



Agromet Advisory Bulletin

Date : 12-07-2024

Weather Forecast of **KATOL** Block in **NAGPUR**(Maharashtra) Issued On :2024-07-12(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-07-13	2024-07-14	2024-07-15	2024-07-16	2024-07-17
Rainfall	22.6	23.2	40.3	53.3	37.7
Tmax(°C)	34.3	33.0	32.4	31.0	31.1
Tmin(°C)	26.0	25.4	25.3	25.2	24.5
RH-I(%)	85	88	86	87	87
RH-II(%)	60	63	64	63	56
Wind Speed(kmph)	19	18	13	10	10
Wind Direction(Degree)	285	290	295	317	295
Cloud Cover(Octa)	8	7	7	7	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. 13th to 17th, July, 2024.
- Very light to light/moderate rainfall likely to occur on 13th, 14th, 15th, 16th and 17th, July, 2024.
- Thunderstorm with lightning likely to occur on, 13th, 14th, 15th, 16th and 17th, July, 2024.
- As per the Sub Division wise Extended Range Rainfall Forecast, above normal rainfall is expected, however maximum and minimum temperature is likely to be normal over Vidarbha during 17th, July to 23rd, July, 2024.

General Advisory:

- Considering the possibility of widespread rainfall after 48 hours, application of agrochemicals and fertilizer application in standing crops should be completed during next 24 to 48 hours during local clear and calm weather condition and postpone thereafter.
- Interculture operations like, hand weeding, weeding, hoeing etc. should be done during local clear and calm weather condition for next 2 days.
- 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.

SMS Advisory:

- Interculture operations like, hand weeding, weeding, hoeing etc. should be done during local clear and calm weather conditions.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	<ul style="list-style-type: none"> • Where sowing of cotton has already done, farmers are advised to take up gap filling in cotton wherever gaps are observed. • 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 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

Crop(Varieties)	Crop Specific Advisory
	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	• Post-Emergence: - Bispyribac sodium 20% + Pyrozosulfuron ethyl 15 % WGD 35% @ 02 gm in 10 liters of water after 10 to 12 days after sowing or Metsulfuron methyl 10% + Chlorimuron ethyl 10% WP 20 % @0.7 gm in 10 liters of water after 20 to 25 days after sowing.
SOYABEAN	• In case of delayed sowing, farmers are advised to give preference for cultivation of short duration soybean varieties (JS 20-34, NRC 130, NRC 131, NRC 138, NRC-150, NRC-181, NRC-157, NRC-165 etc). • Farmers who are yet to complete the sowing of soybean crop are advised to do so by reducing the row spacing of 30cm and increasing the seed rate to 90-100 kg/ha. • Recommended Post emergence (15-20 Days After Sowing) herbicide for soybean crop: Post emergence weed management through herbicides in soybean crop any one of the following herbicides viz., Imazethapyr 10 SL @ 1.00 litre per hectare mix with 500 to 600 litre of water per hectareORImazethapyr 70 % WG + Surfactant @ 100 g per hectare mix with 500 litre of water per hectareORQuizalofop-ethyl 5 EC @ 0.75-1.00 litre per hectare mix with 500 to 600 litre of water per hectareORQuizalofop-p-ethyl 10 EC @ 375-450 ml litre per hectare mix with 300 to 500 litre of water per hectareORFenoxaprop-p-ethyl 9.3 EC @ 1.11 litre per hectare mix with 250 to 300 litre of water per hectare ORQuizalofop -p-tefuryl 4.41 EC @ 0.75-1.00 litre per hectare mix with 400 litre of water per hectare ORFluazifop-p-butyl 13.4 % EC @ 1 -2 litre per hectare mix with 500 litre of water per hectare ORHaloxyp R Methyl 10.5 EC @ 1-1.25 litre per hectare mix with 500 litre of water per hectare ORPropaquizafop 10 EC @ 0.5-0.75 litre per hectare mix with 500 to 750 litre of water per hectareORFluthiacet methyl 10.3 EC @ 125 ml per hectare mix with 500 litre of water per hectareORClethodim 25 EC @ 0.5-0.75 litre per hectare mix with 500 to 750 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.
SOYABEAN	• 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 Acefloufen 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)	• In pigeonpea, timely hoeing and weeding operations should be done preferably during early morning hours at Wafsa situation.
MAIZE	• In maize, timely hoeing and weeding operations should be done preferably during early morning hours at Wafsa situation.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	• 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 Diafenthuron# 50 WP for mites @ 20 gm

Horticulture(Varieties)	Horticulture Specific Advisory
	/10 litre water in flushing season by directing the spray at the new flush stage checks the pest during clear weather condition. If required, second spray of any of the above insecticides should be given after 15 days.
CHILLI	<ul style="list-style-type: none"> • 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.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.