



AGROMET ADVISORY BULLETIN

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Weather based Agromet Advisory committee meeting dated 28.06.2024

District: KOLHAPUR

| Last Week Weather Summary (22.06.2024 to 28.06.2024) | | | | | | | Weather Parameters | Weather Forecast (29.06.2024 to 03.07.2024) | | | | |
|---|------|------|------|--------------------------------|------|------|-----------------------------|--|-----|-----|-----|-----|
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | Date | 29 | 30 | 01 | 02 | 03 |
| 2.8 | 1.0 | 0.0 | 0.0 | 3.8 | 5.6 | 6.0 | Rainfall (mm) | 25 | 20 | 22 | 25 | 20 |
| 29.5 | 29.5 | 29.5 | 30.0 | 28.5 | 28.5 | 26.5 | Max. Temp. (°C) | 26 | 29 | 28 | 27 | 26 |
| 23.0 | 23.0 | 22.5 | 22.5 | 23.5 | 22.5 | 21.5 | Min. Temp. (°C) | 21 | 21 | 21 | 20 | 20 |
| 8 | 8 | 3 | 3 | 8 | 8 | 8 | Cloud Cover | 8 | 8 | 8 | 8 | 8 |
| 8 | 4 | 6 | 8 | 8 | 8 | - | | | | | | |
| 96 | 96 | 96 | 96 | 98 | 100 | 92 | Max. RH (%) | 86 | 85 | 85 | 85 | 86 |
| 81 | 81 | 85 | 88 | 85 | 85 | 90 | Min. RH (%) | 79 | 75 | 79 | 81 | 80 |
| 2.6 | 1.9 | 2.0 | 1.9 | 3.4 | 2.8 | 2 | Wind Speed(km/hr) | 19 | 19 | 18 | 20 | 21 |
| SSW | SSW | SSW | WSW | WSW | WNW | WSW | Wind Direction | WSW | WSW | WSW | WSW | WSW |
| SSW | WSW | WSW | WSW | WSW | WNW | - | | | | | | |
| Rainfall last week | | | | Rainfall since 01.01.2024 (mm) | | | Rainy days since 01.01.2024 | | | | | |
| 19.2 | | | | 200.3 | | | 17 | | | | | |

Agromet Advisory Based on Weather Forecast Prediction

| Crop | Stage | Advisory |
|-------------------------|----------------|--|
| Weather Summary | | <p>Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is forecast of cloudy sky from 29th June to 3rd July in Kolhapur district. There is forecast of moderate rainfall at fairly widespread places on 29th June and 2nd July while forecast of moderate rainfall at scattered places on 30th, 1st and 3rd in Kolhapur district. During next 5 days Maximum temperature will remain nearby 26.0 to 29.0 while minimum temperature will remain nearby 20.0 to 21.0°C. Morning relative humidity will remain between 85 to 86% and Afternoon relative humidity will remain 75 to 81%. Wind speed will remain up to 18 to 21 km/hr.</p> <p>According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division rainfall will remain above normal, maximum temperature will remain normal and minimum temperature will remain normal valid from 30th June to 6th July, 2024</p> |
| Weather warning | | ➤ Heavy rainfall very likely to occur at isolated places in Ghat areas in the districts of Kolhapur on 28 th June and 1 st July. |
| General Advisory | | ➤ Farmers in Aajara, Bhudargadh, Chandgad, Gadhinglaj, Gaganbavda, Hatkanangale, Kagal, Karveer, Panhala, Radhanagari, Shahuwadi and Shirol tahsil can carry out sowing of kharif crops like Maize, Soybean, Groundnut, Sorghum, Green gram and Black gram at vafasa condition, particularly where sufficient rainfall (75 to 100mm) is received. |
| SMS Advisory | | ➤ Heavy rainfall very likely to occur at isolated places of Ghats areas in the district of Kolhapur on 28 th June and 1 st July thus farmers should take care of themselves and their cattle's. |
| Rice | Nursery | ➤ Give fertilizer dose of 500 gram Nitrogen per guntha after 15 days of sowing of rice in nursery. |
| Sorghum | Sowing | <p>➤ Carry out sowing at sufficient moisture condition <i>i.e</i> vafasa condition in soil. If there is availability of source of irrigation then carry out sowing in last week of June. The nuisance by the Stem fly is very low in early sown crop.</p> <p>➤ Seed treatment: Treat the 10 kg of Sorghum seeds with Azatobactor @ 250 gram or Azospirillum @ 250 gram, thus the yield can increase by 15 to 20%.</p> <p>➤ Fertilizer dose: 50kg Nitrogen, 50 kg Phosphorus and 50kg Potassium per hector at the time of sowing of crop.</p> <p>➤ Collect the seeds of following varieties of Sorghum for Sowing.</p> |



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| | | |
|-------------------|-------------------|--|
| | | ➤ Hybrid: C.S.H.-5, C.S.H.9, C.S.H.-14, Developed: S.P.V.-462, C.S.V.13, C.S.V.15,P.V.K.-801, Sweet Jowar: S.S.V.-84, C.S.V.-24, Phule Vasundhara. |
| Maize | Sowing | Seed rate: Seed purpose- 6 to 8 kg per Acre, Fodder purpose- 30 kg per acre Seed treatment: Treat the seeds with Thiram @ 2 to 2.5 gram per kg of Seed. Apply Azotobactor Bacterial culture @ 25 gram per kg of seed and then carry out sowing |
| Soybean | Sowing | Seed treatment: The seed having > 70% germination percentage which requires 55 to 70 kg for sowing. Seed treatment: For control of soil born diseases carry out seed treatment with Carbendazim 37.5% + Thiram 37.5% D.S. 30 gram per 10 kg of seed then treat the seed with Azokzistrobin 2.5%+Thiophenate Methyl 11.25% + Thiamethoxam 25% F.S. 100 ml per 10 kg of seeds which protect crop from stem fly during seedling stage. ➤ Intercropping: Soybean + Pigeon pea (3:1) |
| Groundnut | Sowing | Seed treatment : To protect from Seed born and disease infecting during seedling stage treat seed with 2.5 Gram Mancozeb or Trichoderma Biological fungicide then apply Rhizobium @ 2 5gram and 25 gram Phosphorus solubilising Biological culture per kg of seed. Intercropping ➤ In Kharif Groundnut crop Soybean, Sunflower, Green gram, Black Gram and Pigeonpea can be taken as intercrop in 6:2 ratio. ➤ For control of Leaf eating Caterpillar take Groundnut + Soybean (4:1) and two rows of Castor along with the border. |
| Black gram | Sowing | ➤ Collect the seeds of following varieties of Green gram for sowing in kharif season PKV Black Gold, Vishvas, Phule Vasu and Phule Rajan ➤ Carry out seed treatment with 5 gram Trichoderma per kg of seed and then treat the seeds with 25 gram Rhizobium and PSB bacterial culture through cold Jaggary water. Use Cowpea class culture for Green gram seeds. |
| Sugarcane | Vegetative | ➤ Use light traps for control of White grubs. ➤ Keep the sugarcane field weed free. |
| Mango | Growth | ➤ Give 50 kg FYM and Fertilizer dose @ 750gram Nitrogen (1.625 kg Urea) + 500 gram Phosphorus (3.125 kg Single Super Phosphate) + 500 gram Potash (840 gram Murate of Potash) to full grown Mango tree in July Month when there is no rainfall. |
| Animals | Growth | ➤ Keep cowshed dry and clean. Do not allow water to stagnate in cowshed. For green fodder give preference to Sorghum, Pearl Millet, Maize crops likewise carry out planting of Yashvant and Methigrass. ➤ If the rainwater spills on the dry fodder and the fungus grows on that fodder then that fungal infested fodder should not be given to the animals this fodder should be destroyed immediately. Feed and nutrients should not keep in humid areas. Take care that the wetness of wall should not come into the stored fodder. |

Source:

- 1) Weather Forecast : Research Section, Mumbai
- 2) Last week weather summary : IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Date : 28.06.2024

Sd/-
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