



Agromet Advisory Bulletin

Date : 24-05-2022

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2022-05-24(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-05-25	2022-05-26	2022-05-27	2022-05-28	2022-05-29
Rainfall	2.4	4.0	4.2	3.7	0.0
Tmax(°C)	41.0	41.0	40.0	39.0	39.0
Tmin(°C)	27.0	27.0	26.0	25.0	26.0
RH-I(%)	57	60	56	59	61
RH-II(%)	46	48	45	47	48
Wind Speed(kmph)	19.0	15.0	13.0	14.0	12.0
Wind Direction(Degree)	314	338	306	301	302
Cloud Cover(Octa)	5	5	6	5	5

Weather Summary/Alert:

• In Katol block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy during next five days i.e. 25th to 29th, May, 2022 and on 25th, May, 2022 light to moderate rainfall very likely to occur and thunderstorm accompanied with lightning and gusty winds with speed 30-40 kmph very likely to occur and light to moderate rainfall and thunderstorm accompanied with lightning very likely to occur on 26th and 27th, May, 2022. Light to moderate rainfall is very likely to occur on 28th, May, 2022. • As per the extended range forecast system in Vidarbha Sub Division region during 29th May to 04th June, May, 2022 rainfall will be above normal and maximum temperature will be moderately below normal and minimum temperature will be below normal.

General Advisory:

• 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, groundnut, paddy and other crops. • If threshing is not possible it is advised to cover the harvested produced at safer places. • Considering the gusty winds at isolated places, it is advised to support the fruit orchards and vegetables with bamboo stick. • 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 rainfall forecast 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
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.

Crop(Varieties)	Crop Specific Advisory
SOYABEAN	• The soybean farmers are requested to use Broad Bed Furrow (BBF) or Ridge & Furrow. This will facilitate managing the crop both in case of waterlogging as well as drought situation. • In order to have stability in yield, farmers are advised to apply deep summer ploughing once in 2-3 years. After this, the field should be prepared using criss-cross harrowing followed by planking. • If deep summer ploughing is performed during last 2-3 years, the field may be prepared using criss-cross harrowing followed by planking. • Apply well decomposed FYM @ 10 t/ha or Poultry Manure @ 2.5 t/ha before the last harrowing. • As per suitability, farmers are advised to run sub-soiler machine at an interval of 10 m which facilitate the breaking of hard soil pan thereby increasing the rain water infiltration. • Select the soybean varieties recommended for your area and ensure the availability of seed. • Carry out germination test of the available seed which should be minimum 70% in order to have optimum plant population. • Ensure availability of other critical inputs like fertilizers, weedicides, fungicides and cultures for seed treatment etc.

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	• 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-Al (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. • 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.
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-Al* (50 g/l) at initiation of disease and second after 30 days from initiation of the disease.

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
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.
LAND PREPARATION	• 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. • 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.
GENERAL ADVICE	• At the time of purchasing seed, farmers are advised to check the detail on tag/label such as, name of crop, crop kind, variety, physical and genetic purity percentage, germination and inert matter percentage, net weight, lot and batch number, date of testing and packing, maximum retail price, moisture percentage etc. • Take the original bill from the seller and ensure that the signature on bill of both seller and seed purchasing farmers.
SOIL TESTING	• Soil samples should be taken for soil testing and sent to authorised or government soil testing laboratory with appropriate charges.