



Agromet Advisory Service Bulletin for Thane District
(Issued jointly by IAAS, Dr. B.S. Konkani Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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Duration – 5 days

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Significant past weather for the preceding week (Period –28/09/2019 to 04/10/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 09/10/2019				
28/09	29/09	30/09	01/10	02/10	03/10	04/10		05/10	06/10	07/10	08/10	09/10
4	1	4	1	0	0	-	Rainfall (mm)	9	12	20	21	20
31.5	32.1	32.1	33.1	34.1	36.2	-	Maximum temperature (°C)	33	34	35	36	36
24.4	24.9	25.1	25.5	24.6	24.7	-	Minimum temperature (°C)	26	26	27	27	28
-	-	-	-	-	-	-	Cloud cover (Octa)	7	4	7	7	7
100	99	100	-	-	100	-	Relative Humidity Max. (%)	92	88	87	83	80
99	94	95	89	90	88	-	Relative Humidity Min. (%)	68	63	62	59	58
5	5	3	1	1	2	-	Wind speed (Km/hr)	3	3	3	5	6
SSW	SSW	S	WSW	SE	E	-	Wind direction	SSW	S	SE	ESE	NE

Agro-met Advisory

There is possibility of light to moderate rainfall from 5th to 9th October, 2019 also possibility of increase in maximum temperature and sky will be cloudy.

Extended range rainfall forecast for Konkani division for the period from 4th to 10th October, 2019 is normal. According to NDVI, Agriculture vigour is moderate and according to SPI, severely wet condition experienced in Thane district.

Crop	Stage	Agro Advise
Kharif rice	Flowering to grain filling stage	<ul style="list-style-type: none"> • Maintain 5 cm level of water in rice field where mid- late rice varieties in grain filling stage and late rice varieties is in flowering stage. • Drain out water from the field where early rice varieties is in maturity stage. • There is forecast of light to moderate rain, hence by observing rainfall situation harvest matured early rice varieties in morning hours only with 'Vaibhav sickle' near to ground level and follow immediate threshing, the threshed grains should be sun dry for 2 to 3 days before storage. • Due to forecast of increase in temperature and humidity, there is possibility of incidence of army worm in early rice varieties, hence by observing rainfall situation harvest matured early rice varieties. • Due to forecast of increase in temperature and cloudy weather condition, there is possibility of incidence of brown plant hopper in lowline area of mid-late and late rice field. hence observe crop regularly for infestation of pest. If incidence of brown plant hopper is observed above threshold level (5-10 hopper/hill), spray Acephate 75%WP @ 2.25 g or Fipronil 5% SC @ 2 ml or Imidacloprid 17.8% SL @ 0.2 ml per liter of water. Precaution should be taken to spray the insecticide on stem of rice plant. make provision for replacing stagnated water with fresh water for every 2-3 days.
Mango	Vegetative	<ul style="list-style-type: none"> • Due to high humidity condition in past created favourable condition for growth of fungus in dense trees. Due to forecast of increase in temperature, the fungal growth will increase and result in dieback of branches in mango. For control of disease, collect and destroy all diseased infected leaves, branches and apply bordopaste to cut portion of branches. After cleaning of orchard, spray Metalaxyl 8% + mancozeb 64% combination fungicide @ 20 g per 10 liter of water. • Due to increase in temperature and humidity there is possibility of incidence of hoppers, midge fly and shoot borer on vegetative flush of mango to protect the flush of mango, spray Lambda cyhalothrin 5%EC @ 6ml or Quinalphos 25%EC @ 25 ml per 10 liter of water.
Cashewnut	Vegetative	<ul style="list-style-type: none"> • Due to high humidity condition in past created favourable condition for growth of fungus in dense trees. Due to forecast of increase in temperature, the fungal growth will increase and result in dieback of branches in cashew. For control of disease, collect and destroy all diseased infected leaves, branches and apply bordopaste to cut portion of branches. After cleaning of orchard, spray Metalaxyl 8% + mancozeb 64% combination fungicide @ 20 g per 10 liter of water. • Due to increase in temperature and humidity there is possibility of incidence of tea mosquito bug and thrips on vegetative flush of cashewnut to protect the flush of cashew, spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water.
Coconut	Fruiting	<ul style="list-style-type: none"> • For control of eriophyid mite on coconut, neem-based insecticide neemazal 5% @ 7.5 ml be mixed in equal quantity of water apply through root feeding during month of October-

		November. Harvesting is avoided at least 45 days after treatment. In addition to this spray neem-based insecticide (nemazal) 1% @4 ml per liter of water on bunch of nuts. Collect and destroy all infected inflorescence and nuts before spraying.
Vegetables crop nursery	Sowing	<ul style="list-style-type: none"> • For raising of vegetable nursery for rabi season, cultivate the land when it is at field capacity condition and then prepare raised bed of 3m length x 1 m breadth x 15cm height. Apply 5 kg FYM, 35gm urea, 100gm single super phosphate and 25gm muriate of potash per sq. m. For protection of seedlings from wilt disease, drench nursery bed with 1% bordomixture before 3-4 days of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed.
Milch animals/Goat	--	<ul style="list-style-type: none"> • Provide clean and hygienic water to farm animals also maintains good aeration in farm shed.
<p>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.</p>		