



Gramin Krishi Mausam Sew

Experimental Block Level Agromet Advisory Bulletin
(A Joint Initiative of IMD & ICAR)



Agromet Advisory Bulletin

Date : 02-05-2022

Weather Forecast of **BHIVAPUR** Block in **NAGPUR**(Maharashtra) Issued On :2022-05-02(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-05-03	2022-05-04	2022-05-05	2022-05-06	2022-05-07
Rainfall	1.9	1.4	1.6	0.0	0.0
Tmax(°C)	42.0	41.0	41.0	42.0	43.0
Tmin(°C)	29.0	28.0	27.0	27.0	28.0
RH-I(%)	31	35	29	26	28
RH-II(%)	17	15	16	14	13
Wind Speed(kmph)	14.0	13.0	13.0	14.0	15.0
Wind Direction(Degree)	279	230	282	291	286
Cloud Cover(Octa)	3	2	3	2	1

Weather Summary/Alert:

In Bhivapur block, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy during next five days i.e. 03rd to 07th, May, 2022 and light to moderate rainfall very likely to occur and thunderstorm with lightning very likely to occur on 03rd, 04th and 05th, May, 2022.

General Advisory:

- Considering the light to moderate rainfall and thunderstorm with lightning at isolated places it is advised to avoid the grazing of livestock on open spaces.
- Considering the temperature forecast only need base light and frequent irrigation should be apply to fruit orchards, vegetables and summer field crops.
- Measures should be taken to protect livestock from rising temperatures. Provide cold and clean water to the animals. Avoid working with bulls and livestock between 11 am and 4 pm.
- The roof of the barn should be covered with grass to protect the livestock from the heat. If the shade is cement or sheet, paint it white. Fans or foggers should be used in animal sheds if possible. Animal feed should include green fodder, protein rich, mineral mixture and salty food.
- Use a curtain in the poultry shed and make sure that air circulates in the shed.
- 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.

SMS Advisory:

- Considering the light to moderate rainfall and thunderstorm with lightning it is advised to avoid the grazing of livestock on open spaces.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	• During pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation. • In case of infestation of leaf-eating caterpillar on groundnut crop is noticed and crossing ETL, spraying should be done of with Flubendiamide 20% WG 6 gm per 10 liter of water during clear weather condition.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
-------------------------	--------------------------------

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	- Considering the increased temperature and cloudy weather in the chilli crop, 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 Cyantraniliprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition.
TOMATO	In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition.
CABBAGE	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	- Follow irrigation with double ring method or square method irrigate orchard at 7 to 10 days interval. - Drip irrigation at the rate of 17-74, 102-166 and 187-235 litres per day for 1-4, 5-7, 8 years and above trees old respectively. - 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 18.5 EC @ 27ml or Propargite* 57 EC @ 20 ml or Ethion* 50 EC @ 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. - 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.
MANDARIN ORANGE	- If orchard is more than 6 year aged, 150 to 240 litre water per days per tree is required. Mulching of soil with paddy straw or locally available organic or inorganic (Black polythene) material essential to prevent excess evaporation. - Mulching helps in maintaining soil moisture for long period. 2 per cent Kaolin spray to reduce the transpiration. Application of copper oxychloride 50 WP @ 25 gram per 10 litre of water for controlling fruit let blight infection.
ACID LIME	In acid lime 1 to 4 year tree should be given 11 to 35 litres water per day per tree, 5 to 7 year tree be given 42 to 61 litres water per day per tree, 8 to 10 years tree be given 73 to 108 litres water per day per tree.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	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. Make them graze during cooler hours.

Live Stock(Varieties)	Live Stock Specific Advisory
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.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	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
SOIL TESTING	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.
GENERAL ADVICE	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.
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.