



AGROMET ADVISORY BULLETIN

GRAMIN KRISHI MAUSAM SEWA, AMFU, IGATPURI
ZONAL AGRICULTURE RESEARCH STATION, IGATPURI.



Ph. No. 02553-244032

E-mail: igatpuri.amfu@gmail.com

66) Weather based Agromet Advisory committee meeting dated 16.10.2020

District: Nashik

Last Week Weather Summary (09.10.2020 to 15.10.2020)							Weather Parameters	Weather Forecast (17.10.2020 to 21.10.2020)				
09	10	11	12	13	14	15	Date	17	18	19	20	21
0.0	7.0	0.0	0.0	0.0	4.6	23.0	Rainfall (mm)	20	24	23	16	15
30.6	31.4	31.2	29.0	31.6	31.6	30.0	Max. Temp. (°C)	30	31	32	31	31
19.6	21.6	23.0	22.6	21.4	22.0	22.4	Min. Temp. (°C)	23	24	24	24	24
Cloudy	Cloudy	Cloudy	Clear	Clear	Cloudy	Cloudy	Cloud Cover	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
100	92	93	71	63	89	85	Max. RH (%)	91	92	94	95	93
65	67	64	74	55	78	77	Min. RH (%)	66	66	66	73	71
3.1	3.9	2.0	1.7	2.1	2.8	5.5	Wind Speed (km/hr)	4	6	6	5	7

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary		Cloudy conditions may remain occur during next 5 days. Light to moderate rain is expected during next five days at isolated places.
General Advisory		<ol style="list-style-type: none"> 1) Care should be taken not to stagnate the water in the field. Drain out excess water from the field. 2) Care should be taken to avoid possible damage due to strong winds and rains. 3) Animals should be kept in a safe place. 4) Use Damini mobile app for electricity forecasting. 5) Management should be done to store the falling rain water in field. 6) In case of manual field operations, accomplish the operation in 4-5feet spaced strips assigning one strip to one person. This will ensure adequate social distance to engaged labours. Agricultural machinery should be sanitized frequently. Farmer should use face mask. 7) Pesticides and fungicides should be sprayed after the rainfall stops and weather is clear.
SMS Advisory		Considering the weather forecast, postpone the harvesting of paddy and other kharif crops for next five days and if arrested in rain move it to the safe place for drying.
Paddy	Reproductive – grain filling to ripening	<ol style="list-style-type: none"> i) Considering the weather forecast, postpone the harvesting of paddy for next 5 days. To protect it from falling rain, move the stack of produce to the safe place for further drying and threshing of seeds. ii) Maintain the water level up to 15 cm where crop is in panicle formation. iii) For the management of brown plant hopper, spraying of Buprofezin 25 % SC at the rate of 1000 ml or Thiamethoxam 25 WG at the rate of 100 g mixed in to the 500 liter of water should be initiated when 15 to 20 hoppers per hills were observed. iv) For control of blight, blast and brown spots spray of Carbendazim 50 % W.P. at the rate of 500 g per hectare in to the 500 liter of water. Use sticker 0.1 % (1ml in 1 liter of solution) during spraying. v) Destroy the panicles infected with smut and Udbatta disease.



AGROMET ADVISORY BULLETIN

**GRAMIN KRISHI MAUSAM SEWA, AMFU, IGATPURI
ZONAL AGRICULTURE RESEARCH STATION, IGATPURI.**



Ph. No. 02553-244032

E-mail: igatpuri.amfu@gmail.com

Soybean	Reproductive Phase – pod development	Harvesting should be initiated in mid late and late varieties after achieving physiological maturity so as to avoid pods sprouting due to falling rain. Avoid delay in harvesting as heavy losses may occur due to grain shattering. Harvesting should be done by cutting the plants with sickle then collect, sun dry or protect it from falling rain and make heap at threshing yard
Cotton	Reproductive phase – Boll development	<p>i) Reddening in cotton observed due to heavy infestation of sucking pest mainly jassids and due to deficiency of Magnesium micronutrient. For management of this soil application of Magnesium Sulphate at the rate of 20-30 kg/ha and two spray of 2 % DAP at an interval of 15 days is advised.</p> <p>ii) Due to humid and cloudy condition, the incidence of whitefly has increased. For the management of whitefly spraying of Triazophos 40 EC at the rate of 1500 ml per hectare mixed in 500 liters of water should be done.</p> <p>iii) First picking should be initiated when 15 – 25 % bolls were burst and rainfall stops.</p> <p>iv) If 8-10 adults of pink bollworm found in pheromone traps for continuous 2 to 3 days , spraying of Triazophos 40 EC at the rate of 30 ml or Lambda cyhalothrin 5 % EC at the rate of 10 ml mixed into 10 liter of water should be done.</p>
Gram		Sowing of irrigated gram should be completed during 20 th October to 10 th November. For sowing use Desi varieties like Vijay, Vishal, Digvijay and Phule Vikram and for Kabuli gram Virat, PKV-2, PKV-4. Seed treatment 2 g Bavistin + 2 g Thirum/ kg seed and apply 25 g of Rhizobium culture per kg of seed through cold solution of jaggery
Onion	Transplanting	<p>i) Use the seedlings age of 40-45 days after sowing in nursery. Over and under age seedlings should be avoided. One third of the seedling top should be cut to get better establishment. Maintain optimum spacing of 15 cm between rows and 10 cm between plants.</p> <p>ii) Apply 40 kg Nitrogen, 40 kg Phosphorous and 60 kg Muriate of Potash per hectare as basal dose at the time of transplanting.</p>
Citrus		For control of Phytophthora fungus, Trichoderma organic fungus should be mixed with manure at the rate of 25 g per plant. Carbendazim at the rate of 1 g per liter should be sprayed immediately for control of stem rot in citrus crop before harvesting.
Live stock management		<p>i) During this season there is a greater chances for development of Foot and Mouth disease. So animals should be vaccinated by the veterinarian.</p> <p>ii) Deworming must be done throughout the season by using anthelmintic drugs like Albendazole or Ivermectin because worms multiply at a greater rate during this period.</p>

Source:

- 1) Weather Forecast : Research Section, Mumbai
2) Last week weather summary : GKMS Observatory, ZARS, Igatpuri, Dist. Nashik.

**Place : ZARS, Igatpuri
Date : 16.10.2020**

**Sd/-
Nodal Officer, GKMS,
AMFU Igatpuri &
Associate Director of Research
ZARS, Igatpuri, Dist. Nashik**