



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



Agromet Advisory Bulletin

Date : 30-07-2021

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2021-07-30(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-07-31	2021-08-01	2021-08-02	2021-08-03	2021-08-04
Rainfall	20.7	24.1	16.4	12.2	4.0
Tmax(°C)	29.3	30.1	29.9	31.2	32.0
Tmin(°C)	23.9	24.0	24.0	23.8	24.1
RH-I(%)	96	96	92	90	90
RH-II(%)	89	89	87	84	84
Wind Speed(kmph)	14.0	12.0	11.0	9.0	9.0
Wind Direction(Degree)	256	265	256	256	256
Cloud Cover(Octa)	7	7	7	7	7

Weather Summary/Alert:

In Umred block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be mostly cloudy and light to moderate rain occur during next five days from 31 July, 2021 to 04th, August, 2021 is forecasted.

General Advisory:

Drain out excess water from field of Soybean, Pigeon pea, Cotton, Green gram, Black gram, Tomato, Brinjal, as well as other kharif, vegetables and fruit orchards as well as farmers should take care to avoid water stagnation in vegetables, orchards and other crops. Considering the rainfall forecast spraying of agrochemicals and application of fertilizers in standing crop and intercultural operations should be postponed for next 3 to 4 days, these operations should be done after current spell of rain.

SMS Advisory:

Farmers should take care to avoid water stagnation in kharif crop vegetables, orchards and other crops.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
SOYABEAN	Considering the rainfall forecast, care should be taken not to retain water in the soybean crop. Farmers are also advised to install ' T ' shaped bird perches at different locations which facilitate seating arrangement for predatory bird who feed on caterpillars. In case of organic soybean production, farmers are advised to use Bacillus thuringiensis or Bueveria basiana @ 1 l/ha for control of defoliators (semilopper, tobacco caterpillar). Install 20 to 25 yellow sticky trap for monitoring of the white fly adult moth.
SOYABEAN	Due previous week rain, increased humidity and cloudy weather, In case of infestation of stem fly, semilopper and girdle beetle infestation is noticed after crossing the ETL level for management of this pest spraying should be done of Thiamethoxam 12.6 % + Lambda Cyhalothrin 9.5% ZC 2.5 ml or Chlorantraniliprole 18.5 % SC 2 to 3ml or Chlorantraniliprole 9.30 % + Lambda Cyhalothrin 4.60 % ZC 4 ml mix with in per 10 liters of water and application should be done after arrival of Wafsa condition and spell of rain during clear weather condition.
COTTON	Considering the rainfall forecast, care should be taken not to retain water in the cotton crop. Spraying should be done after spell of rainfall and arrival of Wafsa condition in soil and on clear day. Install yellow sticky traps 8/acre for whitefly and Jassid, blue sticky traps 8/acre for thrips, spray NKE 5% or neem-based insecticides @ 5ml/l of

Crop(Varieties)	Crop Specific Advisory
	water. Due previous week rain, increased humidity and cloudy weather if incidence of sucking pests (Aphids, Jassid, White fly and Thrips) is noticed and if crossing ETL, spray Buprofezin 25 SC 20ml/10lit of water or Flonicamid 50 WG 4gm/10 lit of water for management of sucking pests.
COTTON	Drenching of Carbendazim 50 WP@ 20g per 10 lit of water or Trichoderma harzianum or T. viridae @10 g/ litre of water should be done for management of wilt and root rot affected crop. Broadcast Trichoderma harzianum or Trichoderma viride powder 1 kg mix with in 25 kg well decomposed FYM or compost near crop row.
GREEN GRAM	Farmers are advised to keep green gram crop in weed free state, as the leaf crinkle disease spread through weeds. Avoid excessive use of nitrogenous fertilizers which may leads to vegetative growth of the plants & increases pest incidence. Intercultural operations should be done in green gram crop by judging forecasted rainfall.
BLACK GRAM	If incidence of aphids, jassids observed in black gram crop, take a spray of 5 % Neem Ark or Dimethoate 30 EC @ 10 ml/ 10 L. of water is advisable. Spraying should be done when sky remains clear. Install 6 to 7 yellow sticky traps in the crop field to manage infestation of white flies. Intercultural operations should be done in black gram crop by judging forecasted rainfall.
GROUNDNUT	Due previous week rain, increased humidity and cloudy weather if incidence of leaf folder or leaf mineris noticed and when ETL cross (2 larva per plant or 10 percent leaves are damage), then apply spraying of Quinaphos 25 % EC, 1 litre/hectare mix with 500 litre of water (20 ml/10 litre of water) or Deltamethrin 2.8 % EC, 500 ml per hectare in 400-600 litre of water (10ml/ 10 litre of water). For control of rust and tikka (leaf spot), spraying should be done of Tebuconazole 25% WG 500-750 gm per hectare mix with 500 litre) of water. (10 to 15 gram/10 litre of water.
CITRUS	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. To check fruit drop of Ambia bahar spray the citrus tree with 1.5g 2, 4-D or gibberellic acid with 100 gm carbendazim and 1 kg urea mixed in 100 litres of water. Repeat the spray after 15 days if the fruit drop continues. For Ambia bahar crop, muriate of potash 180 g per tree should be applied uniformly by leaving about 3 feet distance around the grown-up tree. The applied fertilizer should be thoroughly mixed in the soil. The mentioned spraying and application of ferti
RICE	Transplanting should be done after 21 to 25 days of age of seedlings. For this, two days before removing the seedlings, increase the water level in the nursery a little. This helps in removing the seedlings without breaking the roots. After transplanting of paddy seedlings, maintain water level up to one inch for better establishment of roots. 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

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ACID LIME	Avoid water stagnation near the tree trunk. If need drain out excess rain water from the orchard through the drainage channels prepared earlier. Prune all canker affected branches and leaves in acid lime and burn them. Spray copper oxychloride 180 g with Streptocycline 6 g in 60 litre water to check citrus canker in acid lime after current spell of rain. Repeat the spray after 30 days interval.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	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.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Care should be taken that therainwater should not stagnate in transplanted vegetables seedlings field. Arrangements should be made to drain excess water from the vegetable crop. Soil drenching should be given to nursery seedlings planted on flatbedwith the recommended fungicide.
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.