



Agromet Advisory Bulletin

Date : 11-02-2022

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2022-02-11(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-02-12	2022-02-13	2022-02-14	2022-02-15	2022-02-16
Rainfall	0.0	0.0	0.0	0.0	0.6
Tmax(°C)	29.8	30.1	30.3	30.8	30.2
Tmin(°C)	14.5	14.8	15.1	15.7	15.5
RH-I(%)	70	71	69	73	76
RH-II(%)	50	51	49	53	56
Wind Speed(kmph)	7.0	7.0	6.0	6.0	7.0
Wind Direction(Degree)	32	36	98	121	125
Cloud Cover(Octa)	1	1	1	3	2

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 during next five days i.e. 12th, February, 2022 to 16th, February, 2022 and weather is very likely to be dry during next four days and very light to light rainfall very likely to be occur on 16th, February, 2022.

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General Advisory:

It is advised to carry out 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 four days considering the dry weather forecast. Considering the rainfall forecast it is advised to complete the harvesting and threshing of matured rainfed Chickpea, Arhar and store the harvested produce in safer places and harvesting of market ready vegetables and fruits.

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SMS Advisory:

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Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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WHEAT	Considering the soil moisture status and crop needs, wheat crop should be irrigated at late jointing (45-50 days after sowing) and flowering stage (65-70 days after sowing), flowering stage (65 to 70 days after sowing), milking stage (80 to 85 days after sowing). In wheat, 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.
OKRA/ LADYFINGER	For summer okra planting use ridge and furrow layout with 45x30 cm spacing with seed rate of 10 to 15 kg/ha. Recommended varieties include Pragati, Arka Anamika, Pusa Makhamali, Parbhani Kranti and Phule Vibhakta.
BENGAL GRAM/ CHICK PEA	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 (Hexalure) 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 Azadirachtin 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.
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Horticulture Specific Advisory:

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

Horticulture(Varieties)	Horticulture Specific Advisory
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.
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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.
COW	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.

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Others (Soil / Land Preparation) Specific Advisory:

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GENERAL ADVICE	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.
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