



AGROMET ADVISORY BULLETIN

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



Ph. No. (02189)233001

E-mail: damu.kvkmohol@gmail.com

100) Weather based Agromet Advisory committee meeting dated 13.05.2021 District: Solapur

Last Week Weather Summary (07.05.2021 to 13.05.2021)							Weather Parameters	Weather Forecast (14.05.2021 to 18.05.2021)				
07	08	09	10	11	12	13	Date	14	15	16	17	18
0.0	0.0	0.4	0.0	0.0	0.0	0.0	Rainfall (mm)	4.0	3.0	0.0	45.0	24.0
38.6	38.2	39.4	38.5	37.8	39.2	39.9	Max. Temp. (°C)	40.0	41.0	41.0	37.0	32.0
26.8	26.4	26.2	26.4	26.2	26.8	26.5	Min. Temp. (°C)	27.0	28.0	25.0	21.0	20.0
Partially Cloudy	Cloudy	Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Cloud Cover	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
70	76	59	59	60	58	52	Max. RH (%)	44	38	51	79	81
39	49	32	38	32	30	26	Min. RH (%)	23	28	38	45	65
5.9	5.7	5.9	4.6	4.1	5.3	5.9	Wind Speed(km/hr)	14.0	21.0	30.0	41.0	27.0

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		<p>According to forecast given by India Meteorological Department there is possibility of rainfall at isolated places during 13th May to 15th May 2021 at Many places (Fairly widespread) on 16th May 2021 and there is possibility of rainfall at most of the places on 17th May 2021 in the district. Maximum temperature will be 32^oc to 41^oc, Minimum temperature will be 20^oc to 28^oc and wind speed will be from 14 km/h to 41 km/h.</p> <p>Warning: Isolated places in the district may experience thunderstorm accompanied with lightening and rain on dt.14th May 2021 in the district.</p>
General Advisory		<ul style="list-style-type: none"> ➤ There is possibility of unseasonal rainfall harvesting of matured crops, fruits and vegetables should be done. ➤ Store the harvested & threshed produce at safe storage places. If threshing is not possible the harvested produce should be covered properly. ➤ For protection from untimely rains the stored grains should be shifted at safe storage. ➤ Spraying of insecticide and pesticide should be done by considering the forecasted rain and preferably when there is no rain. ➤ Farmers should download and make use of Meghdoot mobile app for weather based crop advisory and weather forecast. ➤ Also, farmers should download and make use of use of Damini mobile app for lightning and thunderstorm warning and forecasting.
SMS Advisory		There is possibility of unseasonal rainfall harvesting of matured crops, fruits and vegetables should be done.
Mango		<p>The fruit fly lays its eggs in the fruit below outer cover of the fruit when the fruit is about to mature. The larvae develop on the pulp of the fruit. Hence the infested fruit should be destroyed. The soil should be ploughed below the trees. For its control use methyl usenol coated 8-10 traps per acre. Harvest the matured fruits preferably before 10AM or after 4PM and store them at safe place for ripening. The transportation of produce should be done in evening or after.</p> <p>For uniform ripening in a natural way in 6 to 8 days of mango keshar variety after</p>



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		harvesting, antimicrobial resistant (hydrogen peroxide stabilized by colloidal silver) processed in 4 ml per liter of water for 5 minutes pre-processed in fruit ripening room for 100 ppm ethylene gas for 18 hours or 750 ppm ethephon. It is recommended to process the solution for 5 minutes and pack the fruits in porous boxes.
Pomegranate		If orchard has bacterial blight history take spray of streptomycin sulphate 90% + tetracycline hydrochloride 10% (Streptocycline) @ 0.5g/L once a month and at 7-10 days' interval from bronopol. Avoid too many sprays, if rain is there, take an additional spray of streptocycline + copper.
Banana		As per requirement give support of bamboo sticks or polypropelene sticks to the plant sand banana bunch which is big. For control of thrips the banana bunches should be covered with 6% perforated polythene bags. For control of aphids spray diamethoate 20ml per 10 litre of water. In the improved ripening chamber for natural banana ripening, the processing of 100 ppm Ethylene gas at temperature 20 0c +/- 2 0c and 90% relative humidity for 24 hours.
Sugarcane	Growth Stage	<p>Carry out earthing up of pre seasonal sugarcane at the age of 16 to 18 weeks after planting. Give the fertilizer dose of Nitrogen 136 kg (Urea 295 kg), Phosphorus 85 kg (Single Super Phosphate 531 kg) and Potash 85 kg (Murate of Potash 142 kg) per hector before earthing up of Sugarcane.</p> <p>During May month the rate of evaporation increases up to 9.24 mm per day thus sugarcane plant requires 9.33 liters water per day to fulfill that requirement it is need to run Drip irrigation unit (4 liters dripper) for 2 hour and 20 minutes per day.</p> <p>Crop Protection</p> <p>Stem Borer: Use 2 Phule Trichocards per acre with interval of 10 to 15 days for 2 to 3 times for control of Stem Borer in Sugarcane crop.</p> <p>White grub: Adults comes together on Acacia, Neem and Ber trees at the time of evening after first shower of rain. First female adults and then male adults come out of the soil. They eat leaves of these trees. During night period shake the branches of these trees due to which adults falls on ground. Collect these adults and destroy them in kerosene mixed water.</p>
Sunflower	Harvesting	If sunflower mature, It should be harvested. Harvested crop should threshed and store in a safe place. If threshing is not possible the harvested produce should be covered properly.
Maize	Maturity	Carry out harvesting of matured crop and keep the harvested produce at safe place as rainfall is forecasted
Summer Groundnut	Pegging to pod development	Care should be taken to avoid water stress during peg formation to pod development. If possible sprinkler should be used for irrigation. Due to dry weather apply irrigation to Groundnut crop as per local condition, soil type and there requirement at an interval of 8 to 10 days considering soil type.
Tomato	Growth Stage	For control of Fruit borer spray the crop with Novaluron 10% EC 15 ml or Chlorantraniliprole 18.5% S.C. 3ml per 10 liter of water.
Land Preparation		Carry out the preparatory tillage operation like ploughing for cultivation of crop in Kharif season. For taking pulse crop in Kharif season carry out deep ploughing followed by 2 harrowing, mix Compost @ 5 ton per hector before last harrowing which will help in better mixing of compost in soil.
Poultry	Birds	To protect Poultry birds from heat cover the sides of Poultry shed with gunny bags and



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		spray water on these gunny bags to minimize the temperature inside the poultry house. Cover the roof of poultry house with grass or with gunny bags which will help to keep the reduce temperature of poultry house.
Animal Management		Keep the animals in shade. Give cool, clean and pure water to animals. Keep the animals at safe place as thunderstorm accompanied with lightning and rain very likely to occur at isolated places.

Source:

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

Place : Krishi Vigyan Kendra, Mohol.

Date :13th May 2021

Sd/-
Nodal Officer, DAMU, KrishiVigyan Kendra, Mohol,
Solapur.