



Agromet Advisory Bulletin

Date : 24-05-2024

Weather Forecast of **HINGNA** Block in **NAGPUR**(Maharashtra) Issued On :2024-05-24(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-05-25	2024-05-26	2024-05-27	2024-05-28	2024-05-29
Rainfall	2.5	3.9	0.0	0.0	0.0
Tmax(°C)	44.1	43.4	43.5	42.0	40.7
Tmin(°C)	28.8	28.6	28.3	28.4	28.1
RH-I(%)	62	65	60	56	55
RH-II(%)	37	36	33	31	26
Wind Speed(kmph)	6	5	5	4	5
Wind Direction(Degree)	163	168	264	288	279
Cloud Cover(Octa)	3	3	4	4	1

Weather Summary/Alert:

• As per the blocklevel value added forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy during next five days i.e. 25th to 29th, May, 2024. • Very light to light rainfall is very likely to occur on 25th and 26th, May, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur on 25th, and 26th, May, 2024. • Weather is likely to be dry on 27th, 28th and 29th, May, 2024. • No large change in maximum temperature over Vidarbha during next 5 days. • No large change in Minimum temperature over the Vidarbha during next 5 days.

General Advisory:

• To prepare kharif vegetable seedlings, sow seeds on raised bed (nursery). Seeds of Chili, Brinjal, and Tomato should be treated with Trichoderma fungicide and seed should be placed at appropriate spacing. • Land preparation should be done (ploughing, harrowing) across the main slop/parallel to counter line to avoid the soil erosion and in situ moisture conservation. • Considering the rainfall forecast, it is advised to give the priority for completion of harvesting and threshing of matured green gram, sesame, summer groundnut. Harvested and threshed agricultural produce should be stored in a safe place keeping in mind the forecast of rain. Care should be taken to ensure that crops like harvested summer mung, groundnut, turmeric left for drying in the open, do not come in contact with rain. Cover the crops produce with plastic sheet or tarpaulin. • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when gusty winds and thunder are predicted. Animals should be kept away from open water sources, rivers or lakes and away from tractors and other metal implements. Sufficient fodder and water should be arranged for the animals in the manger. • Farmers and farm labourers should take care of themselves and livestock keeping in mind the forecast of lightning. Sheltering under trees should be strictly avoided and also livestock should not shelter under trees. • Agricultural produce market committee and private agricultural produce purchase holders should store the agricultural produce brought by the farmers for purchase in the shed instead of in the open. • Marketable vegetables and fruits should be harvested and sold keeping in mind the forecast of gusty winds. Orchards should be supported with bamboo.

SMS Advisory:

• Green shade net should be used to protect summer vegetable crop from heat.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
COTTON	• Avoid pre-monsoon sowing of cotton crop. • Crop rotation to be followed in the fields that were heavily infested with pink bollworm during last season to break the life cycle of pink bollworm. • Cotton is the only host of pink bollworm, therefore

Crop(Varieties)	Crop Specific Advisory
	crop rotation helps to break the life cycle of this pest. • Crop rotation is very effective in checking the infection of soil borne diseases and nematodes in disease prone fields.
SOYABEAN	• As per suitability, farmers are advised to run the sub-soiler machine once in five years, at an interval of 10 m which facilitates the breaking of hard soil pan thereby increasing the rainwater infiltration and helps in case of drought. • Farmers are advised to apply deep summer ploughing once in 3 years. After this, the field should be prepared using criss-cross harrowing followed by planking. • Apply well-decomposed FYM @ 5- 10 t/ha or Poultry Manure @ 2.5 t/ha before the last harrowing. • Farmers are advised to follow Broad Bed Furrow (BBF) or Ridge & Furrow methods for sowing. • Ensure availability of other critical inputs like fertilizers, weedicides, fungicides, and cultures for seed treatment etc. • Ensure the seed quality (minimum 70% germination) by carrying out germination test of the available soybean seed.
GROUNDNUT	• For kharif groundnut cultivation, medium, well drained, humus rich, sand mixed clay soil and organic matter rich soil should be select. For groundnut cultivation, soil layer of 15 to 20 cm should be humorous. Apply 5 tons of well decomposed manure before the last harrowing.
PIGEON PEA (RED GRAM/ARHAR)	• Agricultural land should be prepared for cultivation of Arhar crop. Good quality seeds of Arhar crop should be procured from authorized seller/certified seed holder only.
SUGARCANE	• Suruplanting of sugarcane in February (after 8 to 10 weeks) should be irrigated with 2 bags of urea per hectare.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	• Follow irrigation with double ring method or square method irrigate orchard at 7 to 10 days interval. • Drip irrigation at the rate of 17-74, 102-166 and 187-235 litres per day for 1-4, 5-7, 8 years and above trees old respectively. • Marketable fruits should be harvested and sold keeping in mind the forecast of gusty wind and rain and supporting the fruit trees with the help of bamboo. • 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 help Water stress conditions often aggravate mite problem during these periods. Trees should be well irrigated, particularly during the stress in late summer. • Foliar application of Dicofol 18.5 EC @ 27ml or Propargite* 57 EC @ 20 ml or Ethion* 50 EC @ 20ml in 10 litre waters twice at 15 days' interval is necessary immediately during summer at water stress period. • To check the blackfly infestation during April, foliar application of Imidacloprid# 17.8 SL @ 5 ml or Dimethoate# 30 EC @ 20 ml per 10litre of water at 15 days' interval on the lower sides of leaves covering the entire tree canopy coinciding with adult emergence and 50% egg hatching necessary effectively to check the pest. s in reducing fruit crop. • Foliar application of gibberellic acid 1.5 gm + urea 1 kg may be given 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. • Installed Yellow Sticky trap @ 30 /acre (Using 30 x 40 cm size foam sheet with Castor oil as sticker at weekly interval to catches large number of adult sucking pest at 1.5 to 2.0-meter height above soil surface. • For effective management of gummosis of Nagpur mandarin gummosis-affected portion from where gum is oozing needs to be scraped out with sharp knife, taking care not to damage the wood. Cleaned portion pasting with Metalaxyl MZ* (50 g/l) or Fosetyl-Al* (50 g/l) at initiation of disease and second after 30 days from initiation of the disease.
CABBAGE	• Carry out harvesting of market ready curd and head of cabbage and cauliflower respectively. • Considering the prevailing cloudy weather, for management of aphids on Cabbage & Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantraniliprole 10.26 OD 12 ml per 10 liters of water. • Considering the prevailing cloudy weather, for management of Diamond Back Moth on Cabbage & Cauliflower, Spraying should be done of Chlorpyrifos 20 EC 40 ml or Spinosad 2.5 SC 12 ml or Fenvalerate 20 EC 5 ml per 10 liters of water. • Spraying operation should be done during the clear and calm weather.

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	- Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits and support the plant with bamboo. - In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition.
CHILLI	- Considering the increased temperature and cloudy weather in the chilli crop, for avoiding flower drop in chilli, apply Planofix 5 ml/9 litre of water, 50 to 70 days after planting. - Due to present weather condition for control of sap sucking pest on Chilli crops, spray 5 % Neem ark or imidacloprid 17.8 SL 5 ml per 10 lit. of water. - In chilli, if thrips, fruit borer and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
BUFFALO	- Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when gusty winds and thunder are predicted. Animals should be kept away from open water sources, rivers or lakes and away from tractors and other metal implements. Sufficient fodder and water should be arranged for the animals in the manger. - Offer 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	Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body to cool off. Give them green grass, protein-fat bypass supplement, mineral mixture and salt. Make them graze during cooler hours.
COW	Dairy cows should be given 8 kg dry fodder and 6 kg green fodder and 1 kg feed. Maize, sorghum, millet, wheat bran should be used in mixing in preparation diet. Add 20 gms per kg of mineral mixture in the diet.
GOAT	Vaccinate the goat against FMD, HS, PPR and enterotoxaemia. Offer clean and cold water (stored in earthen pot) to the animals.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	Provide curtains and proper ventilation in poultry house.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	It is advised to carry out deep ploughing after harvesting of rabbi crop field, which will help in warming the soil, help in eradication of insect pupae and harmful fungi, and improve soil tillage for sowing. Soil samples should be taken for soil testing and sent to authorised or government soil testing laboratory with appropriate charges.
GENERAL ADVICE	- At the time of purchasing seed, farmers are advised to check the detail on tag/label such as, name of crop, crop kind, variety, physical and genetic purity percentage, germination and inert matter percentage, net weight, lot and batch number, date of testing and packing, maximum retail price, moisture percentage etc. - Take the original bill from the seller and ensure that the signature on bill of both seller and seed purchasing farmers.