



Agromet Advisory Bulletin

Date : 28-03-2023

Weather Forecast of District NAGPUR(Maharashtra) Issued On : 2023-03-28(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-03-29	2023-03-30	2023-03-31	2023-04-01	2023-04-02
Rainfall(mm)	0.0	0.0	4.4	3.9	2.9
Tmax(°C)	37.3	37.6	36.9	36.3	36.0
Tmin(°C)	20.2	20.3	21.0	20.5	20.2
RH-I(%)	58	59	65	69	66
RH-II(%)	17	18	28	34	30
Wind Speed(kmph)	8.0	7.0	13.0	12.0	6.0
Wind Direction(Degree)	65	186	221	32	162
Cloud Cover(Octa)	2	3	5	5	4

Weather Summary/Alert:

• In Nagpur district, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days i.e. 29th, March, to 02nd, April, 2023. • Light to moderate rainfall very likely to occur at isolated places on 31st, March and 01st, April, 2023. • Very light to light rainfall very likely to occur at isolated places on 02nd, April, 2023. • Weather is very likely to be dry on 29th and 30th, March, 2023. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur at isolated pockets on 31st, March and 01st, April, 2023. • Thunderstorm with lightning likely to occur at isolated pockets on 02nd, April, 2023.

General Advisory:

• Considering the gusty wind forecast, it is advised to carry out essential spraying operation only during clear and calm weather condition. • Considering the rainfall forecast, it is advised to carry out the harvesting and threshing of matured crops immediately. • Care should be taken that harvested and threshed crop produce should not come in contact with rain. • If sufficient manpower is not available for harvesting and threshing work, preference should be given for harvesting through combine harvesters. • If the harvesting is done and the crop is spread in the field, the crop should be covered with a tarpaulin or plastic sheet by collecting it in an elevated place in the field. • Considering the possibility of thunderstorm and lightning, maximum distance between two persons should be maintained while working in the field. • If you hear thunder while working in the field immediately take safer shelter. • Must avoid taking shelter near tree and under tree. • Avoid grazing of livestock viz., sheep, goat, cow, buffalo etc. in open spaces. • Make the arrangements for feeds and water availability in cattle's sheds. • Use Damini - Lightning Alert mobile app to monitor lightning location and also use the information available in the app to protect against lightning. • Damini - Lightning Alert app should be downloaded from Google Play Store using the following link. • https://play.google.com/store/apps/details?id=com.lightning.live.damini&hl=en_IN&gl=US • Avoid intercultural operation in summer groundnut at peg formation stage. Ploughing should be done after harvesting of rabi season crop.

SMS Advisory:

• Considering the rain forecast, it is advised to carry out the harvesting and threshing of matured crops immediately.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	• Ingroundnut undertake need based irrigation. Avoid over irrigation/water stagnation to prevent the incidence of root rot. Intercultural operation should be avoided once the pegs formed. During peg formation to pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation. Give irrigation to Groundnut crop at an interval of 8 to 10 days according to requirement of crop and considering soil type. 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.
BENGAL GRAM/ CHICK PEA	• Considering the rainfall forecast, it is advised to carry out the harvesting and threshing of matured chickpea crop and store the harvested and threshed produce at safer places. If threshing is not possible collect the harvested produce at one place and cover it with the plastic sheet or tarpaulins.
WHEAT	• Considering the rainfall forecast, it is advised to carry out the harvesting and threshing of matured wheat crop and store the harvested and threshed produce at safer places. If threshing is not possible collect the harvested produce at one place and cover it with the plastic sheet or tarpaulins.
MUSTARD	• Considering the rainfall forecast, it is advised to carry out the harvesting and threshing of matured mustard crop and store the harvested and threshed produce at safer places. If threshing is not possible collect the harvested produce at one place and cover it with the plastic sheet or tarpaulins.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ORANGE	Considering the rise in temperature drip irrigation should be given @ 12-53, 78-127, and 145-180 liters per day for trees 1-4, 5-7, 8 years old and above respectively. Follow double ring method of irrigation and irrigate orchard 7 to 10 days. Use mulching in basins. Spray 2, 4D 1.5gm with 1kg urea in 100 liters water to prevent fruit drop in Ambia fruits. Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 35 to 40 degree Celsius.
ORANGE	If there is Phytophthora symptoms on the tree trunk is noticed, then scrap the affected part of the trunk, wash the surface with potassium permanganate solution and apply Mefenoxam MZ-68 paste. Spray Mefenoxam MZ-68 @ 2.50 g/liters or fosetyl Al @ 2.5g/litre fungicide on the tree covering the whole plant canopy. Apply Bordeaux paste on the tree trunk up to height of 60 cm by paint brush. In case of citrus psylla and leaf miner attack, spray dimethoate 1.5 ml or imidacloprid 0.5 ml or quinalphos 2 ml or thiamethoxam 0.3 g in one liter water. Repeat spray after 15 days interval. In case of Lemon butterfly infestation, spray quinalphos 2 ml or Fenvalerate 1 ml in one liter water. Repeat spray after 15 days.
LINSEED	• Carry out harvesting & threshing of matured Linseed and store the harvested produce in safer places. If threshing is not possible collect the harvested produce at one place and cover it with the plastic sheet or tarpaulins.
TOMATO	• Due to continuous cloudy weather 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.
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.
MANDARIN ORANGE	• Spray 2, 4 D 1.5 gm with 1kg urea in 100 liters water to prevent fruit drop in Ambia fruits. • Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 35 to 40 degree Celsius.
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

Horticulture(Varieties)	Horticulture Specific Advisory
	litres of water during clear weather condition.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	<ul style="list-style-type: none"> Offer clean and cold water (stored in earthen pot) to the animals. Those who have cultivated berseem, should be done top dressing of 10 kg N/ha after each cutting to encourage quick growth and high yield. Deworming of livestock should be done by seeking advice of Veterinary practitioner.
COW	<ul style="list-style-type: none"> 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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.
GENERAL ADVICE	<ul style="list-style-type: none"> 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.