



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin
Central Institute for Cotton Research,
Nagpur



Agromet Advisory Bulletin

Date : 16-03-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-03-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-03-17	2021-03-18	2021-03-19	2021-03-20	2021-03-21
Rainfall	0.0	1.0	2.0	4.0	3.0
Tmax(°C)	37.0	36.5	35.8	35.2	35.0
Tmin(°C)	20.0	19.8	19.5	19.3	19.0
RH-I(%)	70	72	74	77	79
RH-II(%)	38	40	45	46	49
Wind Speed(kmph)	4.0	5.0	5.0	7.0	6.0
Wind Direction(Degree)	90	117	210	279	90
Cloud cover(octa)	2	3	4	6	5

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during 17th March to 21st March, on 17th and 18th March light to moderate rainfall along with thunderstorm accompanied with lightning at isolated places, on 19th March, light to moderate rainfall at few places along with thunderstorm accompanied with lightning at isolated places with gusty wind and hailstorms, on 20th March, light to moderate rainfall at few places along with thunderstorm accompanied with lightning at isolated places with gusty wind is forecasted.

General Advisory:

Mature gram, wheat, linseed, jowar, maize, safflower, arhar and other crops should be harvested and threshed immediately and stored in a safe place. If threshing is not possible due to labor availability cover the harvested rabi crop with tarpaulin. Carry out pesticide application, fertilizer application in standing crop and interculture operation should be carried out after 21st March.

SMS Advisory:

If you hear thunder while working in the field, go to concrete buildings or safe places, take shelter in the open field at a distance of twice to four times the height of the tree without taking shelter.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
BENGAL GRAM/ CHICK PEA	Chickpea Harvesting & Threshing: In the view of rainfall forecasting harvesting and threshing should be matured chickpea crop and stored in a safe place. If threshing is not possible due to labor availability cover the harvested crop with tarpaulin.
GROUNDNUT	For control thrips, when ETL cross (5 thrips per three leaves), then spraying should be taken of Quinalphos 25 % EC (28 ml/10 liter of water) 1400 ml/hectare in 500 litre of water.

Crop(Varieties)	Crop Specific Advisory
RICE	Paddy Stem Borer Management: Pheromone traps should be set 20 per ha. Trichogramma japonicum (Trichocard) is a parasitic insect release 50,000 eggs per hectare 3 to 4 times every 7 days. When 10 pest infested tillers found, Spray Chlorantraniliprole 0.4% G @ 10 kg or Cartap Hydrochloride 4 G @ 18 kg. or Fipronil 0.3 G @ 25 kg. apply per hectare when there is water in paddy bund or apply Chlorantraniliprole 18.5% SC @ 3 ml per 10 liters of water.
RICE	Paddy Blast Disease Management: Spray Hexaconazole 5% EC @ 20 ml. or Isoprothiolane 40% E.C @ 15 ml or Tebuconazole 25.9% EC @ 15 ml per 10 liters of water.
WHEAT	In the view of rainfall forecasting wheat sown on time should be harvested after maturity and care should be taken not to break the seeds during threshing. If threshing is not possible due to labor availability cover the harvested crop with tarpaulin.
MUSTARD	Mustard Harvesting & Threshing: In the view of rainfall forecasting carry out harvesting, threshing and safe storage of matured mustard crop. If threshing is not possible due to labor availability cover the harvested crop with tarpaulin.
SESAME (GINGELLY/TIL)	Sesame Interculture Operation Management: Summer sesame crop should be thinned first 15 to 20 days after sowing and second after 8 days at a distance of 10 to 15 cm between the two seedlings. Since early growth of sesame crop is slow, crop field should be kept weed free till one month of crop age. Keep the field clean by making 2 to 3 hoeing / hand weeding as per the requirement of the crop.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
WATER MELON	Watermelon Irrigation Management: Irrigate the Watermelon crop at an interval of 6 to 8 days. According to soil moisture and crop need irrigation interval should be decrease or increase. Interculture operation and 2nd split dose of Nitrogen Management: Apply 40 kg Nitrogen 30 days after planting. Weeding should be done 2-3 times to keep the crop clean and healthy.
MUSKMELON	Muskmelon Irrigation Management: According to soil moisture and crop need irrigation interval should be decrease or increase. Interculture operation and 2nd split dose of Nitrogen Management: Apply 40 kg Nitrogen 30 days after planting. Weeding should be done 2-3 times to keep the crop clean and healthy.
ORANGE	Orange Fruit Dropping Management: 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). Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 35 to 40 degree Celsius.
ORANGE	Orange Phytophthora Diseases Management: For management of Phytophthora diseases, scrap out gum oozing portion by sharp knife, wash with potassium permanganate solution (10 gm in one litre water) from the infected tree trunk and apply Mefenoxam M Z - 68 (Metalaxyl M 4% + Mancozeb 64 % wp) paste. Spray Mefenoxam MZ-68 @ 2.50 g/liters or fosetyl AI @ 2.5g/litre fungicide on the tree covering the whole plant canopy.
ORANGE	Orange Citrus Psylla and Leaf Miner Management: In case of citrus psylla and leaf miner attack, spray dimethoate 1.5 ml or imidacloprid 0.5 ml or quinalphos 2 ml or thiamethoxam 0.3 g in one liter water. Repeat spray after 15 days interval.
MANGO	For management of fruit drop in mango spraying should be taken of 20 parts per million (PPM) Naphthalic Acetic Acid (NAA) mix with in water and apply on the inflorescence.
ONION	To control thrips and fungal diseases like wilting and leaf spot undertake spraying of Quinalphos 25% EC 12 ml + mancozeb 75 % WP @ 25 gm + sandovit sticker 50 ml per 10 liters of water.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
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Live Stock(Varieties)	Live Stock Specific Advisory
COW	Considering the increasing temperature lightning forecast, provide clean and cold water (stored in earthen pot) to the animals. Those who have cultivated berseem, should be done top dressing of 10 kg N/ha after each cutting to encourage quick growth and high yield. Deworming of livestock should be done by seeking advice of Veterinary practitioner. The animals should be provided fodder in the shed as there is a possibility of lightning. Preferably avoid grazing on open grazing area.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Farmers should take care of thunder and lightning in the sky: If you are working in the field, take shelter immediately near the field. After taking shelter in a safe place in the field, keep dry wood, plastic, gonapath, dry mulch under the feet. Sit with both feet together and both hands on your knees. Make sure that no part of your body touches the ground except your feet. Individuals working in ponds, such as places where there is moisture in the soil or water sources, should go to a safe and dry place immediately. If there are tall trees nearby, take shelter at a distance twice the height of that tree.
GENERAL ADVICE	Farmers should take care of thunder and lightning in the sky: A pucca house is the safest place to avoid lightning. Farmers should plant trees as low as possible around their houses and livestock sheds. Moist, swampy places and water sources (wells, lakes, rivers, farm ponds etc.) should be avoided as much as possible. If traveling in a four-wheeler, stop in the vehicle. Farmers should take care that they do not have any metal tools. When working in the field, do not let more people work together at the same time. Care should be taken to keep a distance of at least 15-20 feet between two persons. Do not use an umbrella with a metal rod. Stay away from other electric tools made by farmers as well as metal ones.
GENERAL ADVICE	Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.