



Gramin Krishi Mausam Sew

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



Agromet Advisory Bulletin

Date : 13-04-2023

Weather Forecast of **RAMTEK** Block in **NAGPUR**(Maharashtra) Issued On :2023-04-13(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-04-14	2023-04-15	2023-04-16	2023-04-17	2023-04-18
Rainfall	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	38.7	39.1	39.5	40.0	40.5
Tmin(°C)	22.8	23.2	23.1	23.4	23.5
RH-I(%)	34	36	37	35	34
RH-II(%)	28	26	27	25	24
Wind Speed(kmph)	8	7	7	8	9
Wind Direction(Degree)	307	315	321	272	122
Cloud Cover(Octa)	5	5	4	4	4

Weather Summary/Alert:

• As per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy during next five days i.e. 14th to 18th, April, 2023. • Weather is very likely to be dry during next five days i.e. 14th to 18th, April, 2023. • Gradual rise in Maximum temperature by 2-4 degrees Celsius over the Vidarbha region during next five days. • No large change in Minimum Temperature over Vidarbha during next 5 days.

General Advisory:

• Considering the possibility of increasing temperature, green shade net should be used to protect summer vegetable crop from heat. Increase the frequency of irrigation at critical growth stages. • 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. • Mulching of newly planted fruit trees of 1 to 4 years of age should be done with farm waste pala pachola or wheat straw etc. Cover small plants with Cotton or Arhar stalk. • 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. • Hast Bahar acid lime fruits should be harvested and graded and sold. • Mix 1 kg of waste decomposer fungi culture for 1 tonne of organic waste by putting compost in the pit without burning the waste from the field.

SMS Advisory:

• Soil samples should be taken for soil testing and sent to authorised or government soil testing laboratory with appropriate charges

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	• Apply light and frequent irrigation to groundnut crop at an interval of 8 to 10 days according to requirement of crop and considering soil type. • Avoid over irrigation/water stagnation to prevent the incidence of root rot. During peg formation to pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation. • For control of rust and tikka (leaf spot), spraying should be done of Tebuconazole 25 % WG 500-750 gm per hectare mix with 500 litre) of water. (10 to 15 gram/10 litre of water. For control thrips, when ETL cross (5 thrips per three leaves), then spraying should be taken of Quinalphos 25 % EC (28 ml/10 liter of water) 1400 ml/hectare in 500 litres of water.

Crop(Varieties)	Crop Specific Advisory
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
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. • 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.
MANDARIN ORANGE	• Considering the rise in temperature continue 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. • 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. • In case of bark eating caterpillar infestation, the affected branches of the frass and feces, injection of 5 to 10ml of Chlorpyrifos# 20 EC solution in to the tunnel and then cover the hole with soaked cotton wad is necessary or cotton wool soaked in kerosene or petrol injected in to the tunnel and then cover the hole with wet clay mud is necessary. • Spraying operation should be done during the clear and calm weather.
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. • 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. • 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 Cyantraniliprole 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 Cyantraniliprole 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 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	• 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.