Gramin Krishi Mausam Sewa

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

Agromet Advisory Bulletin

Date : 18-03-2025

Weather Forecast of HINGNA Block in NAGPUR(Maharashtra) Issued On :2025-03-18(Valid Till 08:30 IST of the next 5 days)

Parameter	2025-03-19	2025-03-20	2025-03-21	2025-03-22	2025-03-23
Rainfall	0	0.1	0.5	1.3	0.1
Tmax(°C)	38.1	39.4	38.4	37.7	37.2
Tmin(°C)	24.5	26.6	27.2	25.4	23.7
RH-I(%)	30.4	31.4	42	45.9	52.3
RH-II(%)	13.7	14.1	16.5	16.5	12.4
Wind Speed(kmph)	7.7	5.8	9.4	5.6	5.8
Wind Direction(Degree)	37.4	111.8	175.6	116.6	86.4
Cloud Cover(Octa)	1	3	4	4	1

Weather Summary/Alert:

• As per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be clear to partly cloudy during next 5 days i.e. 19 to 23, March, 2025. • Weather is likely to be dry on 19, 20, 21 March, 2025. • Light to moderate rainfall is likely to occur on 22 and 23 March, 2025. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur on 22 and 23 March, 2025. • There will be no large change in maximum temperature for next 24 Hrs. Thereafter gradual fall by 2-3°C for subsequent days over the Vidarbha.

General Advisory:

• Considering the forecast of possible rains after the next 48 hours, priority should be given to completing the harvesting and threshing of mature gram, wheat, linseed, mustard and other Rabi season crops before the next 48 hours. The harvested crop should be stored in a dry and safe place. If threshing is not possible, the harvested crop should be covered with a plastic sheet or tarpaulin. • Intercultural operations (hoeing, weeding, etc.) in seasonal crops, orchards, vegetable crops, spraying of agrochemicals for pest and disease management and fertilizer application in standing crops should be completed before the next 2 days. • Considering the forecast of thunder, lightning and wind, livestock should be avoided from grazing in open grazing areas. Fodder and water should be provided to the animals in the barn. While working in the field, as soon as there is a thunderstorm, take shelter in a safe place. Considering the past incidents in the district, avoid taking shelter under palm, neem and any other tree during thunderstorms. • Considering the forecast of stormy winds, marketable fruits and vegetable crops should be harvested and sold. Fruit trees should be supported with the help of a tree stump. • Repair work of the cowshed should be done on priority in the next 2 days. • To prevent damage to the agricultural produce brought for sale by farmers to the Agricultural Produce Market Committee or open market, avoid storing agricultural produce in the open, store agricultural produce in sheds.

SMS Advisory:

• Considering the forecast of stormy winds, marketable fruits and vegetable crops should be harvested and sold. Fruit trees should be supported with the help of a tree stump.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
SESAME (GINGELLY/TIL)	• Irrigate sesame crop at intervals of 12 to 15 days according to the depth of the soil. While irrigating, ensure that water does not stagnate in the crop area. Keep the field cleans by weeding/hoeing 2 to 3 times as required. Since the initial growth of the crop is slow, care should be taken that the field should be weed free until the crop is one month old.
GROUNDNUT	• Irrigate summer groundnut crop with two rows at intervals of every 8 to 10 days.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ONION	• Irrigate the onion crop after transplanting, subsequently at 7-10 days interval depending upon the soil moisture. • First top dressing of nitrogen @ 35 kg/ha has to be applied at 30 days after transplanting. • Second top dressing of nitrogen @ 35 kg/ha is recommended at 45 days after transplanting. • Foliar spray of Carbosulfan (2 ml/L) along with Tricyclazole (1 g/L) is recommended to control diseases and pests, if required. • Second foliar spray of profenophos (1 ml/L) along with Hexaconazole (1 g/L) is recommended after 15 days of previous spray, if required. • Third foliar spray of Fipronil (1 ml/L) along with Propiconazole (1 g/L) is recommended after 15 days of previous spray, if required. • Foliar application of micronutrient mixture (5 g/L) is recommended at 45, 60 and 75 days after transplanting.
GARLIC	• Garlic crop requires less but regular irrigation. After germination, irrigation should be given at intervals of 8 to 10 days according to the soil moisture status and crop need. Generally, 12 to 15 irrigations are required. • Foliar application of micronutrient mixture (5 g/L) is recommended at 30, 45 and 60 days after planting. • First prophylactic spray of Carbosulfan (2 ml/L) along with Tricyclazole (1 g/L) is recommended to control diseases and pests, if required. • Second spray of Profenophos (1 ml/L) along with Hexaconazole (1 g/L) is recommended after 15 days of first spray, if required. • If first two sprays were over, third spray of Fipronil (1 ml/L) along with Propiconazole (1 g/L) is recommended after 15 days of second spray, if required. • First top dressing of N at 25 kg/ha is recommended at 30 days after planting. • Second top dressing of N at 25 kg/ha is recommended at 45 days after planting. • If there is incidence of red spider mite, foliar spray with elemental sulphur (2 g/L) or dicofol (2 ml/L) is recommended.
MANGO	• Considering the gusty wind forecast, it is advised to support the plant with bamboo. Harvest the market ready fruits and sale. • If the infestation of Jassids on mango trees is notice and crossing ETL then, spraying should be done of Buprofezin 25 % SC 10 ml or Deltamethrin 2.8 EC 5 ml or Imidacloprid 17.8 % SL 4 ml or Lambda cyhalothrin 5 % EC 5 ml or or Dimethoate 30 EC 16.5 ml per 10 liters of water and spraying should be done on stems, branches, tops and inflorences of mango. • At flowering stage of mango tree, In case of symptoms of powdery mildew disease shows on trees spraying should be done of water soluble sulfur 80 % WP 30 gm or Tetraconazole 3.8 % EW w/w 12.5 ml or Hexaconazole 5% EC 10 ml mix with per 10 liters of water.
WATER MELON	• Considering the gusty wind forecast, Harvest the market ready fruits and sale. • Remove the weeds by hand weeding after 15, 30 and 45 days of sowing. • Irrigate at regular intervals of time as watermelon responds well to irrigation. Over watering frequently is not recommended as it promotes excessive vegetative growth. Stop the irrigation during ripening as it will adversely affect fruit quality and leads to fruit cracking. Don’t allow water stagnation. Avoid water stress during pre-flowering, flowering and fruit development stages. Irrigate only the root zones and avoid wetting the vegetative growth, flowers and fruits. • Prune the excessive vine growth manually to restrict vegetative growth and promote higher female: male flower ratio. If apical shoot is pinched and 2-4 side shoots are allowed to grow, it gives significantly higher yield. Thin the fruits to retain only maximum of 4-5 fruits per vine to improve fruit size and yield.

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	• Considering the gusty wind forecast, it is advised to support the plant with bamboo. Harvest the market ready fruits and sale. • During this month due to rise in temperature drip irrigation should be given @ 12-53, 78- 127, and 145-180 liters per day for trees 1-4, 5-7, 8 years old and above respectively. Follow double ring method of irrigation and irrigate orchard 7 to 10 days. Use mulching in basins. • During this month if there is Phytopthora symptoms on the tree trunk then scrap the affected part of the trunk, wash the surface with potassium permanganate solution and apply Mefenoxam MZ-68 paste. Spray Mefenoxam MZ-68 @ 2.50 g/liters or fosetyl Al @ 2.5 g/litre fungicide on the tree covering the whole plant canopy. • Apply Bordeaux paste on the tree trunk up to height of 60 cm by paint brush. • In case of citrus pyslla and leaf miner attack, spray dimethoate1.5 ml or Imidacloprid 0.5 ml or quinalphos 2 ml or Thiamethoxam 0.3 g in one liter water. Repeat spray after 15 days interval. • In case of lemon butterfly infestation, spray quinalphos 2 ml or fenvalerate 1 ml in one liter water. Repeat spray after 15 days. • Spray 2, 4D1.5gm with 1kg urea in 100 liters water to prevent fruit drop in Ambia fruits. • Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 35 to 40 degree Celsius.
TOMATO	• Considering the gusty wind forecast, it is advised to support the plant with bamboo. Harvest the market ready fruits and sale.
CABBAGE	• Considering the rainfall and gusty wind forecast, the market ready Cabbage should be harvested and sold.
CAULIFLOWER	• Considering the rainfall and gusty wind forecast, the market ready cauliflower should be harvested and sold.