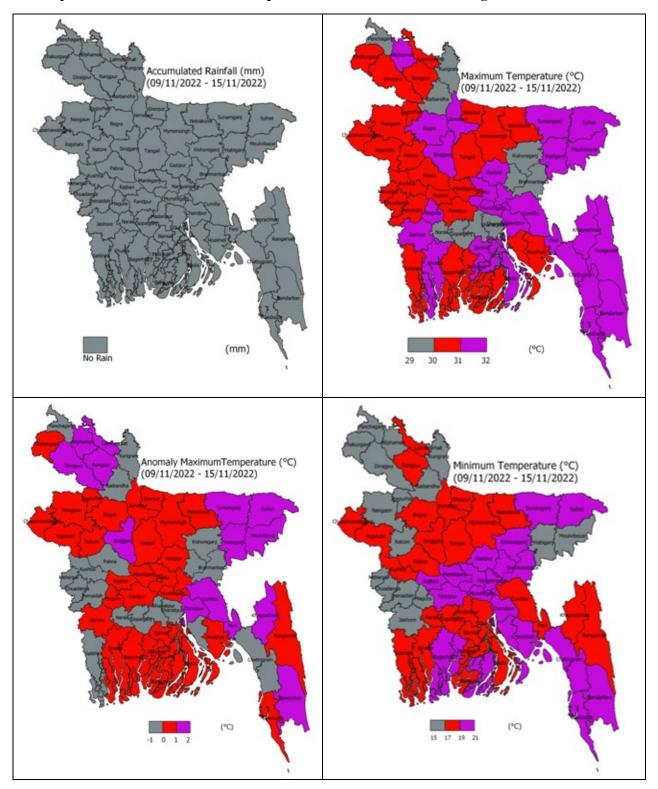
Weather Forecast Valid for 24 Hours commencing 06 PM Today:

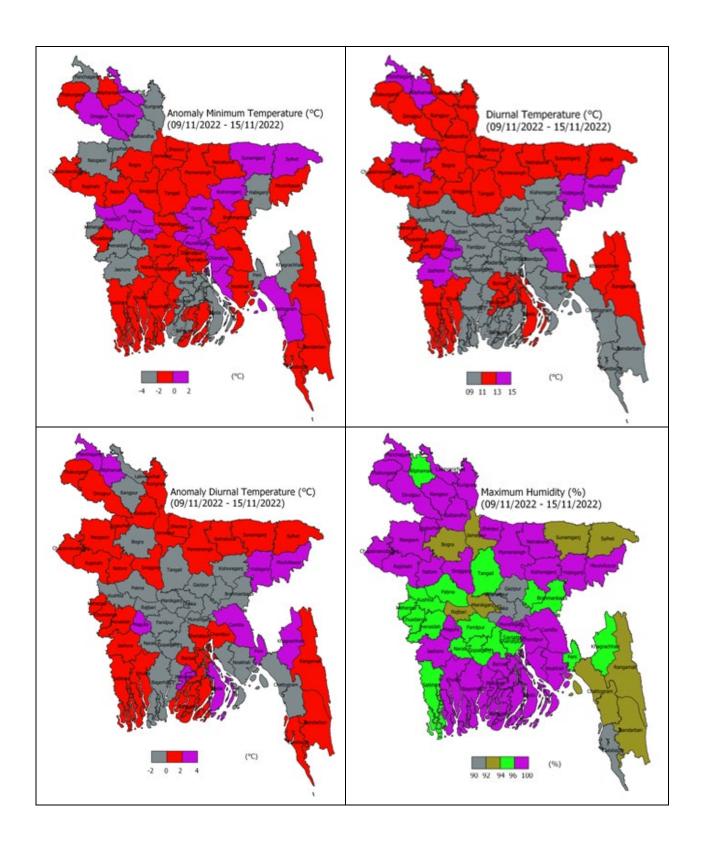
Forecast: Weather may remain dry with temporary partly cloudy sky over the country.

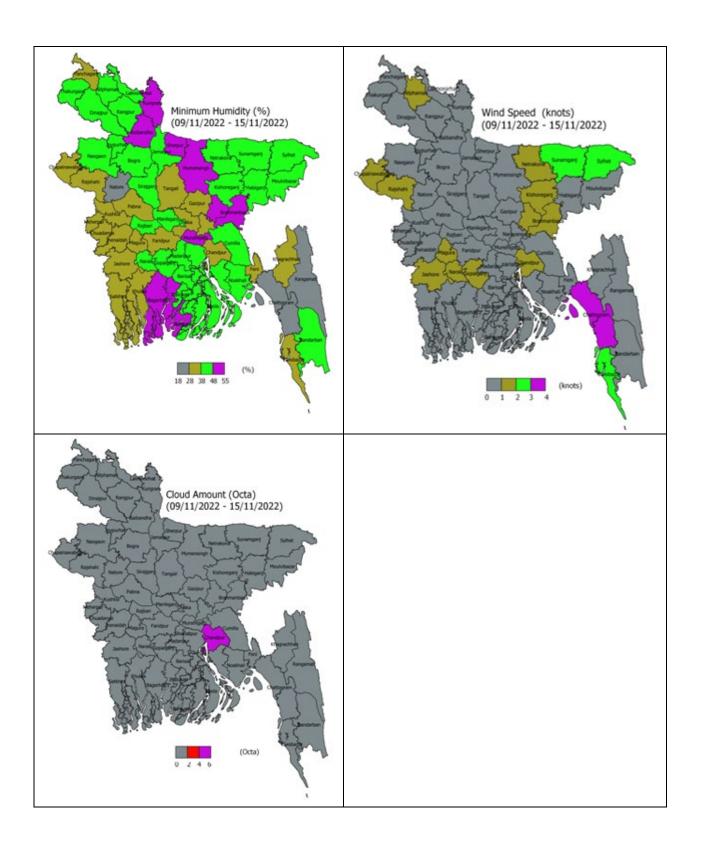
Fog: Light fog may occur at places over the country during early morning.

Temperature: Night and day temperature may remain nearly unchanged over the country.

Spatial Distribution of weather parameters for the Week ending 15 November 2022





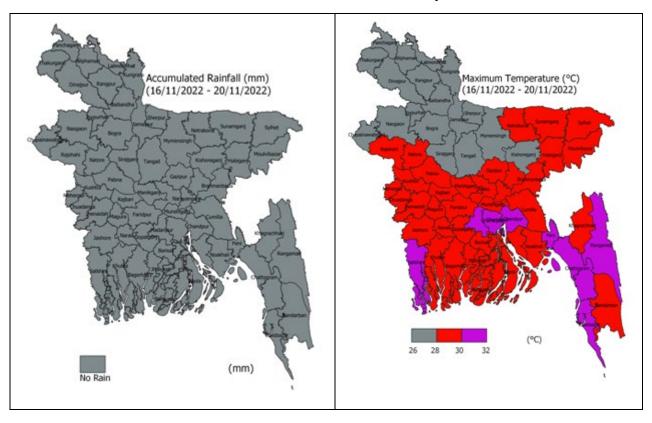


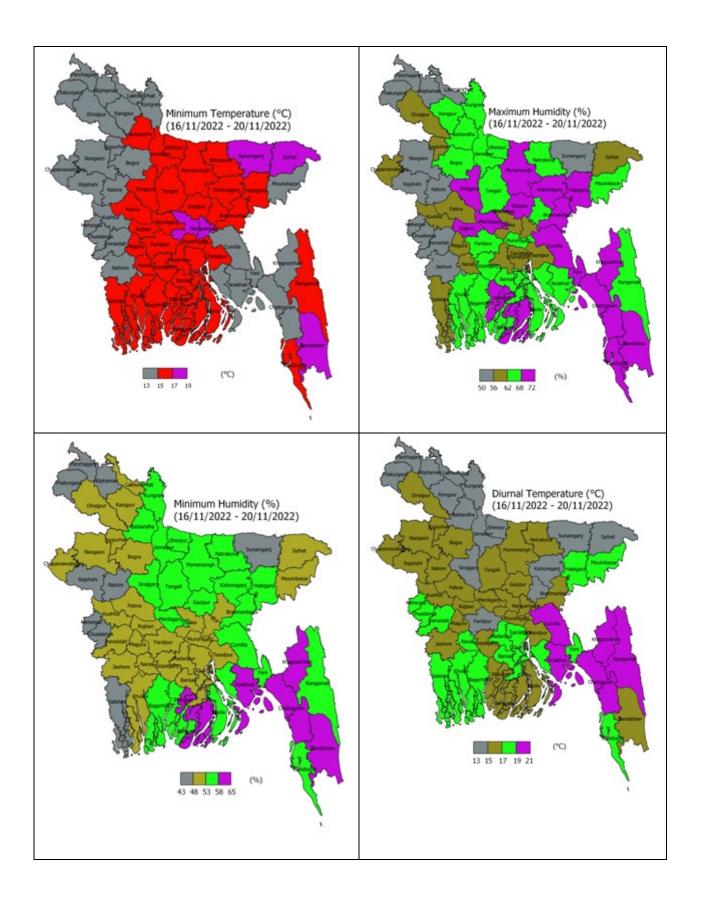
Weather Forecast and Advisory for the Period of 15.11.2022 to 21.11.2022

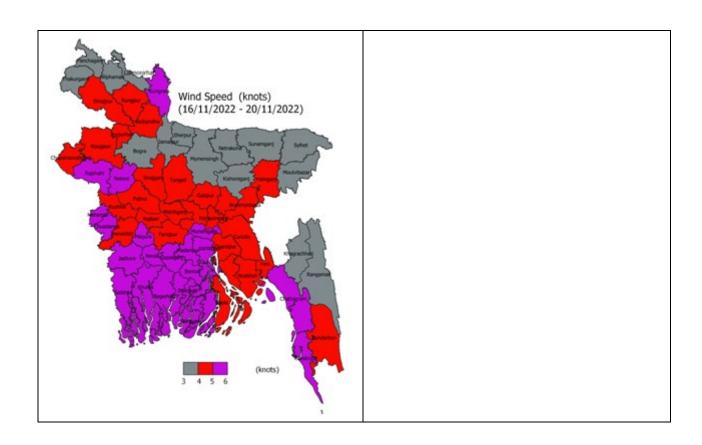
Bright sunshine hour is likely to be from 6.00 to 8.00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Weather may remain dry with temporary partly cloudy sky over the country during this
- period.
- Light fog may occur at places over the country during early morning of this period.
- Day & night temperature may fall slightly during this period.

District Wise Quantitative Weather Forecast for next Five days from 16 Nov.- 20 Nov. 2022

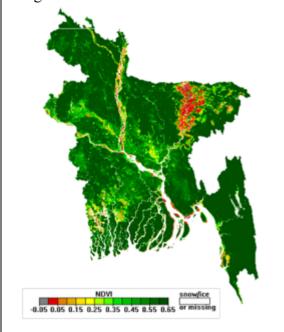




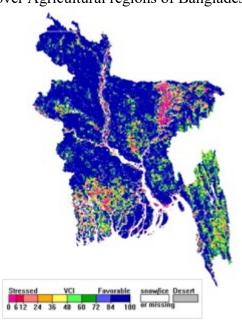


Different Satellite Products over Bangladesh

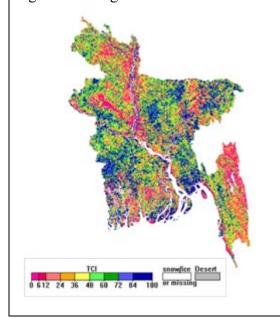
NOAA/VIIRS BLENDED NDVI composite for the week. No. 45 (05 November-11 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 45 (05 November-11 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 45 (05 November -11 November) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 45 (05 November-11 November) over Agricultural regions of Bangladesh

