



Agromet Advisory Bulletin

Date : 12-04-2024

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2024-04-12(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2024-04-13 | 2024-04-14 | 2024-04-15 | 2024-04-16 | 2024-04-17 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall | 23.6 | 22.5 | 6.4 | 0.0 | 0.0 |
| Tmax(°C) | 30.0 | 34.0 | 36.6 | 37.1 | 38.2 |
| Tmin(°C) | 20.0 | 20.7 | 21.4 | 23.2 | 24.4 |
| RH-I(%) | 85 | 86 | 78 | 76 | 71 |
| RH-II(%) | 49 | 48 | 44 | 41 | 40 |
| Wind Speed(kmph) | 13 | 5 | 3 | 5 | 5 |
| Wind Direction(Degree) | 163 | 134 | 205 | 193 | 108 |
| Cloud Cover(Octa) | 7 | 7 | 6 | 4 | 4 |

Weather Summary/Alert:

- As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days i.e. 13th to 17th, April, 2024. • Light to moderate rainfall likely to occur on 13th and 14th, April, 2024. • Very light to light rainfall is likely to occur on 15th, April, 2024. • Weather is likely to be dry on 16th and 17th, April, 2024. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur on 13th, April, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur on 14th, April, 2024. • Thunderstorm with lightning likely to occur on 15th, April, 2024. • No large change in Maximum temperature for next two days thereafter rise by 3-5 degree Celsius subsequently over the Vidarbha. • No large change in Minimum temperature over the Vidarbha during next 5 days.

General Advisory:

- Considering the rainfall forecast, buyer of agricultural commodities of APMC and Mandis are advised that, do not store the farmer produced at open places to avoid the contact with rain. The farm produce arrival by farmer should be store under shade only to avoid the damaged due to rain. • Considering the gusty winds, rainfall and thunderstorm and lightning forecast, it is advised to postponed the irrigation, agrochemicals spraying and fertilizer application in standing crop for next 2-3 days. • Considering the thunderstorm along with lightning and gusty winds forecast, it is advised to avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces as there is a possibility of rain and lightning. Animals should be kept away from open water sources, rivers or lakes and tractors and metal. • Carry out the harvesting of market ready fruit of tomato, brinjal, mandarin, sweet orange etc., to avoid fruitdropping and deterioration of fruit quality. • Support the horticultural and vegetables crop/plant by giving support of bamboo. • Field should be ploughed after crop harvesting for integrated pest management. • If the soil has not been tested, take a sample using the scientific method and send the samples to the agricultural university, government or official soil testing laboratory and get the soil tested.

SMS Advisory:

- Considering the gusty winds, rainfall and thunderstorm and lightning forecast, it is advised to postponed the irrigation, agrochemicals spraying and fertilizer application in standing crop for next

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GROUNDNUT | • 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 |

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|---------------------------------------------------------------------------------------------------------|
| | 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 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANDARIN ORANGE | 1) The trees may have lost their leaves and injured the branches and trunks due to gusty winds and hailstorm. Due to this, there is a possibility of outbreak of other diseases. Therefore, it is advised to apply Bordeaux on such wounds. 2) Pruning broken branches in gardens with scissors. After that immediately mix 100 grams of carbendazim and 1 kg of urea in 100 liters of water and spray. If some trees are bent or completely fallen due to stormy rain, such trees should be straightened with the help of a tractor by tying a strong rope to the main trunk in the middle of the height after raining and supporting them with bamboo. Mefenoxam 4 % + Mancozeb 64 % should be mixed with 2.5 liters of water and sprayed until the plant is wet. 3) In order to prevent fruit drop and increase fruit size of Ambia bahar orange/Mosambi, 1.5 g 2,4-D + 100 g carbendazim + 1.5 kg urea mixed with 100 liters of water should be sprayed as soon as possible. If there is a recurrence of rain with hail, the above spraying may be repeated. Repeat the above spraying in case of repeated rains with hail. 4) After fifteen days of the above spraying, the second spraying should be done by mixing 1.5 grams of gibberellic acid, 100 grams of carbendazim, 1.5 kg of urea in 100 liters of water. |
| SWEET ORANGE | 1) The trees may have lost their leaves and injured the branches and trunks due to gusty winds and hailstorm. Due to this, there is a possibility of outbreak of other diseases. Therefore, it is advised to apply Bordeaux on such wounds. 2) Pruning broken branches in gardens with scissors. After that immediately mix 100 grams of carbendazim and 1 kg of urea in 100 liters of water and spray. If some trees are bent or completely fallen due to stormy rain, such trees should be straightened with the help of a tractor by tying a strong rope to the main trunk in the middle of the height after raining and supporting them with bamboo. Mefenoxam 4 % + Mancozeb 64 % should be mixed with 2.5 liters of water and sprayed until the plant is wet. 3) In order to prevent fruit drop and increase fruit size of Ambia bahar orange/Mosambi, 1.5 g 2,4-D + 100 g carbendazim + 1.5 kg urea mixed with 100 liters of water should be sprayed as soon as possible. If there is a recurrence of rain with hail, the above spraying may be repeated. Repeat the above spraying in case of repeated rains with hail. 4) After fifteen days of the above spraying, the second spraying should be done by mixing 1.5 grams of gibberellic acid, 100 grams of carbendazim, 1.5 kg of urea in 100 liters of water. |
| CABBAGE | <ul style="list-style-type: none"> 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. |
| TOMATO | <ul style="list-style-type: none"> Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits and support the plant with bamboo. 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 | <ul style="list-style-type: none"> 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. |
| WATER MELON | <ul style="list-style-type: none"> Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits. |

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| MUSKMELON | <ul style="list-style-type: none"> Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
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| 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"> Considering the thunderstorm along with lightning and gusty winds forecast, it is advised to avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces as there is a possibility of rain and lightning. Animals should be kept away from open water sources, rivers or lakes and tractors and metal. • 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"> 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. |

