



AGROMET ADVISORY SERVICE BULLETIN FOR THANE DISTRICT

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



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Duration – 5 days

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Significant past weather for the preceding week (Period –19/01/2021 to 25/01/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 30/01/2021				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological Centre, Mumbai)				
19/01	20/01	21/01	22/01	23/01	24/01	25/01		26/01	27/01	28/01	29/01	30/01
0.0	0.0	0.0	0.0	0.0	-	-	Rainfall (mm)	0	0	0	0	0
33.4	33.0	33.8	32.0	33.0	-	-	Max.Temp. (°C)	31	30	31	31	32
19.0	21.2	20.2	19.0	18.0	-	-	Min.Temp. (°C)	16	17	17	18	18
0	0	0	0	0	-	-	Cloud cover (Octa)	2	2	1	0	0
64	60	62	65	74	-	-	Max. RH (%)	70	68	68	68	66
44	46	50	59	59	-	-	Min. RH (%)	59	55	53	50	50
0.0	0.0	0.0	0.0	0.0	-	-	Wind speed(Km/hr)	7	6	7	8	7
Calm	Calm	Calm	Calm	Calm	-	-	Wind direction	ENE	E	SE	NE	ENE

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of gradual rise in maximum and minimum temperature from 28 th to 30 th January, 2021 over Thane district.
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Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
Mango	Flowering	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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). For increasing yield and size of cashewnut, spray entire tree with 25% cow urine @ 5 lit per tree and drench the solution of 25% cow urine @ 10 liter per tree at an monthly interval from vegetative flush stage for 4 times.

Coconut	Fruiting	<ul style="list-style-type: none"> • For control of rhinoceros beetle, clean coconut orchard by removing all dried leaves and other dead waste to maintain good sanitation. Since breeding of the pest occur in FYM pits, hence dust the FYM pits near to orchard with chlorpyrifos 1.5% DP at 2 months interval. Extract the adult beetle from infected palm crown using GI hooks and fill this infected crown with 25 gms of chlorpyrifos 1.5% DP and sand mixture in 1:1 proportion. Also install the pheromone traps into orchard.
Sapota	Fruiting	<ul style="list-style-type: none"> • 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.
Lablab bean	Flowering to pod development	<ul style="list-style-type: none"> • There is possibility of incidence of pod borer on lablab bean crop which initially feed on buds and then on tender pods. If incidence is noticed, collect and destroy all infected pods and spray 5% neem seed kernel extract or Quinalphos 25% EC @ 20ml of Dimethoate 30% EC@12 ml per 10 liter of water. Install birds' perches into field.
Cucurbitaceous crops	Flowering to fruiting	<ul style="list-style-type: none"> • There is possibility of incidence of downy mildew in cucurbitaceous vegetables, if incidence noticed, remove and destroy infected leaves and take a spray of Mancozeb or Zineb 2.5 gm /lit of water at an interval of 10 to 15 days. • Install cue lure 'Rakshak' trap @ 2 nos. per acre at the time of initiation of in cucurbitaceous crop for effective control of fruit fly. Collect and destroy all infected fruits
<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.</p> <p>For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.</p>		