



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
Bidhan Chandra Krishi Viswavidyalaya
Mohanpur, Dist- Nadia, West Bengal



Agromet Advisory Bulletin

Date : 30-04-2024

Weather Forecast of District MEDINIPUR-EAST(West Bengal) Issued On : 2024-04-30(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-05-01	2024-05-02	2024-05-03	2024-05-04	2024-05-05
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	38.0	38.0	38.0	37.0	36.0
Tmin(°C)	29.0	29.0	28.0	28.0	28.0
RH-I(%)	60	73	64	81	87
RH-II(%)	16	14	13	13	34
Wind Speed(kmph)	22	23	24	19	21
Wind Direction(Degree)	214	208	210	205	201
Cloud Cover(Octa)	2	1	0	2	3

Weather Summary/Alert:

No rainfall is predicted on next 5 days. • Sky will be mainly clear in next 5 days . • Wind speed will be 19-24 km/hr and the predominant wind direction will be South westerly . • Maximum temperature is expected to be around 36.0-38.0 degree and minimum temperature is likely to be 28.0-29.0 degree. • Maximum and minimum relative humidity will be in the range of 60-87% and 13-34%

General Advisory:

Mainly dry westerly to north westerly wind at lower levels continue to prevail over the region and due to strong solar insolation heat wave condition is very likely to prevail over the districts of West Bengal during 29th April – 03rd May, 2024. Heat wave to Severe heat wave conditions prevailed in South 24 Parganas and East Midnapore. Maximum temperature recorded on 29.4.24 (Source: Govt. of India, Ministry of Earth Science, IMD, RMC, Kolkata) Diamond Harbour 40.9 Severe heatwave condition Midnapur 44.5 Digha 37.1 Canning 42.4 Contai 38.5 Haldia 39.1 As per extended range forecast large deficit in rainfall is recorded from 11.4.24 to 24.4.24. Based on MME forecast no rainfall is predicted from 26.4.24 to 2.5.24 and below normal rainfall is predicted from 3.5.24 to 9.5.24. Based on MME forecast Tmax will be above normal in Week 1 and week 2. For Tmin, it will show above normal in Week 1 and week 2. Special advisory for extreme heat wave condition in South Bengal All the farm operation should be done within 10 am and after 4 pm. Vegetable field and betel vine garden should be kept under irrigation. For preventing dropping of tender mango and cracking of litchi apply shower of water throughout the plant i.e from base to leaves. This is mainly extreme heat wave. Follow flood irrigation for vegetable fields. Even after release of heat wave flood irrigation should be continued upto the final harvesting of summer vegetables. After irrigation, for preventing evaporation from field use mulches (common water hyacinth, straw, weed etc.) to cover the base of plants from slightly far. For any fertilizer application bio fertilizer must be mixed with chemical fertilizer. For any pesticide application, follow evening spraying where flower bloom during morning and follow morning spraying where flower bloom during evening.

SMS Advisory:

No rainfall is predicted, heat wave alert upto 3rd May, follow irrigation at evening. During any farm operation keep the body hydrated for preventing the bad effect of extreme heat wave condition

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Harvesting)	Boro paddy Maturity --Immediate complete harvesting, sundrying, threshing etc. otherwise shattering may take place due to the effect of extreme heatwave

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BITTER GOURD (Harvesting)	Vegetables Summer vegetables: pumpkin, bittergourd, cucumber, okra -- Fruiting stage --Drying due to extreme heatwave • Apply lifesaving irrigation during evening time. • Keep the field under observation during very early morning for disease pest attack. • If borer or spodoptera attack found apply Spinosad only during evening hours.
MANGO (Fruit formation)	Fruits --Mango, litchi --Tender fruiting stage --Severe fruit dropping take place due to extreme heat wave. • Apply shower of water throughout the plant i.e from base to leaves and flood irrigation at the base. • Apply boron @0.5g per liter of water at evening hours.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Cattle --All stages --Dehydration and loose motion • As extreme heatwave alert is there avoid the cattle for free grazing during noon and take them bath frequently. • For loose motion purify the drinking water by mixing Potassium Per Manganet @10g/1liter of water or 2% alum in the drinking water. • Don't use pond water for drinking purpose use tube well water or tap water • Feed the cattle at morning and evening time • Increase water intake by keeping stored water near feeding bucket (80liter water/300-400kg body wt.)

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
CARP	Fishery --Death due to extreme heat wave and decreasing the water level of pond • Apply coconut leaves or water hyacinths over the pond so that fishes can take shelter under the leaves during extreme hot day.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Poultry --Grower and layer --Effect of high temperature (Decrease the size of egg, dehydration) • Apply more water pot in the cage • Mix electrolyte with drinking water and use cold tap water only • Arrange stand fan in poultry cage. • For preventing heatwave cover the windows of farm with wet jute bag and always keep the jute bag wet during the day time only.