



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



Agromet Advisory Bulletin

Date : 31-12-2021

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2021-12-31(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-01	2022-01-02	2022-01-03	2022-01-04	2022-01-05
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	26.0	26.2	26.6	26.7	26.7
Tmin(°C)	13.5	13.8	13.7	12.9	12.4
RH-I(%)	59	58	53	47	47
RH-II(%)	48	39	37	31	29
Wind Speed(kmph)	11.0	9.0	10.0	9.0	8.0
Wind Direction(Degree)	45	45	27	45	56
Cloud Cover(Octa)	1	0	0	0	0

Weather Summary/Alert:

In Umred block, sky will be clear to partly cloudy weather is very likely to be dry during next five days (01st, January, 2021 to 05th, January, 2021).

General Advisory:

Considering the dry weather forecast for next five days farmer are advised to carry out intercultural operation, spraying of agrochemical for pest and disease management and fertilizer application in standing crop by judging the local clear weather condition. In order to prevent secondary infection by hailstorm affected fruit orchards, affected fruits should be picked and destroyed and precautionary and crop protection measures should be taken based on label claim recommendations. Farmers are advised to complete harvesting /picking of cotton to avoid PBW attack in next season.

SMS Advisory:

Considering the dry weather forecast for next five days farmer are advised to carry out intercultural operation at Wafsa condition.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
WHEAT	Considering the dry weather forecast for next five days farmer are advised to carry out intercultural operation at Wafsa condition.
BENGAL GRAM/ CHICK PEA	Spraying operation should be carried out in clear weather condition. 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.

Crop(Varieties)	Crop Specific Advisory
PIGEON PEA (RED GRAM/ARHAR)	Complete the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places. In late sown Arhar, if the Infestation of small pod borer larva (<i>Helicoverpa armigera</i>) on Arhar crop and crosses ETL (10 to 20 larvae per 10 plants) spraying should be done of Emamectin benzoate 5 SG 3 gm or Chlorantraniliprole 18.5 % SC mix with in 2.5 ml per 10 liters of water and spray. Install pheromone traps at a distance of 50 m @ 5 / ha for monitoring of <i>Helicoverpa</i> .
MUSTARD	Considering the dry weather forecast for next five days farmer are advised to carry out intercultural operation at Wafsa condition. Cloudy weather and lowering night temperature favours aphid incidence in mustard. For control of aphid incidence undertake spray of Thiometon 25 EC 8 ml per 10 lit of water or Dimethoate 30 EC 10 ml per 10 lit of water.
COTTON	Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. If more than 60 % bolls are infested and no new flush seen on the plant, farmers are advised to terminate the crop and go for Rabi crop. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint.
CITRUS	In orchards where at least 20 days of stress has been completed before the rains and old leaves have decayed, irrigation should be started and spraying should be done with 1.0 g of gibberellic acid, 1.0 kg of urea and 100 g of carbendazim mixed with in 100 liters of water and during clean weather conditions. In orchards where harvesting of previous Ambia crop is pending till 15th December and the sufficient leaves are not fall or the leaves may not have been pale crushed, Chlormequat Chloride (CCC) should be mixed with 2 ml (1.5 ml in light soil) per liter of water and sprayed immediately and maintain stress for 10 to 12 days. In deep heavy soil, instead of chlormequat chloride (CCC), apply paclobutrazol 23 to 25% through drenching at the rate of 30 to 40 ml per plant should be mixed in 5 liters of water through soil. As hailstones infest tree branches and trunks, apply a 1% Bordeaux mixture on the wounds to prevent the spread of the disease. As soon as mites appear, spraying should be done of Dicofol 18.5 % EC 2 ml or Wettable Sulphur 3 gm per liter of water at intervals of 15 days. Without any label claim but based on research apply Propargite 57 % EC 1 ml or Spiromesifen 240 SC 0.3 ml or Fenazaquin 10 % EC 1 ml per liter of water spray at 15 days interval. For control of black fly spray with Imidacloprid 17.8 SL 0.5 ml or Dimethoate 2 ml per liter of water. Adult generation and 50 per cent egg stage is the best time for spraying as early stages are available on the plant during this period.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Use of water trap/Leuci lure pheromone traps to manage fruit and shoot borer to monitor, attract and kill the male moths @ 12 ha-1 and change the vial once in 3 weeks. If the pest crossed ETL, spraying should be done of Chlorantraniliprole 18.5 SC 2.66 to 4.0 ml per 10 litres of water.
TOMATO	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. Irrigation of tomato crop should be avoided till the current spell of rains. If rain water is stagnated in field drain out immediately.
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
COW	Animals should be vaccinated against footandmouth disease.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Seedlings of 4 to 6 weeks old summer chilli, brinjal and tomato should be planted.
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.