



Gramin Krishi Mausam Sew

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



Agromet Advisory Bulletin

Date : 26-04-2022

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2022-04-26(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-04-27	2022-04-28	2022-04-29	2022-04-30	2022-05-01
Rainfall	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	44.0	45.0	45.0	44.0	44.0
Tmin(°C)	25.0	26.0	27.0	27.0	27.0
RH-I(%)	33	36	34	31	32
RH-II(%)	16	18	15	17	14
Wind Speed(kmph)	15.0	13.0	11.0	12.0	14.0
Wind Direction(Degree)	341	336	21	351	312
Cloud Cover(Octa)	3	4	6	5	4

Weather Summary/Alert:

In Katol block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy and weather is very likely to be dry during next five days i.e. 27th April, 2022 to 01st May, 2022 and heat wave conditions very likely to occur on 28th and 29th, April, 2022.

General Advisory:

Considering the heat wave condition need base light and frequent irrigation should be applied to fruit orchards, vegetables and summer field crops. It is advised to carry out deep ploughing after harvesting of rabi 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. Considering the heat wave condition need base light and frequent irrigation should be applied to fruit orchards, vegetables and summer field crops.

SMS Advisory:

Considering the heat wave condition need base light and frequent irrigation should be applied to fruit orchards, vegetables and summer field crops.

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 with Flubendiamide 20% WG 6 gm per 10 liter of water during clear weather condition.

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.
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.

Horticulture(Varieties)	Horticulture Specific Advisory
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	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* 57EC @ 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-Al* (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 to4 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
COW	Considering the heat wave condition forecast, 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.
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
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.

