



Gramin Krishi Mausam Sew

Experimental Block Level Agromet Advisory Bulletin
(A Joint Initiative of IMD & ICAR)



Agromet Advisory Bulletin

Date : 16-04-2024

Weather Forecast of KATOL Block in NAGPUR(Maharashtra) Issued On :2024-04-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-04-17	2024-04-18	2024-04-19	2024-04-20	2024-04-21
Rainfall	5.8	0.0	0.0	4.5	5.3
Tmax(°C)	38.6	39.3	40.1	40.6	40.8
Tmin(°C)	24.5	23.6	24.0	23.6	24.8
RH-I(%)	64	61	60	64	67
RH-II(%)	38	35	31	34	35
Wind Speed(kmph)	6	5	3	5	5
Wind Direction(Degree)	228	192	259	221	261
Cloud Cover(Octa)	5	3	3	5	5

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy during next five days i.e. 16th to 20th, April, 2024. • Very light to light rainfall is very likely to occur at isolated places on 17th, 20th and 21st, April, 2024. • Weather is very likely to be dry on 18th and 19th, April, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur at isolated pockets on 17th and 21st, April, 2024. • Rise in Maximum temperature by 2-3 degreeCelsius for next three days thereafter no large change over the Vidarbha. • No large change in Minimum temperature over the Vidarbha during next 5 days.

General Advisory:

• It is advised to continue the agrochemicals spraying and fertilizer application in standing crop for next 2-3 days. Ensure clear and calm weather for agrochemicals spraying. • It is advised to avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces on the days of warning of thunderstorm accompanied 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 fruit dropping and deterioration of fruit quality due to rainfall and gusty winds. • Keeping in the view of gusty wind forecast, it is advised to support the horticultural and vegetables crop/plant by giving support of bamboo. • 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. • 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:

• Field should be ploughed after crop harvesting for integrated pest management.

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.
ACID LIME	• As per the need of the crop and the available soil moisture status irrigation should be given only if need, In acid lime 1 to 4 year tree should be given 11 to 27 litres water per day per tree, 5 to 7 year tree be given 34 to 53 litres water per day per tree, 8 to 10 years tree be given 65 to 100 litres water per day per tree.
CABBAGE	• 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	• 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	• 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

Horticulture(Varieties)	Horticulture Specific Advisory
	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	• Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits.
MUSKMELON	• 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
BUFFALO	• 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	• It is advised to avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces on the days of warning of thunderstorm accompanied 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	• 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.