



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
Central Institute for Cotton Research,
Nagpur



Agromet Advisory Bulletin

Date : 20-05-2022

Weather Forecast of District NAGPUR(Maharashtra) Issued On : 2022-05-20(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-05-21	2022-05-22	2022-05-23	2022-05-24	2022-05-25
Rainfall(mm)	1.2	0.0	0.0	0.0	0.0
Tmax(°C)	39.0	39.0	38.0	37.0	37.0
Tmin(°C)	29.0	29.0	28.0	28.0	27.0
RH-I(%)	63	65	60	58	55
RH-II(%)	51	47	46	45	44
Wind Speed(kmph)	19.0	9.0	7.0	8.0	8.0
Wind Direction(Degree)	244	292	292	292	288
Cloud Cover(Octa)	5	4	2	2	2

Weather Summary/Alert:

• In Nagpur district, 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. 21st to 25th, May, 2022 and light to moderate rainfall very likely to occur at isolated places on 21st, May, 2022 and thunderstorm accompanied with lightning and gusty winds (speed reaching to 35 to 40 kmph) very likely to occur at isolated pockets and weather is very likely to be dry during 22nd to 25th, May, 2022. • As per the extended range forecast system in Vidarbha Sub Division region during 25th to 31st, May, 2022 rainfall will be normal and maximum temperature will be moderately below normal and minimum temperature will be below normal.

General Advisory:

• Considering the gusty winds at isolated places, it is advised to support the fruit orchards and vegetables with bamboo stick. • Considering the medium range forecast for Nagpur district and extended range forecast of Vidarbha sub division it is advised to carry out the harvesting and threshing of matured summer soybean, paddy and other crops. • If threshing is not possible it is advised to cover the harvested produce at safer places. • Land preparation should be done (ploughing, harrowing) across the main slope/parallel to contour line to avoid the soil erosion and in situ moisture conservation. • It is advised to carry out deep ploughing after harvesting of rabi and summer 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. • To prepare kharif vegetable seedlings, sow seeds on raised bed (nursery). Seeds of Chili, Brinjal, and Tomato should be treated with Trichoderma fungicide and seed should be placed at appropriate spacing.

SMS Advisory:

• Considering the medium range forecast for Nagpur district it is advised to carry out the harvesting and threshing of matured summer soybean, paddy & other crops.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	• Harvesting of mature groundnut crops should be done keeping in view the local clear weather conditions.
RICE	• Harvesting of mature Ricecrops should be done keeping in view the local clear weather conditions.
SOYABEAN	• In view of the scarcity of soybean seeds for the coming kharif season, farmers should use household grain as seeds instead of selling them in the market. If household grains are to be used as seeds, the germination capacity of the seeds should be checked.

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.
TOMATO	• If the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-AI (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb. 64% (2.0 g/l) during clear weather condition.
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	• 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-AI* (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
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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.
GOAT	• Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals. Keep the livestock under the shed to protect from heat and lightning.

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.
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.