



Agromet Advisory Bulletin

Date : 07-05-2024

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2024-05-07(Valid Till 08:30 IST of the next 5 days)

| Parameter | 2024-05-08 | 2024-05-09 | 2024-05-10 | 2024-05-11 | 2024-05-12 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall | 5.3 | 21.5 | 5.5 | 2.2 | 2.5 |
| Tmax(°C) | 41.0 | 40.0 | 40.4 | 40.2 | 40.7 |
| Tmin(°C) | 24.6 | 24.3 | 23.0 | 23.2 | 23.4 |
| RH-I(%) | 59 | 68 | 66 | 63 | 64 |
| RH-II(%) | 31 | 40 | 36 | 34 | 33 |
| Wind Speed(kmph) | 5 | 6 | 7 | 7 | 7 |
| Wind Direction(Degree) | 175 | 197 | 217 | 169 | 211 |
| Cloud Cover(Octa) | 5 | 7 | 5 | 4 | 4 |

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be partly to mostly cloudy during next five days i.e. 08th to 12th, May, 2024. • Very light to light/moderate rainfall is likely to occur at isolated places on 08th, 09th, 10th, 11th and 12th, May, 2024. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur on 08th, 09th and 10th, May, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur on 11th and 12th, May, 2024. • Gradual fall in maximum temperature by 2-3 Degree Celsius during next 5 days thereafter no large change over Vidarbha. • No large change in Minimum temperature over the Vidarbha during next 5 days.

General Advisory:

• Harvested and threshed agricultural produce should be stored in a safe place keeping in mind the forecast of rain. Care should be taken to ensure that crops like harvested summer mung, turmeric left for drying in the open, do not come in contact with rain. Cover the crops with plastic sheet or tarpaulin. • In view of the forecast of rain, the work of spraying agricultural chemicals and fertilizing in standing crop should be postponed for the next 3 days. • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when gusty winds and thunder are predicted. Animals should be kept away from open water sources, rivers or lakes and away from tractors and other metal implements. Sufficient fodder and water should be arranged for the animals in the manger. • Farmers and farm labourers should take care of themselves and livestock keeping in mind the forecast of lightning. Sheltering under trees should be strictly avoided and livestock should also be sheltered under trees. • Agricultural produce market committee and private agricultural produce purchase holders should store the agricultural produce brought by the farmers for purchase in the shed instead of in the open. • Marketable vegetables and fruits should be harvested and sold keeping in mind the forecast of stormy wind and hailstorm. Orchards should be supported with 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. • Sugarcane, summer groundnut, sesame and green gram should be irrigated at intervals of 6 to 7 days keeping in view the available soil moisture and crop requirements. Green shade net should be used to protect summer vegetable crop from heat.

SMS Advisory:

• Agricultural produce market committee and private agricultural produce purchase holders should store the agricultural produce brought by the farmers for purchase in the shed instead of in the open.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|---|
| GROUNDNUT | <ul style="list-style-type: none"> • During pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation. • In case of infestation of leaf-eating caterpillar on groundnut crop is noticed and crossing ETL, spraying should be done of with Flubendiamide 20% WG 6 gm per 10 liters of water during clear weather condition. • 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. |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| MANDARIN ORANGE | <ul style="list-style-type: none"> • Marketable fruits should be harvested and sold keeping in mind the forecast of gusty wind, hailstorm and rain and supporting the fruit trees with the help of bamboo. • 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 help Water stress conditions often aggravate mite problem during these periods. Trees should be well irrigated, particularly during the stress in late summer. • Foliar application of Dicofol 18.5 EC @ 27ml or Propargite* 57 EC @ 20 ml or Ethion* 50 EC @ 20ml in 10 litre waters twice at 15 days' interval is necessary immediately during summer at water stress period. • To check the blackfly infestation during April, foliar application of Imidacloprid# 17.8 SL @ 5 ml or Dimethoate# 30 EC @ 20 ml per 10litre of water at 15 days' interval on the lower sides of leaves covering the entire tree canopy coinciding with adult emergence and 50% egg hatching necessary effectively to check the pest. s in reducing fruit crop. • 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. • 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. |
| ACID LIME | <ul style="list-style-type: none"> • 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. |
| 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"> • 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 |

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| | per 10 lit. of water. • In chilli, if thrips, fruit borer and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantranilprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition. |
| WATER MELON | • Carry out harvesting of market ready fruits. |
| MUSKMELON | • Carry out harvesting of market ready fruits. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|---|
| BUFFALO | • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when gusty winds and thunder are predicted. Animals should be kept away from open water sources, rivers or lakes and away from tractors and other metal implements. Sufficient fodder and water should be arranged for the animals in the manger. • 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 | • 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. |
| COW | • Dairy cows should be given 8 kg dry fodder and 6 kg green fodder and 1 kg feed. Maize, sorghum, millet, wheat bran should be used in mixing in preparation diet. Add 20 gms per kg of mineral mixture in the diet. |

Poultry Specific Advisory:

| Poultry(Varieties) | Poultry Specific Advisory |
|--------------------|---|
| BIRD | • 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 |
|--|---|
| SOIL TESTING | • It is advised to carry out deep ploughing after harvesting of rabbi 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. |