



AGROMET ADVISORY BULLETIN

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



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174) Weather based Agromet Advisory committee meeting dated 28.01.2022

District: Solapur

Last Week Weather Summary (22.01.2022 to 28.01.2022)							Weather Parameters	Weather Forecast (29.01.2022 to 02.02.2022)				
22	23	24	25	26	27	28	Date	29	30	31	01	02
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
34.0	32.6	30.8	24.8	29.2	30.2	31.1	Max. Temp. (°C)	31.0	32.0	33.0	32.0	31.0
14.5	15.33	14.0	11.9	12.2	14.0	13.8	Min. Temp. (°C)	14.0	15.0	16.0	16.0	15.0
Clear	Clear	Clear	Clear	Clear	Clear	Clear	Cloud Cover	Clear	Clear	Clear	Partially Cloudy	Clear
56	63	54	80	55	53	54	Max. RH (%)	55	58	58	59	58
18	24	26	35	27	27	26	Min. RH (%)	29	39	38	38	38
0.0	0.0	3.7	2.7	3.7	1.9	1.9	Wind Speed(km/hr)	12.0	9.0	7.0	10.0	9.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		According to forecast given by Regional Meteorological Centre Mumbai, During date 28 th January to 02 nd February 2022 weather may remain dry in the district. Maximum temperature will be 31°C to 32°C, Minimum temperature will be 14°C to 16°C and wind speed will be from 7 km/h to 12 km/h.
Extended Range Forecast (ERFS)		As per ERFS product during 02 nd February, to 08 th February 2022 over Madhya Maharashtra (Dhule, Nandurbar, Jalgaon, Nashik, Ahmednagar, Pune, Satara, Sangli, Solapur and Kolhapur) division. <ul style="list-style-type: none"> ➤ Maximum temperature may be below normal. ➤ Minimum temperature may be 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. ➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard ➤ Carry out mulching to fruit orchards for maintaining temperature in Orchards. ➤ 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		The minimum temperature is dropped thus farmers should take care of themselves and their cattle.
Rabi Sorghum	Grain Filling	For preparation of Hurda, harvest Rabi Sorghum variety Phule Madhur cobs at milking stage, and sell for Hurda purpose. Sorghum usually flowering in 70 to 75 days. Apply irrigation in this stage helps in filling the grains in the head. As the weight of the grain increases, so does the yield. Those who have access to irrigation facilities should provide irrigation to the



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		sorghum. Protect matured sorghum crop from Birds.
Chick pea	Flowering stage	<p>Due to cloudy weather there is possibility of infestation of pod borer in chickpea crop. For control of pod borer, undertake spraying of 5 % NSKE or Flubendiamide 48% SC @ 2.5 ml or Emamectin benzoate 5% SG @ 4 g per 10 liter of water.</p> <p>For irrigation of crop use sprinkler system to maximize the yield.</p> <p>When Chick pea crop is in flowering and pod filling stage at this stage water stress occurs, spray 2% urea.</p>
Wheat	flowering stage	<p>Give spray of water soluble fertilizer 19:19:19 at the time of 55 to 70 days after sowing @ 200 gram per 10 liters of water. Give spray for two times.</p> <p>Give irrigation at important crop development stages is necessary for good yields. Apply irrigation if required at tillering stage i.e. 40 to 45 days after sowing and at flowering stage i.e. 60 to 65 days after sowing of wheat crop.</p> <p>Spray the crop with 1 gmThiamethoxam 25WG in 10 liters of water as soon as incidence of aphid and jassid noticed at ETL.</p>
Maize	Vegetative growth	<p>Irrigation should be done as required. In case of re-emergence of Army worm on the crop, spray Imamectin benzoate 0.4 ml per liter of water. 4 pheromone traps per acre should be set to detect larval infestation.</p>
Groundnut	Sowing	<p>Summer groundnut should be sown between 15th January to 15thFebruary.The minimum night temperature at the time of sowing should be 18 degrees celsius or higher. The minimum temperature is dropped thus farmers should postponed sowing of summer groundnut.For sowing,choose PhuleUnnati, JL 226 (PhuleUnap) TAG24, TG26, TPG41, JL-501 varieties.</p> <p>Seed Treatment:Apply 5 gms of Thyrum or 2 gms of Carbendazim or 3 gms of Mancozeb or 5 gms of Trichoderma biological fungicides per kg of seeds before sowing to protect the crop from seed borne and seedling diseases. Then apply 25 gms of Rhizobium and 25 gms of phosphorus dissolving bactericide per kg of seed and keep treated seed in shade.</p> <p>Nutrient Management:Apply 25 kg N, 50 kg P at the time of sowing. For maximum production of groundnut, gypsum should be applied@ 400 kg per hectare (200 kg per hectare at the time of sowing and the remaining 200 kg per hectare at the time of pegging).</p>
Sugarcane	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>
	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>



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		<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 prepared solution for 10 minutes which protects the Sugarcane from 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 Bacterial culture 10 kg and 1.25 kg respectively in 100 liters of water.• 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.• 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 hector at the time of planting of Suru Sugarcane. For Co.86032 (Nira) variety use 25% more fertilizer dose.
Pigeon pea	Maturity / Harvesting	<p>Cutting of long duration pigeon pea plants after maturity of pods and then threshing it on threshing yard. Don't take ratoon of pigeon pea because there will be chances of increasing sterility mosaic disease. Before storage, dry grains should be dried in sunlight for five to six days and then stored. Storage should not be done in humid place. If possible, store grains with 5% neem leaves. This protects the grain from store grain pests.</p>
Onion	Growth Stage	<p>Due to cloudy and humid condition for the control of Thrips and blight take spray of Dimethoate 30% EC 15 ml or Lambda cyhalothrin 5% EC 6 ml + Tebuconazole 10 ml per 10 litre of water during clear weather condition.</p>
Grape	Fruiting Stage	<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. Give irrigation to Grape vine yard during night time for maintaining temperature.</p>
Banana		<p>As further fall in minimum temperature is expected irrigation should be applied at night hours for the orchard. Application of neem cake fertilizer should be applied per plant 250 to 100 gram quantity according to its crop stage. For control of thrips and cold condition the banana bunches should be covered with 6% perforated plastic bags. For control of sigatoka blight disease removes and destroy the infested leaves. For control of aphids spray diamethoate 20 ml per 10 lit. of water.</p>
Animal Management	Care of livestock in winter season	<ul style="list-style-type: none">➤ Keep cattle inside the sheds during night and provide dry bedding to protect them from cold.➤ Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition.➤ Give mineral mixture to animals along with salt regularly and also wheat grains, jaggery etc. @ 10-20% in the daily ration during winter season to meet the energy requirement of the animals.➤ Protect the animals and poultry birds from cold by covering open side of Cattle shade and Poultry house with curtains/ gunny bags.



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Source:

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

Place : KrishiVigyan Kendra, Mohol.

Date :28th January 2022

Sd/-

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