

AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 02nd February to 06th February '2019

AGROCLIMATIC REGIONS OF WEST BENGAL

-  HIMALAYAN HILLY REGION
-  TERAI AND TEESTA ALLUVIUM
-  GANGETIC ALLUVIUM
-  VINDHYA ALLUVIUM
-  RED LATERITIC
-  COASTAL SALINE



Issued on
Friday, 01st February '2019

ISSUED BY

Regional Meteorological Centre, Alipore, Kolkata-27 in collaboration with State Agricultural Universities and state Agricultural Department.

Agroclimatic zones of the state

Sl. No.	Agroclimatic Zone	Districts	Agromet Field Unit (AMFU) Location
1	Northern Hill Zone	Darjeeling	Kalimpong
2	Terai-Teesta Alluvial Zone	Jalpaiguri, Alipurduar, Coochbehar and Uttar Dinajpur.	Pundibari
3	Gangetic Alluvial Zone	Murshidabad, Nadia, North 24 Parganas, Howrah, Hooghly and Burdwan	Kalyani
4	Vindhyan Alluvial Zone	Dakhin Dinajpur, Malda	Majhian
5	Costal Saline Zone	South 24 Parganas and Purba Midnapore	Kakdeep
6	Undulating Red and Laterite Zone	Purulia, Bankura, Paschim Midnapore, Jhargram and Birbhum	Kharagpur

Met sub-divisions of the state

For Meteorological purposes, the state has been divided into two sub-divisions (IMD Classification):

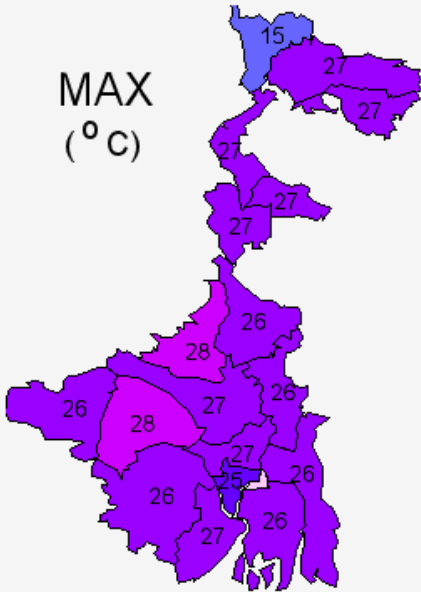
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata, Burdwan.

Sub-Himalayan West Bengal consists of Darjeeling, Coochbehar, Alipurduar, Jalpaiguri, Dakshin Dinajpur, Uttar Dinajpur.

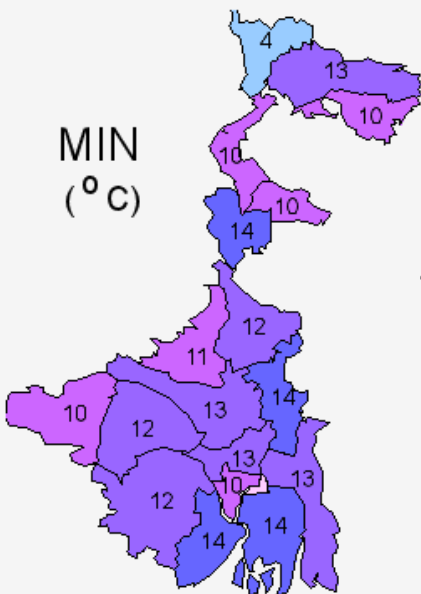
DAY 1 FORECAST

Valid up to : Saturday 02nd February 2019, 0830 hrs IST

MAX
(°C)

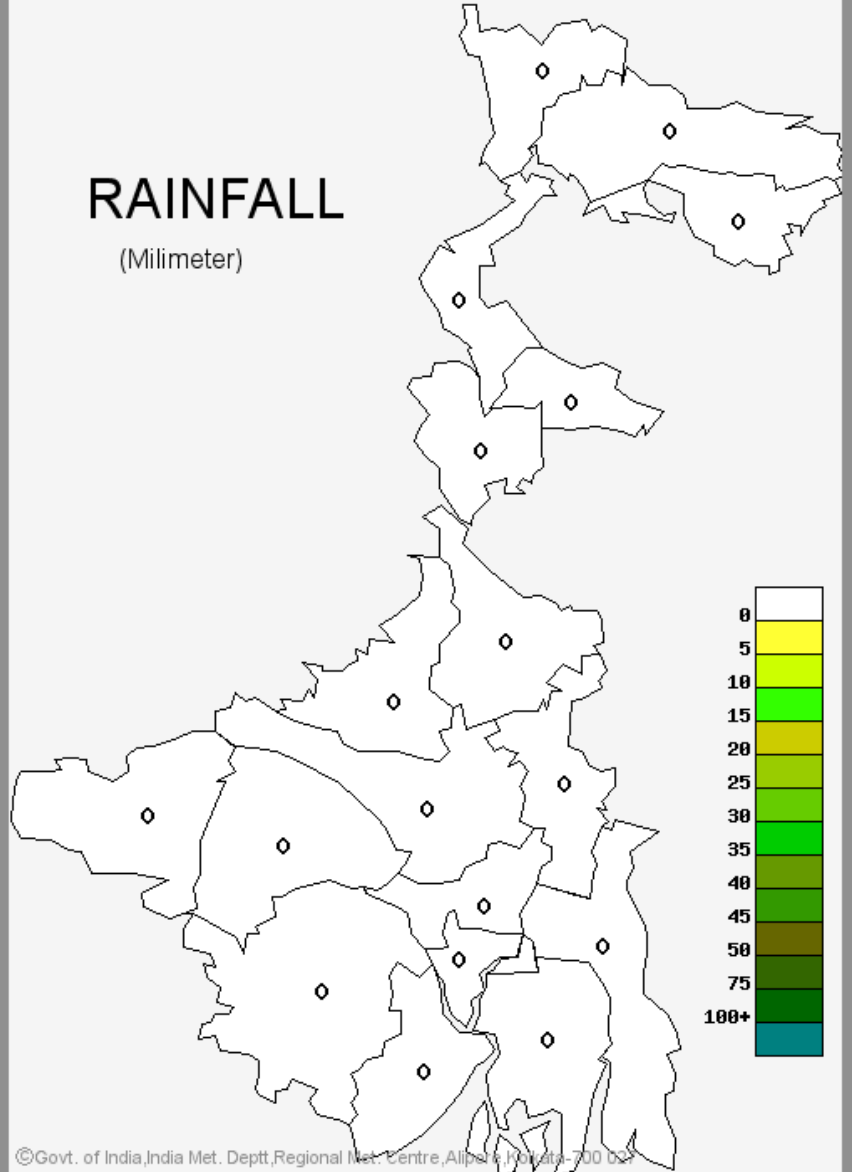


MIN
(°C)



RAINFALL

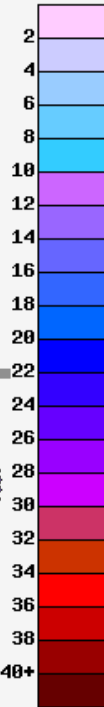
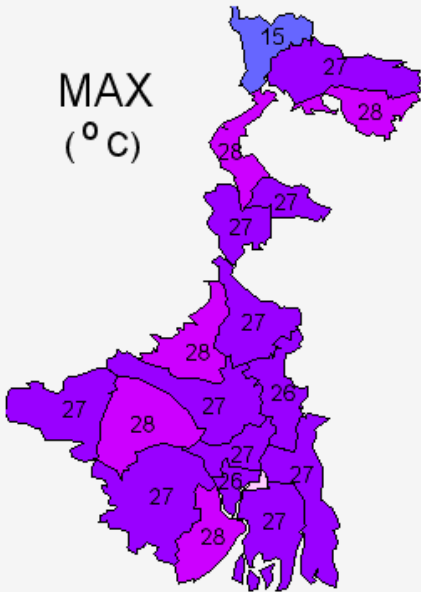
(Millimeter)



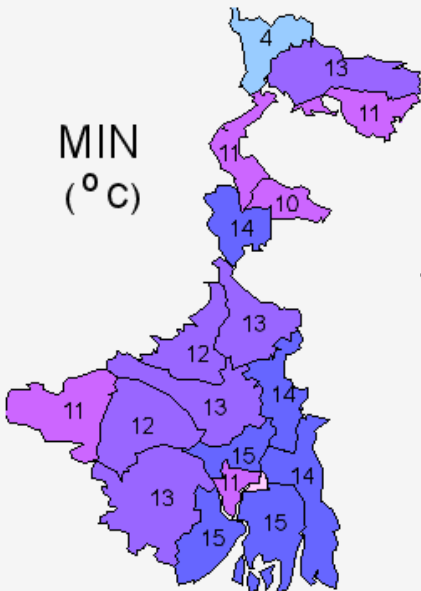
DAY 2 FORECAST

Valid up to :Sunday 03rd February 2019,0830 hrs IST

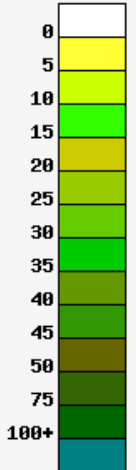
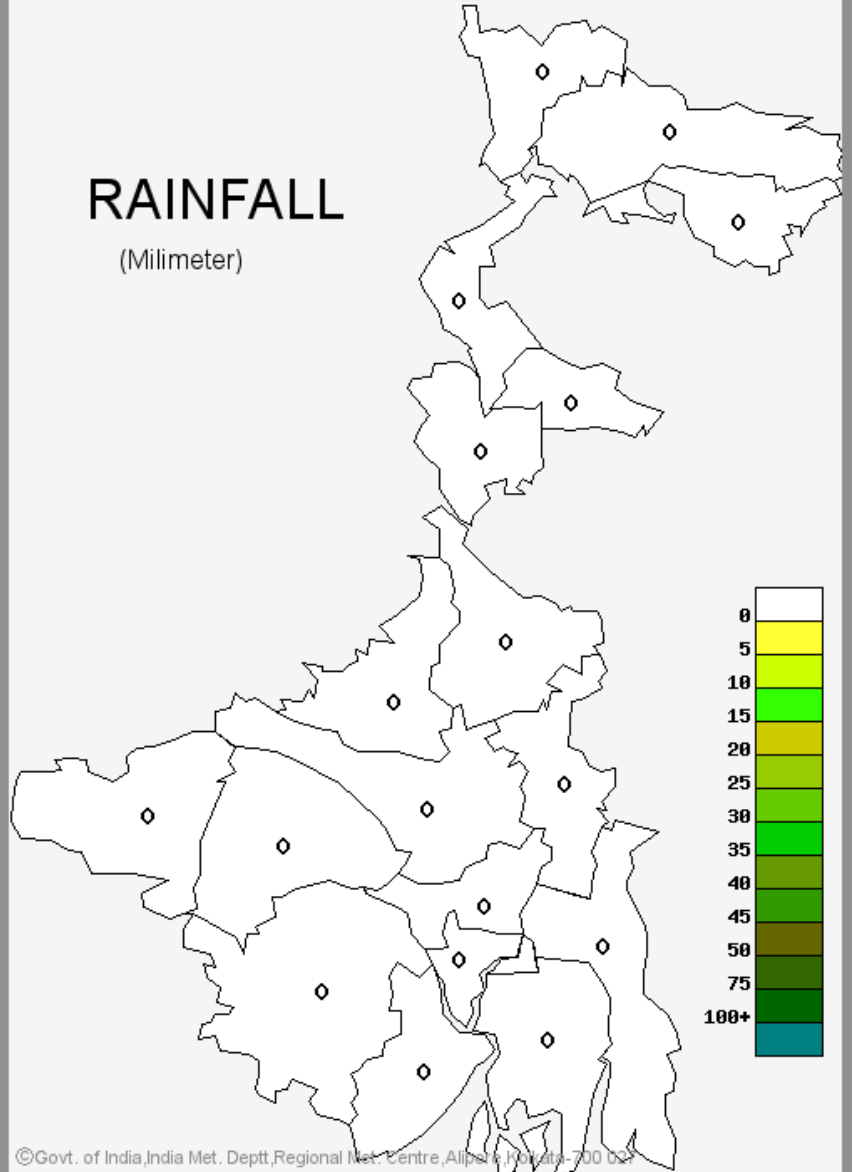
MAX
(°C)



MIN
(°C)



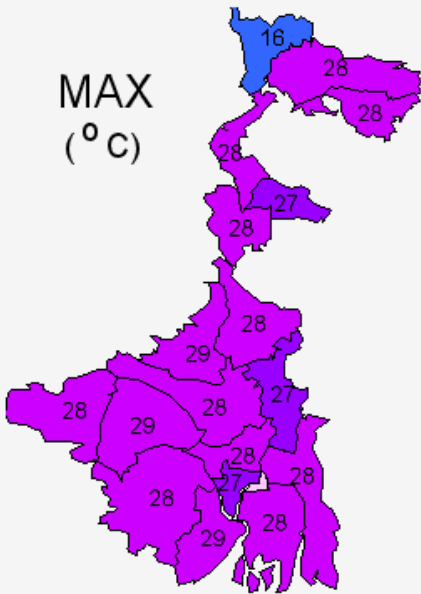
RAINFALL
(Milimeter)



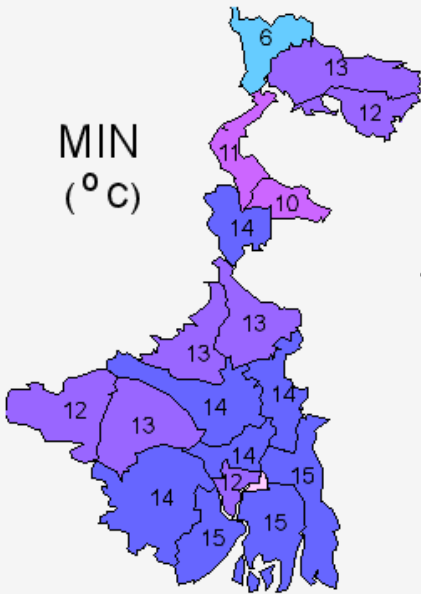
DAY 3 FORECAST

Valid up to :Monday 04th February 2019,0830 hrs IST

MAX
(°C)

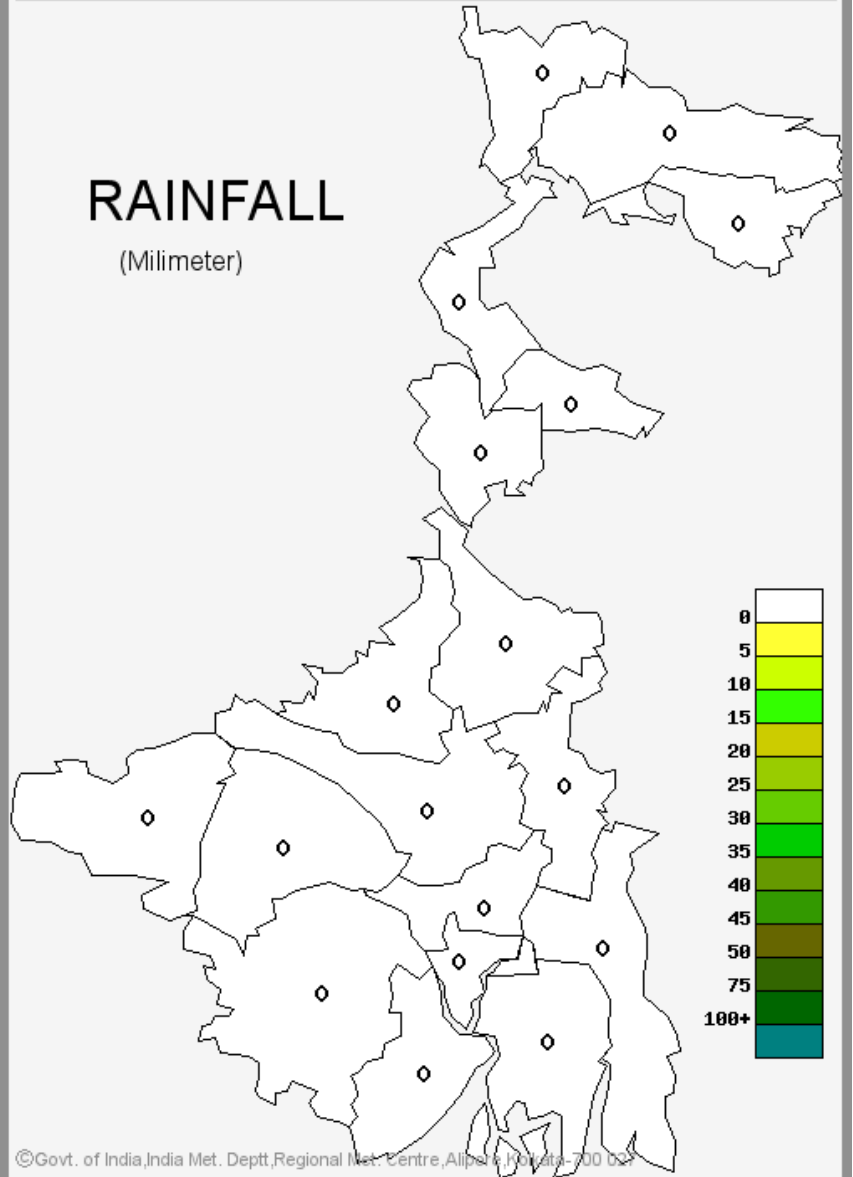


MIN
(°C)



RAINFALL

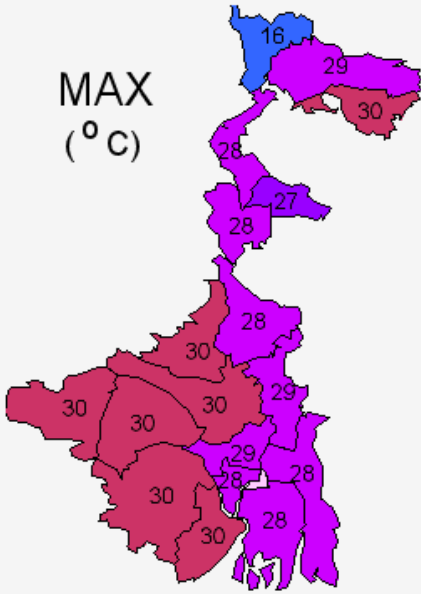
(Milimeter)



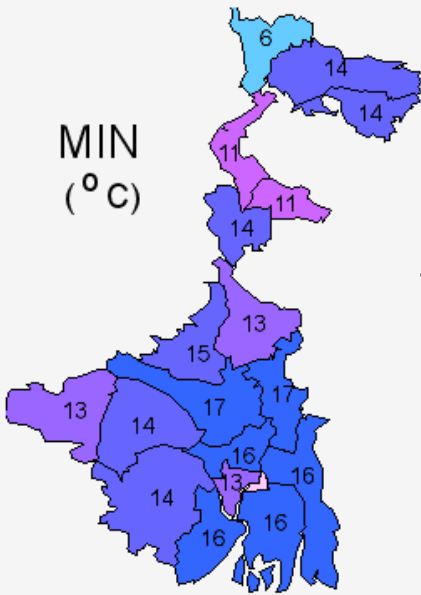
DAY 4 FORECAST

Valid up to :Tuesday 05th February 2019,0830 hrs IST

MAX
(°C)

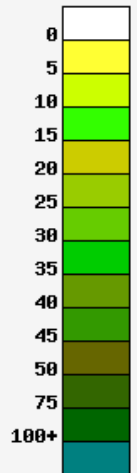
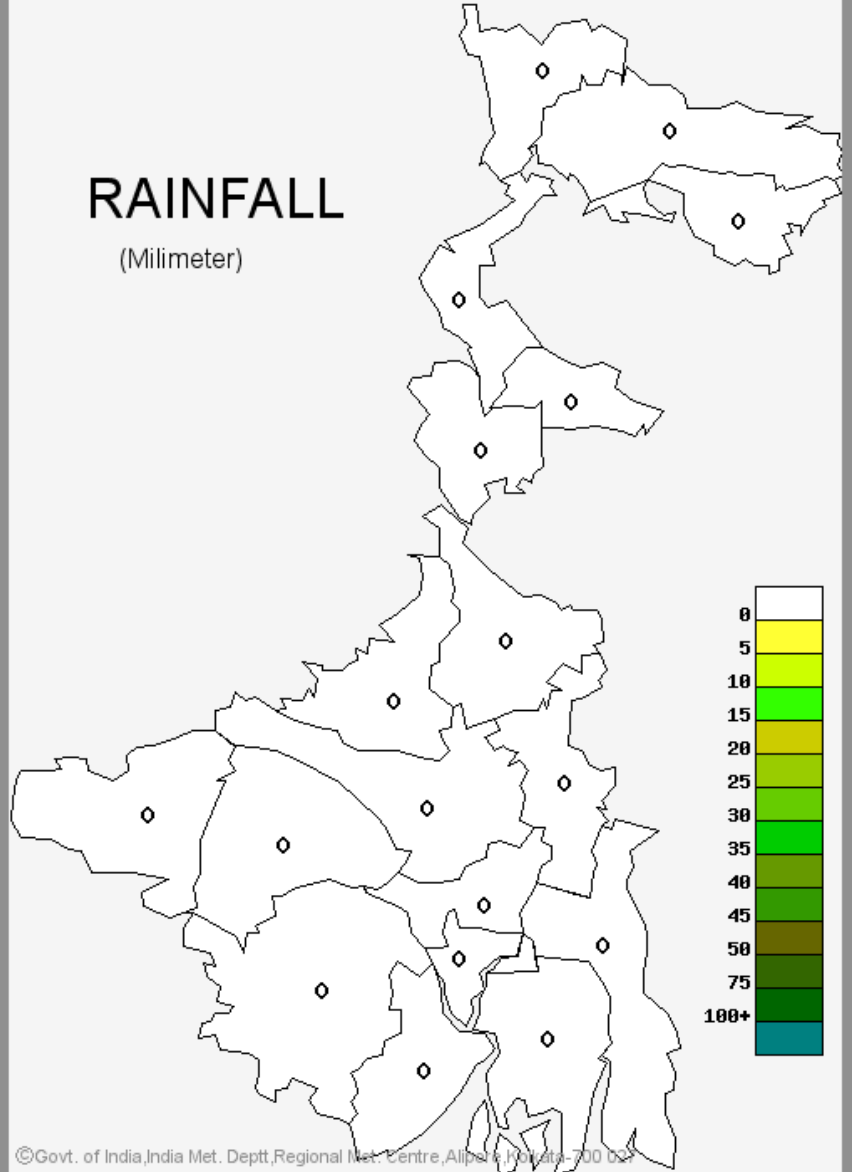


MIN
(°C)



RAINFALL

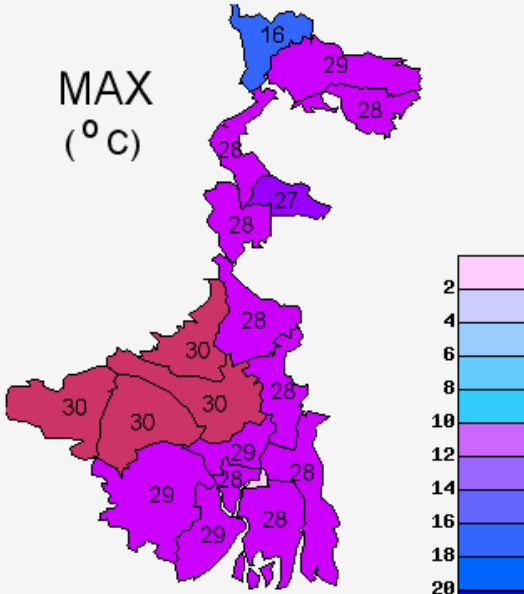
(Milimeter)



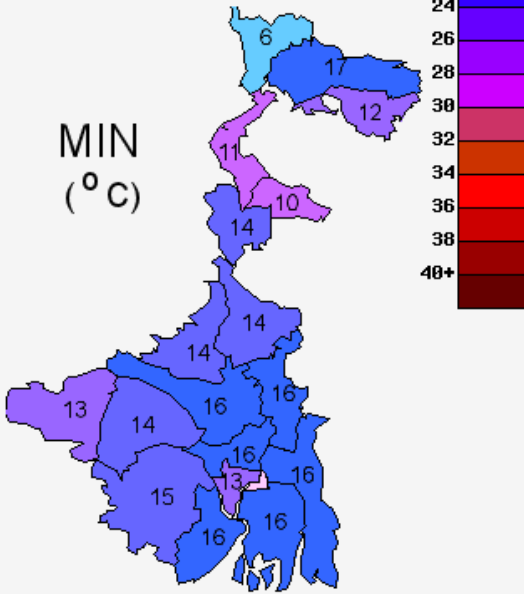
DAY 5 FORECAST

Valid up to :Wednesday 06th February 2019,0830 hrs IST

MAX
(°C)

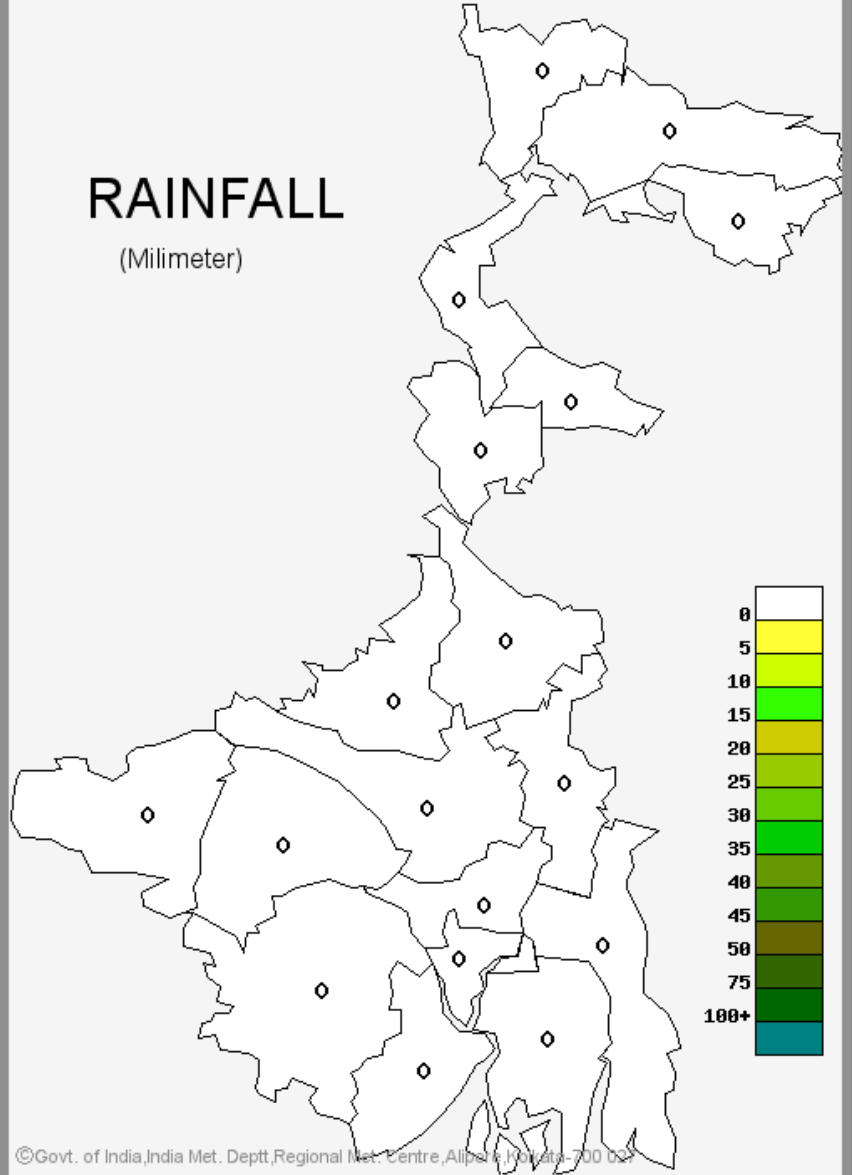


MIN
(°C)



RAINFALL

(Milimeter)



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Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 29/01/19 to 31/01/19

District level Weather Forecast for different agroclimatic zones for the period 02/02/19 to 06/02/19

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	9-17	2-8	55-95
Wednesday	0.0			
Thursday	0.0			

DARJEELING

Rainfall	Possibilities of no rainfall have been forecasted for coming five days. In coming five days total rainfall of 0.0 mm is expected.
Cloud Cover	Possibilities of partly clear sky on 2 nd , 6 th February and rest of the day's clear sky are expected.
Max. Temp.	Maximum temperature is expected to be around 15.0 to 16.0°C.
Min. Temp.	Minimum temperature is expected to be around 4.0 to 6.0°C.
Max. RH	Maximum relative humidity is expected to be around 45 - 49 %.
Min. RH	Minimum relative humidity is expected to be around 23 - 25 %.
Wind	Wind mainly will blow from easterly on 3 rd February and rest of the days wind mainly will blow from south-easterly direction. In coming five days wind mainly will blow with a speed of 7.3 - 8.2 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.8	24-27	8-11	60-85
Wednesday	0.0			
Thursday	0.0			

COOCHBEHAR

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JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.6	25-28	7-12	40-95
Wednesday	0.0			
Thursday	0.0			

JALPAIGURI

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NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-27	9-10	70-85
Wednesday	0.0			
Thursday	0.0			

NORTH DINAJPUR

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Gangetic Alluvial Zone

BURDWAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-26	10-15	75-85
Wednesday	0.0			
Thursday	0.0			

BURDWAN

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N,SW direction with 5.7-11.5 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 45-51% and minimum relative humidity is expected to be around 17% - 23%.

Maximum temperature is expected to be around 28°C-30°C and minimum temperature is expected to be around 14°C - 15°C .

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-25	12-17	25-70
Wednesday	0.0			
Thursday	0.0			

MURSHIDABAD

Clear sky is expected during next 5 days .

No rainfall to little rainfall is expected during rest 5 days.

Wind flow mainly from N direction with 5.9- 11.5 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 51-56% and minimum relative humidity is expected to be around 21% - 26%.

Maximum temperature is expected to be around 27°C-29°C and minimum temperature is expected to be around 13 °C - 14°C .

NADIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-24	13-14	35-85
Wednesday	0.0			
Thursday	0.0			

NADIA

Clear sky is expected during next 5 days.

No rainfall to partly cloudy sky is expected during next 5 days.

Wind flow mainly from N, SE direction with 5.7 - 11.5 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 45% - 52% and minimum relative humidity is expected to be around 20% - 24%.

Maximum temperature is expected to be around 27°C-29°C and minimum temperature is expected to be around 14°C - 15°C.

HOOGHLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-26	9-15	35-80
Wednesday	0.0			
Thursday	0.0			

HOOGHLY

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N, E direction with 5.3- 10 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 28-30% and minimum relative humidity is expected to be around 19% - 24%.

Maximum temperature is expected to be around 28°C-30°C and minimum temperature is expected to be around 14 °C-15 °C.

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-29	9-12	55-90
Wednesday	0.0			
Thursday	0.0			

HOWRAH

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N,NE direction with 6.3- 10 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 38-45% and minimum relative humidity is expected to be around 18% - 24%.

Maximum temperature is expected to be around 28°C-30°C and minimum temperature is expected to be around 14°C-15°C .

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-26	12-17	35-75
Wednesday	0.0			
Thursday	0.0			

NORTH 24 PGS

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N, NW, SW & E direction with 7.1 – 12.5 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 40-47% and minimum relative humidity is expected to be around 18% - 24%.

Maximum temperature is expected to be around 27°C-30°C and minimum temperature is expected to be around 15°C-16 °C .

Vindhyan Alluvial Zone

DAKSHIN DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-26	9-9	40-75
Wednesday	0.0			
Thursday	0.0			

DAKSHIN DINAJPUR

- Possibility of mainly clear on 2nd February, 5th & 6th February and clear sky on 3rd & 4th February.
- There seems to be possibility of no rainfall on 2nd February to 6th February.
- Wind from Westerly, North-westerly direction with an average speed of 6.7-9.7 Km/hr. is expected.
- Maximum temperature is expected to be around 27.0⁰C and minimum temperature is expected to be 10.0-11.0⁰C.
- Maximum and minimum relative humidity is expected to be 47-56% and 20-30% respectively.
-

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-27	12-13	40-80
Wednesday	0.0			
Thursday	0.0			

MALDA

- Possibility of mainly clear on 2nd February, 5th & 6th February and clear sky on 3rd & 4th February.
- There seems to be possibility of no rainfall on 2nd February to 6th February.
- Wind from North-westerly direction with an average speed of 7.2-11.0 Km/hr. is expected.
- Maximum temperature is expected to be around 27.0-28.0⁰C and minimum temperature is expected to be 14.0⁰C.
- Maximum and minimum relative humidity is expected to be 48-58% and 21-28% respectively.
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Coastal Saline Zone**PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	21-26	10-17	35-95
Wednesday	0.0			
Thursday	0.0			

PURBA MIDNAPUR

- No rain fall is predicted in next five days.
- Sky will be clear in next five days.
- Wind speed will be 7.3-10.3 km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 28.0⁰C -30.0⁰C and minimum temperature is likely to be around 14.0⁰C-15.0⁰C.
- Maximum and minimum relative humidity will be in the range of 38% -49% and 20% -25%.
-

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-27	9-17	25-85
Wednesday	0.0			
Thursday	0.0			

SOUTH 24-PGS

- No rain fall is predicted in next five days.
- Sky will be clear in next five days.
- Wind speed will be 7.1-12.5 km/sec. and the predominant wind direction will be Northerly.
- Maximum temperature is expected to be around 27.0⁰C -30.0⁰C and minimum temperature is likely to be around 15.0⁰C-16.0⁰C.
- Maximum and minimum relative humidity will be in the range of 41% -47% and 18% -24%.

Undulating Red and Laterite Zone

PASCHIM MIDNAPORE

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-26	11-15	35-65
Wednesday	0.0			
Thursday	0.0			

PASCHIM MIDNAPORE

No rainfall for the coming five days and partially clear sky will be present for the same.

- Predominant wind direction will be Northeasterly. Wind with a speed of 6.2-9.3 km per hour will blow for coming five days.
- Relative humidity maximum will be 38-44 % and minimum will be 19-22%
- Maximum temperature will be 26-30°C and minimum will be 12-15°C.

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-25	9-13	27-75
Wednesday	0.0			
Thursday	0.0			

BANKURA

No rainfall for the coming five days and partially clear sky will be present for the same.

- Predominant wind direction will be Northeasterly. Wind with a speed of 5.8-10.4 km per hour will blow for coming five days.
- Relative humidity maximum will be 43-49% and minimum will be 16-22%
- Maximum temperature will be 28-30°C and minimum will be 12-14°C.

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-24	7-11	25-70
Wednesday	0.0			
Thursday	0.0			

PURULIA

No rainfall for the coming five days and partially clear sky will be present for the same.

- Predominant wind direction will be Northeasterly. Wind with a speed of 5.9-10.2 km per hour will blow for coming five days.
- Relative humidity maximum will be 42-52 % and minimum will be 15-22%
- Maximum temperature will be 26-30°C and minimum will be 10-13°C.

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	25-25	7-17	35-70
Wednesday	0.0			
Thursday	0.0			

BIRBHUM

No rainfall for the coming five days and partially clear sky will be present for the same.

- Predominant wind direction will be Northeasterly. Wind with a speed of 6.7-11.2 km per hour will blow for coming five days.
- Relative humidity maximum will be 50-54 % and minimum will be 18-25%
- Maximum temperature will be 28-30°C and minimum will be 11-14°C.

Andaman & Nicobar Islands

ANDAMAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-31	15-24	50-95
Wednesday	0.0			
Thursday	0.0			

NORTH MIDDLE ANDAMAN

Partly cloudy weather is likely to occur during next five days. In North and Middle Andaman 1 mm of rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 31.0 to 32.0 °C with minimum temperature of 22.0 to 23 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 73 to 79 % and 66 to 71 % respectively in North and Middle Andaman. Wind speed of 16.1 to 19.3 km/h is expected from North Easterly direction.

SOUTH ANDAMAN.

- Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In South Andaman 14 mm of rainfall is expected during this period. The maximum temperature in South Andaman will be 31.0 to 32.0 °C with minimum temperature of 23 to 24 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 75 to 81 %, and 67 to 74 % respectively in South Andaman. Wind speed of 17.5 to 20.0 km/h is expected from North Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	26-32	23-24	35-90
Wednesday	0.0			
Thursday	0.0			

NICOBAR

Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In Nicobar Islands 49.0 mm of rainfall is expected during this period. The maximum temperature will be 30 to 31.0 °C with minimum temperature of 27 to 28 °C, whereas the maximum and minimum relative humidity is expected to be 82 to 85 %, and 77 to 79 %, respectively in Nicobar Islands. Wind speed of 16.3 to 21.2 km/h is expected from North Easterly direction.



Part II: Agroclimatic zonewise Agricultural/Agro meteorological Advisories

West Bengal

Northern Hill Zone

MAJOR CROPS	STAGE	PEST & DISEASES	ADVISORY
General	-	-	In coming five days no rainfall has been forecasted so, irrigate the crops as per the requirement.
Large cardamom	Vegetative Stage	-	Weeding along with cleaning of dry shoot and dry leaves then mulching followed by light irrigation as

			no rainfall has been forecasted for coming five days.
Mandarin Orange	Vegetative stage	-	Pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water. Irrigate the orchard as per the requirement as no rainfall has been forecasted for coming five days. Manuring of the plants should be done @ 40 kg FYM/ plant and mulching also provided.
Cole Crop (Cauliflower, Cabbage, etc)	Harvesting stage	-	Mature crop should be harvested.
Potato	Tuberization Stage	-	After weeding, light irrigation may be given as no rainfall has been forecasted for coming five days.
Garden Pea	Flowering and Pod maturity stage	-	Weeding should be done and mature pods should be harvested.
Mustard	Flowering and Siliqua formation stage	-	Light irrigation may be given for better siliqua setting as no rainfall has been forecasted for coming five days.
Animal Husbandry (Poultry)	-	-	For broiler farming keep the brooding temperature at 95° Fahrenheit and reduce temperature by 5° Fahrenheit weekly. For broiler farming keep the room temperature at 70-85 ° Fahrenheit.
General	-	-	In coming five days no rainfall has been forecasted so, irrigate the crops as per the requirement.
Large cardamom	Vegetative Stage	-	Weeding along with cleaning of dry shoot and dry leaves then mulching followed by light irrigation as no rainfall has been forecasted for coming five days.
Mandarin Orange	Vegetative stage	-	Pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water. Irrigate the orchard as per the requirement as no rainfall has been forecasted for coming five days. Manuring of the plants should be done @ 40 kg FYM/ plant and mulching also provided.

Terai-Teesta Alluvial Zone

Advisory

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory

ANIMAL HUSBANDRY & FISHERY

Name of Animal	Disease	Control measures

Gangetic Alluvial Zone

Crop	Stage	Advisory
Boro	Seedling	Start nursery management of Boro rice. Apply water to the nursery at evening and drain out at morning as night temperature is low. Spray Tricyclozole @ 0.5g/litre of water and after one day spray Cheleted Zinc @ 1g/litre of water if seedlings turn to reddish in colour.
Mustard	Flowerin g/Pod	Be careful for aphid infestation. Immediately spray Imidachloprid (Confidor) @ 3ml/10 litre of water. Intercultural operations like weeding and rouging should be

	formation stage	done. If required, light irrigation may be given as there is no rainfall forecast.
Gram and Pea	Flowering/Pod formation stage	Intercultural operations like light spading and weeding should be done. In case of collar rot, drenching the soil with a combination of Chlorothalonil (2g) + Carbendazim (1 g)/litre of water.
Lentil	Vegetative/Flowering stage	As temperature is lowering spray Carbendazim 50% @ 1g/litre of water as protective measure. Intercultural operations mainly weeding should be done.
Cabbage, Cauliflower, Broccoli, Tomato, Chilli, French Bean, Pointed Gourd, Cucumber, Brinjal	Fruit Setting/ Vegetative	For pointed gourd after sprouting/germination of vine/root cuttings, hand weeding followed by mulching with paddy straw should be done. If downy mildew appears in the leaf, alternate spraying with Cymoxanil-Mancozeb (Curzate) (2.5 g/lt) and Fosetyl Al (Alliet) (2.5g/lt) at 10 days interval is very effective. For the management of fruit and shoot borer one application of Coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Carbofuron 3G @4.5kg /Bigha followed by a light irrigation or Nimitz 480 EC@ 4-8 lit/ha could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit. or Thiomithoxam 0.3 SG 1g/3lit. of water. Plants with small sized leaves and bunchy appearance plants to be uprooted and sprayed with Imidachlorpid @0.5ml/lit of Water. For control of bacterial wilt in solanaceous vegetable stop irrigation immediately, uproot the plant carefully and apply bleaching powder or fresh cow dung mixture around the infected plant to control the spreading of disease in the field. For management of fruit borer in the tomato apply Indoxacarb 1ml/lit. of water insecticide mixture at 7 days interval thrice.
Potato	Vegetative / Tuber Initiation	Present weather is not congenial for disease and pest infestation. Those who have sown crop in late winter, be aware of aphid and blight infestation. For pest control apply Imidachlorpid @ 3ml/ 10 litres of water. If required then repeat the application of Imidachlorpid after 10 days. To control blight apply Mancozeb 2.5 g / lt. of water. If infestation is more, apply cymoxanil-mancozeb (Curzate) (2.5 g/lt) or Dimethomorph (1 g) + Mancozeb (2g)/lt. (Moxymate) of water at 10 days interval.
Rabi Onion & Garlic	Vegetative	Intercultural operations like light spading and weeding should be done. Propiconazole (Tilt) @ 1ml/litre with a sticker 4-5 times (at 7 days interval) starting from 15 days after transplanting to check purple blotch disease
Flowers like Marigold, Chrysanthemum & Gladiolus	Flowering	Intercultural operations like light spading and weeding should be done.
Mango Orchard	General	i) Spray either Imidachlorpid (Confidor) @ 3ml/10 litres of water or Acetamiprid (Asataf) @ 1 ml/litre of water for controlling mango hopper ii) When inflorescence attain 4 inches (emergence of axis) or just before flowering apply Tridemethon (Beledan) @ 1 g/litre of water with sticker (Tiptop/diamond) iii) Immediately after fruit setting apply Bavistin @ 1 g/litre – 3 sprays at 15 days interval

		iv) Irrigation should be done in all orchards. v) Apply FYM @ 10-12 kg and Sufala / DAP @ 1 kg per plant.
Poultry	General	Care for day old chicks with proper brooding, ventilation and management may reduce morbidity and mortality rate Anti-stress medication is recommended to save the poultry birds against cold weather.
Fishery	General	i) Against Ulcer disease take preventive measure with application of 10-14 kg Lime per bigha fish pond. ii) For control of Ulcer disease, apply 13 kg Lime per bigha fish pond. Then after 7 days, apply 1.3 kg bleaching powder per bigha fish pond. iii) In order to avoid bird menace, give net covering over the fish pond. iv) In cold and cloudy weather, avoid application of fertilizer and compost, as oxygen deficiency increases and depth of water decreases in farm pond.

Coastal Saline Zone

Crop	Stage	Disease	Advisory
Boro paddy			--Complete transplanting in the main field within 2-3 days --Follow a spacing of 20cm X 20cm and transplant the seedlings at 2cm depth --four to five seedlings transplant per hill --For avoiding morning dense fog apply Trycyclozole@5-6g/10liter of water in the seed bed before uprooting the seedlings
Potato	Tuber formation	Late blight	--Where plants found already attacked apply a mixture of Thiamethoxin and Mancozeb@3g/liter of water or a mixture of Diomithomorf and Mancozeb @3g/liter of water --Apply all the medicine alternatively --Wet the plant fully by insecticide --Stop irrigation and urea application
MNustard	Siliqua formation	Pod borer	--Apply Acephate@1g/liter of water
Marigold	Flowering	Rotting due to morning fog and low temperature	--Destroy the rotten flower --Pluck the fresh flower as possible and store them in cold storage as there is a chance of light rain
Sunflower			--Start sowing --Before sowing treat the seed by soaking for 10 hours with Thirum/Captan@3g/kg of seed to ensure germination --Spacing should be maintained as 60cm X 30cm for hybrid variety and 45cm X 30cm for long duration variety

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
Lentil	Growth stage	--	Repeat the dose of DAP and Boron @ 20gram/liter and 2g/liter of water respectively at the age of 45 days of lentil.
Winter Vegetables	Vegetative	Pest	Management of winter vegetable pest at early vegetative stage sprays Chlorpyriphos 50% + Cypermethin 5% @ 1.5 ml/liter of water.
Mustard	Growth	Aphid	Management of mustard aphid sprays Dinoteforun 20% S G @ 0.5gram/liter of water.

Mustard	Growth	Alternaria Blight	To control Alternaria blight of mustard spray Mancozeb (2.5g/liter of water) or Iprodione @ 1g/liter of water.
Vegetables	Growth	Sucking pest	Management of sucking pest on vegetables crops spray dadedci @ 1.5g/liter of water with sticker @ 0.5ml/liter.
Cattle	--	--	Irrigation of fodder crops of Alfalfa and Berseem clover should be carried out every 20-30 days and for the oat crop every 20-22 days.
Fishery	Pond preparation	--	Pond preparation should be done through cultivation of Dhaincha @ 1-1.5kh/bigha for 30-45 days for seasonal & new pond.
Lentil	Growth stage	--	Repeat the dose of DAP and Boron @ 20gram/liter and 2g/liter of water respectively at the age of 45 days of lentil.

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Boro rice	Tillering	-- Weeds	Keep the bunds clean and maintain the water level upto 2 cm in the field. If weeds are noticed in the field, apply Butachlor @1.25-2 kg/ha at 3-4 days after transplanting.
Wheat	Late jointing Flowering	Rust and Blight disease --	The weather condition may favor rust and blight diseases. Spray Mancozeb @ 2.5g/lit of water. Give irrigation to the crop and avoid the unnecessary chemical applications at this stage.
Potato	Tuber bulking	Late blight	Give light irrigation to the crop. Apply Mancozeb @ 2.5g/lit of water.
Mustard	Pod development	Aphids	If aphids are noticed, spray Imidacloprid @1ml/1.5lit of water.
Fishery	Fishery Management: 1. Apply Lime (Calcium Carbonate) depending on water pH. Lime should be broadcasted in split doses and keep the pH of pond water between 7.5-8. 2. Do health check-up of fish by periodical netting. 3. Diseased fish should be isolated from main stock and should be treated with potassium permanganate and sodium chloride based on the severity of infestation.		
General	As per NDVI map for the district the crop coverage is moderate and the district is moderately dry in condition. Give irrigation to the standing crops.		

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	All	<ul style="list-style-type: none"> Irrigate the vegetables grown in upland area as the dry condition likely to be continued.
Vegetable	Vegetative	<ul style="list-style-type: none"> Do soil application of Pseudomonas and Trichoderma @ 2.5 kg/ha in bhendi.
Vegetable	All	<ul style="list-style-type: none"> Spray 3 % Neem oil to control caterpillar in leafy vegetables as the weather is conducive, for the growth of such pest.
Poultry	All	<ul style="list-style-type: none"> Provide cool drinking water with electrolyte to poultry birds to reduce heat stress.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	All	<ul style="list-style-type: none"> Irrigate the vegetables grown in upland area as the dry condition likely to be continued.
Vegetable	Vegetative	<ul style="list-style-type: none"> Do soil application of Pseudomonas and Trichoderma @ 2.5 kg/ha in bhendi.
Vegetable	All	<ul style="list-style-type: none"> Spray 3 % Neem oil to control caterpillar in leafy vegetables as the weather is conducive, for the growth of such pest.
Poultry	All	<ul style="list-style-type: none"> Provide cool drinking water with electrolyte to poultry birds to

reduce heat stress.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Coconut	All	<ul style="list-style-type: none">• Make basin around the coconut and harvest rain water as good amount of rainfall is expected.
Goat	All	<ul style="list-style-type: none">• Keep the goat under dry clean shelter to avoid pneumonia or breathing problem.

For details please contact with AMFU/KPS /ADO's office of the respective area.