



Agromet Advisory Bulletin

Date : 15-02-2022

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2022-02-15(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-02-16	2022-02-17	2022-02-18	2022-02-19	2022-02-20
Rainfall	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	31.3	31.7	32.1	32.2	32.3
Tmin(°C)	14.7	15.2	15.8	16.1	16.2
RH-I(%)	66	71	69	67	73
RH-II(%)	46	51	49	47	53
Wind Speed(kmph)	6.0	7.0	7.0	8.0	8.0
Wind Direction(Degree)	121	79	83	98	66
Cloud Cover(Octa)	3	4	4	3	5

Weather Summary/Alert:

In Umred block, as per the block level value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy weather i.e. 16th, February, 2022 to 20th, February, 2022 and weather is very likely to be dry during next five days.

General Advisory:

Considering the dry weather forecast, it is advised to continue the intercultural operation, spraying of agrochemicals for pest and disease management, fertilizer application in standing crop and irrigation operation by considering the soil moisture and crop need in rabi season crop, fruit orchards and vegetables during next five days. It is advised to carry out the harvesting and threshing of matured rainfed Chickpea, Arhar and store the harvested produce in safer places. For availability of green fodder to animals, African tall of maize crop and Pusa chaari and SSG-898 variety of fodder sorghum should be cultivated.

SMS Advisory:

Considering the dry weather for next five days, it is advised to irrigate the rabi season crop, vegetables and fruit crop at critical growth stages.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
BENGAL GRAM/ CHICK PEA	It is advised to carry out harvesting and threshing of matured rainfed chickpea. In late sown and irrigated chickpea 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. Irrigate the crop at pod development stage.
WHEAT	Considering the soil moisture status and crop needs, wheat crop should be irrigated at flowering stage (65 to 70 days after sowing) and milking stage (80 to 85 days after sowing). In wheat, in case of infestation of rust and leaf blight disease is noticed spraying should be done of Mancozeb 75 % WP @ 20 to 25 gm per 10 liters of water.
GROUNDNUT	Gap filling should be done up to 10 days after emergence

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
LINSEED	The linseed crop should be lightly irrigated at seed formation and seed development stage.

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Soil-application of Furadon @ 1.5 Kg ai/ha at the time of sowing. Spray seedlings with Acephate (0.15%) or Monocrotophos (0.1 %) prior to transplanting. Spray insecticides like Monocrotophos (0.15%), Acephate (0.15%) or Hostothion (0.1 %) at fortnightly intervals after transplanting, until the flowering stage. Chemical spray, followed by neem seed kernel extract (2%) is also effective in rotation with insecticides.
ORANGE	In Nagpur mandarin and Sweet orange continue drip irrigation at the rate of 9-40, 60-96 and 108-137 litres per day for 1-4, 5-7, 8 years and above trees old respectively. Follow irrigation with double ring method or square method irrigate orchard at 7 to 10 days interval. During this period in general citrus leaf miner and citrus psylla are active. At the time of Ambia flush for citrus psylla control, spray imidaclopride 0.5 ml, quinalphos 2 ml or dimethoate 2 ml in one litre water. Against leaf miner spray thiamethoxam 0.3 g or Fenvalerate 1 ml per litre of water. Repeat application after 10 days in case the infestation of leaf miner and citrus psylla persists. In case of citrus aphid attack, spray quinalphos @ 2 ml or dimethoate @ 2 ml/l and repeat it after every 7 days. In case there is gummosis on the tree trunk remove the gum portion by sharp knife and apply Metalaxyl paste or fosetyl Al paste on the affected part of the tree trunk. During this period incidence of lemon butterfly is observed. Spray Quinalphos 2 ml or Fenvalerate 2 ml in one liter water for minimizing the incidence of lemon butterfly. Foliar application of gibberellic acid 1.5 gm + urea 1 kg may be given to Ambia bahar during fruit set after mixing it in 100 litres water. (Dissolve gibberellic acid in 10 ml alcohol before mixing in water)
MANGO	If the infestation of jassids on mango is crossing economic threshold level, Buprofezin 25 % EC 10 ml or deltamethrin 2.8 % EC 5 ml or imidacloprid 17.8 SL % 4 ml or Lambda cyhalothrin 5 % EC 5 ml or Dimethoate 30% EC 16.5 ml per 10 liters of water. For management of powdery mildew of mango, spraying should be done of Hexaconazole 5 % EC 10 ml or Penconazole 10 % EC 5 ml or Sulfur 80 % WDG 30 gm or Dinocap 48 % EC 5 ml per 10 liters of water.
WATER MELON	Sugar Baby, Asahi Yamato, Arka Jyoti, Arka Manik should be selected for watermelon cultivation in summer season. Apply 40 kg N, 40 kg P and 40 kg K at the time of planting. Apply 40 kg N 30 days after planting.
MUSKMELON	Hara Madhu, Pusa Sharbati, Punjab Sunhari, Arka Rajhans, Arka Jeet, Pusa Madhuras should be cultivated for muskmelon crop in summer season. Apply 40 kg N, 40 kg P and 40 kg K at the time of planting. Apply 40 kg N 30 days after planting.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
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. Goats and sheep should be vaccinated against rinder pest disease.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Considering the dry weather forecast, the vegetables crop should be irrigated as per the requirements of the crop. Considering the availability of irrigation and market demand in summer season, leafy vegetables, okra, guar, chawli, cucumber, Bottle Gourd, pumpkin, ridge gourd, bitter gourd, round gourd, watermelon, muskmelon, spinach, radish, fenugreek and coriander should be cultivated.
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.