



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, DISTRICT AGROMET
UNIT, KRISHI VIGYAN KENDRA, MOHOL, SOLAPUR.



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448) Weather based Agromet Advisory committee meeting dated 11.10.2024

District: Solapur

Last Week Weather Summary 05.10.2024 to 11.10.2024							Weather Parameters	Weather Forecast (12.10.2024 to 16.10.2024)				
05	06	07	08	09	10	11	Date	12	13	14	15	16
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	14.0	12.0	16.0	10.0	14.0
34.0	34.3	34.0	33.0	33.2	32.2	-	Maximum temperature (°C)	31.0	32.0	33.0	33.0	32.0
23.6	23.2	23.0	23.8	23.0	22.2	-	Minimum temperature (°C)	23.0	23.0	22.0	22.0	23.0
Cloudy	Clear	Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	-	Cloud Cover	Partially Cloudy	Cloudy	Partially Cloudy	Partially Cloudy	Cloudy
86	85	86	87	86	90	-	Max. RH (%)	84	86	83	79	81
69	67	75	67	66	--	-	Min. RH (%)	80	78	79	78	78
3.7	3.7	1.9	1.9	3.7	4.1	-	Wind Speed(km/hr)	12.0	14.0	12.0	8.0	11.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
	Weather Summary	<p>According to the forecast given by the Regional Meteorological Centre, Mumbai, of the India Meteorological Department, there is a possibility of partially cloudy to cloudy sky from 11th October to 15th October 2024. During date 11th to 15th October, 2024, there is possibility of light to moderate rainfall at isolated places in the district.</p> <p>During next five days maximum temperature will remain nearby 31°C to 33 °C, while minimum temperature will remain nearby 22°C to 23 °C. Morning relative humidity will remain between 79 to 86 % and afternoon relative humidity will remain 78 to 80 %. Wind speed will remain up to 08 to 14 Km/h to 14.km/h.</p> <p>Weather warning: Thunderstorm accompanied with lightning, light to moderate rainfall and gusty winds reaching 30-40 kmph very likely to occur at isolated places in the districts of Solapur on dt. 11th and 12th October, 2024.</p>
	Extended Range Forecast (ERFS)	<p>As per ERFS products during 16th October to 22nd October, 2024 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur, Kolhapur) division</p> <ul style="list-style-type: none"> ➤ Rainfall may remain above normal. ➤ Maximum temperature may remain below normal. ➤ Minimum temperature may remain normal.
	General Advisory	<ul style="list-style-type: none"> ➤ As there is possibility Thunderstorm accompanied with lightning and rainfall proper precaution should be taken by farmers of themselves and the cattle's and animals should be kept at safe place. ➤ Care should be taken to prevent water logging in crops after rain. Make arrangements to remove excess water from standing crops. ➤ The rainfall received should be percolated and saved in the farm itself by various water harvesting and conservation techniques.. ➤ Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain.



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		<ul style="list-style-type: none">➤ Farmers should download "Meghdoot" android application on mobile for Agromet Advisory Services and "Damini" android application for forecast of lightening.➤ Care should be taken by farmers during thunderstorm and lightening In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards staking in vegetables. If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open. Keep animals away from open water, pond or river. Keep animals away from tractors and other metal farm equipment. Do not park vehicles under a tree. Avoid contact with electrical equipment or cords. Don't allow your animals to congregate under trees.
SMS Advisory		Harvest the matured soybean, maize, pearl millet, and timely sown Kharif onion crops, and threshes them. To protect the harvested crops from rain, ensure they are properly covered with tarpaulin.
Crop	Crop Stage	Advisory
Sugarcane	Land preparation	Pre seasonal sugarcane is planted between 15th October to 15th November. Carry out land preparation for Preseasonal Sugarcane planting. Select varieties like Co.86032 (Nira), Co.M0265 (Phule 265), M.S.10001 (Phule 10001), CO 94012 (Phule Savitri) for cultivation.
Rabi Sorghum	Sowing	Sowing of rabi sorghum should be done between September 15 and October 15, when there is sufficient moisture in the soil, at a depth of up to 5 cm. For sowing of Rabi Sorghum improved varieties, biofertilizer, fertilizers etc. should be planned. For the sowing of Rabi Sorghum select following recommended improved / hybrid varieties according to the type of soil. For light soil Phule Anuradha, Phule Mauli, PhuleYashomati For medium soil Phule Suchitra, Phule Mauli, Phule Chitra , Parbhani Moti, Maldandi-35-1 For Heavy soil Phule Vasudha, Phule Yashoda, CSV- 12 , PKV- Kranti, Parbhani Moti, Hybrid varieties: - CSH-15, CSH - 19 For irrigated purpose Phule Revati, Phule Vasudha , CSV-18 , CSH-15 and CSH-19 For Hurda purpose Phule Uttara, Phule Madhur , For Sorghum Pops Phule Panchami For Papad purpose Phule Rohini.It is necessary to keep 1.48 lakh seedlings per hectare to get the expected yield of rabi sorghum. For this rabi sorghum sowingshould be done at a distance of 45 x 15 cm. For seed treatment apply 4 gm of sulphur (300 mesh powder) per kg of seed before sowing.Also seed treated with 25 gm of Azotobacter and P. S. B after processing of bacterial culture use 10 kg seed per hector.
Pigeon Pea	Flower Initiation	In case of infestation of Maruca vitrata Geyer, spray the crop with 5 % Neem seed extract or Azadirectine 0.03 % , 300 ppm @ 50 ml/ 10 lit water.
Soybean	Harvesting	Harvesting of the matured crop and keep the harvested produce in heaps to dry in sunlight. Threshing should be done after removing the sprouted grains. To protect the harvested crop from rain, ensure proper covering with tarpaulin.
Maize	Harvesting	Harvest the matured maize crop and thresh it. To protect the harvested crop from rain, ensure proper covering with tarpaulin.
Pearl millet	Harvesting	If Pearl millet crop is matured, it should be harvested. Harvested crop should be threshed. To protect the harvested crop from rain, ensure proper covering with tarpaulin.



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Onion	<p>Due to present cloudy, rainfall and humid weather, the incidencethrips and blightdisease on onion crop. For controlling thrips on onions, spray Dimethoate 30% EC at 15 ml or Lambda-Cyhalothrin 5% EC at 6 ml per 10 liters of water. Alternately, apply a 5% neem extract spray. To control diseases like blight and twisting on onions, spray Difenconazole 25% EC, Tebuconazole, Azoxystrobin 18.2% + Difenconazole 11.4%, or Azoxystrobin 11% + Tebuconazole 18.3% at 10 ml per 10 liters of water during calm and clear weather condition. Use a sticker along with the spray for better effectiveness. Harvest the matured Kharif onion crop. To protect the harvested onion crop from rain, ensure proper covering with tarpaulin.</p>
Grape	<p>Incidences of new species of stem borer (red colour larva) may be noticed under bark Solapur grape areas. Remove the loose bark and give good plant wash mainly targeting cordons and main trunk with Metarhizium @ 2.5 ml/l</p>
Banana	<p>As there is a possibility of rain, harvesting of mature banana bunch should be done as early as possible and store it at safe places. Since banana crops cannot withstand wind speeds exceeding 30 km/h, trees bearing heavy bunches can topple. Due to gusty winds collapse big bunch banana tree. Give support of bamboo sticks to the banana plant and bunch or tight the plants and banana bunch with polypropylene strips.</p> <p>Due to present cloudy and humid weather, the incidence of blast (Sigatoka) disease may occur and for its control destroy the part of leaf or full leaf of plants. When the incidence is noticed spray Propiconazole 5 ml and mineral oil 100 ml per 10 liter of water when there are no rains. Repeat two sprays at an interval of 20 days.</p>
Animal Management	<p>Keep the animal at safe places as there is possibility of thunderstorm accompanied with lightening, and light to moderate rain at isolated places. Keeps the animals at safe places during rainy season. Cloudy condition and increased humidity favors suitable conditions for increased population of Ecto-parasites (Lice, flies, ticks, biting flies, midges) creating annoyance, worries and nuisance of livestock. It is recommended that during this period spraying of either 5% NSKE or Herbal solution (Neem oil 15 ml + Karanj oil 15 ml + Soft soap 2 gm + 1 liter water) at weekly interval. It shall be sprayed on body of livestock, shed, water logged bodies, dung pit etc. it acts as repellent as well as helps to curtail life cycle of ticks and flies results in reducing the population of Ecto-parasites.</p>

Source

- 1) Weather Forecast : Research Section, Mumbai.
- 2) Last week weather summary : Zonal Agriculture Research Station, Solapur.

Place : KrishiVigyan Kendra, Mohol.

Date :11th, October2024

Sd/-

**Nodal Officer, DAMU, KrishiVigyan Kendra,
Mohol, Solapur.**