



Agromet Advisory Bulletin

Date : 16-07-2024

Weather Forecast of **HINGNA** Block in **NAGPUR**(Maharashtra) Issued On :2024-07-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-07-17	2024-07-18	2024-07-19	2024-07-20	2024-07-21
Rainfall	13.9	18.5	21.8	22.9	6.1
Tmax(°C)	33.1	33.4	33.2	33.5	34.7
Tmin(°C)	25.9	25.1	24.4	24.3	26.1
RH-I(%)	83	85	83	85	82
RH-II(%)	55	58	65	60	60
Wind Speed(kmph)	6	12	21	20	14
Wind Direction(Degree)	117	225	291	293	283
Cloud Cover(Octa)	7	7	8	8	8

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be mainly cloudy during next five days i.e. 17th to 21st, July, 2024. • Light to moderate rainfall likely to occur on 17th, 18th, 19th, 20th and 21st, July, 2024. • Thunderstorm with lightning likely to occur on, 17th, 18th, 19th, 20th and 21st, July, 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 21st, July to 27th, July, 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 done after current spell of rain and at Wafsa condition. • Considering the possibility of widespread rainfall for next 5 days, intercultural operations, application of agrochemicals and fertilizer application in standing crops should be postponed till clear and calm weather. • 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. • Post emergence herbicide application should be done only at adequate soil moisture and during the calm and clear weather condition. Do not mix herbicide in each other, use only pre-mix herbicides for safe and efficient weed management. • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when thunder is 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 also livestock should not shelter under trees. • 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:

• Drain out excess rainwater stagnated from crop fields wherever necessary.

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

Crop(Varieties)	Crop Specific Advisory
	at adequate soil moisture condition. • 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 by judging local clear weather condition. • 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.
RICE	• As per the weather forecast, Farmers are advised to 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. • Marigold should be planted as a trap crop on paddy bunds. • 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. • Transplanting should be done between 2nd to 20th July in Gall midge prone areas to reduce the incidence. • Seedlings should be planted in a strip (Alleyways) 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).
SOYABEAN	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • Recommended Post emergence (15-20 Days After Sowing) pre-mix herbicide for soybean crop: Post emergence weed management through herbicides in soybean crop any one of the following herbicides viz., Fluazifop-p-butyl + Fomesafen SL @ 1 litre per hectare mix with 500 litre of water per hectare. OR Imazethapyr 35 + Imazamox 35 WG @ 100 g per hectare mix with 375 to 500 litre of water per hectare. OR Propaquizafop 2.5 % + Imazethapyr 3.75 % ME @ 2.0 litre per hectare mix with 500 litre of water per hectare. OR Sodium Aceflurofen 16.5 + Clodinafop Propargyl 18 EC @ 1.0 litre per hectare mix with 500 litre of water per hectare. OR Fomesafen 12 + Quizalofop ethyl 3 % SC @ 1.5 litre per hectare mix with 500 litre of water per hectare. OR Quizalofop Ethyl 10 % EC + Chlorimuron Ethyl 25 % WP + Surfactant (0.2) (Herbicide) (Twin pack) @ 375 ml+36g+0.2% per hectare mix with 300 litre of water per hectare should be used only when there is sufficient moisture and adequate sunlight and considering the type of weeds in the field. • Carefully use the label claim of the and follow the instructions carefully.
PIGEON PEA (RED GRAM/ARHAR)	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary.
MAIZE	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • 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 gms i.e., mefenoxam MZ-68 and 1 gm i.e. carbendazim in one liter water for 10-15 minutes. • Avoid water stagnation near the tree trunk. 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 sun hemp @ 40 kg per hectare. • Incidence of citrus psylla, aphids, and leaf miner is common on new flush. Foliar application of Dimethoate# 30 EC @ 20 ml or Thiamethoxam# 25 WG @ 3 g or Imidacloprid# 17.8 SL @ 5 ml or Diafenthiuron# 50 WP for mites @ 20 gm /10 litre water in flushing season by directing the spray at the new flush stage checks the pest during clear weather

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	condition. If required, second spray of any of the above insecticides should be given after 15 days.
CHILLI	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary. • Transplant chilli seedling of 6 to 8 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.
BRINJAL	• Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary.
TOMATO	• Transplant tomato seedling of 6 to 8 week age old at adequate soil moisture condition. • Open the field channels to avoid the surface ponding and drain out excess water from field wherever necessary.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	• 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. • Prevent the animal's exposure to direct rainfall for longer period. • The floor of the animal shed should be kept dry and clean. • The feed and fodder should be stored properly to prevent the growth of moulds. • 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.
GOAT	• Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	• Provide nutritious feed and fresh, clean and cold water to the birds.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	• 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. Ensure that sufficient moisture in soil before application of herbicides.