



AGROMET ADVISORY BULLETIN

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89) Weather based Agromet Advisory committee meeting dated 05.01.2021

District: Nashik

Last Week Weather Summary (29.12.2020 to 04.01.2021)							Weather Parameters	Weather Forecast (06.01.2021 to 10.01.2021)				
29	30	31	01	02	03	04	Date	06	07	08	09	10
0	0	0	0	0	0	0	Rainfall (mm)	6	0	0	5	0
29.0	28.6	29.6	30.2	29.5	30.2	29.6	Max. Temp. (°C)	28	29	29	29	18
13.2	14.2	13.5	15.4	16.4	16.2	16.4	Min. Temp. (°C)	17	17	18	18	17
Clear	Clear	Clear	Clear	Clear	Cloudy	Cloudy	Cloud Cover	P.Cloudy	P.Cloudy	P.Cloudy	P.Cloudy	Cloudy
50	50	63	81	77	51	83	Max. RH (%)	67	58	66	71	72
37	27	34	49	55	53	53	Min. RH (%)	47	37	42	46	48
5.0	5.0	6.1	3.8	3.2	2.9	3.0	Wind Speed (km/hr)	4	6	4	6	6

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Sky will remain partly cloudy to cloudy during 5 days of forecast. During 7 th and 8 th January, there is warning for thunderstorm accompanied with lightening in isolated patches. No large change in minimum temperature over the region during next 2-3 days.
General Advisory		Use Meghdoot mobile app for weather based crop advisory and prediction. In case of manual field operations, accomplish the operation in 4-5 feet spaced strips assigning one strip to one person. This will ensure adequate social distance to engaged labours. Agricultural machinery should be sanitized frequently. Farmer should use face mask.
SMS Advisory		Considering the rainfall forecast, second irrigation should be given during late jointing stage (40-45 DAS) and third at flowering stage (60-65 DAS) in wheat.
Wheat	Vegetative Late Jointing stage	Irrigate the wheat crop at its most critical growth stages that is late jointing stage and flowering stage. Considering the rainfall forecast, second irrigation should be given during late jointing stage (40-45 days after sowing) and third at flowering stage (60-65 days after sowing) for avoiding reduction in yield. Spray the crop with 1 g Thiamethoxam 25WG in 10 liters of water as soon as incidence of aphid and jassid noticed at ETL. Spray metsulfuron methyl (20 WP) 20 g with 800 liters of water for 1 ha, for the control of weeds.
Chickpea / Gram	Reproductive Pod formation	Install 5pheromone traps per ha at a distance of 50 m for monitoring of gram pod borer and change lures at 15 days interval. Spray the crop with 5% NSKE for the management of pod borer as soon as incidence noticed. In the cloudy weather, the incidence of pod borer larvae may observed in rainfed chickpea. The spraying of HaNPV @ 10 ml per 10 liter should be carried out. If the late instar pod borer observed in rainfed gram, then spray with 4 g Emamectin benzoate 5% G in 10 liter of water (200 liter water per acre). In Rainfed chickpea, if water stress is observed then take spray of 2% Urea. Spray 5% solution of fertilizer 13:00:45 if the crop is in pod formation stage.



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Onion		Due to difference between minimum and maximum temperature there is possibility of infestation of sap sucking pest thrips and blight disease for its control take spray of lambda cyhalothrin 5% EC 6 ml + tebuconazole 10 ml plus sticker 10 ml per 10 liters of water with a simple hand pump by considering the weather forecast.
Chili		If leaf curl, dieback, leaf spot etc. are found on this crop at present, spray fipronil 15 ml or thiamethoxam 4 g + mancozeb 25 g or copper oxychloride 25 g or difenoconazole 10 ml per 10 liters of water with hand pump. Apply 2 to 3 sprays of this fungicide alternately at intervals of 10 days.
Brinjal	Vegetative growth stage	Due to present weather condition for control of shoot & fruit borer in brinjal spray 4% neem ark 50 ml per 10 lit. of water or cypermethrine 25 EC at the rate of 5 ml per 10 liter of water. Damaged shoot and fruits should be removed and destroyed weekly
Animal Husbandry	Care of Livestock in winter season	Small Kids/ Lambs/ Calves must be protected from the cold. Advance pregnant animals also need to be cared in this season. Shade net or gunny bags should be wrapped around the shed. 500 to 1000 watt bulbs should be placed in the sheds on lower height to maintain warmness in the shed. Small and pregnant animals should be kept on dried grass/ gunny bags floor. Care should be taken to maintain dryness in the shed. Spread lime powder on the floor at interval of 8 to 10 days. Wrap gunny bags on the body of animal if temperature goes very low. Pregnant Cattle-Bufferaloes are to be cared most in the winter. Increase the use of groundnut cake and cotton seed cake in the diet of animals to increase their energy level. Give bypass fat and protein diet if possible. Vitamin-mineral mixture in the diet should be increased. Feed the animals with green fodder at day time and dry fodder at night. Grazing animals should be left for grazing late in the morning so that there will no dew on the grass. Do not graze the animals on marshy places, where snails are there. Place the swab of turpentine on nostrils if nasal discharge is there but if discharge is greenish yellow in colour then immediately consult to the veterinarian. Drinking water should not too cold. Vaccinate the livestock against Foot and Mouth disease.

Source:

- 1) Weather Forecast : Research Section, Mumbai
2) Last week weather summary : GKMS Observatory, ZARS, Igatpuri, Dist. Nashik.

Place : ZARS, Igatpuri

Date : 05.01.2021

Sd/-
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Associate Director of Research
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