



Gramin Krishi Mausam Sewa
Experimental Block Level Agromet Advisory Bulletin
(A Joint Initiative of IMD & ICAR)



Agromet Advisory Bulletin

Date : 07-01-2022

Weather Forecast of **RAMTEK** Block in **NAGPUR**(Maharashtra) Issued On :2022-01-07(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-08	2022-01-09	2022-01-10	2022-01-11	2022-01-12
Rainfall	0.0	7.8	10.8	26.7	27.6
Tmax(°C)	27.9	28.1	27.2	25.6	24.2
Tmin(°C)	13.9	16.5	14.9	15.1	13.8
RH-I(%)	61	82	89	94	97
RH-II(%)	35	43	50	62	68
Wind Speed(kmph)	7.0	7.0	7.0	9.0	12.0
Wind Direction(Degree)	68	135	135	113	101
Cloud Cover(Octa)	1	2	3	5	4

Weather Summary/Alert:

In Ramtek block, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days (08th., January, 2022 to 12th, January, 2022) and weather is very likely to be dry on 08th., January, 2022 and light to moderate rainfall very likely to occur during 09th, 10th, 11th and 12th January, 2022 and thunderstorm accompanied with lightning and hail very likely to occur on 10th and 11th January, 2022 and thunderstorm accompanied with lightning very likely to occur 12th January, 2022 is forecasted.

General Advisory:

It is advised for farmers to complete the remaining picking of cotton immediately and terminate the crop to avoid PBW attack in next season after last picking. Farmers are also advised to carry out intercultural operation and spraying of agrochemical for pest and disease management within 1 or 2 days by judging the local clear weather condition and post pone thereafter. It is advised to postpone the irrigation operation in crop. Considering the thunderstorms and lightning forecast, if you hear thunderstorms while working in the fields take shelter in a safe place immediately. Avoid cattle (sheep, goats, cow, buffalo etc.) grazing on open spaces on thunderstorm & lightning forecasted days. 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. Use anti hail net to avoid damage due to hail in high value crop.

SMS Advisory:

Considering the rainfall, thunderstorm and lightning & hail forecast it is advised to postpone irrigation & cattle grazing on open spaces. Care should be taken to avoid rain water stagnate in field.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
PIGEON PEA (RED GRAM/ARHAR)	Considering the rainfall and hail forecast farmers are advised to complete the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places.
WHEAT	Considering the rainfall and hail forecast, postpone the irrigation operation in wheat.
BENGAL GRAM/ CHICK PEA	Considering the rainfall and hail forecast, postpone the irrigation operation in chickpea. Spraying operation should be carried 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 (Hexalur) two per acre or five per hectare. If eight to ten moths are found in the trap

Crop(Varieties)	Crop Specific Advisory
	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 Azadiractin 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.
COTTON	It is advised for farmers to complete the remaining picking of cotton immediately and terminate the crop to avoid PBW attack in next season after last picking. 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.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Considering the rainfall and hail forecast, postpone the irrigation operation in Brinjal.
TOMATO	Considering the rainfall and hail forecast, postpone the irrigation operation in 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	Considering the rainfall and hail forecast, postpone the irrigation operation in 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 Azadiractin 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.
ORANGE	In orchards where at least 20 days of stress has been completed before the rains and old leaves have decayed, irrigation should be started and spraying should be done with 1.0 g of gibberellic acid, 1.0 kg of urea and 100 g of carbendazim mixed with in 100 liters of water and during clean weather conditions. In orchards where harvesting of previous Ambia crop is pending till 15th December and the sufficient leaves are not fall or the leaves may not have been pale crushed, Chlormequat Chloride (CCC) should be mixed with 2 ml (1.5 ml in light soil) per liter of water and sprayed immediately and maintain stress for 10 to 12 days. In deep heavy soil, instead of chlormequat chloride (CCC), apply paclobutrazol 23 to 25 % through drenching at the rate of 30 to 40 ml per plant should be mixed in 5 liters of water through soil. As hailstones infest tree branches and trunks, apply a 1 % Bordeaux mixture on the wounds to prevent the spread of the disease. As soon as mites appear, spraying should be done of Dicofol 18.5 % EC 2 ml or Wettable Sulphur 3 gm per liter of water at intervals of 15 days. Without any label claim but based on research apply Propargite 57 % EC 1 ml or Spiromesifen 240 SC 0.3 ml or Fenazaquin 10 % EC 1 ml per liter of water spray at 15 days interval. For control of black fly spray with Imidacloprid 17.8 SL 0.5 ml or Dimethoate 2 ml per liter of water. Adult generation and 50 per cent egg stage is the best time for spraying as early stages are available on the plant during this period.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Animals should be vaccinated against foot and mouth disease.
BUFFALO	Avoid cattle grazing on open spaces on thunderstorm & lightning forecasted days. Avoid tying animals under trees on thunderstorm & lightning forecasted 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. 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.