



Agromet Advisory Bulletin

Date : 24-11-2023

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2023-11-24(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-11-25	2023-11-26	2023-11-27	2023-11-28	2023-11-29
Rainfall	0.0	0.0	8.6	17.2	21.2
Tmax(°C)	30.7	29.8	28.3	27.3	26.7
Tmin(°C)	17.4	18.4	18.9	18.4	17.1
RH-I(%)	71	71	68	71	76
RH-II(%)	51	51	46	46	51
Wind Speed(kmph)	2	3	9	11	13
Wind Direction(Degree)	103	98	103	108	103
Cloud Cover(Octa)	3	4	6	7	5

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy during next five days i.e.,25th to 29th, November, 2023. • Weather is likely to be dry on 25th and 26th, November, 2023. • Very light to light rainfall is likely to occur on 27th, November, 2023. • Light to moderate rainfall is likely to occur on 28th and 29th, November, 2023. • No large change in maximum and minimum temperature over Vidarbha during next 4-5 days.

General Advisory:

• Considering the rainfall forecast, it is advised to give the priority to complete the agrochemical spraying operations, intercultural operations and fertilizer application in standing crops during next 2 days. • Considering medium range rainfall forecast, it is advised to complete the harvesting and threshing of matured paddy and others crop, harvesting of market ready fruit and vegetables and picking of burst cotton during next 2 days. • Store the harvested produce of paddy crop at elevated field and cover it with plastic sheet or tarpaulin. • It is advice that in areas where the cotton crop is ready for picking give priority for clean picking of cotton. Keep the picked cotton, variety wise. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint. Cotton should be picked cleanly and stored in a dry place. • 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 labours 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. • At APMC and Mandis buyer of agricultural commodities 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.

SMS Advisory:

• Considering medium range rainfall forecast, it is advised to complete the harvesting and threshing of matured paddy and others crop, harvesting of market ready fruit and vegetables and picking of burs

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	• Considering the rainfall forecast, it is advised to harvest the matured crop and stored the harvested produced at dry and safer places. • Store the harvested produce of paddy crop at elevated field and cover it with plastic sheet or tarpaulin.
PIGEON PEA (RED GRAM/ARHAR)	• Considering the rainfall forecast, postpone the irrigation operation for next 2-3 days. • If there is Heliothis infestation on the pigeon pea crop at the bud and flower stage, spray 5 percent neem extract.
MUSTARD	• Considering the rainfall forecast, postpone the irrigation operation for next 2-3 days. • 2 hand weeding and hoeing should be given at 20 and 40 days after sowing.
WHEAT	• Considering the rainfall forecast, postpone the irrigation operation for next 2-3 days. • For late sowing of irrigated wheat 150 kg seed per hectare should be used for sowing. For coarse seed varieties like HD 2189 or Purna of wheat crop, 125 kg seed per hectare should be used. Apply 80 kg N, 40 kg P and 40 kg K per hectare for late sowing wheat. For both irrigated and late sowing, apply half dose of nitrogen as well as full phosphorus and potash at the time of sowing and the remaining half dose at the time of first irrigation (18 to 20 days after sowing).
COTTON	• It is advice that in areas where the cotton crop is ready for picking give priority for clean picking of cotton. Keep the picked cotton, variety wise. Use cotton bags

Crop(Varieties)	Crop Specific Advisory
	instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint. Cotton should be picked cleanly and stored in a dry place. • Cotton should be picked cleanly and stored in a dry place. • Farmers are advised to inspect the presence and damage of pink bollworm by plucking 20 green bolls from different plants randomly (one boll per plant). If ETL crossed i.e. >10% damaged flowers (Rosette flowers) or 10% damaged green bolls (at least two out of 20 bolls having white or pink larvae or exit holes) and or 8 moths catch per pheromone trap for consecutive 3 days, spray Profenofos 50 EC @ 30 ml/10L (1500 ml/ha) Or Emamectin benzoate 5 SG @ 5g/10L (250 g/ha) Or Indoxacarb 14.5 SC @10ml/10L (500ml/ha) Or Chlorpyrifos 20 % EC @ 25ml/10L (1250 ml/ha) by judging the local calm and clear weather condition.
COTTON	• If the incidence of internal boll rot/bacterial boll rot is noticed in cotton at squaring, flowering and boll development stage, for management it is advised to collect and destroy the dried petals sticking to the developing bolls should be removed. Avoid indiscriminate use of nitrogenous fertilizers. Restrict excess vegetative growth of the cotton crop. Facilitate proper drainage in the field to avoid water logging in the field. A prophylactic spray of Copper Oxychloride 50 WP @ 25g/10 L is suggested during early boll developmental stages at 15 days interval. Manage sucking pests with spray of recommended insecticides. • If the incidence Target leaf spot, Alternaria leaf spot, Myrothecium leaf spot, External fungal boll rot was noticed in cotton crop, it is advised to take the prophylactic spray of Propineb 70 WP@25-30 g Or Azoxystrobin 18.2%w/w + Difenoconazole 11.4% w/w SC@ 10 ml Or Fluxapyroxad 167 g/l + Pyraclostrobin333 g/l SC@ 6g Or Carbendazim 50 WP@20 gm Or Propiconazole 25 EC @10 ml Or Pyraclostrobin 5% + Metiram 55% WG @20 g per 10 litres water. • For management of grey mildew disease, Spaying should be taken with Kresoxim-methyl 44.3% SC @1ml Or Azoxystrobin 18.2%w/w + Difenoconazole 11.4% w/w SC@ 10 ml Or Propineb 70 WP@25-30 g Or Carbendazim 50 WP@20gm Or Propiconazole 25 EC @10 ml Or Pyraclostrobin 5% + Metiram 55% WG fungicide @20 g Or Fluxapyroxad 167 g/l + Pyraclostrobin333 g/l SC@ 6 g per 10 litres of water.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ONION	• Sow 8 to 10 kg of onion seeds per hectare on raised bed. For onion cultivation, white onion varieties: Akola White, Phule White, Yashoda, Bhima Shweta and Pusa White Round and Red onion varieties: Pusa Red, N 2-4-1, Niphad- 53 and Baswant 780 should be selected.
MANDARIN ORANGE	• Marketable fruits should be harvested and sold keeping in mind the rain forecast. • Harvest the fruits of Ambia bahar. If delay is anticipated in harvesting of Ambia fruits two sprays of gibberellic acid 15 ppm + urea 1% may be carried at 15 days interval. Uproot and destroy all weeds. Loosen the soil in the tree basin. Apply 108 gms urea and 45 gms muriate of potash per tree to one year old tree. For two-year-old trees apply double the dose, three times for 3 year and 4 times for 4-year-old trees and above. Every care should take to keep the soil moist during fertilizer application in order to save the loss of fertilizer inputs. For bearing orchard application of 500 gm urea, 600 gm single super phosphate, 150 gm muriate of potash, 100 gm each of ferrous sulphate, manganese sulphate, zinc sulphate and 50 gm of borax per tree should be given within the perimeter of trees.
MANDARIN ORANGE	• For taking Ambia bahar give stress to the trees by discontinuing irrigation. After harvesting of fruits, prune dead wood and water shoots followed by spray of fungicide, carbendazim @ 1 g/litre water.
BRINJAL	• For management of brinjal fruit and shoot borer Spray Bacillus thuringiensis formulation (1 ml/L) at weekly interval • Release Trichogramma chilonis @ 2,50,000/ha (50,000/release-5 times at weekly intervals, starting from flowering). • Install sex pheromone traps 10/acres. • Spray Chlorantraniliprole 18.5SC at 0.3 ml/L once in 15 days depending upon the pest population.
TOMATO	• For management of tomato fruit borer, spray HaNPV @250 LE/ha with 1% jaggery as sunscreen at 28, 35 and 42 DAP in the evening hours, spraying should be done with Emamectin benzoate 5 SG @ 0.3g/L or Indoxacarb @ 0.75ml/L or Flubendiamide @ 0.1ml/L in rotation at 10-12 days interval under severe infestation. • To manage Tuta absoluta follow light trap based IPM by installing 60 W incandescent bulb traps @ 4-5/acre. Install Tuta pheromone traps for monitoring of the adults @ 4-6 traps/acre. • Spray indoxacarb 14.5 SC @ 0.75 ml/L or Spinosad 45 SC @ 0.3ml/L • Use of sex pheromones @ 10/acre. • Encourage natural enemies like mirid bug, Nesidiocoris tenuis.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	• Lucerne and Berseem fodder crops should be planted for availability of nutritious fodder for animals. Keep animal shed clean, dry and well ventilated. Deworming should be done, if not done earlier within 3 months. Disinfection/fumigation of shed should be done by using formalin. Include dry fodder/feed in the diet of small and large ruminants to avoid diarrhoea/indigestion. Provide complete ration to the livestock. Apply recommended doses of fertilizers to fodder crop.

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	<ul style="list-style-type: none"> • 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. • 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.
GENERAL ADVICE	<ul style="list-style-type: none"> • 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.
GENERAL ADVICE	<ul style="list-style-type: none"> • Nursery brinjal, tomato, cauliflower and cauliflower seedlings should be planted in the field at the age of 4 to 6 weeks. Fenugreek, spinach, cilantro, radish and carrot should be planted in stages.