



AGROMET ADVISORY BULLETIN

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



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280) Weather based Agromet Advisory committee meeting dated 03.02.2023

District: Solapur

Last Week Weather Summary (28.01.2023 to 03.02.2023)							Weather Parameters	Weather Forecast (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	0.0	0.0	0.0	0.0	Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
33.8	34.4	33.6	33.0	32.6	31.8	31.4	Max. Temp. (°C)	33.0	34.0	34.0	35.0	35.0
-	18.3	17.4	19.6	20.5	17.4	13.4	Min. Temp. (°C)	16.0	16.0	17.0	18.0	17.0
Clear	Clear	Clear	Partially Cloudy	Partially Cloudy	Clear	Clear	Cloud Cover	Partially Cloudy	Clear	Clear	Partially Cloudy	Partially Cloudy
-	63	73	72	69	72	71	Max. RH (%)	62	61	63	65	66
23	20	29	41	42	41	-	Min. RH (%)	42	39	40	39	40
1.9	5.6	3.7	0.0	3.7	0.0	4.7	Wind Speed(km/hr)	12.3	11.2	10.9	11.1	9.4

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to the Regional Meteorological Centre Mumbai's forecast, there is a possibility of partially cloudy on dt. 04th, 07th, 08th February 2023 and mostly clear skies on dt. 05th and 06th February 2023. During date 04th February to 08th February 2023, weather may remain dry in the district.</p> <p>During next five days maximum temperature will remain nearby 33°C to 35°C, while minimum temperature will remain nearby 16°C to 18°C. Morning relative humidity will remain between 61 to 66% and afternoon relative humidity will remain 39 to 42%. Wind speed will remain up to 9.4 Km/h to 12.3 km/h.</p>
Extended Range Forecast (ERFS)		<p>As per ERFS product during 09th February 2023 to 14th February 2023 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur and Kolhapur) division.</p> <ul style="list-style-type: none"> ➤ Maximum temperature may normal. ➤ Minimum temperature may normal.
General Advisory		<ul style="list-style-type: none"> ➤ Farmers should observe the pest and disease incidence on their field and if the infestation is above economic threshold level (ETL) then proper pest and disease management should be done. ➤ Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc. ➤ Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. Also, farmers should download of Damini mobile app and make use for lightning and thunderstorm warning and forecasting.
SMS Advisory		<ul style="list-style-type: none"> ➤ To download Meghdoot App click on this link: https://play.google.com/store/apps/details?id=com.aas.meghdoot
Rabi Sorghum	Grain filling stage	<p>Protect matured sorghum crop from Birds.</p> <p>In Sorghum usually grain filling stage occurs in 90 to 100 days after sowing. Apply irrigation in this stage helps in filling the grains in the head. As the weight of the grain</p>



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		<p>increases, so does the yield. Those who have access to irrigation facilities should provide irrigation to the sorghum.</p> <p>For preparation of Hurda, harvest Rabi Sorghum variety Phule Madhur cobs at milking stage, and sell for Hurda purpose.</p>
Wheat	Flowering	<p>Give irrigation to wheat crop as per the requirement during flowering satge at 60 to 65 days after sowing. When the crop is 55 to 70 days old spray twice at 19:19:19 as 2% soluble fertilizer (200 gm 19:19:19 in 10 litres of water).</p>
Chick pea	Pod Development stage	<p>Those who have access to irrigation facilities should provide irrigation at grain filling stage of chick pea. It helps filling the grains in the pods and increasing the yield. Use sprinkler irrigation system. Give irrigation 7 to 8 cm depth because excess irrigation cause excess vegetative growth.</p> <p>For control of gram pod borer spray the crop with insecticide Chlorantraniliprole 18.5%S.C @100ml in 500 liters of water per hector of crop. For control of gram pod borer install bird perches into chickpea crop and install 5 pheromone traps per hector.</p> <p>If the rainfed chick pea is mature, it should be harvested and threshed. The gram should be dried in the sun and stored in a dry and well ventilated place.</p>
Rabi safflower	Grain filling stage	<p>If infestation of aphid is observed. For effective management of aphids on safflower Acephate 75 SP 16 gm per 10 liters of water first spray 40 to 45 days after sowing and second sprays 55 to 60 days in clear weather.</p> <p>In safflower crop, second irrigation should be given 55 to 60 days after flowering.</p>
	Sugarcane Ratoon Management:	<p>Sugarcane Ratoon Management: If the sugarcane stalks remain large length, they should be cut with a sharp sickle near the ground. This allows the shoots to germinate under the soil and increase the total number of shoots. Immediately after cutting spray 0.1% Bavistin (1 g Bavistin in 1 liter of water). This prevents soil borne fungal diseases.</p> <p>Micro Nutrient Management: According to soil testreport , in case of micronutrient deficiency 10 kg of ferrous sulphate, 8 kg of zinc sulphate, 4 kg of manganese sulphate and 2 kg of borax should be mixed in 1:10 organic manure for 4 to 5 days in shade and then apply.</p>
Sugarcane	Suru sugarcane Plantation	<p>Sugarcane should be planted between 15th December to 15th February.</p> <p>Suru Sugarcane Cultivation: Select varieties like Co.86032 (Nira), Co.M0265 (Phule 265), M.S.10001 (Phule 10001), Co. 94012 (PhuleSavitri), Co.C.671 (Vasant-1) for cultivation.</p> <p>Summer groundnut, onion, cucumber, muskmelon, watermelon, etc. can be intercropped in Suru Sugarcane.</p> <p>Sets Treatment:</p> <ul style="list-style-type: none"> • Mix Dimethoate 30 % EC 265 ml in 100 liters of water and dip Sugarcane sets into the preparedsolution for 10 minutes which protects the Sugarcane form fungal diseases and mealy bugs. • If there is infestation of White grub then treat the sets for 10 minutes by using Imidacloprid 5 gram per 10 liters of water. • Prepare the solution by mixing Acetobactor and Phosphorus solubilizing



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		<p>Bacterial culture 10 kg and 1.25 kg respectively in 100 liters of water.</p> <ul style="list-style-type: none">• Deep the Sugarcane sets into the prepared solution for 10 minutes and then carries out planting which saves 50 % Nitrogenous and 25 % Phosphorus fertilizers dose. <p>Fertilizer Dose: Give fertilizer dose of Nitrogen @ 25 Kg (55Kg Urea), 60 Kg Phosphorus (365 kg Single Super Phosphate and 60 Kg Potash (100 kg Murate of Potash) per hectare at the time of planting of Suru Sugarcane. For Co.86032 (Nira) variety use 25% more fertilizer dose.</p>
Maize	Sowing	<p>Summer maize should be sown between January to February second week.</p> <p>Seed treatment: 02 to 2.5 g of Thiram per kg of seed should be applied before sowing. Also Azotobacter should be used before sowing.</p> <p>Dibbling distance: 75 cm. × 20 cm - for late and medium duration varieties 60 cm × 20 cm – for short duration varieties</p> <p>Fertilizer management: 40 kg of nitrogen, 60 kg of phosphorus, 40 kg of potash per hectare at the time of sowing, per hectare, 40 kg of nitrogen after 30 days of sowing and 40 kg of nitrogen per hectare after 40-45 days of sowing.</p> <p>Micronutrients: If the soil is deficient in zinc, 20 to 25 kg of zinc Sulphate should be applied per hectare.</p>
Watermelon		<p>In watermelon, muskmelon crop, crop cover (non woven fabric) technique should be used for 21 to 25 days of transplanting in the early stages. Its use creates the micro-environment necessary for crop growth and development. Vigorous growth of the crop improves the quality of the product. The crop is formed relatively early. Crop cover protects the crop from fog, cold, wool, hail and unseasonal rains. In the early stages of growth, pest and diseases are prevented. This saves on crop protection costs. The total number of sprays required for crop protection is reduced over the entire crop period.</p>
Grape	Berry development	<p>Due to persisting high humidity and low temperature there is possibility of increase in incidence of powdery mildew disease on grape thus to control take One spray of Ampelomyces quisqualis @5g per liter of water.</p>
Pomegranate	Growth	<p>There is possibility of incidence of Aphids, Thrips, Whitefly and Fruit Borer thus to control take the spray of Cyantraniliprole 10.26% OD 7 to 9ml per 10 liters of water</p>
Banana		<p>For control of thrips, banana bunches should be covered with 6% perforated polythene bags.</p> <p>For control of aphids spray diamethoate 20 ml per 10 lit. of water. Cultivation of crop such as cucumber, gourd, watermelon, muskmelon, chilli, brinjal etc. should be avoided in banana plantation.</p>
Animal Management		<p>As the summer season is approaching the arrangement for green fodder to the cattles should be made by sowing fodder crops like sorghum, pearl millet, maize as per availability of water. Due to liver fluke disease animal's intake of feed is reduced. Swelling is observed on lower jaw. In severe condition animal may die. Hence it is most important to give wormicide medicine to animals by consulting veterinary doctor. Always give clean drinking water to animals.</p> <p>The cattles should be avoided by over feeding of sugarcane trash. Per day about 8 kg of green sugarcane trash along with green fodder and dried fodder should be given.</p>



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		The silage and 25 to 30 gm salt mixture is essential to be given to animals.
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Source

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

Place : Krishi Vigyan Kendra, Mohol.

Date : 03rd January 2023

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**Nodal Officer, DAMU, Krishi Vigyan Kendra, Mohol,
Solapur.**