



Gramin Krishi Mausam Sewa
Experimental Block Level Agromet Advisory Bulletin
(A Joint Initiative of IMD & ICAR)



Agromet Advisory Bulletin

Date : 18-01-2022

Weather Forecast of UMRED Block in NAGPUR(Maharashtra) Issued On :2022-01-18(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-19	2022-01-20	2022-01-21	2022-01-22	2022-01-23
Rainfall	0.0	0.0	0.0	0.0	1.3
Tmax(°C)	28.1	28.5	28.9	29.5	29.7
Tmin(°C)	13.7	14.4	15.3	15.7	16.1
RH-I(%)	87	84	86	87	89
RH-II(%)	66	64	63	65	67
Wind Speed(kmph)	6.0	5.0	5.0	7.0	6.0
Wind Direction(Degree)	34	28	23	113	248
Cloud Cover(Octa)	4	3	3	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 to partially cloudy weather during next five days (19th., January, 2022 to 23rd, January, 2022) and weather is very likely to be dry on 19th, 20th, 21st and 22nd January, 2022 and light to moderate rainfall is very likely to occur and thunderstorm accompanied with lightning on 23rd, January, 2022 and is forecasted.

General Advisory:

To prevent damage due to rain, thunder & lightning, harvesting & threshing of mature Arhar, picking of cotton & harvesting of orange, sweet orange, guava etc. fruits and marketable vegetables should be done with priority. Considering the thunderstorms and lightning forecast, if you hear thunderstorms while working in the fields take shelter in a safe place immediately. Avoid cattle (sheep, goats, cow, buffalo etc.) grazing on open spaces on thunderstorm & lightning forecasted days. Continue the intercultural operation for next 3 to 4 days.

SMS Advisory:

Harvesting & threshing of mature Arhar, picking of cotton & harvesting of orange, sweet orange, guava etc. fruits and marketable vegetables should be done with priority.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
PIGEON PEA (RED GRAM/ARHAR)	Due to possibility of light to moderate rainfall on 23rd January, 2022 farmers are advised to complete the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places.
WHEAT	In case of infestation of aphids in wheat crop is notice due cloudy weather, spray with Thiamethoxam 25% WG @ 10 to 15 gm or Quinalphos 25 % EC 40 ml per 10 liters of water for management. In wheat crop due to cloudy weather, in case of infestation of rust and leaf blight disease is notice spraying should be done of Mancozeb 75 % WP @ 20 to 25 gm per 10 liters of water. Toxic bait should be used for rat management in wheat crop. To make a poisonous bait, mix 49 parts of cereal flour, a little bit of edible oil and 1 part of bromadiolone 0.25 % CB. Spoon the bait into a plastic bag and place it in a live field bin or near the bin.
GROUNDNUT	Considering the available soil moisture and if irrigation water is available, summer groundnut should be sown in the second fortnight of January under Broad bed furrow system and sprinkler irrigation system should be used. Use 125 kg seed per

Crop(Varieties)	Crop Specific Advisory
	hectare of TAG-24 or SB-11 variety. Seed treatment of Trichoderma 5 gm, Rhizobium 25 gm, and PSB 25 gm should be done per kg of seed. In summer season groundnut variety TAG-24 should be sown at 30 x 10 cm and SB-11 at 30 x 15 or 45 x 10 cm for sowing.
BENGAL GRAM/ CHICK PEA	Considering the rainfall forecast on it is advice for integrated management of Gram Pod Borer 20 bird perches per hectare should be install up in the field. For control of gram pod borer install pheromone traps (Hexalur) two per acre or five per hectare. If eight to ten moths are found in the trap for three consecutive days, recommended management measures should be taken. In case of pest infestation by observing the crop or when the crop is in 40 to 50 % flowering stage, preference should be given to botanicals or biological pesticides. For this, first spraying should be taken of neem extract 5% or Azadiractin 300 ppm 50 ml per 10 liters of water with Knapsack sprayer pump. If spraying should be done with a power sprayer, apply three times the amount of pesticide. If Gram Pod Borer has reached the ETL, spraying should be done with Quinalphos 25 % EC 20 ml or Emamectin benzoate 5 % SG 3 gm or Flubendiamide 20 % WG 5 gm or Chlorantraniliprole 18.5 SC 2.5 ml per 10 liters of water.
COTTON	Considering the rainfall forecast it is advised for farmers to carry out the remaining picking of cotton immediately and terminate the crop to avoid PBW attack in next season.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ORANGE	Due to hail storm in previous week shedding of leaves, branches and barks it might be exposed to various diseases. Apply Bordeaux paste on affected parts of the plants. To prepare take 1 kg of each copper sulphate and lime separately. Soak in five litre of water overnight in two separate plastic containers. Stir thoroughly with wooden stick so that copper sulphates and lime are dissolved completely. Take third separate plastic container and pour the copper sulphate and lime solution and mix thoroughly and apply on affected plant parts. For controlling fruit drops and increasing fruit size of Mrig bahar in Mandarin/ Sweet orange spraying should be done of 1.5 gram 2-4-D + 100 gram Carbendazim + 1.5 kg Urea in 100 litres of water during the clear weather condition at earliest. After 15 days in the orchards carry out second spray of 1.5 gram Gibberellic acid + 100 gram carbendazim + 1.5 kg urea in 100 litres of water. Remove broken branches and twigs with the help secateurs. After that spraying should be done of 100 gram carbendazim and 1 kg urea in 100 litres of water immediately.
ACID LIME	Due to hail and rainfall there is rapid spread of citrus canker in acid lime orchards hence the affected leaves, branches should be pruned and burnt. Spray copper oxychloride 180 gm with Streptocycline 6 gm in 60 litres of water during the clear weather condition.
TOMATO	Due to continuous cloudy weather if the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-Al (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb 64% (2.0 g/l) during clear weather condition.
CHILLI	Soak a cotton cloth in castor oil and then squeeze it on the chilli crop to manage the sucking pest of the chilli crop. So that the cloth will be controlled by sticking to the sucking insects (aphids, thrips, whiteflies and spiders). Apply blue sticky traps at the rate of 40 per acre for management of thrips. For management of sucking pest, spray with botanical insecticide neem extract 5 % or Azadiractin 300 ppm 50 ml per 10 liters of water. After 3 to 4 days spraying should be done of Dimethoate 30 EC 14 ml + Sulfur 80 % WP 25 to 30 gm or Fipronil 5 SC 20 ml + Sulfur 80 % WP or Fenpropathrin 30 % EC 3.5 ml + Sulfur 80 % WP 25 to 30 gm or Ethion 50 EC 40 ml + Sulfur 80 % WP 25 to 30 gm any of mix with in 10 litres of water. Repeated spraying of the same pesticide should be done alternately.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Avoid cattle grazing on open spaces on thunderstorm & lightning forecasted days. Avoid tying animals under trees on thunderstorm & lightning forecasted days. It is advisable to keep the animals in closed shelter and take special care of young cattle to protect from cold during night/early morning. Shelter floor should be covered with straw litter which provides a thermal mulch. Protect poultry birds/chicks from cold winds by hanging curtain/clothing from outside the poultry shed. Use of electric bulbs (5-6 hrs) for heat is advisable.
GOAT	In case of infestation of ticks and fleas on the body of goats and goats kids, rub the goats and kids with equal quantity of ash and 50 % Carbaryl powder. In case of high incidence, add 2 ml of Butox (Deltamethrin 12.5 mg) or Amitraz and bathe the goats and kids. Pesticides should be used very carefully and care should be taken not to poison the goats by licking them.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	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	It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid from 08:30 AM on the previous day to 08:30 AM on the said date.