



AGROMET ADVISORY BULLETIN

DISTRICT AGROMET UNIT, GRAMIN KRISHI MAUSAM SEWA
Dr. HEDGEWAR SEVA SAMITI, KRISHI VIGYAN KENDRA,
NANDURBAR



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49) Weather based Agromet Advisory committee meeting dated 17th September, 2021

District: Nandurbar

Weather Parameters	Weather Forecast (18.09.2021 to 22.09.2021)				
Date	18	19	20	21	22
Rainfall (mm)	7	6	9	34	43
Max. Temp. (°C)	30	31	31	30	29
Min. Temp. (°C)	23	24	25	25	24
Cloud Cover	Cloudy	Partly Cloudy	Cloudy	Cloudy	Cloudy
Max. RH (%)	90	92	89	91	95
Min. RH (%)	67	66	68	71	80
Wind Speed(km/hr)	12	14	14	14	10

Nandurbar District	Actual Rainfall (mm)	Normal Rainfall (mm)	Departure
Rainfall (mm) from 1 st June to 16 th September, 2021	622.2	798.8	-22 %

Agromet Advisory Based on Weather Forecast

Crop	Stage	Agromet Advisory
Weather Forecast Summary		<ul style="list-style-type: none">➤ According to weather forecast given by India Meteorological Department, Regional Meteorological Centre, Mumbai, Possibility of light rainfall at isolated places in between 17th to 19th September and moderate rainfall at fairly widespread places on 20th and 21st September over district and Temperature may ranges maximum temperature 31 Degree Celsius and minimum temperature 23 Degree Celsius, sky may cloudy over district.➤ Weather Warning :- Possibility of thunderstorms and lightning with rainfall at isolated places on 19th & 20th September over district.➤ Extended Range Weather Forecast:➤ Possibility to receive above normal rainfall and maximum & minimum temperature may normal in between 22nd to 28th



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		September, 2021 over Madhya Maharashtra.
➤ For Weather Forecast and Agromet Advisory use “MEGHDOOT” Mobile application.		
➤ For Thunderstorm and Lightning warning use “DAMINI” Mobile application.		
General Advisory		➤ Carry out plant protection measures to protect the crop from pest and diseases infestations on time. Spraying should be done during when wind is calm and weather is dry.
SMS Advisory		➤ Possibility of thunderstorms and lightning with rainfall at isolated places on 19 th & 20 th September over district.
Greengram & Blackgram	Maturity	➤ Due to the possibility of rains, mature crops should be harvested and kept in a safe place.
Pigeonpea	Branching Stage	➤ If the lower leaves of crop turn yellow due to rains, spray 2% urea or DAP (2 kg per 100 liters of water) during clear weather condition. If spraying is not possible, apply neem cake 50 kg and urea 20 kg per acre before application.
Maize	Vegetative to Tasseling Stage	➤ In case of infestation of American fall armyworm in maize crop, collect and destroy eggs. As soon as the infestation appears, sand should be added in the head of cob. This will prevent the larvae from eating the growth area and will not break the apex. In early (1 to 3) stages of larval growth, spray Nimaark 1500 ppm or Neem extract 5% at the rate of 5 ml per liter of water OR spray Thimethoxam 12.6% + Lambda Cyhalothrin 9.5% ZC at 0.5 ml per liter of water during clear weather condition.
Cotton	Vegetative to Flowering Stage	➤ Due to rain to control dropping of flowers and squares spray Naphthalene Acetic Acid (Planofix) at the rate of 100 ml mixed with 500 liters of water per hectare in cotton crop during clear weather condition. Take second spray 15 to 20 days later. If cotton leaves turn red due to magnesium deficiency, spray with DAP 2% + Magnesium Sulphate 75 gm per pump during clear weather condition.
Soybean	Vegetative to flowering Stage	➤ In case of infestation of Stem fly, leaf-eating and pod borer caterpillar and weevils spray Thymethoxam (12.6%) + Lambda cyhalothrin (9.5% ZC) combined pesticide 0.25 ml OR Chlorantraniliprole (18.5 SC) 0.3 ml during clear weather condition.
Sorghum	Flowering Stage	➤ For control of Fall armyworm dusting with Malathion 5% DP at the rate of 20 kg / ha in sorghum crop when the wind is calm during clear weather condition.
Suru Sugarcane	Vegetative Stage	➤ If whitefly infestation is observed, drain out excess water. Infected leaves should be cut and buried. Release Chrysoperla carnea 400 adult or 800 eggs per acre. If the incidence is high, Dimethoate (30 EC) 2.5 ml. Spray per liter of water during clear weather condition
Onion	Vegetative	➤ In case of incidence of wilt disease due to rain, carry out



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	Stage	drenching with copper oxychloride 30 gm per 10 liters of water.
Mango	Seedling Stage	➤ Drain out excess water in the newly planted mango orchard. Care should be taken to ensure that water is not retained near seedling. Cover and give mechanical support to seedling with soil so that the seedling do not fall due to wind.
Papaya	Vegetative Stage	➤ Drainage should be provided if the field is waterlogged to prevent the spread of Stem rot due to rains during the last week.
Banana	Vegetative Stage	➤ Due to waterlogged condition in the field, banana leaves turn yellow for this drenching with Carbendazim (50 WP) 2 gm OR Propiconazole (25 EC) 2 ml solution should be mixed with water per liter and applied near the plant. Spray 19-19-19 soluble fertilizer (10 gm per liter of water) on the plants till the roots of the plants are able to absorb the nutrients.
Animal Management	-	<ul style="list-style-type: none">➤ Lumpy skin disease:➤ Control Measures:➤ Infected animals should be kept separate so that healthy animals do not get infected with the disease.➤ In order to reduce the incidence of mosquitoes, flies, mites, etc., spraying of essential medicines should be done on non-sick animals as well as in the shed.➤ Keep the cowshed clean. Care should be taken not to accumulate water in the barn.➤ Avoid animals and humans entering healthy areas. The number of visitors to the shed should be limited.➤ In case of death of animal, the body should be buried in a pit at least 8 feet deep in a scientific manner.➤ Closure of sale of cows and buffaloes, cattle market etc. should be stopped in the affected areas.➤ PPE kit should be used when treating infected or suspected animals or collecting disease samples. Wash your hands. Disinfect all materials after inspection.➤ Clean the affected area. Sterilize the area by spraying 1% formalin or 2-3% sodium hypochlorite solution.➤ In all villages within a radius of 5 km from the affected area, 4 months old cows and buffaloes should be inoculated by veterinarians with Goat Pox vaccine 1 ml / animal by sub-cutaneous method. Animals that are already infected should not be vaccinated.➤ If any symptoms of the disease are found in the animal, the breeder should immediately inform the nearest government hospital and seek appropriate treatment from a specialist.

Source:

1) Weather Forecast : India Meteorological Department, Regional Meteorological Centre, Mumbai



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Place : Krishi Vigyan Kendra, Nandurbar

Date : 17.09.2021

Sd/-

**Nodal Officer, GKMS-DAMU,
KrishiVigyan Kendra, Nandurbar**