



AGROMET ADVISORY BULLETIN
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Weather based Agromet Advisory committee meeting dated 13.03.2020

District: Nashik

Observed weather during last week (Dated 07.03.2020 to 13.03.2020)							<u>Weather Parameters</u>	Weather Forecast (Valid for 14 th March to 18 th March, 2020)				
07/03	08/03	09/03	10/03	11/03	12/03	13/03	Date	14/03	15/03	16/03	17/03	18/03
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
28.5	29.5	31.0	31.0	30.5	28.4	27.5	T _{max} (°C)	29	30	31	32	32
13.5	11.8	14.0	14.0	14.2	12.0	13.2	T _{min} (°C)	13	14	15	15	15
Clear	Clear	Clear	Clear	Clear	Cloudy	P Cloud	Cloud Cover	Clear	Clear	P Cloud	P Cloud	Cloudy
88	92	84	84	85	90	86	RH-I (%)	79	76	74	72	72
42	41	31	31	33	53	30	RH-II (%)	41	38	36	36	36
6.2	3.5	3.3	3.3	7.4	4.5	4.7	Wind Speed (km/hr)	8	11	8	7	5

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		In the next five days there is possibility of dry weather. Also Maximum Temperature staying in between 29-32 Degree Celsius, Minimum Temperature 13-15 Degree Celsius & the wind speed will remain between 5-11 km/ hr for the next five days.
General Advisory		<ol style="list-style-type: none"> 1. Use micro irrigation system in vegetable crops for efficient use of water. 2. Cleaning of the filter of drip and Sprinkler irrigation systems should be done properly. Also make sure the water is falling right through the drippers. 3. Soil samples should be sent to soil testing lab for testing. 4. Threshing of harvested crops is to be carried out immediately and then store them in a safe place. 5. Start the sowing of summer Green gram (Mug) crop.
SMS Advisory		Control the Spodoptera litura on summer Groundnut crop by spraying with N rileyi@ 40 gm OR SLNPV@ 10 ml per 1 lit. of water.
Wheat	Harvesting & Threshing	<ol style="list-style-type: none"> 1. Harvest wheat crop at physiological maturity stage. 2. If delay in harvest, the shattering of grains of wheat varieties like NIAW-301 & NI-5439 can occurs in the field. Therefore, the crop should be harvested 2-3 days before maturity.
Groundnut	Vegetative	<ol style="list-style-type: none"> 1. Control the leaf miner & leaf eating caterpillar in summer Groundnut crop by spraying with Emamectin benzoate 5 SG@ 4 gm per 10 lit. of water 2. Control the Spodoptera litura on summer Groundnut crop by spraying with N rileyi@ 40 gm OR SLNPV@ 10 ml per 1 lit. of water. 2. If there are found gap after sowing seeds are to be dibbled immediately as a gap filling. 3. 2 to 3 hoeings & 2 hand weedings operations should be done at 10-15 days intervals in groundnut crop. 4. For control of weeds in Groundnut crop by undertake the spraying of pursuit OR Targa super@ 15 ml per ha. per 10 lit. of water after 20-25 days of sowing.
Chickpea (Gram)	Harvesting & Threshing	<ol style="list-style-type: none"> 1. Do not harvest when the gram crop is green. Gram should be harvested only after the drying of the pods and then threshing should be done. 2. Harvested and Threshed produce of Gram should be kept in sunlight at least for 6-7 days. 3. To avoid pest attack during storage of gram seed, add neem leaves (5%) to it.
Fruit crops		For proper management of water in the fruit orchards, use the residue of different crops (eg. wheat bran, dry leaves, paddy straw etc.) in the field as mulch.
Grape	Harvesting	Control mealy bug on grape by undertaking the spraying of Verticillium lecanii@ 50 gm + 50 ml milk per 10 lit. of water.

Sugarcane		For control the white grub insect in sugarcane crop, make a deep plough & undertakes the bio fungicidal spraying of Metarhizium anisopliae@ 5 kg per ha. with organic manure.
Mango		1. Considering the increasing temperature & dry weather give a water to Mango plants 150 to 200 liter per plants at 15 days intervals & to reduce the fruit drop in mango by spraying the solution of growth regulators like Naphthalic Acetic Acid (NAA) @ 20 PPM (1 gm per 50 lit. of water) on mango flowers. 2. Control the powdery mildew disease & hoppers pest on mango plant by undertaking the spraying of Imidacloprid 17.8 SL@ 3 ml + Sulfur 80 wp @ 25 gm per 10 lit. of water.
Chilli		Control the Aphid on Chilli crop by undertaking the spraying of Imidacloprid 17.8 % @ 5 ml per 10 lit. of water.
Brinjal		1. Control the hoppers, Aphid & white flies on Brinjal crop by undertaking the spraying of phosphamidon 40% sl@ 15 ml OR Fenprothrin 30% ec@ 5 ml per 10 lit. of water. 2. Control the spidermite on Brinjal crop by undertaking the spraying of Fenprothrin 30% ec@ 5 ml per OR Dicofol 18.5% ec@ 25 ml per 10 lit. of water.
Livestock		All healthy animals should be vaccinated twice a year (September-March) for the prevention of foot & mouth disease. Also, keep infected animals from other animals.

Source:

- 1) Weather Forecast : Regional Weather Forecasting Section, Mumbai
2) Last Week Weather Summary : GKMS, Agromet Observatory, ZARS, Igatpuri

Place : ZARS, Igatpuri
Date : 13.03.2020

Sd/-
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Associate Director of Research, ZARS, Igatpuri