



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 28.02.2020
District Jalgaon

Weather Parameters	Weather Forecast (28.02.2020 to 03.03.2020)				
Date	29	1	2	3	4
Rainfall (mm)	0	0	0	0	0
Max. Temp. (0C)	33	32	32	31	31
Min. Temp. (0C)	15	14	13	13	12
Cloud Cover	0	1	1	2	1
Max. RH (%)	26	38	32	28	29
Min. RH (%)	14	16	18	17	16
Wind Speed(km/hr)	6	5	7	13	12
Wind direction (deg)	147	249	260	295	299

Agromet Advisory Based on Weather Forecast Prediction

Crop	Crop Stage	Advisory
Weather Summary/ Alert		According to forecast given by India Meteorological Department the weather may remain dry on 1 st to 3 rd March and there is possibility of rains at isolated places on 28 th and 29 th February in the district.
General Advisory		Isolated places in the district may receive rainfall hence, matured crop such as sorghum, Bengal gram, wheat etc. can be harvested. The harvested produce should be threshed and kept at safe storage places. If threshing is not possible the harvested produce should be covered in proper way so that the rains may not damage the produce. The cattles and animals should be kept at safe place. The harvest grain should be kept at safe storage places. The spraying of pesticide, insecticide should be done considering the forecasted rain.
Vegetable crops	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 diacofol 18.5% EC, 20 ml per 10 lit. of water.
Chilli	Vegetative growth stage	Due to present weather condition the aphid infestation may occur on chili crop for its control spray imidachloprid 17.8 SL, 5 ml per 10 lit of water.
Tomato	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.
Onion	Vegetative growth stage	Due to the present weather for control of blight disease spray diathane M-45, 25 grams per 10 liter of water. For control of thrips spray alternately dimethoate 30% concentrate 15 ml or Lambdacyhalothrin 5% concentrate 6 ml per 10 lit. of water
Water melon/	Vegetative growth stage	Due to present diurnal temperature variation which may lead to infestation of leaf miner attack for its control spray profenophos 20 ml per 10 litre of water.

musk melon		For control of fruit fly erect 5 Qulure pheromone traps per acre.
Rabbi Sorghum	Grain Filling	Give irrigation to the Sorghum crop grown in medium soils at 90 to 95 days after sowing i.e. grain filling stage of Sorghum crop.
Wheat	Flowering to grain filling	Due to present weather condition for control of Rust spray the crop with Mancozeb @1.5 kg mixed in 500 liters of water. For control of Aphids spray the crop with Thiamethoxam 25 WG 50 gram per hectare mixed in 500 liter of water.
Flowers	Growth stage	For control of spider mites spray fenpropyathrin 30% EC, 5 ml or diacofol 18.5% EC, 20 ml per 10 lit. of water.
Sugarcane	Harvesting stage	For control of white grub deep ploughing should be carried out in the field after complete harvest of the crop. For control of white grubs apply Metarhizium Anisopli 5 kg per hectare along with FYM.
Mango	Flowering	Due to present weather condition the powdery mildew disease may emerge on inflorescence of mango also jassids infestation may occur. For its control spray imidachloprid 17.8 SL, 3 ml + water soluble sulphur 80 % WP, 25 gm per 10 lit of water. In keshar mango for flowering and yield increasing apply 1% potassium dihydrogen phosphate (100 gm per 10 lit. of water) at flowering stage and after one month spray 1 % potassium nitrate (100 gm per 10 lit. of water), also do grafting by keshar mango during February and March on local mango trees for conversion into improved variety.
Pome-granate	Bacterial blight management	Put plants on rest soon after harvest till February. Take main pruning and provide recommended nutrition for rest period soon after harvest. Put plants on stress from March till there is natural defoliation without chemical defoliant.
Grapes	Berry development	Due to present diurnal temperature variation which may lead to infestation of mealybug attack for its control spray buprofezin 25% SC 15 ml or Verticillium laccani 50 gm + 50 ml milk per 10 litre of water.
Animal Manageme nt		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. For goats to control liver fluke worm give fenbendazil wormicide by consulting veterinary doctor. For control and prevention of diseases all animals should be given medicine in consultation with veterinary doctor and always give clean drinking water to cattle. 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. The silage and 25 to 30 gm salt mixture is essential to be given to animals.

Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide etc.

Source:

- 1) Weather Forecast : Regional Meteorological Centre (RMC, Mumbai)
2) Last week weather summary :-

Place : COA, Pune

Date : 28.02.2020

Sd/-

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Head, Department of Agril. Meteorology, COA, Pune.**