Gramin Krishi Mausam Sewa

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

Agromet Advisory Bulletin

Date : 03-10-2025

Weather Forecast of KATOL Block in NAGPUR(Maharashtra) Issued On :2025-10-03(Valid Till 08:30 IST of the next 5 days)

Parameter	2025-10-04	2025-10-05	2025-10-06	2025-10-07	2025-10-08
Rainfall	7.4	6.6	11.3	5.9	3.8
Tmax(°C)	29.6	28.9	28.7	29	29.7
Tmin(°C)	23.6	23.4	23.2	22.6	22.2
RH-I(%)	93.2	93.4	93	90.6	90.1
RH-II(%)	65.6	70.6	72.2	67.3	61.7
Wind Speed(kmph)	9.9	9.5	8.4	8.4	6.9
Wind Direction(Degree)	313.6	299.5	301	309.8	308.7
Cloud Cover(Octa)	8	8	8	6	3

Weather Summary/Alert:

• As per the value added forecast given by, IMD, RMC, Nagpur, sky will be partly to mostly cloudy during next five days i.e. 04 to 08 October, 2025. • Light rainfall is likely to occur on 04, 05, 06 and 08 October, 2025. • Light rainfall is likely to occur on 07 October, 2025. • Thunderstorm with lightning likely to occur on 04, 05 and 06, October, 2025. • There will be fall in maximum temperature by 2 to 3 degree Celsius over Vidarbha region during next 48 hours; thereafter no large change is expected in maximum temperature. • As per the Sub Division wise Extended Range Rainfall Forecast, normal rainfall, below normal maximum temperature and normal minimum temperature is likely to be occurring over Vidarbha during 08 to 14 October, 2025.

General Advisory:

• Considering the light rainfall forecast, harvesting and threshing of mature crops like Soybean, Green gram and Black gram etc. should be completed as soon as possible. • Agrochemicals spraying, fertilizer application, intercultural operations should be completed during early morning hours keeping in the view of thunderstorm and lightning forecast for next days. • Spraying of essential agricultural chemicals should be done during local dry, clear and calm weather conditions. • Cows, buffaloes, goats, sheep and other domestic animals should be avoided to graze in the open spaces on days when thunders 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.

SMS Advisory:

• Considering the light rainfall forecast, harvesting and threshing of mature crops like Soybean, Green gram and Black gram etc. should be completed as soon as possible.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	• Pest and disease management: - • Stem borer control: - Regular inspection of crop should be done and the infested uproot the tillers and destroy them. This should be done at least 3-4 times in a season. Pheromone traps should be set 20 per ha. Trichogramma japonicum (Trichocard) is a parasitic insect release 50,000 eggs per hectare 3 to 4 times every 7 days. Chemical control: - Spray Chlorantraniliprole 0.4% G @ 10 kg. Bio-fungicidal agent like Metarhizium, Beauveria @ 40 g per 10 liters of water should be used. Azadirachtin 0.15% @ 30 to 50 ml as soon as 5

Crop(Varieties)	Crop Specific Advisory
	percent of the affected plants are seen in the field. or Quinalphos 25 % @ 26 ml. or Carbosulfan 25 % @16 ml. or Chlorantraniliprole 18.5% SC @ 3 ml per 10 liters of water. or Carbofuron 3 % G @25 kg/ha. or Fipronil 0.3 % G @16.67 kg. / ha. Apply it in the paddy bunds. or As soon as 10% infested tillers appears in the field Chlorantraniliprole 0.4% G @ 10 kg. or Cartap Hydrochloride 4 g @ 18 kg. or Fipronil 0.3 g @ 25 kg. apply per hectare when there is water in paddy bund. While using chemical pesticides, one should use all safety precautions. • 2) Gall midge: - Apply Carbofuran 3% G @ 25 kg per hectare by maintaining water level 7 to 10 cm. Do not remove water from paddy bunds for 4 to 5 days. These pesticides should be used again after 30 days as required. • 3) Plant hoppers: - Although rice crop is prone to plant hoppers, use Metarhizium anisopliae as a bio-insecticide 1.15% @ 2.5 kg/ha. Buprofezin 25% @16 ml for control as soon as the level of financial loss is exceeded. or Imidacloprid 17.8 SL.@ 2.0 ml. or Fipronil 5 SC@ 20 ml. or Flonicamid 50 WG @ 3.0 gm Mix in 10 liters of water and spray. • 4) Blast and Neck blast: - Spray Hexaconazole 5% EC @ 20 ml. or Mencozeb 75% @ 30 gm per 10 liters of water. • 5) Bacterial leaf blight: - Spray Copper hydroxide 53.8% DF @ 30 gm + Streptocycline 1.5 gm per 10 liters of water. • Water Management: - 1) After paddy planting till the roots of the plant are well established, the water level should be 2.5 cm. (one inch) should be kept. After this, the level is usually about 5 cm till the grain matures. (two inches) should be increased. • 2) Maintain 10 cm (Four inches) water level in transplanted rice / paddy field 10 days before panicle initiation and 10 days after panicle initiation. Water stress should not be allowed when the crop is in flowering stage.
COTTON	• Spraying of essential agricultural chemicals should be done during local clear and calm weather conditions after the current spell rainfall. • Farmers are advised to drain out the excess water from cotton fields in the area where rainwater stagnated in the crop field. • Parawilt management: If sudden drying or Parawilt symptoms appeared in the fields, immediately drench the affected plants with copper oxychloride 50 WP@30 g or Carbendazim 50 WP @12 g + urea 150-200 g mixture in 10 litres of water • Apply spray of NAA 4.5 SL @ 3.5 ml /10 litres of water to prevent natural shedding of squares and flowers of cotton and Mepiquat Chloride @10-12 ml/10 litres of water to restrict the excess vegetative growth of cotton. • Undertake spray of 2% Urea at flowering stage and 2% spray of DAP at the boll development stage of cotton. • Monitor infestation of sucking pests and bollworm infestation. To manage sucking pests, spray Imidacloprid 17.8% @ 60ml or Flonicamid 50 WG @ 80g or Dinotefuran 20 SG @ 60 g or Tolfenpyrad 15 EC @300 ml per acre. • Install pheromone traps @ 2 per acre to monitor pink bollworm and undertake spray of neem-based formulation (1500ppm). Observe 20 plants of cotton for pest infestation, on crossing ETL (5-8 moths per trap per night for 3 consecutive nights), spray Profenofos 50EC @ 600ml or Emamectin benzoate 5%SG @ 100g or Indoxacarb 14.5%SC @ 200ml or Chlorpyrifos 20%EC @ 500ml per acre. • For management of fungal foliar spots and boll rots, foliar spray of Azoxystrobin 18.2% + difenoconazole 11.4% SC @ 1 ml or propiconazole 1 ml or Thiophanate methyl 70 WP @ 2.5 g or Carbendazim 50 WP@ 0.4 g or Carbendazim 12%+Mancozeb 63% WP@2.5 g or Kresoxim methyl 44.3 SC @1 ml or Propineb 70 WP @ 2.5 g or Metiram 55% +Pyraclostrobin 5% WG @ 2 g or Fluxapyroxad 167 g/L + Pyraclostrobin 333 g/L SC @ 0.6 ml per liter of water is recommended twice at 15 days interval.
SOYABEAN	• It is necessary to remove the accumulated water in the field from the field in the direction of the slope. On account of forecasted rainfall, it is advised to harvest the matured soybean and harvesting should be done, if the harvesting is not possible, it is advised to store the harvested produce at elevated field or threshing yard. Cover the harvested produced by plastic sheet or tarpaulin to avoid damage.
PIGEON PEA (RED GRAM/ARHAR)	• Nipping (Removing the apical bud) is beneficial for increasing tur (pigeon pea) production:- The first nipping should be done about 40 to 45 days after sowing and the second nipping should be done after 60 to 65 days so that more shoots and branches are produced. Nipping should be done by hand to make them two to three inches deep. After nipping, applying phosphorus fertilizer also helps in the establishment of flowers and pods, which increases the yield. • Due to congenial weather wilting/blight symptoms are observed in kharif pigeon pea, for control undertake drenching with copper oxychloride 50 % WP @ 25 g OR captan 75%WP @ 20 g in 10 litres of water. For control of incidence of Phytopthora blight (stem rot or stem blight) observed in pigeon pea undertake spray of Fosetyl AL 80% WP@ 20 g in 10 litres of water.

Crop(Varieties)	Crop Specific Advisory
GREEN GRAM	• Immediately undertake remaining harvesting and threshing of late sown matured green gram and black gram crop and store in safe storage place.
MAIZE	• At silking stage for mild incidence of maize army worm use of insecticides may not be feasible instead undertake mechanical picking of egg larvae masses & its destruction regularly.
SAFFLOWER	• Early sowing of safflower (Bhima, AKS-207, PKV-Pink, Nari-6) up to 1st week of October escapes the damage caused by aphid incidence, however, avoid sowing during moderate to heavy rain forecast period. • For above, seed treatment with Azatobacter + PSB (each 25 g / kg seed) and bio fungicide Trichoderma @ 4 g per kg seed is advisable.
BENGAL GRAM/ CHICK PEA	• Rainfed chickpea (Jaki 9218, PDKV Kanchan, Vijay) can be sown up to first fortnight of October. Seed treatment with Rhizobium + PSB (each 25 g / kg seed) and bio fungicide Trichoderma @ 4 g per kg seed is advisable.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
MANDARIN ORANGE	• Spraying of essential agricultural chemicals should be done during local clear and calm weather conditions after the current spell rainfall. • Colletotrichum stem end rot or petiole drying- For fruit drop caused by Colletotrichum stem end rot, spray with Bordeaux mixture 0.6% or Copper Oxychloride 50 WP* 2.5 gm per liter or Azoxystrobin + Difenconazole* 1 ml per liter of water. • Greasy spot- For faster decomposition of fallen leaf litter, use bio-decomposers (1 kg/tree) mixed with manure. Generally, spray with Zineb# (20 g/10 l. water) or horticultural mineral oil 2% (200 ml/10 l. water) or pre-mixed fungicide Hexaconazole 4% + Zineb 68% WP 15 g/10 l. water. Use of mineral oil or fungicides reduces the entry of spores into the leaves and reduces the germination of spores. If there is fungal infection, the development of symptoms is prevented or delayed, and the severity of oily spots is reduced. • Brown rot (brown rot on fruit) First of all, the leaves and fruits that have fallen on the trees should be disposed of and should not be left in the field, otherwise it helps in increasing the severity of the disease and the infection spreads rapidly. Keep the fruit pile clean; do not keep piles of fruit anywhere in the orchard as they spread the disease. As a preventive measure to prevent the spread of leaf spot and brown rot on the fruit caused by Phytophthora fungus, spray the entire tree with Fossil A.L.* 2.5 gm or Copper Oxychloride 50 WP* 3 gm per liter of water. While spraying, spray the circumference of the tree as well, so that if the fallen fruits have not been picked, the fungus on them will be destroyed and it will help in destroying the active spores in the soil. For better results, do not mix any other similar fungicides/insecticides/soluble fertilizers with this agrochemical. If Phytophthora fungus is infested on the roots, mix Cymoxanil 8% + Mancozeb 64% WP# (with mixed ingredients) fungicide 25 gm in 10 liters of water and mix 2.5 ml of linseed oil in this mixture and mix this solution in the fruit or Metalaxyl M 3.3% Chlorothalonil 33.1% SC# (mixed fungicide) 20 ml in 10 liters of water and spray the solution. • Fruit fly- To attract the males of fruit fly, fruit fly traps (methyl eugenol) should be hung on the trees in the garden at the rate of 25 per hectare about 2 months before harvesting. The fallen fruits in the garden should be picked and destroyed and the garden should be kept clean. The fruit fly's cocoon is 2 to 3 centimetres deep in the soil. The soil under the tree should be shaken or raked. • Orange sap-sucking moth For the orange sap-sucking moth, host weeds other than the orange crop should be destroyed, e.g., gulvel, vasanvel, candelilla etc. The host plant remains in the larval stage. Generally, in the evening (7 to 11 pm), grass should be burned on the garden embankment and smoke should be done, during the ripening of the fruit One mercury lamp should be installed in each of the four corners of the garden and
BRINJAL	• Due to rainfall, higher humidity and cloudy weather condition in last week, if the incidence of fruit and shoot borer is noticed on brinjal crop, spraying should be done of any of following insecticides on crossing ETL, Carbosulfan 25 % EC 1250 ml per hectare or Deltamethrin 02.80 % EC 400 to 500 ml per hectare or Emamectin benzoate 05 % SG 200 gram per hectare or Lambda-cyhalothrin 04.90 % CS 300 ml per hectare or Spinosad 45 % SC 162 to 187 ml per hectare or Thiacloprid 21.70 % SC 750 ml per hectare or Chlorantraniliprole 09.30 % + Lambda-cyhalothrin 04.60 % ZC 200 ml per hectare mix with in 500 litres of water per hectare.

Horticulture(Varieties)	Horticulture Specific Advisory
LINSEED	• Sowing of rainfed linseed (PKV-NL-260) can be undertaken up to first fortnight of October. Seed treatment with Azatobacter + PSB (each 25 g / kg seed) and bio fungicide Trichoderma @ 4 g per kg seed is advisable.
CHILLI	• In chilli crop undertake spray of Difenconazole 25 EC@ 5 ml OR Azoxystrobin 23 % SC @ 10 ml in 10 litres of water for control of dieback and fruit rot disease.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	• During October, as per the forewarning issued by ICAR–NIVEDI, livestock in Maharashtra are at risk of Fascioliasis, Lumpy Skin Disease (LSD), Haemorrhagic Septicaemia (HS), and Enterotoxaemia (ET). Farmers are advised to adopt preventive measures to avoid heavy losses. • For Fascioliasis (liver fluke disease), animals should not be allowed to graze in marshy or waterlogged pastures. Sheds must be kept dry with proper drainage, and only clean drinking water from borewells or tubewells should be provided. Avoid fodder from swampy areas. Deworming with flukicidal drugs such as closantel, triclabendazole, or rafoxanide should be done strictly under veterinary guidance, and a regular deworming schedule must be followed. • For Lumpy Skin Disease (LSD), sheds should be well-ventilated and protected with mosquito nets or insect screens. Regular cleaning with lime or disinfectants is necessary. Balanced nutrition with mineral mixtures and plenty of clean water will boost immunity. Vaccination with Goatpox or LSD vaccine should be carried out as per state veterinary guidelines. Spraying insect repellents like cypermethrin or deltamethrin is recommended for controlling mosquitoes, flies, and ticks. • For Haemorrhagic Septicaemia (HS), proper hygiene in sheds must be maintained and overcrowding avoided. Animals should be protected from sudden weather changes like rain or cold. Adequate green fodder, concentrate feed, and clean water should be provided. Cattle and buffaloes must be vaccinated with HS vaccine preferably before or immediately after the monsoon. Regular deworming and ectoparasite control reduce stress on animals. • For Enterotoxaemia (ET), which mainly affects sheep and goats, animals should not be suddenly exposed to lush, high-protein pastures after dry periods. Sheds must be kept dry and clean. Sudden changes in diet should be avoided, and roughage must be given before concentrates. Vaccination with ET (Clostridial) vaccine is strongly recommended, and regular deworming helps reduce parasite load. • For flood-affected livestock (cows, buffaloes, goats, bullocks), special care is essential. Relocate animals to dry and elevated areas, provide dry bedding, and keep sheds disinfected. Avoid feeding moldy or water-soaked fodder and give only clean water. Check for wounds, foot rot, or maggot infestations and treat them immediately. Deworm animals post-flood, resume vaccination schedules, and use insect repellents to control flies and mosquitoes. • As a general advisory, farmers must keep records of vaccination and deworming, immediately report any unusual illness or sudden death to the nearest veterinary dispensary or KVK, and ensure livestock insurance wherever possible for financial protection.