

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

For the period from 03rd November '2018 to 07th November '2018

AGROCLIMATIC REGIONS OF WEST BENGAL

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



Issued on
Friday, 02nd November '2018

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, 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 and Birbhum	Kharagpur

Met sub-divisions of the state

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

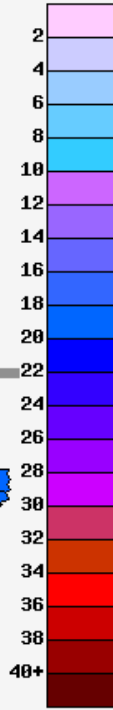
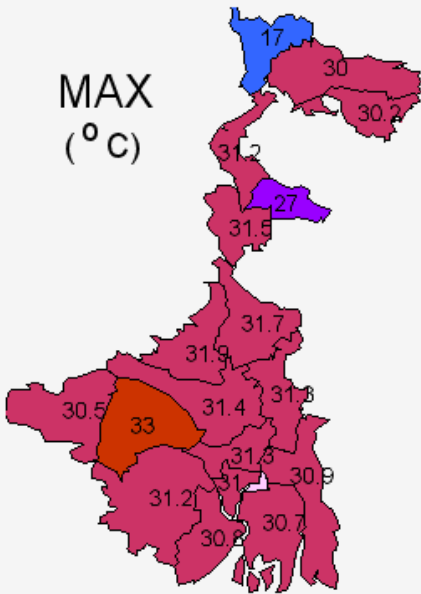
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Purba Midnapore, Kolkata, Burdwan.

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

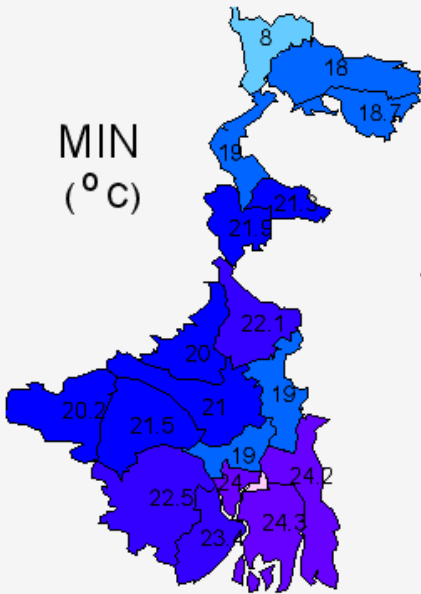
DAY 1 FORECAST

Valid up to :Saturday 03rd November 2018,0830 hrs IST

MAX
(°C)

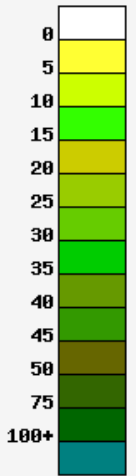
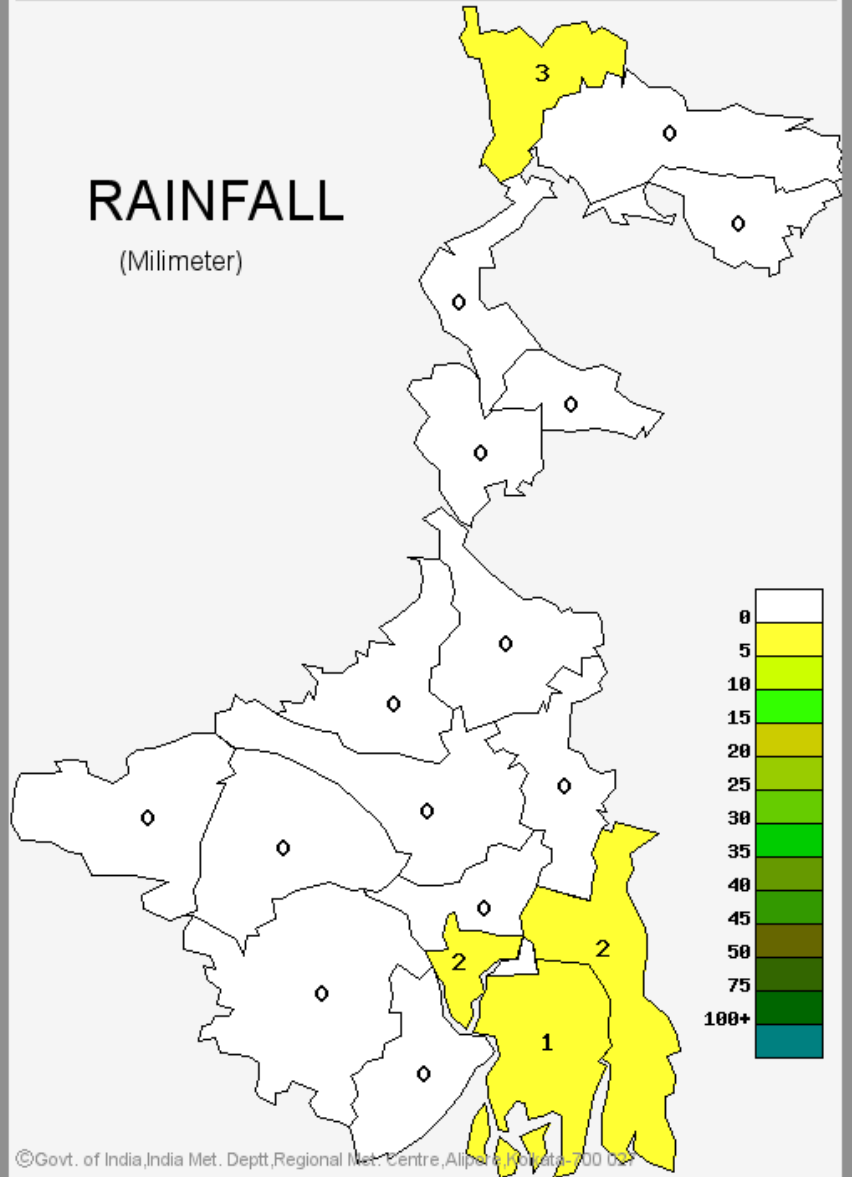


MIN
(°C)



RAINFALL

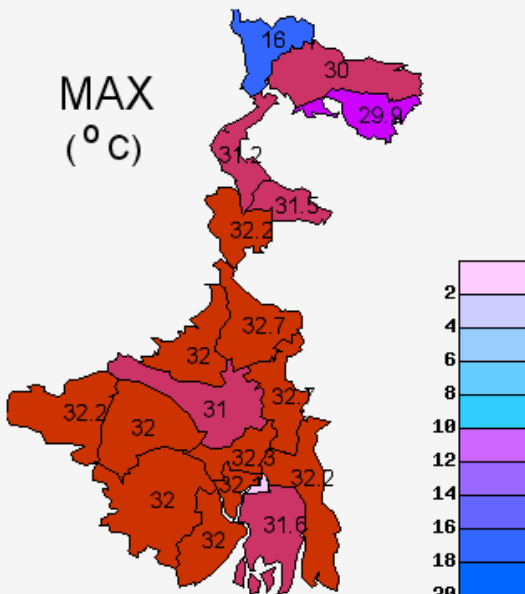
(Milimeter)



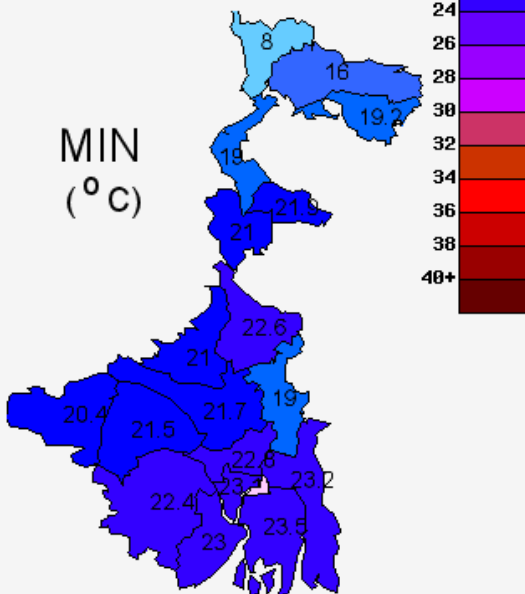
DAY 2 FORECAST

Valid up to : Sunday 04th November 2018, 0830 hrs IST

MAX (°C)

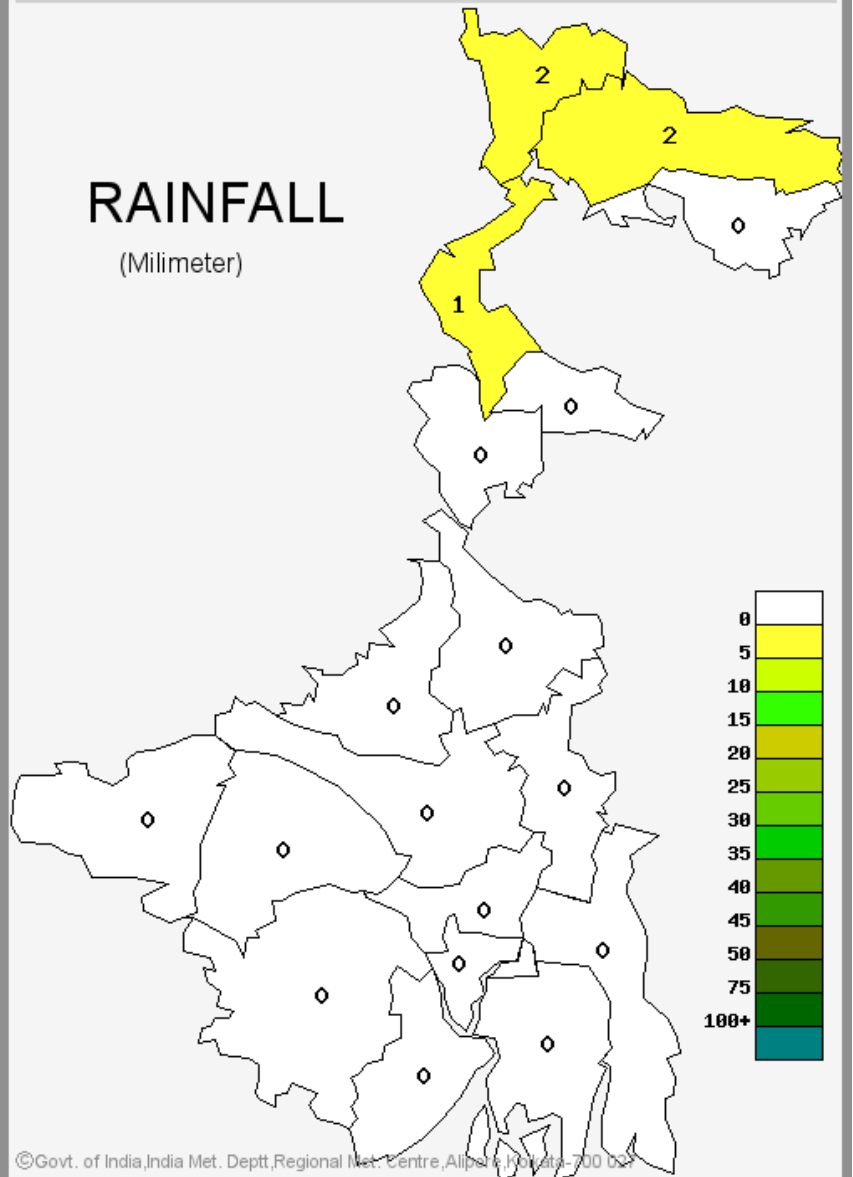


MIN (°C)



RAINFALL

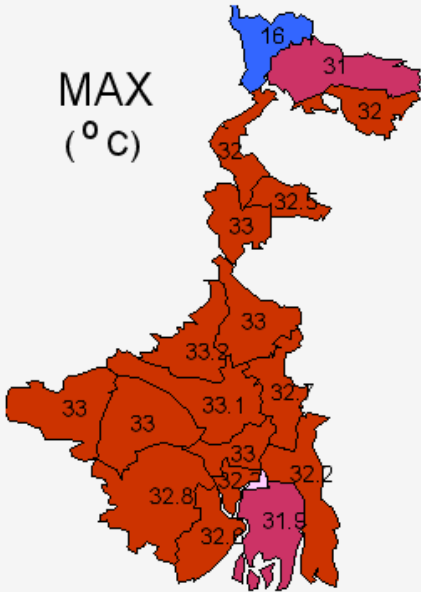
(Milimeter)



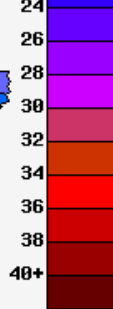
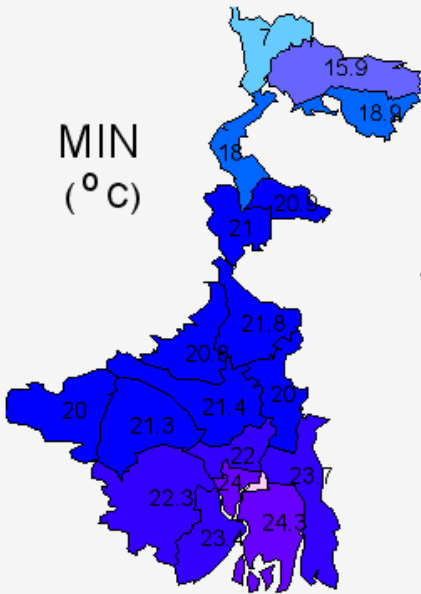
DAY 3 FORECAST

Valid up to :Monday 05th November 2018,0830 hrs IST

MAX
(°C)

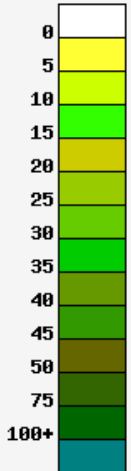
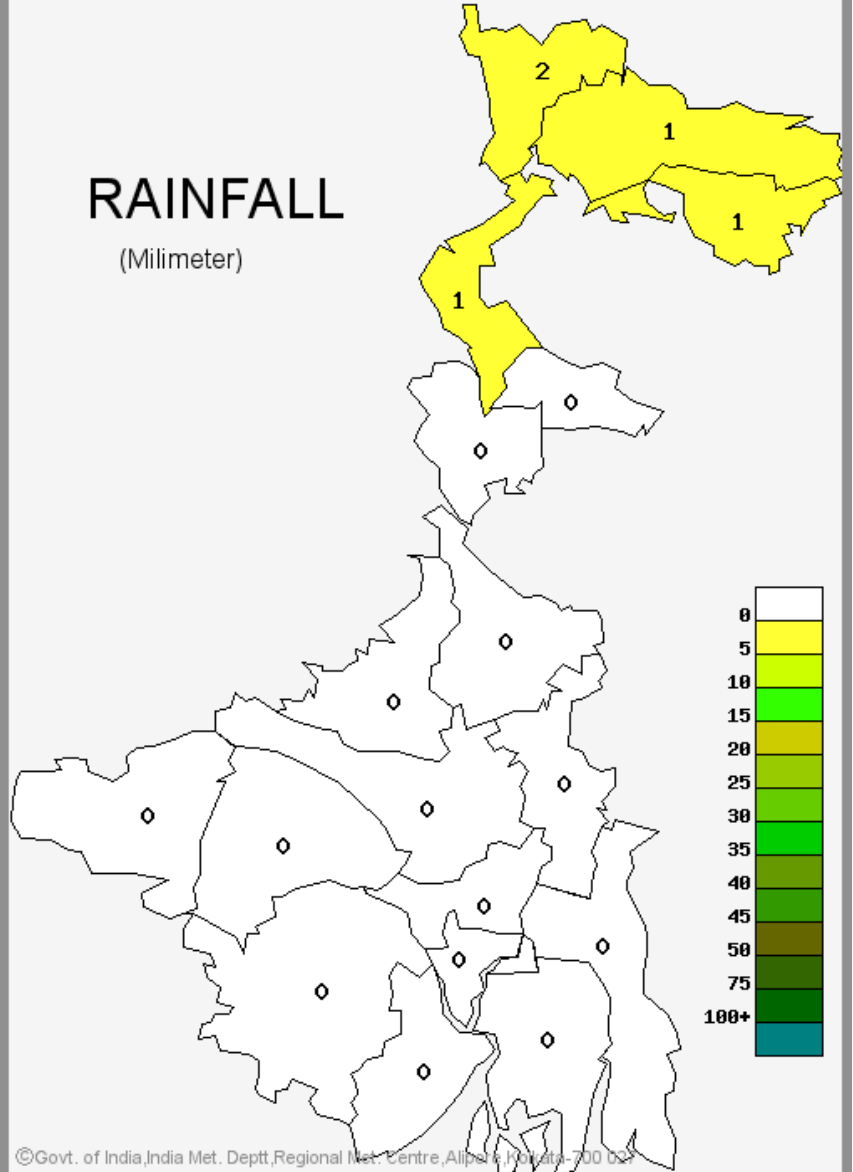


MIN
(°C)



RAINFALL

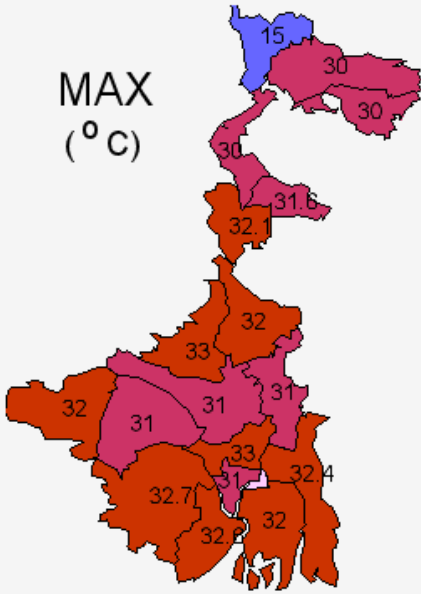
(Milimeter)



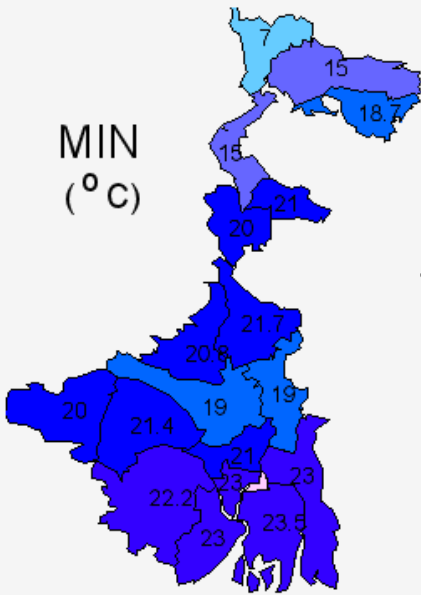
DAY 5 FORECAST

Valid up to :Wednesday 07th November 2018,0830 hrs IS

MAX
(°C)

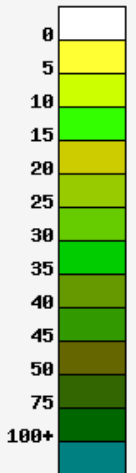
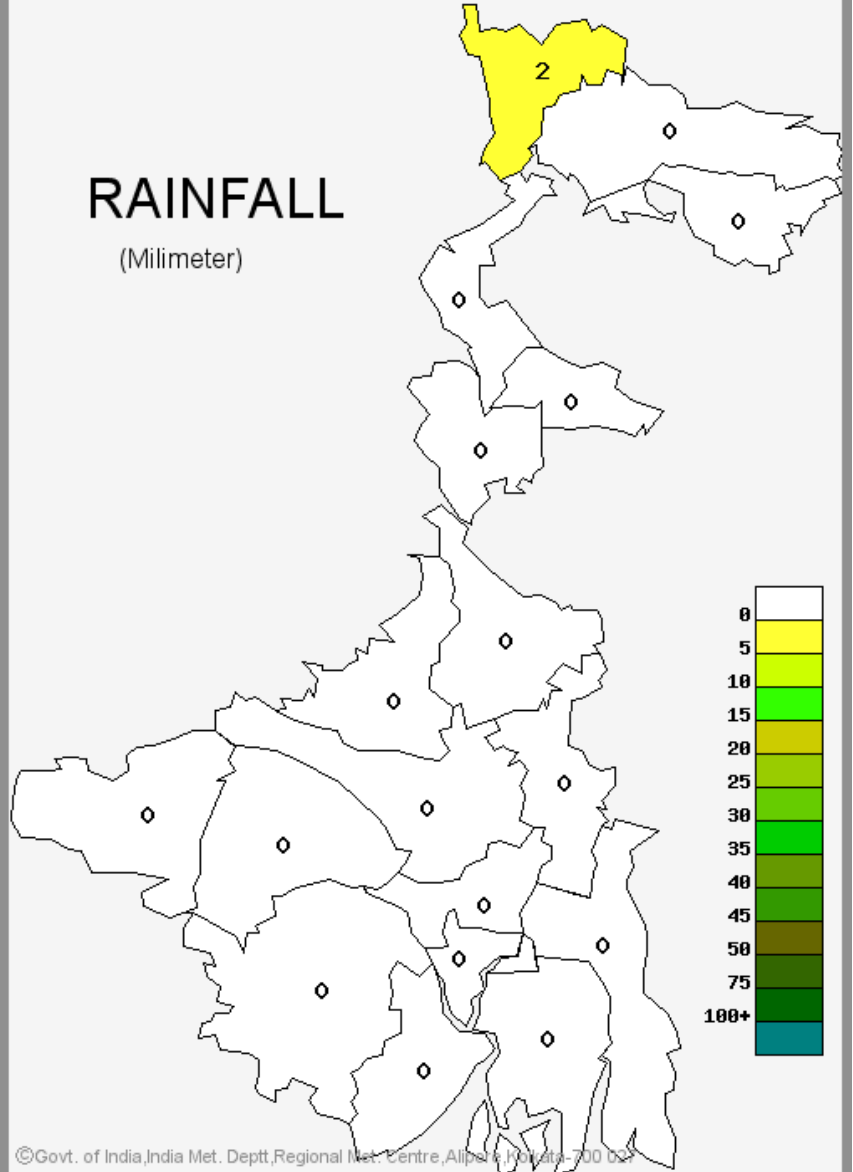


MIN
(°C)



RAINFALL

(Milimeter)



Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 30/10/18 to 01/11/18

District level Weather Forecast for different agroclimatic zones for the period 03/11/18 to 07/11/18

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	23-24	8-13	55-90
Wednesday	0.0			
Thursday	0.0			

DARJEELING

Rainfall	Possibilities of light rainfall on 3 rd Nov, no rainfall on 6 th Nov and rest of the day's very light rainfall are expected. In next five days total rainfall of 9.0 mm is expected.
Cloud Cover	Possibilities partly clear sky on 6 th Nov, mainly clear sky on 7 th Nov and rest of the day's clear sky is expected.
Max. Temp.	Maximum temperature is expected to be around 15 to 17°C.
Min. Temp.	Minimum temperature is expected to be around 6 to 8°C.
Max. RH	Maximum relative humidity is expected to be around 75- 85%.
Min. RH	Minimum relative humidity is expected to be around 41-57%.
Wind	Wind mainly will blow from southerly on 6 th Nov, 7 th Nov and rest of the day's wind mainly will blow from south-easterly direction. In coming five days wind mainly will blow with a speed of 7.4-8.7 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	31-32	16-17	70-95
Wednesday	0.0			
Thursday	0.0			

COOCHBEHAR

- Mainly clear sky will remain from 03rd to 07th November.
- No rainfall will occur from 03rd to 07th November.
- Wind north easterly from 03rd to 07th November, average speed of 6-13 km/hr. is expected.
- Maximum temperature is expected to be around 30-32°C and minimum temperature is expected to be 19-19°C.
- Maximum and minimum relative humidity is expected to be 63-84% and 40-57% respectively.
-

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-32	18-19	60-75
Wednesday	0.0			
Thursday	0.0			

JALPAIGURI

- Mainly clear sky will remain from 03rd to 07th November.
- No rainfall will occur from 03rd to 07th November.
- Wind north easterly from 03rd to 07th November, average speed of 6-13 km/hr. is expected.
- Maximum temperature is expected to be around 30-31°C and minimum temperature is expected to be 15-18°C.
- Maximum and minimum relative humidity is expected to be 63-82% and 37-54% respectively.
-

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	30-32	18-19	77-85
Wednesday	0.0			
Thursday	0.0			

NORTH DINAJPUR

- Mainly clear sky will remain from 03rd to 07th November.
- No rainfall will occur from 03rd to 07th November.
- Wind north easterly from 03rd to 07th November, average speed of 6-13 km/hr. is expected.
- Maximum temperature is expected to be around 30-32°C and minimum temperature is expected to be 15-19°C.
- Maximum and minimum relative humidity is expected to be 69-87% and 42-46% respectively.
-

Gangetic Alluvial Zone**BURDWAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	28-30	20-22	70-85
Wednesday	1.0			
Thursday	0.0			

BURDWAN

Mainly clear to partly cloudy sky is expected during next 5 days .

No rainfall is expected during next few days .

Wind flow mainly from W, SW & S direction with 4.7-7.3 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 62-79% and minimum relative humidity is expected to be around 32% - 50%.

Maximum temperature is expected to be around 31.9°C - 33.2°C and minimum temperature is expected to be around 21.2°C – 22.1°C.

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	10.0	31-32	21-23	65-80
Wednesday	0.0			
Thursday	0.0			

MURSHIDABAD

No rainfall is expected during next .

Clear to partly cloudy sky is expected during next few days.

Wind flow mainly from W, SW, E, SE & S direction with 4.2 – 7.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 58-71% and minimum relative humidity is expected to be around 29% - 47%.

Maximum temperature is expected to be around 31.9°C - 33.8°C and minimum temperature is expected to be around 21.5°C - 22.5°C

**NADIA**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.1	28-32	18-22	75-85
Wednesday	0.0			
Thursday	0.0			

NADIA

No rainfall is expected during next few day.

Clear to partly cloudy sky is expected during next few days.

Wind flow mainly from S, SW & W direction with 4.1-8.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 61-76% and minimum relative humidity is expected to be around 31% - 47%.

Maximum temperature is expected to be around 32°C - 33.6°C and minimum temperature is expected to be around 21.7°C - 22.5°C

HOOGHLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	7.6	27-32	21-23	60-90
Wednesday	0.0			
Thursday	0.1			

HOOGHLY

No rainfall is expected during next few days .

Clear to partly cloudy sky is expected during next few days.

Wind flow mainly from S & SW direction with 5.4 - 8 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 60% - 85% and minimum relative humidity is expected to be around 34% - 51%.

Maximum temperature is expected to be around 28.7°C - 33.1°C and minimum temperature is expected to be around 22°C -23.9°C

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	1.0	29-30	21-22	80-95
Wednesday	2.2			
Thursday	--			

HOWRAH

No rainfall is expected during next few days .

Clear to mainly cloudy sky is expected during next few days.

Wind flow mainly from S, SW & W direction with 5.4 - 8 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 71% - 86% and minimum relative humidity is expected to be around 34% - 52%.

Maximum temperature is expected to be around 32.1°C - 33.2°C and minimum temperature is expected to be around 23.1°C -23.5°C

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	2.7	27-31	22-24	80-95
Wednesday	0.3			
Thursday	0.0			

NORTH 24 PGS

No rainfall to light rainfall is expected during next few days .Total will be 11m.m.

Clear to Mainly partly sky is expected during next few days.

Wind flow mainly from SW & S direction with 6 - 8km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 69% - 84% and minimum relative humidity is expected to be around 36% - 54%.

Maximum temperature is expected to be around 31.7°C - 33.5°C and minimum temperature is expected to be around 23°C -23.6°C

Vindhyan Alluvial Zone

DAKSHIN DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	31-31	22-25	55-70
Wednesday	0.0			
Thursday	0.0			

DAKSHIN DINAJPUR

- Possibility of clear sky on 3rd November to 5th November and mainly clear sky on 6th & 7th November.
- There seems to be possibility of no rainfall on 3rd November to 7th November.
- Wind from North-easterly and Easterly direction with an average speed of 6.4-8.0 Km/hr. is expected.
- Maximum temperature is expected to be around 31.1-32.4⁰C and minimum temperature is expected to be 20.9-21.9⁰C.
- Maximum and minimum relative humidity is expected to be 78-89 % and 40-46 %, respectively

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	32-33	22-23	60-80
Wednesday	0.0			
Thursday	0.0			

MALDA

- Possibility of clear sky on 3rd November to 5th November and mainly clear sky on 6th & 7th November.
- There seems to be possibility of no rainfall on 3rd November to 7th November.
- Wind from South-easterly and Easterly direction with an average speed of 5.6-7.6 Km/hr. is expected.
- Maximum temperature is expected to be around 31.5-33.0 and minimum temperature is expected to be 20.9-22.7⁰C.
- Maximum and minimum relative humidity is expected to be 71-81 % and 34-40 %, respectively

Coastal Saline Zone**PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	1.5	26-31	18-23	65-95
Wednesday	25.0			
Thursday	0.0			

PURBA MIDNAPUR

- Light rainfall is predicted on 3rd and 4th November and no rainfall is predicted in the remaining days.
- Sky will be mainly clear in the next five days.
- Wind speed will be 6.3-9.4 km/sec. and the predominant wind direction will be Westerly.
- Maximum temperature is expected to be around 31.9⁰C -32.8⁰C and minimum temperature is likely to be around 22.6⁰C-23.3⁰C.
- Maximum and minimum relative humidity will be in the range of 74% -89% and 41% -56%.
-

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	1.2	26-31	22-23	70-95
Wednesday	2.5			
Thursday	0.0			

SOUTH 24-PGS

- Light rainfall is predicted on 3rd and 4th November and no rainfall is predicted in the remaining days.
- Sky will be mainly clear in the next five days.
- Wind speed will be 7.1-9.4 km/sec. and the predominant wind direction will be Southwesterly to Westerly.
- Maximum temperature is expected to be around 31.5⁰C -33.1⁰C and minimum temperature is likely to be around 23.3⁰C-24.2⁰C.
- Maximum and minimum relative humidity will be in the range of 70% -85% and 40% -56%.

Undulating Red and Laterite Zone

PASCHIM MIDNAPORE

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.6	27-29	21-23	70-85
Wednesday	0.2			
Thursday	0.0			

PASCHIM MIDNAPORE

- No rainfall for the coming five days and completely clear sky will be present for the same.
- Predominant wind direction will be Southwesterly. Wind with a speed of 5.7-7.6 km per hour will blow for coming five days.
- Relative humidity maximum will be 70-86% and minimum will be 37-54%
- Maximum temperature will be 31.2-32.9°C and minimum will be 21.8-22.5°C.
-

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-30	21-21	75-90
Wednesday	0.0			
Thursday	0.0			

BANKURA

- No rainfall for the coming five days and completely clear sky will be present for the same.
- Predominant wind direction will be Southwesterly. Wind with a speed of 5.3-7.4 km per hour will blow for coming five days.
- Relative humidity maximum will be 64-82% and minimum will be 33-51%
- Maximum temperature will be 31-33°C and minimum will be 21-21.5°C.
-

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	31-32	19-19	70-95
Wednesday	0.0			
Thursday	0.0			

PURULIA

- No rainfall for the coming five days and completely clear sky will be present for the same.
- Predominant wind direction will be Southwesterly. Wind with a speed of 5.2-7.3 km per hour will blow for coming five days.
- Relative humidity maximum will be 62-83 % and minimum will be 35-50%
- Maximum temperature will be 30.5-33°C and minimum will be 20-20.4°C.
-

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-31	20-21	75-80
Wednesday	0.0			
Thursday	0.0			

BIRBHUM

- No rainfall for the coming five days and completely clear sky will be present for the same.
- Predominant wind direction will be Southwesterly. Wind with a speed of 5.4 -6.8km per hour will blow for coming five days.
- Relative humidity maximum will be 56-74% and minimum will be 30-49%
- Maximum temperature will be 31.9-33.3°C and minimum will be 20-21°C.
-

Andaman & Nicobar Islands**ANDAMAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-34	23-29	60-95
Wednesday	1.5			
Thursday	0.0			

NORTH MIDDLE ANDAMAN

Cloudy weather with light rainfall is likely to occur during next five days. In North and Middle Andaman 14 mm of rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 31.1 to 31.6 °C with minimum temperature of 25.0 to 25.4 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 72 to 78 % and 63 to 70 % respectively in North and Middle Andaman. Wind speed of 13.9 to 19.6 km/h is expected from North Easterly direction.

SOUTH ANDAMAN.

- Cloudy weather with moderate rainfall is likely to occur during next five days. In South Andaman 50 mm of rainfall is expected during this period. The maximum temperature in South Andaman will be 31.1 to 31.7 °C with minimum temperature of 25.0 to 25.4 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 74 to 79 %, and 67 to 74 % respectively in South Andaman. Wind speed of 15.6 to 22.9 km/h is expected from North Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	33-33	23-24	75-95
Wednesday	0.0			
Thursday	0.0			

NICOBAR

- Cloudy weather with moderate to heavy rainfall is likely to occur during next five days. In Nicobar Islands 136 mm of rainfall is expected during this period. The maximum temperature will be 30.4 to 30.9 °C with minimum temperature of 25.0 to 25.8 °C, whereas the maximum and minimum relative humidity is expected to be 79 to 83 %, and 74 to 78 %, respectively in Nicobar Islands. Wind speed of 13.9 to 25.6 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 light rainfall on 3 rd Nov, no rainfall on 6 th Nov and rest of the day's very light rainfall has been forecasted so, irrigate the crops as per the requirement. Agricultural vigour is good condition in Darjeeling district according to the Normalized Difference Vegetation Index (NDVI) map from 22 nd Oct to 28 th Oct, 2018 According to the Standardized Precipitation Index (SPI) map cumulative four weeks for the period from 4 th Oct to 31 st Oct, 2018 Darjeeling district experienced mildly dry condition.
Large cardamom	Vegetative and harvesting Stage	-	Harvesting of capsule should be completed. After harvesting manuring followed by irrigation should be done.
Mandarin Orange	Vegetative and bearing tree	-	Fruit should be guarded against fruit sucking moth and fallen fruit should be collected and destroyed. Spraying of 2, 4-D or NAA (0.5%) with 2% urea + Carbendazim 1gm/lit of water to reduce fruit drop.
Soybean	Maturity Stage	-	Mature crop should be harvested.
Ginger	Pre-harvesting Stage	-	Careful roguing and destruction of infected plants

			should be done.
Turmeric	Pre-harvesting Stage	-	Careful roguing and destruction of infected plants should be done.
Rice	Flowering Stage	-	Irrigation should be given as per the requirement.
Cole Crop (Cauliflower, Cabbage, etc)	Land Preparation	-	Field preparation should be started for cole crops for coming <i>rabi</i> season.
Potato	Land Preparation		During land preparation all the weeds and previous crops stubble should be removed from field. Before sowing of tubers full dose of FYM @ 10 ton/ha and 1/3 dose of nitrogen (66kg/ha) and full dose of phosphorus (150kg/ha) and 1/3 dose potassium (50kg/ha) should be incorporated to the soil.
Garden Pea	Land Preparation		Field preparation should be started for garden pea for coming <i>rabi</i> season.

Terai-Teesta Alluvial Zone

Advisory

General Mainly clear sky will remain from 03rd to 07th November.

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory
Paddy	Flowering, Maturity	Rice hispa, YSB, Leaf folder, Sheath blight, Mealybug, Blast	Clip of tip of the seedlings if possible. Application of granular pesticide(Cartap 4G) @ 10kg/acre. Apply validamycin@2ml/lit. or Hexaconazole @ 1ml/lit of water at the base of plant near water line if there is irregular grey patches with brown margin. Chloropyriphos 20 EC @ 2ml/lit of water against mealybug. Spindle shaped spot develop on the rice leaves with grey centre and brown margin. Spray with Tricyclazole 75 WP @1g/lit of water.
Ginger, Turmeric		Rizome rot	Earthingup, weeding and drainingout of excess water. Turmeric In case of leaf yellowing due to rotting of rhizomes apply (Metalaxyl + Mancozeb) @2.5 g/ lit. of water as soil drenching.
Legume vegetable	Reproductive	Aphid, white fly	Apply Potassic fertilizer. For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @1g/3 lit.. of water may be applied.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Downy mildew	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG@ 3g/10lit. of water. For downy mildew yellowish patches develop on upper surface of the leaf, below which whitish fungal growth seen. In such symptom apply Azoxystrobin @ 1 mili/ lit. of water.
Brinjal	Vegetative Fruiting	fruit and shoot borer Nematode White fly, Jassid	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 in care of sucking pests infestation. For nematode problem apply Fipronil 0.3G @1.5 Kg/Bigha followed by a light irrigation. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit or Thiomithoxam 0.3 SG 1g/3lit of water.
Chilli	vegetative	Aphid, hoppers, white fly, Thrips Yellow mite,	For Aphid, hoppers, white fly and thrips apply Imidaclorprid 17.8 SL@1ml/5lit. of water or thiomethoxam @1g/3lit of water. For yellow mite apply propergite 2.5 ml/lt. of water.
Paddy	Flowering, Maturity	Rice hispa, YSB, Leaf folder, Sheath blight, Mealybug, Blast	Clip of tip of the seedlings if possible. Application of granular pesticide(Cartap 4G) @ 10kg/acre. Apply validamycin@2ml/lit. or Hexaconazole @ 1ml/lit of water at the base of plant near water line if there is irregular grey patches with brown margin. Chloropyriphos 20 EC @ 2ml/lit of water against mealybug. Spindle shaped spot develop on the rice leaves with grey centre and brown margin. Spray with Tricyclazole 75 WP @1g/lit of water.

ANIMAL HUSBANDRY & FISHERY

Name of Animal	Disease	Control measures
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle population are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterials along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelminitics of course for animals in proper doses is also advisable for better production potentials.
Chicken	pox	Care for day old chicks with proper brooding, ventilation and management may arrangement reduce the mortality percent. A course of antibacterial for 3-5 days is recommended for pasting vent condition. Immunization against ND (Ranikhet) recommended as scheduled.

Gangetic Alluvial Zone

Crop	Stage	Advisory
Kharif rice	Maturing & Harvesting Stage	Keeping view in weather, harvesting of mature rice crop in this week may be done for short duration varieties.. After harvesting, crop should be dried in the field for 2-3 days and thereafter threshing should be done. Before storing, grains should be dried to bring down moisture level below 12 %.In the areas where paddy crop is about to mature, irrigation should be stopped two weeks before harvesting. Medium and long duration varieties may be harvested after 15 th Nov depending upon maturity of the crop. After harvesting crop should be dried in the field for 2-3 days and thereafter threshing should be done. Grains should be properly dried to right moisture level before storing.
Mustard	Sowing	Keeping temperature in view sowing of mustard should be done as earliest. After ploughing the field planking should be done. Seed rate: 1.5-2 kg per acre. Moisture level in the soil should be appropriate for proper germination; otherwise apply pre sowing irrigation. Before sowing seeds should be treated with Thiram or Captan @ 2-2.5 g/ kg of seeds. Line sowing is beneficial. In non-spreading varieties, row to row spacing should be 30 cm and in spreading cultivars spacing should be 45-50 cm. After germination, plant to plant spacing should be maintained at 12-15 cm by thinning. Before sowing, soil testing for sulfur should be done and in deficient areas 20 kg sulfur per hectare should be applied at last ploughing..
Gram	Sowing	Sowing of gram should be done in this week. Seed rate: - 60-80 kilogram for small and medium sized varieties and 80-100 kilograms for big sized varieties. R x R spacing to be maintained 30-35 cm. Varieties:- Kabuli type - Pusa 267, Pusa 1003, Pusa Chamatkar; local type – C235, Pusa 246, P.B.G. 1, Pusa 372. Before sowing, seed should be treated with Rhizobium culture and phosphorus solublesing bacteria.
Pea	Sowing	Keeping view in weather, sowing of pea should not be delayed as late sowing reduces the seed yield and exposes the crop to insect damage. Recommended cultivars: - Pusa Pragati, Arkel, Azad Matar-3, Pant Matar-3 and Bournville. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/kg and after that with crop-specific Rhizobium culture. A solution of jaggary and water after boiling should be allowed to cool down and then seeds along with Rhizobium should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.

Cabbage, Cauliflower, Broccoli, Tomato, Bean, Pointed Gourd	Vegetative	Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Nursery preparation should be started for late crop which mature in January.
Potato	Sowing	Farmers are advised for planting of potato in between 15 th to 24 th Nov. N:P:K dose 150 : 150 : 150 kg / ha may give the good result . The crop matures in 80-90 days. 50 Recommended varieties:- Kufri Jyoti , Kufri Chandramukhi, Kufri Himalini etc.
Rabi Onion & Garlic	Vegetative	Weather is suitable for sowing of rabi onion. Seed rate- 10 kg/ha. Before sowing seeds should be treated with Captan @ 2.5 g/ kg of seeds. Sowing of garlic can be done in raised bed. Application of FYM and phosphorus fertilizer is recommended.
Other Rabi Crops	Sowing	Field sanitization is advised before sowing of rabi crop. Bunds, channels, uncultivated fields and field roads should be cleaned by removing weeds also use fully decomposed FYM or compost before sowing of crops and vegetable as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.
Flowers like Marigold, Chrysanthemum & Gladiolus	Transplanting	Chrysanthemum and marigold should be transplanted in raised bed as earliest. Sowing of gladiolus should be done in prepared fields.
Spinach, Radish, Fenugreek, Coriander, Turnip	Sowing	This weather is suitable time for sowing of Radish ,Spinach- All Green, Pusa Bharti , Fenugreek-Pusa Kasuri , Coriander-Pant Haritama, Hybrids; Turnip- Pusa Swati, Local Red varieties etc.
Fishery	General	Apply Cow dung @ 100kg/bigha monthly basis in fish culture pond which enhance the growth of phytoplankton which will be consumed by fish.

Coastal Saline Zone

Crop	Stage	Disease	Advisory
Aman paddy	milk stage to grain filling	--Where 80% grain found mature prepare for harvesting after depression --Drain out excess water where plants are in flowering stage and farmers want to cultivate paira cropping --Collect seeds of lathyrus for paira cropping	

Winter vegetables	Flowering stage	--Prepare weed free well maintained drainage channel --Use staking for preventing lodging in case of tomato plants.	
Fishery	Growing	--	--Apply 25-30kg lime per bigha --Keep the water clean --Netting should be done for better growth
Poultry	chicks	Effect of low temperature	--Now temperature is decreasing during night time --Keep the new born chicks under bulb --Use lime and old news paper in the liter for preventing fungal infection due to cold and damp weather

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
General	--	--	There seems to possibility of no rain on 3 rd November to 7 th November. Apply Paddy harvesting at this weather condition.
Paddy	Flowering/ Milking	--	Management of Gundhibug on rice apply 10-12 spot/bigha, 50 gram rotten snail or rotten frog with 5 gram Imidachloropid mix it well and prepare 10-12 small cloth bundle, hanging with the stick just above the panicle level.
Lentil	Seed collection	--	Collect good quality certified seed of lentil for sowing after harvesting of aman rice.
Cucumber		Downey Mildew	To control Downey mildew of cucurbits spray Metaloxy + Mancozeb @ 2.5 g/lit. Of water.
Winter Vegetables	Seed sowing	--	Start sowing of winter vegetable seeds in the nursery bed. Before sowing the seed bed should be treated with fungicide, (copper-oxychloride) @ 4gram/liter of water to avoid damping off disease.
Cattle	--	--	Essential salts must be mixed with feed and given to the animals.

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Direct seeded Paddy	Maturity/Harvest	Lodging/ Shattering	When 80% grains in a panicle are matured, the crop is ready for harvest. Harvest the matured crop as early as possible and keep the rice bundles in the field for few days for sun drying.
Transplanted paddy	Maturity/Harvest	Lodging/ Shattering	When 80% grains in a panicle are matured, the crop is ready for harvest. Harvest the matured crop as early as possible eand keep the rice bundles in the field for few days for sun drying.
Wheat / Potato/ Sesamum	Field preparation	----	After the harvest of rice crop, field should be ploughed with one deep ploughing followed by 2-3 general ploughings and planking to get the well pulverized seedbed for sowing of wheat or potato or sesamum crops.
Tomato	Fruit development	Yellowing of leaf	Spray Bavistin @ 1.5-2 g/lit of water at clear weather condition.
Brinjal	Fruit development	Yellowing of leaf	Spray Bavistin @ 1.5-2 g/lit of water at clear weather condition.

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Paddy	Harvesting	<ul style="list-style-type: none"> Keep open the bunds of rice field to drain out excess water.
Paddy	Harvesting	<ul style="list-style-type: none"> Harvest the matured paddy and dry it immediately as the weather is conducive.

Vegetable	Nursery	<ul style="list-style-type: none"> • Raise nursery of tomato @ 500 g/ha of seeds in the tray or in the field with good drainage facility.
Poultry	4 weeks	<ul style="list-style-type: none"> • Give “super cox” medicine in water as seasonal outbreak of coccidiosis in 4 weeks of poultry (vanaraja) birds is observed.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Paddy	Harvesting	<ul style="list-style-type: none"> • Keep open the bunds of rice field to drain out excess water.
Paddy	Harvesting	<ul style="list-style-type: none"> • Harvest the matured paddy and dry it immediately as the weather is conducive.
Vegetable	Nursery	<ul style="list-style-type: none"> • Raise nursery of tomato @ 500 g/ha of seeds in the tray or in the field with good drainage facility.
Poultry	4 weeks	<ul style="list-style-type: none"> • Give “super cox” medicine in water as seasonal outbreak of coccidiosis in 4 weeks of poultry (vanaraja) birds is observed.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Coconut	Husk	<ul style="list-style-type: none"> • Place the cut halves of coconut husk in concave direction to avoid contamination and spread of diseases.
Poultry	4 weeks	<ul style="list-style-type: none"> • Give “super cox” medicine in water as seasonal outbreak of coccidiosis in 4 weeks of poultry (vanaraja) birds is observed.

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