



Amravati District Agromet Advisory Bulletin No. : 42 / 2024-25

Day & Date : Friday 17.01.2025

Weather Parameters	Weather Forecast (Valid for 17 th January 2025 To 21 st January 2025)				
	17/01	18/01	19/01	20/01	21/01
Date	17/01	18/01	19/01	20/01	21/01
Rainfall (mm)	0	0	0	0	0
Tmax (°C)	29.5	29.3	30.4	30.5	30.1
Tmin (°C)	17.2	17.5	17.2	16.3	16.4
RH-I (%)	68	65	63	41	49
RH-II (%)	41	37	39	41	43
Wind Speed (km/hr)	5	4	4	6	6
PM Wind Direction	99	96	103	83	110
Cloud cover	Clear	Clear	Clear	Clear	Clear

Crop	Stage	Weather Based Agro Advisory
Forecast	-	Today's forecast for the district indicates dry weather very likely to occur during 17 - 21 January, thereafter there will be no large change for subsequent days over the region.
General	Branching	<ul style="list-style-type: none"> Need based protective irrigation is advisable in chickpea, wheat crop.
Cotton	Picking	<ul style="list-style-type: none"> Do not extend cotton crop duration through fertilization/irrigation which will increase possibility of increase in Pink bollworm. Ratooning should be discouraged. Farmers are also advised to remove cotton stalks out of field after picking of cotton is over. Removal and destruction of crop residues is advisable immediately after last harvest to avoid carryover of the pest (PBW) to the next season. At cotton collection and storage centers cleanliness and mass trapping for pink boll worm through pheromone trap is advisable to reduce carry over in next season.
Pigeonpea	Harvesting	<ul style="list-style-type: none"> Undertake harvesting of matured pigeonpea crop and ensure safe storage of harvested produce.
Chickpea	Vegetative / Flowering	<ul style="list-style-type: none"> At present low minimum temperature and light fog is likely to cause flowering in the crop, for its remedial action undertake light irrigation to gram crop or spray water on the crop with a spray pump, so that the leaf fog disappears and will not harm the crop. Smoke should be created by burning stick waste on the farm embankment. Undertake spray of nitrobenzene 10 ml to give scope for flower growth and NAA (Naphthelene Acetic Acid) 2 ml 10 liters of water to stop flower shading. Undertake need based intercropping and irrigation in chickpea crop. In chickpea field monitor for collar rot / root rot. For control uproot and destroy affected plants followed by soil application of Trichoderma mixed with FYM at observed infested patches of the field.. For pod borer (Helicoverpa) management erect bird perches @ 20/ha randomly in the field to encourage predation by insectivorous birds. Install pheromone traps (hexalure) @ 5/ha for monitoring the incidence of pod borer (Helicoverpa). Undertake control measures if 8 to 10 adult moths are observed in the trap over 3 consecutive days.. For management of pod borer (Helicoverpa) undertake first spray at 50% flowering stage with 5% NKSE OR Azadirachtin 1500 PPM @ 25 ml OR HaNPV (1x10⁹ POB/ml) 500 LE/ha, OR quinalphos 25%EC @ 20 ml per 10 litres of water. Fifteen days after first spray undertake second spray with Emamectin benzoate 5% SG @ 3 g OR Ethion 50% EC @ 25ml OR Flubendiamide 20% WG @ 5 g OR Chlorantraniliprole 18.5 % SG @ 2.5 g per 10 litres of water.
Wheat	Vegetative	<ul style="list-style-type: none"> In late sown irrigated wheat crop, top dressing of nitrogenous fertilizer (@ 50 kg N/ha) 20-25 days after sowing (CRI stage) at the time of irrigation is advisable. In case of limited water availability apply three irrigations schedule at 21, 42 and 65 days crop stage. Undertake weeding in late sown wheat as initial 30-40 days is critical period for weed control.
Groundnut	Sowing	<ul style="list-style-type: none"> With assured irrigation facility, sowing of summer groundnut (TAG 24) can normally be undertaken from second fortnight of January onwards when optimum temperature range for germination prevails (minimum temperature >15°C) preferably BBF sowing with sprinkler irrigation is advisable for summer groundnut. Seed treatment with Trichoderma 5g/kg seed and rhizobium and PSB (each 250g / 10-15 kg seed) is advisable.
Mustard	Vegetative / Flowering	<ul style="list-style-type: none"> For higher productivity protective irrigation is advisable. Undertake need base interculture operation.
Safflower	Vegetative / Flowering	<ul style="list-style-type: none"> Monitor for incidence of sap sucking aphids particularly in irrigated / late sown safflower crop and for above ETL level incidence (30% infested plants) undertake spray with dimethoate 30% EC @ 13 ml /10 litres of water. For higher productivity protective irrigation is advisable in safflower. In case of availability of one irrigation schedule it at 50 days crop stage, for availability of two irrigations schedule it at 30 and 50 days crop stage, for availability of three irrigations schedule it at 30, 50 and 65 days crop stage.
Fruit crops	-	<ul style="list-style-type: none"> Harvesting of Ambia bahar fruits should be completed as far as possible by this time. Dead wood pruning may be done after harvest of Ambia bahar fruits which should be immediately followed by spraying of fungicide, Carbendazim @ 1 gm/litre water. For next season of Ambia bahar the trees should be put on water stress by withdrawing irrigation. For adequate stress spray cycocel @ 2 ml/lit of water. 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, 65 litres water/day/tree to 8 years tree and 82 litres water/day/tree to 10 years and above trees. Application of organic mulches in tree basins is advisable for thermal insulation to reduce cooling of soil surface during cold weather period and reduce soil evaporative loss.
Vegetable	-	<ul style="list-style-type: none"> Harvest and Immediately harvest mature fruits & with safe storage. Need based protective irrigation is advisable in vegetables. Undertake nursery sowing of onion (white onion varieties: Akola safed, Phule safed, Yashoda, Bhima Shweta; Red onion varieties: Pusa Red, Niphad 53, Agrifound light red, N 2-4-1, Arka Pragti).
Livestock	-	<ul style="list-style-type: none"> Protect poultry birds/chicks from cold winds by hanging curtain/clothing from outside the poultry shed. Use of electric bulbs (5-6 hrs) for heat is advisable. Screening of farm livestock, draught / milch animals for diseases be considered and they be vaccinated for foot and mouth disease (FMD). For livestock green feed, with availability of irrigation water, undertake sowing of fodder crops.

This Agro Advisory Bulletin (AAB) is prepared & published with the consultation and recommendation of SMS committee of "Gramin Krishi Mausam Sewa" (GKMS) Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. 444005 (MS).

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