



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
Central Institute for Cotton Research,
Nagpur



Agromet Advisory Bulletin

Date : 28-12-2021

Weather Forecast of NAGPUR(Maharashtra) Issued On : 2021-12-28(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-12-29	2021-12-30	2021-12-31	2022-01-01	2022-01-02
Rainfall(mm)	10.5	3.9	1.2	0.0	0.0
Tmax(°C)	27.4	26.8	26.6	27.0	27.3
Tmin(°C)	14.3	13.0	13.2	13.3	13.4
RH-I(%)	91	90	88	84	79
RH-II(%)	66	68	70	72	68
Wind Speed(kmph)	7.0	8.0	8.0	8.0	8.0
Wind Direction(Degree)	162	28	64	34	30
Cloud Cover(Octa)	4	3	3	2	2

Weather Summary/Alert:

In Nagpurdistrict, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days (29th, December, 2021 to 02nd January, 2021) and on 29th, December, 2021 light to moderate rainfall very likely to occur at few places and thunderstorm accompanied by lightning and hail very likely to occur at isolated places, on 30th, December, 2021 light to moderate rainfall very likely to occur at few places and thunderstorm accompanied by lightning very likely to occur at isolated places, on 31st, December, 2021 light to moderate rainfall very likely to occur at isolated places. Weather is very likely to be dry on 01st and 02nd December 2022. As per the Extended Range Forecast, during 02nd, January 2021 to 08th, January, 2021 in Vidarbha Sub Division rainfall will be above normal, maximum temperature will be below normal & minimum temperature will be normal is forecasted.

General Advisory:

Considering the rainfall, thunderstorm and lightning, cloudy weather forecast it is advice to finished the picking of cotton at earliest, postpone the irrigation operation for next 2-3 days. Spraying of agrochemicals should be postponed for next 2 days and carry out thereafter during clear weather condition after current spell of rain. Thunderstorms and lightning are very likely to be forecasted, if you hear thunderstorms while working in the fields take shelter in a safe place immediately. Avoid cattle grazing on open spaces on thunderstorm & lightning forecasted days. Farmers are advised to complete harvesting /picking of cotton by the month end of December to avoid PBW attack in next season. Carry out harvesting of matured fruits in orange, sweet orange /guava orchards and matured/market ready vegetables to avoid quality destruction in the event of forecasted rain/thunderstorm and hail.

SMS Advisory:

Avoid grazing in open space for next 2 to 3 days. If you hear thunder while working in the field, take shelter in a safe place immediately and avoid taking shelter under a tree in any situation.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
WHEAT	Irrigation of wheat crop should be avoided till the current spell of rains.If rain water is stagnated in field drain out immediately.
WHEAT	Irrigation of chickpea crop should be avoided till the current spell of rains. If rain water is stagnated in field drain out immediately.Spraying operation should be carry out in clear weather condition. 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.
PIGEON PEA (RED GRAM/ARHAR)	Complete the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places. Cover the harvested crop with tarpaulin if threshing is not possible.
MUSTARD	Irrigation of mustard crop should be avoided till the current spell of rains.If rain water is stagnated in field drain out immediately.
COTTON	Considering the rainfall forecast it is advice to finished the picking of cotton immediately. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. If more than 60 % bolls are infested and no new flush seen on the plant, farmers are advised to terminate the crop and go for Rabi crop. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint.
CITRUS	To protect the fruit orchards a physical barrier such as hail nets or other protective screen should be used to intercept the incoming hailstone. Maintain proper drainage in the field.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Use of water trap/Leucis lure pheromone traps to manage fruit and shoot borer to monitor, attract and kill the male moths @ 12 ha-1 and change the vial once in 3 weeks. If the pest crossed ETL, spraying should be done of Chlorantraniliprole 18.5 SC 2.66 to 4.0 ml per 10 litres of water.
TOMATO	If the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-Al (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb. 64% (2.0 g/l) during clear weather condition. Irrigation of tomato crop should be avoided till the current spell of rains. If rain water is stagnated in field drain out immediately.
CHILLI	Soak a cotton cloth in castor oil and then squeeze it on the chilli crop to manage the sucking pest of the chilli crop. So that the cloth will be controlled by sticking to the sucking insects (aphids, thrips, whiteflies and spiders). Apply blue sticky traps at the rate of 40 per acre for management of thrips. For management of sucking pest, spray with botanical insecticide neem extract 5% or Azadirachtin 300 ppm 50 ml per 10 liters of water. After 3 to 4 days spraying should be done of Dimethoate 30 EC 14 ml + Sulfur 80% WP 25 to 30 gm or Fipronil 5 SC 20 ml + Sulfur 80% WP or Fenpropathrin 30 % EC 3.5 ml + Sulfur 80% WP 25 to 30 gm or Ethion 50 EC 40 ml + Sulfur 80% WP 25 to 30 gm any of mix with in 10 litres of water. Repeated spraying of the same pesticide should be done alternately.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	Considering the forecast of rain, thunder and lightning and hail, buffaloes should be avoided in open space for next 2 to 3 days.
COW	Considering the forecast of rain, thunder and lightning and hail, cattle and cows should be avoided in open space for next 2 to 3 days.
GOAT	Considering the forecast of rain, thunder and lightning and hail, sheep and goats should be avoided in open space for next 2 to 3 days.

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	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.