



AGROMET ADVISORY BULLETIN

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6) Weather based Agromet Advisory committee meeting dated 27.01.2023

District: Nashik

Last Week Weather Summary (21.01.2023 to 27.01.2023)							Weather Parameters	Weather Forecast (28.01.2023 to 01.02.2023)				
21	22	23	24	25	26	27	Date	28	29	30	31	01
0	0	0	0	0	0	0	Rainfall (mm)	12	5	10	0	0
29.0	27.7	28.8	26.5	25.0	25.5	30.5	Max. Temp. (⁰ C)	29	27	26	26	27
9.9	9.6	9.5	8.9	10.0	11.5	18.5	Min. Temp. (⁰ C)	16	15	12	11	11
Clear	Clear	Clear	Clear	Clear	Clear	Cloudy	Cloud Cover	Cloudy	PCloud	PCloud	PCloud	PCloud
86	92	94	88	80	58	89	Max. RH (%)	69	70	74	68	65
28	28	39	35	33	30	26	Min. RH (%)	48	49	48	45	46
3.3	2.7	2.2	2.6	3.3	4.4	7.9	Wind Speed (km/hr)	9.3	9.8	11.3	11.1	16

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Considering to the forecast for the next five days there is a possibility of light to medium rain on from 28.01.23 to 30.01.23 and the sky will remain cloudy for the rest of the day. Also Maximum Temperature staying in between 26-29 Degree Celsius, Minimum Temperature 11-16 Degree Celsius & the wind speed will remain between 9-16 km/ hr for the next five days.
General Advisory		Use Meghdoot mobile app for weather based crop advisory and prediction. Considering the light rain forecast & by knowing the local weather conditions farmers should advice to keep the harvested crops in a safe place or covered with plastic/tarpaulin. Also by knowing the local weather conditions (in all crop advice given below) planning the spraying operations/schedule. Protect the fruit orchids, Livestock, poultry birds & self from cold wind & light rain.
SMS Advisory		Summer groundnut should be sown between 15 th January and 15 th February 2023 but to avoid sowing till temperature raise upto 15 to 18 degree Celsius.
Rabi Sorghum	Harvesting	Second fortnight of January- Sorghum should be harvested as soon as symptoms of black spot appear near the tip of the sorghum grain.
Groundnut	Sowing	Summer groundnut should be sown between 15 th January and 15 th February 2023 but to avoid sowing till temperature raise upto 15 to 18 degree Celsius. Prepare land for summer groundnut and apply FYM @ 5 ton/ha. Procured Groundnut seed of improved varieties like Phule Unnati, T.A.G-24, T.G-26, T.P.J-41, JL-501, S.B-11, Phule Bharti etc.
Wheat	Milking stage to Grain formation	Adequate water should be given to the crop at shorter intervals than usual i.e. after 15 days as well as sprinkler irrigation to maintain cool weather conditions in the crop area by maintaining permanent soil moisture in late sown wheat fields. Sprinkler irrigation should give as the last irrigation between 80 and 85 days.
Chickpea / Gram	Harvesting/ Pod development	Rainfed gram varieties should be harvested and threshed according to maturity. If available irrigate Gram crop at pod filling stage. Control pod borer pest on Gram crop by undertaking the spraying of Chlorantranilprole 18.5 S.C@ 2.5 ml per 10 lit. OR Emamectin benzoate 5 SG@ 4 gm per 10 lit. of water if there is an average of 1 larva per plant on Gram, then mix it with water.
Mango		Protect mango flowers from Powdery mildew by spraying of wettable sulphur@ 30 gm per 10 lit. of water. Protect mango flowers from hoppers by spraying of Imidachloprid 17.8 SL@ 3 ml per 10 lit. of water or Metarizzium anisopli or Verticilium lecani or Confidor @ 4 ml per 10 liters of water.



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Grape & Pomegranate	Veraison / Berry setting	Considering the forecasting the grape & Pomegranate gardens should be protect from the cold by giving smoke & gunny bags or any cloths or shade net should be tie around the gardens. Apply Drip irrigation in the morning hours to protect the Fruit crops from cold injury. Control Powdery Mildew in Grape by undertaking the spraying of Dithane conazole@ 0.5 ml per lit. of water OR Myclobutanil@ 0.4 g per lit. of water. (Depending on the stage of the garden and pre-harvesting season, spray the label claim as well as recommended pesticide/ fungicide according to the severity of the disease.)
Onion		Control the Blight disease on onion crop by undertaking the alternately spraying of Diathane M-45 (0.3%) 3 g per liter + Tebuconazole (0.1 %) 1 ml per liter of water at an interval of 10 to 15 days OR Diethane@ M-45 2.5 gm or Carbendazim@ 1 gm per liter of water should be sprayed also sticker (0.1%) should be used while spraying. Control the sucking pest (Thrips/Aphids) on Onion crops by undertaking the spraying of Fipronil 5 SC@ 1.5 ml per liter of water OR Lamda cyhalothrin 5 EC@ 6 ml per 10 lit. of water also sticker (0.1%) should be used while spraying. Control the sucking pest (Thrips/Aphids) & Blight disease on Onion crops by undertaking the spraying Carbosulfan 25 EC @ 2 ml per lit. of water + Tricyclazole (75 WP) 1 gm per lit. of water also sticker (0.1%) should be used while spraying .
Animal Husbandry	Care of Livestock in winter season	Small Kids/ Lambs/ Calves must be protected from the rain & 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 mountain 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-Buffaloes 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.

Source:

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

Place : ZARS, Igatpuri

Date : 27.01.2023

Sd/-

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Associate Director of Research
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