



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin
Central Institute for Cotton Research,
Nagpur



Agromet Advisory Bulletin

Date : 11-05-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-05-11(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-05-12	2021-05-13	2021-05-14	2021-05-15	2021-05-16
Rainfall	2.2	2.0	1.8	1.4	1.2
Tmax(°C)	38.6	38.8	39.0	38.5	38.3
Tmin(°C)	24.9	24.7	24.4	24.3	24.0
RH-I(%)	65	63	62	60	60
RH-II(%)	46	44	42	39	37
Wind Speed(kmph)	8.0	6.0	6.0	4.0	4.0
Wind Direction(Degree)	170	190	180	160	150
Cloud cover(octa)	5	4	5	4	3

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy to partially cloudy during next five days (12th May, 2021 to 16th May, 2021) as well as light to moderate rainfall at isolated places and thunderstorm accompanied with lightning and gusty winds (speed reaching 30-40 kmph) very likely to occur at isolated places on 12th May, light to moderate rainfall at isolated places and thunderstorm accompanied with lightning very likely to occur at isolated places on 13th May as well as light to moderate rainfall very likely to occur at isolated places on 14th, 15th and 16th May, 2021. As per Extended Range Forecast, during 14th to 20th May, 2021 below normal rainfall in Nagpur district is forecasted.

General Advisory:

Harvest the matured paddy and other crops and store at safe place and cover with tarpaulin. Fruit orchards, vegetable and other vine family crops should be supported with bamboos depending on the stage of crop growth. Animals should be kept away from open water sources, rivers or lakes and tractors and other metal implements.

SMS Advisory:

Farmers are advised to avoid pre monsoon sowing.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Harvesting of mature paddy and other crops should be done keeping in view the local weather conditions during clear and dry days considering the forecast of rainfall, gusty wind and lightning.
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.
COTTON	Farmers are advised to avoid pre monsoon sowing.

Crop(Varieties)	Crop Specific Advisory
RICE	Harvesting of mature paddy crops should be done keeping in view the local weather conditions during clear and dry day considering the forecast of rainfall, gusty wind and lightning.
TOMATO	In the view of present cloudy and rainy weather, if tomato leaf blight was noticed, spraying should be taken of Mancozeb 75 WP 25 gms or Copper oxychloride 50 WP 25 gms mix with in 10 liters of water. For control of thrips and white fly on tomato crop, spraying should be taken of Thimethoxam 25% WG 4 gm or Dimethoate 30% EC in 10 ml per 10 liters of water. For management of tomato fruit borer spraying should be taken quinalphos 25 EC 20 ml in 10 litre of water.
GROUNDNUT	In groundnut, for control of leaf folder or leaf miner, when ETL cross (2 larva per plant or 10 percent leaves are damage), then apply spraying of Quinalphos 25 % EC, 1 litre/hectare mix with 500 litre of water (20 ml/10 litre of water) or Deltamethrin 2.8 % EC, 500 ml per hectare in 400-600 litre of water (10ml/ 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.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	In the view of present cloudy and rainy weather, if the incidence of aphids, thrips, whitefly and spider mites on brinjal crop, spraying should be taken 2 weeks after planting with Dimethoate 30% EC 10 ml or Quinalphos 25% EC 20 ml or thiometon 25% EC 10 ml per 10 liters of water. For management of top shoot and fruit borer spraying should be taken of cypermethrin 25 % EC 30 ml in 10 litre of water.
ORANGE	If the branches of orange orchards are broken due to hail in the district, the branches should be cut off with the help of secateur and then immediately spray with carbendazim 100 gm and 1 kg urea per 100 liters of water.
ORANGE	Apply Bordeaux paste on the tree trunk up to height of 60 cm by paint brush to orange and sweet orange. For preparation of Bordeaux paste dissolve 1 kg copper sulphate in 5 litres of water in a plastic bucket and 1 kg slaked lime in 5 litres of water in separate bucket and leave it overnight. Next day mix them together in another bucket to make a paste. Apply the paste on tree trunk within 12 hours after mixing.
SWEET ORANGE	If the branches of sweetorange orchards are broken due to hail in the district, the branches should be cut off with the help of secateur and then immediately spray with carbendazim 100 gm and 1 kg urea per 100 liters of water.
CHILLI	For control of sap sucking pest on Chilli crops, spray 5 % Neem ark or imidaclopride 17.8 SL 5 ml per 10 lit. of water.
SWEET ORANGE	If citrus trees are showing oozing symptoms of gum, then scrap the area with a sharp knife and apply mefenoxam MZ-68 or fosetyl Al paste on it.
MANGO	For control 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.
ORANGE	In Nagpur mandarin and sweet orange one year old tree should be given 17 litres of water /day/ tree, 5 year old tree need 102 litres / day / tree, 8 years tree require 188 litres / day/ tree and 10 years and above tree require 235 litres water / day/ tree. Give water stress to tree for preparing them for the Mrig bahar in June. If citrus trees are showing oozing symptoms of gum, then scrap the area with a sharp knife and apply mefenoxam MZ-68 or fosetyl Al paste on it.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
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.

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Avoid letting cow, buffalo, goats, sheep, and other animals graze in open spaces as there is a possibility of rain and lightning. Make arrangements to provide feed and water to the cattle at shed.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Farmers and farm labor are to follow precautions and safety measures to be taken to prevent the COVID-19 disease spread. Simple measures include social distancing, maintaining personal hygiene by washing of hands with soap, wearing of face mask, protective clothing and cleaning of implements and machinery. Workers to follow safety measures and social distancing at each and every step in the entire process of field operations. Precautions and safety measures of workers engaged in repair, maintenance and harvesting operation is to be ensured. In case of manual field operations of harvesting/ picking, accomplish the operation in 4-5 feet spaced strips assigning one strip to one person. This will ensure adequate spacing between the engaged labors.
LAND PREPARATION	Cultivation of land (Ploughing, harrowing) should be done parallel to counter line or horizontally along the main slope. Therefore, rain water seeps into the soil and helps to reduce soil erosion.
GENERAL ADVICE	Groundnut, sesame, green gram, and sugarcane should be irrigated at intervals of 6 to 7 days depending on the available soil moisture and crop need.
SOIL TESTING	Soil samples for soil testing should be taken and sent to the nearest Agriculture university, Krishi Vigyan Kendra or other government soil testing laboratory with appropriate soil testing charges.
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.