



**AGROMET ADVISORY BULLETIN**  
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**Weather based Agromet Advisory committee meeting dated 07.04.2020**  
**District Pune**

**Significant past weather of the preceding week and Weather Forecast**

Last Week Weather Summary (30.03.2020 to 05.04.2020)							Weather Parameters	Weather Forecast (07.04.2020 to 11.04.2020)				
30	31	1	2	3	4	5	Date	8	9	10	11	12
4.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
35.8	36.2	36.6	37.7	38.1	38.3	39.1	Max. Temp. (0C)	37	37	38	38	38
20.1	19.3	18.4	18.6	18.4	18.9	19.3	Min. Temp. (0C)	19	19	19	20	20
							Cloud Cover	2	0	0	1	0
88	54	63	52	51	52	40	Max. RH (%)	56	53	51	52	47
76	31	31	21	21	20	22	Min. RH (%)	23	20	20	21	20
							Wind Speed(km/hr)	7	8	5	4	4
							Wind direction (deg)	273	269	124	138	190

**Agromet Advisory Based on Weather Forecast Prediction**

Crop	Crop Stage	Advisory
<b>Weather Summary/ Alert</b>		According to forecast given by India Meteorological Department there is possibility of rain accompanied by thunderstorm and lightening at isolated places on 10 <sup>th</sup> and 11 <sup>th</sup> April 2020 and on 7 <sup>th</sup> to 9 <sup>th</sup> April 2020 the weather may remain dry in the district.
<b>General Advisory</b>		Isolated places in the district may receive rainfall hence the harvested produce should be covered in proper way so that the rains may not damage the produce. The harvested sorghum, Bengal gram, wheat etc. grain should be dried in sunlight and kept at safe storage place. The cattles and animals should be kept at safe place. The spraying of pesticide, insecticide should be done considering the forecasted rain.
<b>Covid - 19</b>		The farmer's are advised to keep mask on mouth. Keep distance of 3-5 feet to avoid contact in between persons during field work. Don't come together closely in group. Wash hands frequently with soap and also use sanitiser and use hand gloves. Wash hands for safety of yours and society, don't travel and take care.
<b>Sugarcane</b>	Growth	The seasonal (Suru) Sugarcane crop should be kept weed free up to 4 months of planting by weeding and hoeing. As the summer season has started crop should be given irrigation at proper time intervals.
<b>Groundnut</b>	Flowering stage	Intercultural operation should be avoided after starting of peg formation. Care should be taken to avoid water stress during peg formation to pod development. If possible sprinkler should be used for irrigation. Give irrigation to Groundnut crop at an interval of 8 to 10 days according to requirement of crop and considering soil type. For control of Leaf Eating

		Caterpillar spray the crop with Chlorpyrifos 20 ml mixed in 10 liters of water. For control of tikka disease spray the crop with Mancozeb 2.5 gram or Carbendazim 1 gram mixed in 1 liter of water.
<b>Vegetable crops</b>	Vegetative growth stage	Due to present weather condition for control of sap sucking pest on okra, brinjal, pumpkin etc. spray 5 % Neem ark or fipronil 25 ml per 10 lit. of water. For control of spider mites spray fenpropyathrin 30% EC, 5 ml or diafotol 18.5% EC, 20 ml per 10 lit. of water.
<b>Chilli</b>	Vegetative growth stage	Due to present weather condition the <b>Leaf curl</b> viral disease may spread due to Thrips and White fly on Chilli for its control use yellow sticky traps for white fly and blue sticky traps for thrips. For the management of white fly, spray Dimethoate (30 EC) 15 ml or Difenthiuron (50 WP) 12 gm or Fenprothrin (30 EC) 5 ml with 10 liters of water. For the management of thrips, spray Fipronil (5 EC) 15 ml or Spinosad (45 EC) 4 ml with 10 liters of water.
<b>Tomato</b>	Fruit bearing stage	The larva of fruit borer first feeds on leaves and then on green or ripened fruits. For control of it take 2-3 sprays of 25% EC Quinalphos 20 ml or Novaluron 10% EC 15 ml or chlorantriliniprole 18.5 SC, 3 ml per 10 lit. of water at an interval of 8-10 days.
<b>Mango</b>	Fruit bearing stage	The newly planted mango plants should be protected from wind by giving support of sticks. The fruit bearing big trees should be irrigated considering their age, soil type, available water etc at proper time intervals. Mulching of dried leaves, grass etc. should be done at the base of mango tree.
<b>Pomegranate</b>	Bacterial blight management	Allow naked defoliated stems to face sun till the tip portion of the branches start drying. Due to high temperature and low moisture, the bacteria residing safely in the nodes (source of infection in next season) of the naked stems will desiccate and die. Go for light pruning removing upper 10-15 cm of stems, put recommended fertilizer doses, irrigate and start the new crop.
<b>Grapes</b>	Harvest stage and Rest period to Foundation pruning:	The grape harvesting season was approaching to end. However, due to the present situation of Covid-19, it is becoming difficult to go out of house. Hence, under lockdown condition, it is not possible to complete the harvesting. The grape growers are therefore advised to convert the available fresh grapes on vine to dried grapes (raisin) through drying on vine method. If planning for foundation pruning in next 10- 15 days, it is advised to get soil and water analysed for planning nutrient and water application schedule for foundation pruning season.
<b>Banana</b>		As the temperatures are increasing apply irrigation to the orchards at proper intervals. As per requirement give support of bamboo sticks or polypropylene sticks to the plants. Use mulching in orchards to avoid evaporation losses.
<b>Flower plants</b>		For control of spider mites on Gerbera, carnation spray dicofol 15 ml or abamectin 4 ml per 10 lit. of water.
<b>Animal Management</b>		For control and prevention of diseases all animals should be given medicine and vaccination in consultation with veterinary doctor and always give clean drinking water to cattle. Keep the animals in shade.
<b>Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.</b>		

**Source:**

- 1) Weather Forecast : Regional Meteorological Centre (RMC, Mumbai)  
2) Last week weather summary : IMD observatory (CAGMO, A.C., Pune)

**Place : COA, Pune**

**Sd/-**

**Date : 07.04.2020**

**Principal Nodal Officer, GKMS, AMFU Pune &  
Head, Department of Agril. Meteorology, COA, Pune.**