Agromet Advisory Service Bulletin for Thane and Palghar District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
(02358) 282387

No. 33/2019 **Date: 22/04/2019** **Duration – 5 days**

Dr. Ashokkumar Chavan,
Head,
Department of Agronomy
9422373396

Dr. Vijay More,
Nodal Officer,
Department of Agronomy
9422374001

Dr. Shital Yadav,
Technical Officer,
Department of Agronomy
8379901160

Significant past weather for the preceding week (Period –16/04/2019 to 22/04/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 27/04/2019				
16/04	17/04	18/04	19/04	20/04	21/04	22/04		23/04	24/04	25/04	26/04	27/04
-	-	-	-	-	-	-	Rainfall (mm)	0	0	0	0	0
-	-	-	-	-	-	-	Maximum temperature (^oC)	33	35	35	35	36
-	-	-	-	-	-	-	Minimum temperature (^oC)	24	26	26	27	29
-	-	-	-	-	-	-	Cloud cover (Octa)	2	0	1	1	2
-	-	-	-	-	-	-	Relative Humidity Max. (%)	56	64	59	52	46
-	-	-	-	-	-	-	Relative Humidity Min. (%)	21	21	23	20	18
-	-	-	-	-	-	-	Wind speed (Km/hr)	4	5	3	3	4
-	-	-	-	-	-	-	Wind direction	150	225	235	161	149

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year
0.0	0.0	2359.6

Agro-met Advisory

There will be increase in maximum and minimum temperature from 23rd to 27th April, 2019.

Crop	Stage	Agro Advise
Summer rice	**Grain filling stage**	• Rice crop is in grain filling stage hence maintain optimum water level of 5 cm.
Mango	**Fruiting (Egg to maturity stage)**	• Due to forecast for reducing humidity and increase in temperature, harvest the mature fruits before 10 hours in the morning and after 16 hours in the evening with the help on Nutan mango harvester at 80 to 85% maturity immediately which will help to reduce spongy tissue. Keep the harvested fruits in shade to prevent from heat and spongy tissue. • To prevent incidence of post harvest diseases on fruits, place the fruits in hot water of 52^oC for 10 minutes and then keep for ripening. Use C.F.B. (corrugated fiber box) for packing developed by B. S. Konkan Krishi Vidyapeeth, Dapoli. Transport of harvested fruits should be done preferably during night hours. Do not spray any insecticides/fungicides 8 days before harvesting of mango fruits. • For control of fruit fly incidence, install 'Rakshak fruit fly trap" developed by University @ 4 traps per hectare. Collect and destroy fallen fruits and keep orchard clean.
Coconut	**Fruiting**	• Due to increase in rate of evaporation, provide irrigation to coconut orchard at 5 to 6 days interval. • For control of adults and grubs of rhinoceros beetle spray the FYM pits with Chlorpyriphos 20 ml in 10 lit of water at two months interval.
Sapota	**Flowering and Fruiting**	• Collect and destroy all infected fruits to maintain good sanitation in sapota orchards. • Due to increase in rate of evaporation, provide irrigation to sapota orchard at 5 to 6 days interval.
Vegetables/ Fruit crop nursery	**Fruiting**	• Due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops.
Milch animal /goat/poultry	**-**	• Provide clean, hygienic and plenty amount of drinking water to farm animals and poultry birds. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately. • There is forecast for increase in temperature, hence protect animals and poultry birds from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect animals and poultry birds from direct hot winds. • In poultry shed, increase the water pot and provide adequate and clean water for drinking. Also, feed should be given in the morning or evening hours. • Vaccination against Goat Pox disease in goat under the supervision of veterinary officer is advocated.

This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of "Gramin Krishi Mausam Sewa (GKMS)" Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.
For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.