



Agromet Advisory Bulletin

Date : 01-02-2022

Weather Forecast of **UMRED** Block in **NAGPUR**(Maharashtra) Issued On :2022-02-01(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-02-02	2022-02-03	2022-02-04	2022-02-05	2022-02-06
Rainfall	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	31.5	31.6	31.7	31.8	32.0
Tmin(°C)	10.9	11.2	11.4	11.1	11.0
RH-I(%)	65	64	63	62	61
RH-II(%)	56	55	54	53	52
Wind Speed(kmph)	5.0	6.0	7.0	6.0	5.0
Wind Direction(Degree)	28	158	289	323	8
Cloud Cover(Octa)	1	1	1	1	1

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 and weather is very likely to be dry during next five days (02nd, February, 2022 to 06th, February, 2022).

General Advisory:

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. For watermelon and muskmelon cultivation, select well drained, medium to heavy soils.

SMS Advisory:

Depending on irrigation availability, summer groundnut should be sown up to first week of February with Broad Bed Furrow system.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
PIGEON PEA (RED GRAM/ARHAR)	Farmers are advised to continue the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places.
SESAME (GINGELLY/TIL)	Normal sowing of summer sesame (AKT 101, PKV-NT-11) can be undertaken during first fortnight of February. Recommended seed rate @ 3 to 4 kg/ha and fertilizer @ 25:25:0 NPK/ha (N in 2 equal splits) is advisable. Seed treatment with carbendazim @ 3g/kg seed and Trichoderma viride 4g/kg is advisable.
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.
RICE	For getting higher paddy yield and effective management of stem borer application Carbofuran 3 % CG @ 25 kg/ha (Carbofuran 3 % CG @ 250 gm for 100 m ² nursery), 5 days before pulling seedling from nursery for transplanting. Generally, apply 125 kg Nitrogen, 50 kg Phosphorus and 50 kg Potash per hectare for Summer Paddy. Apply whole phosphorus and potash and half the amount of nitrogen in the mud (Puddled field) and the remaining half nitrogen in two equal instalments (usually tillering stage which comes at 30 days and panicle initiation stage which comes about 60 days).

Crop(Varieties)	Crop Specific Advisory
CITRUS	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)
WHEAT	Irrigation should be given in evening time to protect crop from cold. According to 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 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	Depending on irrigation availability, summer groundnut should be sown up to first week of February, Broad bed furrow system and sprinkler irrigation system should be used. Use 125 kg seed per 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	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.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
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.
TOMATO	Due to high humidity, high soil moisture, cloudy weather and low temperature if the incidence of powdery mildew is notice on tomato spraying should be done of Hexaconazole (1 ml/l) or Dinocap (1 ml/l) or Wettable Sulphur (2.5 g/l) or Carbendazim (1.0 g/l) or Triadimefon 25 WP (0.4 g/l) or Difenconazole (0.5 ml/l) or Kresoxim methyl 44.3 % SC (2.0 ml/l) or Propiconazole 25 EC (1.0 ml/l) in clear weather condition.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Keep cattle inside the sheds during night and provide dry bedding to protect them from cold. Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.
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	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.