



Agromet Advisory Bulletin

Date : 28-04-2023

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2023-04-28(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-04-29	2023-04-30	2023-05-01	2023-05-02	2023-05-03
Rainfall	13.2	9.6	14.2	6.7	5.3
Tmax(°C)	34.0	34.3	33.9	34.1	34.6
Tmin(°C)	19.3	18.9	19.1	19.0	19.6
RH-I(%)	80	71	75	73	68
RH-II(%)	50	42	45	41	39
Wind Speed(kmph)	13	12	11	10	10
Wind Direction(Degree)	256	129	226	190	91
Cloud Cover(Octa)	7	6	7	6	6

Weather Summary/Alert:

• As per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be partially to mostly cloudy during next five days i.e. 29th, April to 03rd, May, 2023. • Light to moderate rainfall very likely to occur on 29th, and 30th, April and 01st, 02nd and 03rd, May, 2023. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur at 29h, 30th, April and 01st, May, 2023. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur on 02nd, May, 2023.

General Advisory:

• Taking into consideration the forecast, priority should be given to carry out the most important work in agriculture before 11 am. Also, agricultural work should be planned keeping in mind the local weather forecast. Farmers and farm laborers themselves should avoid taking shelter under trees and animals should avoid grazing in open spaces, and adequate fodder and water should be arranged for livestock. Keeping animals (cows, buffaloes, goats etc.) under trees should be strictly avoided. The place of confinement of animals should be away from electric poles, water sources, tall trees, old buildings. If necessary, the maintenance and repair work of the cowshed should be done during the local calm and clean weather. • Considering the rainfall forecast, it is advised to farmer that the harvested produce of summer groundnut do not allow for sun drying in open places. The pod drying after harvesting should be done in shade only. • It is advised to farmer that the harvested produce of turmeric do not allow for sun drying in open places. The drying of turmeric produce after cooking/boiling should be done in shade only. • If allow for drying in open places, necessary arrangements for covering the harvested produced should be done. eg. Tarpaulins, plastic sheet etc. • Harvesting and threshing of late sown wheat and other crops should be completed immediately in view of rain forecast. • Fruit and vegetable crops should be supported with bamboo in anticipation of gusty winds. • Marketable fruits should be harvested and sold to avoid damage to fruits and vegetables due to rain and hail. • In view of the forecast of rain, buyers of agricultural produce in Krishi Bazar and Mandai should keep the produce brought by the farmers for sale in sheds instead of in the open, so that the produce does not come in contact with rain. • Spraying of agrochemicals should be postponed for the next 5 days due to gusty wind forecast. Spraying in hail affected vegetables and orchards should be done during local clean and calm weather conditions. Also prefer this during morning time. • Damini-Lightning Alert mobile app should be used to monitor lightning locations.

SMS Advisory:

• Spraying operations should be postponed for next 5days. Spraying in hail affected vegetables and orchards should be done during local clear and calm weather conditions.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	- Considering the rainfall forecast, it is advised to farmer that the harvested produce of summer groundnut do not allow for sun drying in open places. The pod drying after harvesting should be done in shade only. - If allow for drying in open places, necessary arrangements for covering the harvested produced should be done. eg. Tarpaulins, plastic sheet etc.
SUGARCANE	Apply 2 bag of urea to Suru sugarcane planted in the month of February (after 8 to 10 weeks) and irrigate their after.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	- In Nagpur mandarin, due to rainfall and hail storm shedding of leaves, branches and barks might be exposed to various diseases. Remove broken branches and twigs with the help secateurs. Apply Bordeaux paste on affected parts of the plants. - For controlling the fruit drop due to hailstorm in Nagpur mandarin, 1.5 gram 2-4-D + 100 gram Carbendazim + 1.5 kg Urea in 100 litres of water during the clear weather condition at earliest. - After 15 days in the orchards carry out second spray of 1.5 gram Gibberellic acid (GA3) + 1.5 kg of potassium nitrate in 100 litres of water during the clear weather condition at earliest.
SWEET ORANGE	- In sweetorange, due to rainfall and hail storm shedding of leaves, branches and barks might be exposed to various diseases. Remove broken branches and twigs with the help secateurs. Apply Bordeaux paste on affected parts of the plants. - For controlling the fruit drop due to hailstorm in sweetorange, 1.5 gram 2-4-D + 100 gram Carbendazim + 1.5 kg Urea in 100 litres of water during the clear weather condition at earliest. - After 15 days in the orchards carry out second spray of 1.5 gram Gibberellic acid (GA3) + 1.5 kg of potassium nitrate in 100 litres of water during the clear weather condition at earliest.
ACID LIME	In acid lime orchards, citrus canker heavily occurs due to rain and hailstorm. Pruning and destruction of infected twigs should be done. Foliar spray of 180 gram of copper oxychloride and 6 gram of Streptocycline in 60 litre of water may be applied.
TURMERIC	- It is advised to farmer that the harvested produce of turmeric do not allow for sun drying in open places. The drying of turmeric produce after cooking/boiling should be done in shade only. - If allow for drying in open places, necessary arrangements for covering the harvested produced should be done. eg. Tarpaulins, plastic sheet etc.
CABBAGE	- Considering the prevailing cloudy weather, for management of aphids on Cabbage & Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantranilprole 10.26 OD 12 ml per 10 liters of water. - Considering the prevailing cloudy weather, for management of Diamond Back Moth on Cabbage & Cauliflower, Spraying should be done of Chlorpyrifos 20 EC 40 ml or Spinosad 2.5 SC 12 ml or Fenvalerate 20 EC 5 ml per 10 liters of water. - Spraying operation should be done during the clear and calm weather.
CHILLI	- For avoiding flower drop in chilli, apply Planofix 5 ml/9 litre of water, 50 to 70 days after planting. Due to present weather condition for control of sap sucking pest on Chilli crops, spray 5 % Neem ark or imidacloprid 17.8 SL 5 ml per 10 lit. of water. In chilli, if thrips, fruit borer and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantranilprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition. - Spraying operation should be done during the clear and calm weather.
TOMATO	- In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantranilprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition. - Spraying operation should be done during the clear and calm weather.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body

Live Stock(Varieties)	Live Stock Specific Advisory
	to cool off. Give them green fodder, protein-fat bypass supplement, mineral mixture and salt.
COW	Dairy cows should be given 8 kg of dry fodder + 6 kg of green fodder and 1 kg of concentrate feed per day. Maize, sorghum, millet, wheat bran should be used while making the concentrate feed. The concentrate feed should be mixed with mineral mixture at the rate of 20 grams of per kg of concentrate feed.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	To get the protection against heat, provide curtains and proper ventilation in poultry house.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Farmers should take care of thunder and lightning in the sky: If you are working in the field, take shelter immediately near the field. After taking shelter in a safe place in the field, keep dry wood, plastic, gonapath, dry mulch under the feet. Sit with both feet together and both hands on your knees. Make sure that no part of your body touches the ground except your feet. Individuals working in ponds, such as places where there is moisture in the soil or water sources, should go to a safe and dry place immediately. If there are tall trees nearby, take shelter at a distance twice the height of that tree.
GENERAL ADVICE	Farmers should take care of thunder and lightning in the sky: A pucca house is the safest place to avoid lightning. Farmers should plant trees as low as possible around their houses and livestock sheds. Moist, swampy places and water sources (wells, lakes, rivers, farm ponds etc.) should be avoided as much as possible. If traveling in a four-wheeler, stop in the vehicle. Farmers should take care that they do not have any metal tools. When working in the field, do not let more people work together at the same time. Care should be taken to keep a distance of at least 15-20 feet between two persons. Do not use an umbrella with a metal rod. Stay away from other electric tools made by farmers as well as metal ones.
GENERAL ADVICE	It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid up to 08:30 AM of the mentioned date.*Based on a research trial that was not included in the CIBRC label claim. # Under label claim.