



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



No. 80/2020

Date: 06/10/2020

Duration – 5 days

Dr. Prashant Bodake,
Head,
Department of Agronomy
9420413255

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 –30/09/2020 to 06/10/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 11/10/2020				
30/09	01/10	02/10	03/10	04/10	05/10	06/10		07/10	08/10	09/10	10/10	11/10
0.0	0.0	0.0	0.0	17.2	0.0	-	Rainfall (mm)	7	0	0	0	23
32.0	33.2	33.0	32.8	33.0	32.6	-	Maximum temperature (°C)	33	34	33	34	34
24.0	25.0	24.2	23.8	24.2	23.8	-	Minimum temperature (°C)	26	26	26	26	26
4	4	3	5	4	4	-	Cloud cover (Octa)	8	6	6	5	8
92	87	94	83	86	89	-	Relative Humidity Max. (%)	85	85	77	72	91
85	80	83	80	74	78	-	Relative Humidity Min. (%)	62	55	51	45	53
0.0	0.0	0.0	1.9	0.0	1.9	-	Wind speed (Km/hr)	4	4	3	3	6
Calm	Calm	Calm	W	Calm	W	-	Wind direction	SSE	SE	SE	E	SSE

Weather summary

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light rainfall on 7 th October, 2020 and moderate rainfall on 11 th October, 2020 at an isolated place over Thane district. Also, sky will remain cloudy.
ERFS	As per ERFS products normal rainfall may occur in Konkan division during 9 th to 15 th October, 2020.

Crop	Stage	Agromet Advisory based on weather forecast
Kharif rice	Flowering to grain filling (late varieties), grain filling (midlate varieties) and maturity (early varieties)	<ul style="list-style-type: none"> Due to forecast of light rainfall, harvest the matured early rice varieties during morning hours, stored threshed grains in protective shed after immediate threshing. Dry threshed grains in protective shed. Maintain the optimum water level of 5 cm in midlate and late rice varieties field. Due to forecast of intermittent rainfall and increase in temperature, there is possibility of incidence of army worm in early rice varieties, hence immediate harvest the matured early rice varieties.
Finger millet	Grain filling to Maturity	<ul style="list-style-type: none"> Due to forecast of light rainfall, harvest the matured early varieties of finger millet crop in morning by cutting of ear head with sickle and dry in the safe and protective shed. Follow threshing after drying.
Mango	Vegetative	<ul style="list-style-type: none"> Due to forecast of very light rainfall and increase in temperature which favours congenial condition for vegetative flush in mango, for protection of vegetative flush of mango from hoppers and midge fly incidence, spray Deltamethrin 2.8%EC @ 9 ml per 10 liter of water. Before insecticide application, clean orchard by removing weeds, diseased infected branches. Increase in temperature, comparative reduction in humidity and sufficient available soil moisture create condition for pruning in old unproductive and high-density mango orchard. In high density (5X5 m or 6X4 m) mango orchard carryout pruning operation regularly, it includes detopping, pruning of cross branches and removing of dead wood. The height of tree in high density orchard should be maintained at 80% of row distance. In the old unproductive mango orchard, for penetration of solar radiation into canopy carryout central opening and pruning operation. While performing operation, old tall mango trees should be prune at 2/3rd height from base. In younger mango trees, pruning operation should be done at 12-15 ft height from base. After pruning spray chloropyriphos insecticide 5 ml per liter of water on to whole tree also pour solution into base of stem. After that apply bavistin 5 gm by mixing with 1 liter of coltar to the cut portion of branches. Provide irrigation 150-200 liter of water at 10-15 days interval immediately after pruning. Thin excess sprouting after two months of pruning.
Sapota	Fruiting	<ul style="list-style-type: none"> Follow inter cultivation operation in sapota orchard. for penetration of solar radiation into canopy carryout central opening and pruning operation. apply bordo paste to cut portion and take a spray of 1% bordo mixture onto entire branches and stem portion of sapota tree. There is possibility of incidence of seed borer in sapota, for control of seed borer, collect and destroy all infected fruits and dried leaves. take a spray of profenophos 50% EC @ 15 ml or Indoxacarb 14.5 SC@ 5 ml or Deltamethrin 2.8%EC @ 10 ml insecticide per 10 liter of water. Install blue light trap in orchard for monitoring insect.
Vegetable	Sowing	<ul style="list-style-type: none"> For raising brinjal, chilli, tomato and other vegetable crop nursery for rabi season, cultivate the land at field capacity condition and mix well decomposed FYM @500 gms per guntha

crops		in to soil at the time of bed preparation. Prepare raised bed of 3 m length x 1 m breadth x 15 cm height. At the time of sowing apply 35 gm urea, 100 gm single super phosphate and 25 gm muriate of potash per sq. m. Before sowing, treat the seed with thiram fungicide @ 3 gm/kg of seed or Trichoderma @ 5 gm/kg for protection from seed borne diseases. for seed treatment of Trichoderma use water to prepare paste to adhere like seed coat.
Milch animals/Goat	--	<ul style="list-style-type: none"> • To protect the farm animals from Crimean Congo Hemorrhagic Fever viral disease transmitted by tick worm, keep cattle shed clean and follow control measure of tick-worm in consultation with veterinary officer. • Preserve the available green fodder by adopting silage method which helps to feed animals during the period when green fodder is not available. For this, sprinkle the prepared solution of 2 kg jaggery +half kg urea+ 2kg salt in 5-6 liter of water onto 100kg finely chopped grasses. then this treated grass is filled layer wise in plastic silos readily available in market. Keep the silos in shade to protect from rain and heat. In this way, the feed is ready within 2-3 months to feed the farm animals.
Poultry	-	<ul style="list-style-type: none"> • There is suitable weather condition for rearing of birds for egg and meat purpose. The brooders should be prepared before the chicks are brought as they need proper temperature and protection till the sixth week after hatching. The temperature of the brooder should be kept around 30 to 35°C. When the chicks are brought, place them in a brooder and feed the grind corn along with drinking water.
<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>		