



AGROMET ADVISORY SERVICE BULLETIN FOR THANE DISTRICT

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



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Significant past weather for the preceding week (Period –16/01/2021 to 22/01/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 27/01/2021				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological Centre, Mumbai)				
16/01	17/01	18/01	19/01	20/01	21/01	22/01		23/01	24/01	25/01	26/01	27/01
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	0	0	0	0	0
-	33.6	-	33.4	33.0	33.8	-	Max.Temp. (°C)	32	32	31	31	31
20.0	19.0	20.0	19.0	21.2	20.2	-	Min.Temp. (°C)	19	18	18	17	17
0	0	0	0	0	0	-	Cloud cover (Octa)	0	0	2	4	5
62	67	73	64	60	62	-	Max. RH (%)	47	47	45	43	43
-	65	-	44	46	50	-	Min. RH (%)	25	24	23	21	18
0.0	0.0	0.0	0.0	0.0	0.0	-	Wind speed(Km/hr)	6	5	6	6	6
Calm	Calm	Calm	Calm	Calm	Calm	-	Wind direction	ENE	E	ENE	E	ENE

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of dry weather by drop in maximum and minimum temperature from 23 rd to 27 th January, 2021 and sky remain cloudy from 26 th to 27 th January, 2021 over Thane district.
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Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
General advisory	-	<ul style="list-style-type: none"> Due to forecast for decrease in minimum temperature, protect the poultry birds from low temperature by providing curtains and electric bulbs during night time.
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).

		<ul style="list-style-type: none"> • 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"> • Due to increase in temperature, there is possibility of incidence of rugose spiraling white fly on coconut, Nymphs and adults suck the sap from lower surface of leaves and produce honey dew sugary substance which develop growth of sooty mould fungus. If incidence is noticed spray 50 ml Neem seed kernel extract 0.5% @30 ml per 10 liters of water. For the control of black fungus on leaves, spray 1% starch solution (10 gms in 10 liter of water).
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. • Provide irrigation to lablab bean crop where crop is in flowering to pod filling stage.
Brinjal	Flowering to fruiting	<ul style="list-style-type: none"> • There is possibility of incidence of shoot and fruit borer on Brinjal, if incidence is noticed, collect and destroy all infected shoots and fruits and spray Fenvalerate @10 ml or Deltamethrin 2.8%EC @ 10 ml per 10 liter of water. Apply 3rd split dose of nitrogen fertilizer @ 4 g urea per plant at two months after planting.
Chilli	Flowering to fruiting	<ul style="list-style-type: none"> • Apply 3rd split dose of nitrogen fertilizer @ 3 g urea per plant at the time of fruiting.
Poultry	-	<ul style="list-style-type: none"> • Due to forecast for decrease in minimum temperature, protect the poultry birds from low temperature by providing curtains and electric bulbs during night time.
<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>		