



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 17.01.2020
District Pune

Significant past weather of the preceding week and Weather Forecast

Last Week Weather Summary (11.01.2020 to 17.01.2020)							Weather Parameters	Weather Forecast (17.01.2020 to 21.01.2020)				
11	12	13	14	15	16	17	Date	18	19	20	21	22
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
25.9	28.0	28.6	29.0	28.8	30.2	26.0	Max. Temp. (0C)	29	30	31	32	32
13.5	13.7	14.5	14.6	14.0	12.0	8.2	Min. Temp. (0C)	12	14	16	16	16
							Cloud Cover	0	0	1	1	1
96	98	96	98	96	84	90	Max. RH (%)	51	42	50	53	48
55	46	40	48	29	32		Min. RH (%)	25	28	30	31	30
4.9	3.5	1.0	2.1	2.0	5.1	4.0	Wind Speed(km/hr)	9	10	7	5	7
							Wind direction (deg)	78	52	47	216	63

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 during next five days.
General Advisory		Hoeing and weeding operations should be carried out in standing <i>rabi</i> crops like sorghum, wheat and gram to avoid competition for nutrients by weeds. Due to dry weather apply irrigation to <i>rabi</i> crops, fruit orchards and vegetable crops as per local condition, soil type and there requirement.
Wheat	Vegetative growth stage	Carryout intercultural operations for weed control and conserving soil moisture. Irrigation scheduling for crop should be done at critical growth stages to get maximum yield. Apply first irrigation at 20 to 22 DAS, second at 40 to 42 days after sowing and third at 60 to 65 DAS also the interval between two irrigations should be maintained properly according to the local conditions and soil depth & type.
Mango	Flowering	Due to present weather condition the inflorescence of mango may get jassids infestation. For its control spray imidacloprid 17.8 SL 3 ml per 10 lit of water.
Sugarcane :	Planting	Prepare the field for sugarcane cultivation. Before planting dip the sugarcane stumps in solution prepared from 100 lit. water + 300 ml malathion + 100 gm carbendanzim (Bavistin) for 10 minutes. Due to this the fungal infestation and scale insects are controlled. After this dip the stumps in solution prepared by mixing azotobactor and PSB bio fertilizer @ 10 kg and 1.25 kg per 100 lit. of water respectively for 30 minutes before planting. Due to this there is saving in nitrogenous and phosphorous fertilizers to the tune of 50 and 25 %

		respectively.
Gram :	Vegetative growth stage	If one larva per plant is observed then for control of pod borer take a spray of chlorantriliniprole 18.5 SC, 2.5 ml or emamectin benzoate 5 SG, 4 gm per 10 liter of water.
Cotton	Boll development to maturity stage	Complete the harvesting and uprooting of cotton plants and avoid keeping the crop standing in the field or taking ratoon crop. This will be helpful for non perpetuation of cotton pest and also breaking of life cycle of major cotton pest. If the crop is kept in the field or taken as a ratoon the pest may get food supply and perpetuate that will affect the crop in next year.
Onion	Vegetative growth stage	Due to the cloudy 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
Pigeon pea	Flowering to pod development stage	For control of pod borer spray spinosad 45 SC 2.5 ml or emamectin benzoate 5 SG 4 gm per 10 lit. of water.
Vegetable crops	Vegetative growth stage	Due to present weather condition for control of sap sucking pest spray Lambdacyhalothrin 5 EC, 6 ml or diamethoate 30 EC, 15 ml per 10 lit. of water.
Knoll crops :	Vegetative growing stage	For control of aphids on cabbage and borer on cauliflower spray malathion 50 EC 20 ml per 10 lit. of water or apply 4 % neem extract.
Animal Managemement		For protection from cold weather more watt bulbs should be kept in the poultry barn and cattle sheds. For control and prevention of diseases in sheep animals should be given vaccination in consultation with veterinary doctor. Always give clean drinking water 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 : IMD observatory (CAGMO, A.C., Pune)

Place : COA, Pune
Date : 17.01.2020

Sd/-
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