Agromet Advisory Service Bulletin for Thane and Palghar District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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No. 31/2019 **Date: 16/04/2019** **Duration – 5 days**

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Significant past weather for the preceding week (Period –10/04/2019 to 16/04/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 21/04/2019				
10/04	11/04	12/04	13/04	14/04	15/04	16/04		17/04	18/04	19/04	20/04	21/04
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	0	0	0	0	0
32.2	32.2	32.4	32.4	37.4	33.2	-	Maximum temperature (^oC)	34	35	36	37	37
22.4	23.4	22.6	22.2	23.0	24.6	-	Minimum temperature (^oC)	27	27	27	27	26
0	0	0	0	0	0	-	Cloud cover (Octa)	1	0	0	0	0
86	90	77	91	84	81	-	Relative Humidity Max. (%)	79	59	58	53	71
68	64	64	44	60	50	-	Relative Humidity Min. (%)	34	23	23	21	21
3.4	3.5	3.1	3.5	4.1	4.3	-	Wind speed (Km/hr)	6	5	4	3	4
S	NE	NNE	Calm	Calm	SSE	-	Wind direction	289	129	241	226	200

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 17th to 21st April, 2019.

Crop	Stage	Agro Advise
Summer rice	**Flowering**	• Apply 3rd dose of nitrogen 20 kg ha^{-1} (Urea 43 kg ha^{-1}) to rice crop at the time of flowering. also maintain optimum water level of 10 cm. in the field.
Mango	**Fruiting (Egg to maturity stage)**	• Due to sudden drop in humidity with increase in temperature there is possibility of mango fruit drop of hence, provide irrigation for mango @ 150 to 200 lit. of water at fortnight interval to reduce fruit drop. Also use straw mulch to reduce evaporation. • Harvest the mature fruits if any 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. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. • To prevent incidence of post harvest diseases on fruits, place the fruits in hot water of 52°C 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 protection of mango fruits from incidence of anthracnose and powdery mildew disease, spray Carbendazim 12% + Mancozeb 63% @ 10 g per 10 liter of water for control of anthracnose + Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter of water for control of powdery mildew disease. Further 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. • Provide irrigation to newly planted mango orchard @ 30 liters of water twice in week (1 years old), twice in 15 days interval (2 years old) and twice in month (3 years old). New growth below graft union should be removed regularly. • For new plantation of mango, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 10 X 10 m (5 X 5 m for high density planting). Re-filled the pits with mixture of soil, 3 to 4 basket of **well decomposed FYM** and 3 kg of single super phosphate. Note: partially decomposed FYM will act as attractant for termite.
Cashewnut	**New plantation**	• For new plantation of cashewnut, clean the field, dig the pits of size 0.6 X 0.6 X 0.6 m at a spacing of 7.5 X 7.5 m or 8 X 8 m. Re-filled the pits with mixture of soil, 1½ to 2 basket of **well decomposed FYM** and ½ kg of single super phosphate. Note: partially decomposed FYM will act as attractant for termite.
Coconut	**New plantation**	• For new plantation of coconut, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 7.5 X 7.5 m or 8 X 8 m. Re-filled the pits with mixture of soil, 10 kg of **well decomposed FYM** and 2 kg of single super phosphate. • Due to increase in rate of evaporation, provide irrigation to coconut orchard at 5 to 6 days interval. • Provide support and shade to newly planted coconut orchard.
Sapota	**Flowering and Fruiting**	• Due to increase in rate of evaporation, provide irrigation to sapota orchard at 5 to 6 days interval also use straw mulch to reduce evaporation. • For new plantation of sapota, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 10 X 10 m. Re-filled the pits with mixture of soil, 3 to 4 basket of **well decomposed FYM** and 2.5 kg of single super phosphate. Note: partially decomposed FYM will act as attractant for termite.
Vegetables/ Fruit crop nursery	**Fruiting**	• To control the incidence of white flies in summer okra, place yellow sticky cards @ 8 per acre in field. • There is possibility of incidence of shoot and fruit borer on okra, if incidence is noticed spray cypermethrin 25%EC @ 3ml or Lambda cyhalothrin 5%EC @ 6ml per 10 liter of water. • 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 protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. • 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.

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.
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