



Agromet Advisory Bulletin

Date : 19-04-2022

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2022-04-19(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-04-20	2022-04-21	2022-04-22	2022-04-23	2022-04-24
Rainfall	0.0	0.0	4.2	4.1	3.9
Tmax(°C)	43.8	42.8	42.8	41.8	41.8
Tmin(°C)	25.8	24.8	24.8	23.8	24.8
RH-I(%)	34	35	39	38	36
RH-II(%)	23	25	29	28	26
Wind Speed(kmph)	10.0	11.0	16.0	12.0	13.0
Wind Direction(Degree)	350	25	116	68	166
Cloud Cover(Octa)	4	4	5	5	5

Weather Summary/Alert:

In Katol block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days i.e. 20th, to 24th, April, 2022 and weather is very likely to be dry during next two days, on 22nd, April, 2022 light to moderate rainfall and thunderstorm accompanied with lightning and gusty winds (speed reaching 30-40 kmph) occur. On 23rd and 24th, April, 2022 light to moderate rainfall and thunderstorm accompanied with lightning very likely to occur.

General Advisory:

Considering the rainfall and gusty wind speed, support vegetables and orchards with the help of bamboo. Considering the possibility of light to moderate rainfall, harvesting and threshing of mature wheat and other crops of late sown rabi season should be completed immediately and the produce should be stored in a safe place. If threshing is not possible, cover the harvested farm produce with a plastic sheet. It is advised to carry out deep ploughing after harvesting of rabbi crop field, which will help in warming the soil, help in eradication of insect pupae and harmful fungi, and improve soil tillage for sowing. Soil samples should be taken for soil testing and sent to authorised or government soil testing laboratory with appropriate charges. Sugarcane, summer groundnut, sesame and green gram should be irrigated at intervals of 6 to 7 days keeping in view the available soil moisture and crop requirements. Green shade net should be used to protect summer vegetable crop from heat.

SMS Advisory:

Considering the possibility of rainfall, harvesting and threshing of mature wheat and other crops of late sown rabi season should be completed immediately & stored in a safe place.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	Considering the rainfall forecast, avoid over irrigation/water stagnation in groundnut. During pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
MANGO	For management of fruit drop in mango spraying should be taken of 20 parts per million (PPM) Naphthalic Acetic Acid (NAA) mix with in water and apply on the inflorescence.

Horticulture(Varieties)	Horticulture Specific Advisory
CABBAGE	Considering the prevailing cloudy weather, for management of aphids on Cabbage & Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantraniliprole 10.26 OD 12 ml per 10 liters of water.
CAULIFLOWER	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.
MANDARIN ORANGE	Considering the rainfall forecast, the need of the crop and the available soil moisture status irrigation should be given only if need, drip irrigation at the rate of 14-63, 87-143 and 163-204 litres per day for 1-4, 5-7, 8 years and above trees old respectively. Follow irrigation with double ring method or square method irrigate orchard at 7 to 10 days interval. Considering the increasing temperature, mulching around tree trunk up to 5-10 cm should be done with wheat straw, paddy straw or uprooted weeds so that, evaporation of water due to high temperature can be minimized which helps in reducing fruit crop.
MANDARIN ORANGE	Water stress conditions often aggravate mite problem during these periods. Trees should be well irrigated, particularly during the stress in late summer. Foliar application of Dicofol* 18.5EC @ 27ml or Propargite* 57 @ 20 ml or Ethion* 50EC @20ml in 10 litre water twice at 15 days' interval is necessary immediately during summer at water stress period. To check the blackfly infestation during April, foliar application of Imidacloprid# 17.8 SL @ 5 ml or Dimethoate# 30 EC @ 20 ml per 10litre of water at 15 days' interval on the lower sides of leaves covering the entire tree canopy coinciding with adult emergence and 50% egg hatching necessary effectively to check the pest.
MANDARIN ORANGE	Foliar application of gibberellic acid 1.5 gm + urea 1 kg may be given during fruit set after mixing it in 100 litres water. (Dissolve gibberellic acid in 10 ml alcohol before mixing in water). Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 41 to 42 degree Celsius. Installed Yellow Sticky trap @ 30 /acre (Using 30 x 40 cm size foam sheet with Castor oil as sticker at weekly interval to catches large number of adult sucking pest at 1.5 to 2.0-meter height above soil surface.
MANDARIN ORANGE	For effective management of gummosis of Nagpur mandarin gummosis-affected portion from where gum is oozing needs to be scraped out with sharp knife, taking care not to damage the wood. Cleaned portion pasting with Metalaxyl MZ* (50 g/l) or Fosetyl-A1* (50 g/l) at initiation of disease and second after 30 days from initiation of the disease.
ACID LIME	Considering the rainfall forecast, the need of the crop and the available soil moisture status irrigation should be given only if need, In acid lime 1 to 4 year tree should be given 11 to 27 litres water per day per tree, 5 to 7 year tree be given 34 to 53 litres water per day per tree, 8 to 10 years tree be given 65 to 100 litres water per day per tree.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Considering the rainfall, gusty wind and thunderstorm and lightning forecast, avoid grazing of animals on open places. 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 to cool off. Give them green grass, protein-fat bypass supplement, mineral mixture and salt.
COW	Dairy cows should be given 8 kg dry fodder and 6 kg green fodder and 1 kg feed. Maize, sorghum, millet, wheat bran should be used in mixing in preparation diet. Add 20 gms per kg of mineral mixture in the diet.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
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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	Intercultural operation, fertilizer application in standing crop, pesticide application, irrigation application should be done on clean and dry day depending on local weather condition and soil moisture availability. It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid from 08:30 AM of the previous day to 08:30 AM of the mentioned date. *Based on a research trial that was not included in the CIB RC label claim. # Under label claim.