



# AGROMET ADVISORY BULLETIN

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## 8) Weather based Agromet Advisory committee meeting dated 03.02.2023

District: Nashik

| Last Week Weather Summary<br>(28.01.2023 to 03.02.2023) |        |        |        |        |        |       | Weather<br>Parameters | Weather Forecast<br>(04.02.2023 to 08.02.2023) |       |       |        |        |
|---|--------|--------|--------|--------|--------|-------|-----------------------|--|-------|-------|--------|--------|
| 28  | 29     | 30     | 31     | 01     | 02     | 03    | Date                  | 04   | 05    | 06    | 07     | 08     |
| 0   | 0      | 0      | 0      | 0      | 0      | 0     | Rainfall (mm)         | 0  | 0     | 0     | 0      | 0      |
| 28.8  | 30.0   | 31.2   | 29.0   | 29.0   | 27.5   | 29.8  | Max. Temp. (°C)       | 29   | 33    | 34    | 35     | 35     |
| 12.0  | 12.0   | 12.5   | 14.0   | 17.0   | 18.0   | 18.5  | Min. Temp. (°C)       | 11   | 11    | 12    | 13     | 14     |
| Cloudy  | PCloud | PCloud | PCloud | PCloud | PCloud | Clear | Cloud Cover           | PCloud   | Clear | Clear | PCloud | PCloud |
| 63  | 59     | 63     | 60     | 56     | 50     | 55    | Max. RH (%)           | 26   | 22    | 23    | 25     | 29     |
| 28  | 25     | 31     | 30     | 42     | 34     | 31    | Min. RH (%)           | 15   | 12    | 11    | 11     | 11     |
| 4.3   | 4.0    | 4.8    | 4.5    | 10.0   | 12.4   | 8.2   | Wind Speed (km/hr)    | 7.9  | 8.3   | 7.7   | 8      | 8.5    |

## 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 cold & dry weather and The sky will be partial cloudy for 3 days and clear for the remaining days. Also Maximum Temperature staying in between 22-29 Degree Celsius, Minimum Temperature 11-15 Degree Celsius & the wind speed will remain between 7.7-8.5 km/ hr for the next five days.  |
| General Advisory |            | Use Meghdoot mobile app for weather based crop advisory and prediction.<br>Considering the dry weather Irrigate the Wheat, Gram, Fruit orchids & Vegetable crops.<br>Control the Powdery mildew on Pea crop by spraying of water soluble Sulfur @ 25 gm per 10 lit. of water.<br>Control the Pod borer caterpillar on Pea crop by spraying of Chloropyriphos 20% EC @ 20 ml <b>OR</b> Coragen@ 3 ml per 10 lit. of water <b>OR</b> 4% Neem extract.<br>Control the cruciferous borer larvae on cabbage & cauliflower by spraying of 4% Neem extract. If incidence of caterpillar should more then spray Spinosad 2.5 sc @ 12 ml per 10 lit. of water. |
| SMS Advisory     |            | Threshing should be done after sun-drying of the panicles of sorghum crop.<br>Sorghum grains should be sun dried and stored before storage.   |
| Rabi Sorghum     | Harvesting | Threshing should be done after sun-drying of the panicles of sorghum crop.<br>Sorghum grains should be sun dried and stored before storage.   |
| Groundnut        | Sowing     | Prepare land for summer groundnut and apply FYM @ 5 ton/ha.<br>Summer groundnut should be sown during the 15 Jan to 15-Feb & Treat the seeds with bacterial culture like PSB & Rhizobium@ 10 gm per kg also organic   |



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|                     |   |   |
|---------------------|---|---|
|                     |   | <p>fungicide like Trichoderma@ 5 gm per kg of seeds.</p> <p style="text-align: center;"><b>or</b></p> <p>Summer Groundnut crop should be sown by seed treatment. Treat the seeds with 5 gm Trichoderma, 25 gm groundnut group of Rhizobium, 25 gm of Phosphorus soluble bacteria.</p> <p>At the time of sowing of Groundnut crop apply DAP@ 50 kg per acre.</p> <p>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.</p>   |
| Wheat               | Grain filling                               | <p>Apply irrigation at critical growth stage (Grain filling) of wheat crop.</p> <p>Use post emergence herbicide like metsulfuron methyl @ 20 gm per ha in 500 lit. of water.</p>  |
| Chickpea / Gram     | Harvesting/ Pod development                 | <p>Rainfed gram varieties should be harvested and threshed according to maturity.</p> <p>If available irrigate Gram crop at pod filling stage.</p> <p>Integrated pest control of Pod borer in Gram by spraying of NSKE or Neem extract 5%, after 10-15 days Coragen @ 2 ml per 10 liters. of water. then If you need spray heliokila 10 ml Over 10 liters. of water. If the bird perches is not installed then it installed now at gram field.</p> <p style="text-align: center;"><b>or</b></p> <p>Control pod borer pest on Gram crop by undertaking the spraying of Chlorantraniliprole 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.</p> |
| Mango               | Flowering, flower bud initiation, Fruit set | <p>Protect mango flowers from Powdery mildew by spraying of wettable sulphur@ 30 gm per 10 lit. of water.</p> <p>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.</p>  |
| Grape & Pomegranate | Veraison / Berry setting                    | <p>Apply Drip irrigation in the morning hours to protect the Fruit crops from cold injury.</p> <p>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.)</p>   |
| Onion               |   | <p>Control the <b>Blight disease</b> on onion crop by undertaking the alternately spraying of Diathane M-45 (0.3%) 3 g per liter <b>OR</b> Tebuconazole (0.1 %) 1 ml per liter of water at an interval of 10 to 15 days <b>OR</b> Diethane@ M-45 2.5 gm <b>or</b> Carbendazim@ 1 gm per liter</p>   |



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|                  |                                    |  |
|------------------|------------------------------------|--|
|                  |                                    | <p>of water should be sprayed also sticker (0.1%) should be used while spraying.</p> <p>Control the <b>sucking pest</b> (Thrips/Aphids) on Onion crops by undertaking the spraying of Fipronil 5 SC@ 1.5 ml per liter of water <b>OR</b> Lamda cyhalothrin 5 EC@ 6 ml per 10 lit. of water also sticker (0.1%) should be used while spraying.</p> <p>Control the <b>sucking pest</b> (Thrips/Aphids) &amp; <b>Blight disease</b> 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 .</p>   |
| Animal Husbandry | Care of Livestock in winter season | <p>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 warmth 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-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.</p> |

## Source:

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

Place : ZARS, Igatpuri

Date : 03.02.2023

Sd/-

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