



Gramin Krishi Mausam Sewa

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



Agromet Advisory Bulletin

Date : 09-03-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-03-09(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-03-10	2021-03-11	2021-03-12	2021-03-13	2021-03-14
Rainfall	0.0	0.0	1.0	1.0	1.0
Tmax(°C)	38.3	38.8	38.8	38.6	38.3
Tmin(°C)	20.2	20.7	20.3	20.3	20.5
RH-I(%)	67	67	72	77	77
RH-II(%)	31	36	36	36	36
Wind Speed(kmph)	3.0	3.0	5.0	5.0	4.0
Wind Direction(Degree)	260	225	75	150	180
Cloud cover(octa)	2	3	5	2	3

Weather Summary/Alert:

In Nagpur district, as per forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during 10th March to 14th March, on 11th March light to moderate rainfall at isolated places, on 12th, 13th and 14th March light to moderate rainfall along with thunderstorm accompanied with lightning at isolated places as well as maximum and minimum temperature will be 38.3 to 38.8 and 20.2 to 20.7 degree Celsius respectively, morning and afternoon relative humidity will be 67 to 77 and 31 to 36 % and wind speed will be 3 to 5 kilometre per hour is forecasted.

General Advisory:

Due to the possibility of rainfall mature gram, wheat, linseed, jowar, maize, safflower, arhar and other crops should be harvested and threshed immediately and stored with covering of tarpaulins in a safe place. Thunderstorms and lightning are likely to be forecasted, if you hear thunderstorms while working in the fields take shelter in a safe place immediately. The animals should be provided fodder in the shed as there is a possibility of lightning. Preferably avoid grazing on open grazing area. Spraying and interculture operation should be done when the weather is dry and clear depending on the local weather conditions.

SMS Advisory:

In the view of rainfall forecasting harvesting and threshing of mature crops should be completed immediately and if threshing is not possible due to lack of labor, it should be covered with tarpaulin

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 completed for matured chickpea crop and stored in a safe place.
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.
MUSTARD	Mustard Harvesting & Threshing: In the view of rainfall forecasting carry out harvesting, threshing and safe storage of matured mustard crop.
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.
TOMATO	Tomato Pest Management: For management of thrips and white fly on tomato crop, spraying should be taken of Thiamethoxam 25 % WG 4 gm or Dimethoate 30% EC in 10 ml per 10 liters of water. For management of tomato fruit borer spraying should be taken quinalphos 25 EC 20 ml in 10 litre of water.
OKRA/ LADIES' FINGER	For management of sucking pest observed in okra, spray Thiamethoxam 25 % WG 2 gm Or Imidacloprid 17.8 SL, 2 ml in 10 liter of water.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
LINSEED	Linseed Harvesting & Threshing: In the view of rainfall forecasting harvesting should be carried out as soon as the pods begin to turn yellow colour & seed becomes hard. Use sickle to cut the crop close to the ground. After harvesting, dry the harvested produce for 4 to 5 days and carry out threshing and store the seed produced in safer places.
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 Irrigation Management: Continue drip irrigation at the rate of 12-53, 78-127 and 145-180 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. Considering the increasing temperature, mulching around tree trunk up to 5-10 cm should be done with wheat straw, paddy straw or uprooted weeds so that, evaporation of water due to high temperature can be minimized which helps in reducing fruit crop.
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 Al @ 2.5g/litre fungicide on the tree covering the whole plant canopy.

Horticulture(Varieties)	Horticulture Specific Advisory
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.
BRINJAL	If the incidence of aphids, thrips, whitefly and spider mites on brinjal crop, spraying should be taken 2 weeks after planting with Dimethoate 30% EC 10 ml or Quinalphos 25% EC 20 ml or thiometon 25% EC 10 ml per 10 liters of water. For management of top shoot and fruit borer spraying should be taken of cypermethrin 25 % EC 30 ml in 10 litre of water.

Live Stock Specific Advisory:

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.
COW	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 necessary precautionary measures while spraying insecticide, fungicide etc.