



## Agromet Advisory Bulletin

Date : 30-07-2024

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

Parameter	2024-07-31	2024-08-01	2024-08-02	2024-08-03	2024-08-04
Rainfall	18.3	22.4	16.5	40.5	34.7
Tmax(°C)	30.3	31.0	23.8	23.6	21.7
Tmin(°C)	24.4	24.0	23.2	22.5	20.7
RH-I(%)	86	88	90	91	92
RH-II(%)	61	61	85	83	89
Wind Speed(kmph)	18	20	20	25	25
Wind Direction(Degree)	257	288	257	252	243
Cloud Cover(Octa)	8	8	8	8	8

### Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be mainly cloudy during next five days i.e. 31st July to 04th August, 2024.. • Light to moderate rainfall likely to occur on 31st July and 01st, 02nd and 03rd, 04th August, 2024 • Thunderstorm with lightning likely to occur on 31st July and 01st, 02nd and 03rd, 04th August, 2024. • As per the Sub Division wise Extended Range Rainfall Forecast, normal rainfall is expected, and maximum and minimum temperature is likely to be normal over Vidarbha during 04th August to 10th August, 2024.

### General Advisory:

• It is advised to open the field channels to avoid surface ponding, in cotton, soybean, green gram, black gram, pigeon pea, Nagpur mandarin, sweet orange, acid lime, other seasonal crop, fruit and vegetables. • Intercultural operation should be carried out after current spell of rain and at Wafsa condition. • It is advised to carry out the agrochemical application and fertilizer application in standing crops after 2-3 days and after arrival of Wafsa condition. • Farmers, farm laborers should not rush to cross the road if water is flowing from the river & nala and also take care that their other animals do not pass through the flowing water. • Considering the thunderstorm and lightning 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. • Considering the thunderstorm and lightning forecast it is advised to carry out farm operations during early morning hours. Carry out farm operations by considering the local weather forecast and warnings. Take shelter at safe places, it is ensuring to keep maximum distance between two farm labour while working in the field. Avoid shelter near to water bodies (Lake, Well, River and Moist places) tractors and metal implements. Avoid taking shelter under a tree in any situation as the lightning attracts on tallest object. • Farmers are advised to monitor the crop regularly for insect incidence, disease occurrence and use the suitable recommended control measures thereof in the initial stage itself.

### SMS Advisory:

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### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. Spray post-emergence herbicide, Pyriithiobac Sodium 10 % EC @12.5 to 15 ml/10 litre of water for broad leaf weed control or Quizalofop ethyl 5 % EC @15ml/10 litre of water to manage grassy weeds in cotton at adequate

Crop(Varieties)	Crop Specific Advisory
	soil moisture and calm and clear weather condition after current spell of rain. • Spray post-emergence herbicide, Pyriithiobac sodium 6% EC + Quizalofop Ethyl 4% EC spray @20-25 ml/10 litres of water for broad spectrum weed control at adequate soil moisture and calm and clear weather condition after current spell of rain. • Timely hoeing and weeding operations should be done preferably during early morning hours. For effective weed management, application of herbicide should be done at 2 to 3 leaves stage of weed.
SOYABEAN	• For spraying the herbicides, it is advised to use sufficient quantity of water (125 liter/ha for using power sprayer or 450 litre/ha using a knapsack sprayer). • Use of flood jet/flat fan nozzle is recommended while using herbicides. • Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • Farmers are advised to conduct surveillance of their crop at regular intervals and • apply the spray of Tebuconazole 25.9 EC (625 ml/ha) or Tebuconazole 10%+Sulphur 65% WG (1250 g/ha) immediately after the symptoms are seen during calm and clear weather condition.
RICE	• Transplant paddy seedlings that are 21 to 25 days old. • Marigold and Cowpea crops should be planted on paddy bunds for breeding of beneficial insects. • Nursery: - For management of Stem borer and Gall midge apply Carbofuran 3% granular 25 kg per hectare (Carbofuran 3% granular 250 gm per 100 square meter nursery) should be applied in the nursery 5 days before transplanting. • Paddy nursery should be kept free from weeds. • The tops of the seedlings should be cut off and stored in bamboo baskets so that the eggs of the Stem borer on the seedlings are destroyed and parasitic insects come out of them. • Seedlings should be planted in a strip system at the recommended spacing (20 x 15 or 20 x 20 cm) to manage the Leafhoppers. (Leave 30 cm space after 10 lines or 2 meter). • Chemical Fertilizers: - Agriculture is profitable if the soil is tested and proper quantity of chemical fertilizers are used. Generally, apply 100 kg Nitrogen, 50 kg Phosphorus and 50 kg Potash per hectare. Apply whole phosphorus and potash and half the amount of nitrogen in the mud (Puddled field) and the remaining half nitrogen in two equal installments (usually tillering stage which comes at 30 days and panicle initiation stage which comes about 60 days)
PIGEON PEA (RED GRAM/ARHAR)	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • For management of weeds and to improve the soil aeration it is advise to carry out intercultural operations (weeding/hoeing) during clear weather and Wafsa condition.
GREEN GRAM	• Avoid sowing of greengram as sole crop. Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • For management of weeds and to improve the soil aeration it is advise to carry out intercultural operations (weeding/hoeing) during clear weather and Wafsa condition.
BLACK GRAM	• Avoid sowing of blackgram as sole crop. Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • For management of weeds and to improve the soil aeration it is advise to carry out intercultural operations (weeding/hoeing) during clear weather and Wafsa condition.

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • Transplant chilli seedling of 4 to 6 week age old at adequate soil moisture condition. • Before transplanting of chilli seedlings, the apical shoot tip of seedlings should be dip in the solution of dimethoate 30 EC 10 ml + Sulphur 80 WDG 3 grams + Mancozeb 75 % WP 2.5 grams in one liter of water. • For management of weeds and to improve the soil aeration it is advise to carry out intercultural operations (weeding/hoeing) during clear weather and Wafsa condition.
MANDARIN ORANGE	• Avoid water stagnation near the tree trunk. If need drain out excess rain water from the orchard through the drainage channels prepared earlier. Remove water shoots from the plant and all shoots below the bud union of the graft. Intercrops such as urad, moong, soybean, groundnut etc. can be grown in between the interspaces of the plants. For green manuring sow seeds of dhaincha or sunhemp @ 40 kg per hectare. • By ensuring adequate soil moisture and Wafsa condition, start planting citrus plants in the filled pits by keeping the bud joint portion 20 to 25 cm above the ground level. Before planting in pits the naked bud grafts roots should be dipped in solution of 2.5

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	gms i.e., mefenoxam MZ-68 and 1 gm i.e. carbendazim in one liter water for 10-15 minutes.
BRINJAL	<ul style="list-style-type: none"> <li>• Transplant brinjalseedling of 4 to 6 week age old at adequate soil moisture condition.</li> <li>• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary.</li> <li>• For management of weeds and to improve the soil aeration it is advise to carry out intercultural operations (weeding/hoeing) during clear weather and Wafsa condition.</li> </ul>
TOMATO	<ul style="list-style-type: none"> <li>• Transplant tomatoseedling of 4 to 6 week age old at adequate soil moisture condition.</li> <li>• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary.</li> <li>• For management of weeds and to improve the soil aeration it is advise to carry out intercultural operations (weeding/hoeing) during clear weather and Wafsa condition.</li> </ul>

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Prevent the animal's exposure to direct rainfall for longer period.</li> <li>• The floor of the animal shed should be kept dry and clean.</li> <li>• The feed and fodder should be stored properly to prevent the growth of moulds.</li> <li>• Maintain the surrounding of animal shed clean and hygienic and remove the unwanted vegetation nearby the sheds. Protect young animals from excessive consumption of newly grown green vegetation.</li> </ul>
GOAT	<ul style="list-style-type: none"> <li>• Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals.</li> </ul>

#### Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	<ul style="list-style-type: none"> <li>• Provide nutritious feed and fresh, clean and cold water to the birds.</li> </ul>

#### Others (Soil / Land Preparation) Specific Advisory:

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GENERAL ADVICE	<ul style="list-style-type: none"> <li>• Read the label carefully when buying and spraying herbicides. Do not spray herbicides in cloudy and rainy weather. Pre-sowing herbicide apply, when there is no wind and sufficient moisture in the soil, before germination of the seed. Use clean water for spraying and avoid spraying after germination in hot sun. The herbicide should be used carefully. Rinse (clean wash) the spray pump before spraying. Do not spray in cloudy weather. Different non-recommended herbicides should not be mixed for application. Ensured that sufficient moisture in soil before application of herbicides.</li> </ul>
GENERAL ADVICE	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>
GENERAL ADVICE	<ul style="list-style-type: none"> <li>• 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.*Based on a research trial that was not included in the CIBRC label claim. # Under label claim.</li> </ul>