AGROMET ADVISORY SERVICE BULLETIN FOR THANE DISTRICT

(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth, & India Meteorological Department)

Ph.No. : (02358) 282387 **Email :** dpl.amfu@gmail.com

No. 05/2021 **Date: 15/01/2021** **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 –09/01/2021 to 15/01/2021)							**Weather Parameters**	**Weather forecast until 08.30 hrs of 20/01/2021**				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological Centre, Mumbai)				
09/01	**10/01**	**11/01**	**12/01**	**13/01**	**14/01**	**15/01**		**16/01**	**17/01**	**18/01**	**19/01**	**20/01**
0.0	0.0	0.0	0.0	0.0	-	-	Rainfall (mm)	0	0	0	0	0
31.0	33.0	33.0	-	34.0	-	-	Max.Temp. (°C)	32	33	34	33	32
19.0	18.0	18.0	22.0	19.0	-	-	Min.Temp. (°C)	22	23	23	23	22
6	4	4	0	4	-	-	Cloud cover (Octa)	2	2	1	0	0
78	83	86	81	76	-	-	Max. RH (%)	58	59	60	57	50
74	57	73	-	53	-	-	Min. RH (%)	35	32	34	36	34
0.0	0.0	0.0	0.0	0.0	-	-	Wind speed(Km/hr)	5	3	4	5	5
Calm	Calm	Calm	Calm	Calm	-	-	Wind direction	NE	NE	S	SSE	ESE

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of slightly decrease in maximum and minimum temperature by 1 – 2 °C and sky remain clear from 16th to 20th January, 2021 over Thane district.

Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
Mango	Flowering to fruiting	• There is possibility incidence of hoppers and powdery mildew disease on flower bud stage in mango. To protect the flower bud from pest and powdery mildew diseases, spray Lambda cyhalothrin 5%EC @ 6 ml + hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water during clear weather. • There is possibility incidence of hoppers, midge fly and powdery mildew disease on mango inflorescence. For management of pest and disease, spray of Imidacloprid 17.8% SL @ 6 ml per 10 liter of water before the flower opening to avoid the adverse effect on pollinators. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease during clear weather. Note: avoid spraying during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (9.00 am to 12.00 pm) which is active period of pollinators for pollination. • The recommended dose of insecticides is applicable for manually operating sprayer.
Cashewnut	Flowering to fruiting	• There is possibility of incidence of tea mosquito bugs and thrips on the inflorescence of cashewnut, to protect the cashew inflorescence, spray Profenophos 50% EC @10 ml per 10 liter of water during clear weather. • There is possibility of incidence of tea mosquito bugs and thrips on the fruits of cashewnut, to protect the cashew during fruit bearing stage, spray Lambda cyhalothrin 5% EC @6 ml or Acetamiprid 20%SP @ 5 gms per 10 liter of water during clear weather. (insecticide is not under label claim).
Coconut	Fruiting	• To control the attack of red palm weevil on coconut, collect and destroy

		the grubs from whole appear on infected trunk. Apply bordopaste to infected portion. Install pheromone trap 1 trap per acre in coconut orchard.
Sapota	Fruiting	• Apply second split dose of 5 kg FYM, 150 g urea, 450 g single super phosphate and 150 g muriate of potash per tree to year old sapota plant by band placement around the tree just inside the spread. Apply fertilizer dose every year by multiplying year with first year dose upto first 20 years and after 20 years, apply 100 kg FYM, 3 kg urea, 9 kg single super phosphate and 3 kg muriate of potash per tree thereafter. • Due forecast for decrease in humidity during next five days, provide irrigation to sapota orchard at 6-8 days interval.
Lablab bean	Flowering to pod development	• Provide irrigation to lablab bean crop where crop is in flowering to pod filling stage.
Water melon	Fruiting	• Provide irrigation to water melon crops at 3-4 days interval regularly as to protect fruits from cracking. • Cover the water melon fruits with paddy straw or grasses to protect fruits from sunlight. • Install cue lure 'Rakshak' trap @ 2 nos. per acre at the time of initiation of in watermelon crop for effective control of fruit fly. Collect and destroy all infected fruits.
Poultry	-	• For prevention of bird flu disease in poultry, it is advise to use spray of 1% Sodium hypochloride to sanitized the poultry shed and surrounding areas. In deep litter system of rearing of poultry birds, mix 2% calcium carbonate (Chunna) into bed. • provide clean and hygienic water for drinking.

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.