



Agromet Advisory Bulletin

Date : 10-05-2022

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2022-05-10(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-05-11	2022-05-12	2022-05-13	2022-05-14	2022-05-15
Rainfall	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	45.0	44.0	44.0	43.0	43.0
Tmin(°C)	27.0	26.0	27.0	27.0	27.0
RH-I(%)	46	49	47	45	42
RH-II(%)	24	28	27	24	23
Wind Speed(kmph)	8.0	10.0	8.0	9.0	11.0
Wind Direction(Degree)	98	64	166	310	305
Cloud Cover(Octa)	4	4	5	4	3

Weather Summary/Alert:

• In Umred block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy and weather is very likely to be dry during next five days i.e. 11th to 15th, May, 2022 and heat wave condition very likely to occur on 11th, May, 2022. • As per the extended range forecast system in Vidarbha Sub Division during 15th to 21st May, 2022 rainfall will be above normal and maximum and minimum temperature will be normal.

General Advisory:

• Considering the extended range forecast of vidarbha sub division it is advised to carry out the harvesting and threshing of matured summer soybean, paddy and other crops. • Land preparation should be done (ploughing, harrowing) across the main slop/parallel to counter line to avoid the soil erosion and in situ moisture conservation. • 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. • Wheat stalks should not be burnt, it should be buried in the soil with the help of plough or rotavator. • 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. • Considering the temperature forecast need base light and frequent irrigation should be apply to fruit orchards, vegetables and summer field crops. • Measures should be taken to protect livestock from rising temperatures. Provide cold and clean water to the animals. Avoid working with bulls and livestock between 11 am and 4 pm.

SMS Advisory:

• Considering the extended range forecast of vidarbha sub division it is advised to carry out the harvesting and threshing of matured summer soybean, paddy and other crops.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	• 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 liter of water during clear weather condition.
RICE	• Considering the ERFS, harvesting of mature paddy should be done and store at safer places.

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 Cyantranilprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition.
CHILLI	In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantranilprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition.
CABBAGE	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.
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	- 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 water twice at 15 days' interval is necessary immediately during summer at water stress period.
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-A1* (50 g/l) at initiation of disease and second after 30 days from initiation of the disease.
MANDARIN ORANGE	- If orchard is more than 6 year aged, 150 to 240 litre water per days per tree is required. Mulching of soil with paddy straw or locally available organic or inorganic (Black polythene) material essential to prevent excess evaporation. - Mulching helps in maintaining soil moisture for long period. 2 per cent Kaolin spray to reduce the transpiration. Application of copper oxychloride 50 WP @ 25 gram per 10 litre of water for controlling fruit let blight infection.
ACID LIME	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.

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.
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.