Gramin Krishi Mausam Sewa

Experimental Block Level Agromet Advisory Bulletin
(A Joint Initiative of IMD & ICAR)

Agromet Advisory Bulletin

Date : 26-12-2025

Weather Forecast of HINGNA Block in NAGPUR(Maharashtra) Issued On :2025-12-26(Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-27	2025-12-28	2025-12-29	2025-12-30	2025-12-31
Rainfall	0	0	0	0	0
Tmax(°C)	27	27.7	28.2	28.9	29.2
Tmin(°C)	13.5	13.4	13.5	13.6	13.8
RH-I(%)	62	53.4	52	49.9	50.4
RH-II(%)	25.6	21.2	20	19.2	18.9
Wind Speed(kmph)	6.7	6.2	5.6	6.6	5.2
Wind Direction(Degree)	15.5	20.6	26.6	12.5	12.1
Cloud Cover(Octa)	0	0	0	0	1

Weather Summary/Alert:

• As per the value added forecast given by, IMD, RMC, Nagpur, sky will be clear during next five days i.e., 27th to 31st, December, 2023. • Weather is likely to be dry on 27th, 28th, 29th, 30th and 31st, December, 2023. • There will be no large change in minimum temperature over the entire region for the next 04 days thereafter there will be gradual rise about 2 °C over the entire Vidarbha. There will be no large change in maximum temperature over the entire Vidarbha for next 07 days

General Advisory:

• Considering the prevailing cold condition, wheat, gram, vegetable crops and orchards should be lightly watered in the morning or evening to reduce the damage caused by cold and maintain the soil temperature. Mulching should be done using straw or crop residues, which will retain heat in the soil and protect the roots. Avoid applying fertilizers to the crop during the cold season, as low temperatures reduce root activity and the plants cannot take up nutrients. Avoid intercropping during cold wave, as loose soil reduces heat transfer from the lower layer. Wear adequate warm clothes while working in the field. Avoid letting livestock graze in the morning. Keep livestock in closed sheds at night, so as to protect them from cold. Provide artificial light in chicken sheds, which will provide warmth to the chicks and protect them from cold. • Considering the dry weather forecast for next 5 days it is advised to give the priority for finishing remaining harvesting and threshing of short duration pigeon pea and picking of cotton during next 5 days. • It is advised to continue the agrochemical spraying operations, intercultural operations and fertilizer application in standing crops. • For optimum yield in gram crop, the first irrigation should be given 30 to 40 days after sowing i.e. when the crop is in flowering stage and the second irrigation should be given 60 to 70 days after sowing i.e. in the pod filling stage. • Cloudy weather and lowering night temperature favours aphid incidence in mustard. For control of aphid incidence undertake spray of Thiometon 25 EC 8 ml per 10 lit of water or Dimethoate 30 EC 10 ml per 10 lit of water. Undertake need based irrigation for higher productivity in mustard. In case of availability of one irrigation schedule it at flowering stage, for availability of two irrigations schedule it at 30 days and flowering stage, for availability of three irrigations schedule it at 25 to 30 days interval. • Considering the availability of limited irrigation for wheat crop, irrigate 42 days after sowing if single irrigation is available, irrigate at 21 and 65 days after sowing if two irrigation is available, and if three irrigations available irrigate at 21, 42 and 65 days after sowing. • Under the availability of adequate irrigation facility, first irrigation should be apply at crown root initiation stage (18-20 days after sowing), second irrigation should be apply at maximum tillering stage (30 to 35 days after sowing), third irrigation should be apply at late jointing stage (45 to 50 days after sowing), fourth irrigation should be apply at the flowering stage (65 to 70 days after sowing), the fifth irrigation should be apply at the milky stage of the grain (80 to 85 days after sowing) to the wheat crop.

SMS Advisory:

• Wheat, gram, vegetable crops and orchards should be lightly irrigated in the morning or evening hours.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
MAIZE	• Maize crops should be irrigated at various stages such as seedling stage (25to 30 days after sowing), ear emergence (45 to 50 days after sowing), flowering stage (60 to 65 days after sowing) and grain filling (75 to 80 days).
BENGAL GRAM/ CHICK PEA	• For optimum yield in gram crop, the first irrigation should be given 30 to 40 days after sowing i.e. when the crop is in flowering stage and the second irrigation should be given 60 to 70 days after sowing i.e. in the pod filling stage. • To prevent the occurrence of wilt disease in gram crop avoid excess irrigation to avoid water stagnation in crop field and drenching of Trichoderma biological fungicide mixed with 40 grams per 10 liters of water should be sprayed or drenched or thiophanate methyl 70 WP 25 grams mix with 10 liters of water should sprayed. • 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 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. At Wafsa condition hoeing and weeding must be carried out twice; first at 20 and second at 30 days old plants to ensure weed free environment during the critical period of crop weed competition for better water and nutrient use efficiency.
MUSTARD	• • Cloudy weather and lowering night temperature favours aphid incidence in mustard. For control of aphid incidence undertake spray of Thiometon 25 EC8 ml per 10 lit of water or Dimethoate 30 EC 10 ml per 10 lit of water. Undertake need based irrigation for higher productivity in mustard. In case of availability of one irrigation schedule it at flowering stage, for availability of two irrigations schedule it at 30 days and flowering stage, for availability of three irrigations schedule it at 25 to 30 days interval. • For the management of Alternaria blight in mustard crops, spray Metalaxyl 8% + Mancozeb 64% WP 1000 grams per acre mixed with 400 liters of water.
WHEAT	• • Wheat crop should be irrigated first at 18 to 20 days after sowing at crown root initiation stage. Water stress at CRI stage reduces production by up to 33 %. • Considering the availability of limited irrigation for wheat crop, irrigate 42 days after sowing if single irrigation is available, irrigate at 21 and 65 days after sowing if two irrigation is available, and if three irrigation available irrigate at 21, 42 and 65 days after sowing. • Under the availability of adequate irrigation facility, first irrigation should be apply at crown root initiation stage (18-20 days after sowing), second irrigation should be apply at maximum tillering stage (30 to 35 days after sowing), third irrigation should be apply at late jointing stage (45 to 50 days after sowing), fourth irrigation should be apply at the flowering stage (65 to 70 days after sowing), the fifth irrigation should be apply at the milky stage of the grain (80 to 85 days after sowing) to the wheat crop. • Sowing of late irrigated wheat should be done till 07th, January. For sowing of late irrigated wheat varieties viz., AKAW-4627 and PDKV Sardar (AKAW-4210-6) should be select. For late sowing of irrigated wheat 150 kg seed per hectare should be used for sowing. For coarse seed varieties like HD 2189 or Purna of wheat crop, 125 kg seed per hectare should be used. • Apply 80 kg N, 40 kg P and 40 kg K per hectare for late sowing wheat. For both irrigated and late sowing, apply half dose of nitrogen as well as full phosphorus and potash at the time of sowing and the remaining half dose at the time of first irrigation (18 to 20 days after sowing).
COTTON	• Give priority for clean picking of cotton. Keep the picked cotton, variety wise. 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
TOMATO	• If the symptoms of Late Blight of tomato was noticed, 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.
MANDARIN ORANGE	• Harvesting of Ambia bahar fruits should be completed as far as possible and the trees should be put on water stress by withdrawing irrigation. For adequate stress spray cycocel @ 2 ml/lit of water. Dead wood pruning may be done after harvest of Ambia fruits which should be immediately followed by spraying of fungicide, Carbendazim @ 1 gm/litre water. Nurserymen should start budding programme. Budding should be done 20 to 25 cm above ground level. Drip irrigation on Mrig bahar bearing trees of Nagpur mandarin and sweet orange should be continued. Apply by drip irrigation 41 litres water/day/tree to 6 years tree and 82 litres water/day/tree to 10 years and above trees. Continue drip irrigation for Mrig bahar crop. In case of incidence of citrus mite that cause brownish patches on the outer skin of the fruits spray dicofol @ 2 ml or Wettable sulphur @ 3 g or propargite @ 1 ml per litre of water. After 15 days second application should be given with any one of the two above miticides to check “Lalya” effectively. For citrus leaf miner management particularly in nursery pluck and destroy the affected leaves and spray thiamethoxam @ 0.3 g or imidaclopride @ 0.5 ml or Quinalphos @ 2 ml or dimethoate @ 2 ml/lit water. Second spray with any of the above insecticides should be given for better result after 15 days. If there is an incidence of Phytophthora (gummosis) on trunk of tree, scrap out the gum oozing portion, wash it with potassium permanganate solution and apply fosetyl Al or mefenoxam MZ paste.
CHILLI	• Due to alternative low and high temperature coupled with high humidity, if the powdery mildew disease is noticed on chilli crop, spraying should be done of any of following fungicide, Hexaconazole 75 % WG @ 66.7 gram or Tebuconazole 25% WG @ 500-750 gram or Azoxystrobin 8.3 % + Mancozeb 66.7 % WG @ 1500 gram or Boscalid 25.2% + Pyraclostrobin 12.8 % WG @ 600 gram or Carbendazim 12 % + Mancozeb 63 % WP @ 750 gram or Kresoxim-Methyl 15 % + Chlorothalonil 56 % WG @ 1000 gram or Tebuconazole 10 % WP + Sulphur 65 % WG @ 1250 gram or Tebuconazole 50 % + Trifloxystrobin 25% WG @ 250 gram mixed with in 500 litre of water per acre for management of disease.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	• To protect livestock from cold weather, keep the animals indoor during night hours. Provide suitable bedding like paddy straw, wheat straw, saw dust etc. of 4-6-inch thickness to protect the animals from cold. The floor of the animal shed should be kept clean and dry. Provide clean and potable drinking water to animals round the clock. Clean the water trough (once in a week) regularly in livestock. Provide mineral mixture @ 30-40 g/day to cattle for improving the milk production and reproduction efficiency.

Fishieries Specific Advisory:

Fishieries(Varieties)	Fishieries Specific Advisory
FRESH WATER	• As feed intake decreases with decrease in temperature, it is essential to reduce the feeding rate by 50-75% depending on the temperature. During winter the surface water of the pond is colder than bottom layer where, fish prefer to spend more time. Hence fish farmer may keep the water depth up to 6 feet. The farmers are advised to aerate their ponds either by adding fresh water or by using aerators, especially during early hours of the day.