



AGROMET ADVISORY SERVICE BULLETIN FOR THANE DISTRICT

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



Ph.No. : (02358) 282387

Email : dpl.amfu@gmail.com

No. 104/2020

Date: 29/12/2020

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 –23/12/2020 to 29/12/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 03/01/2021				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological Centre, Mumbai)				
23/12	24/12	25/12	26/12	27/12	28/12	29/12		30/12	31/12	01/01	02/01	03/01
0.0	0.0	0.0	0.0	0.0	-	-	Rainfall (mm)	0	0	0	0	0
32.2	31.0	32.0	32.2	32.8	-	-	Max.Temp. (°C)	32	32	32	32	31
18.0	20.0	19.0	19.0	18.0	-	-	Min.Temp. (°C)	18	20	21	22	21
0	0	0	0	0	-	-	Cloud cover (Octa)	1	1	0	1	7
72	66	65	67	67	-	-	Max. RH (%)	53	55	56	65	61
63	39	54	57	47	-	-	Min. RH (%)	30	29	31	37	34
0.0	0.0	0.0	0.0	0.0	-	-	Wind speed(Km/hr)	7	8	7	5	6
Calm	Calm	Calm	Calm	Calm	-	-	Wind direction	NE	ENE	ENE	ENE	ENE

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of gradual rise in minimum temperature from 31 st December, 2020 to 3 rd January, 2021 and sky remain clear over Thane district.
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Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
Chickpea	Vegetative	<ul style="list-style-type: none"> There is possibility for incidence of pod borer in chickpea. For management of pest install pheromone trap @2 trap per acre and install bird's perches @ 2 per acre. If incidence is noticed spray 0.5% neem seed kernel extract or azadirachtin 300 PPM @ 5 ml per liter of water.
Mango	Vegetative flush to flower bud	<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 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water. The recommended dose of insecticides is applicable for manually operating sprayer. Situation of clear sky and increase in evaporation rate, provide irrigation to newly planted mango orchard @ 30 liters of water at 7 days interval (1 years old), 15 days interval (2 years old) and one-month interval to 3 years old tree. New growth below graft union should be removed regularly.
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. 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. (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. Situation of clear sky and increase evaporation rate, provide irrigation to newly planted cashewnut orchard @ 15 liters of water at 15 days intervals.

		New growth below graft union should be removed regularly.
Coconut	Fruiting	<ul style="list-style-type: none"> • Provide irrigation to first four years old coconut orchard at 6 to 7 days interval and for above four years old orchard provide irrigation at 5 to 10 days interval. • 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).
Chilli	Flowering	<ul style="list-style-type: none"> • There is possibility of incidence of leaf curl disease in chilli due to thrips, white flies and mites which results into curling of leaves and stunted growth of plant. If incidence is noticed on transplanted chilli, spray dimethoate 30%EC 10 ml + Sulphur 20 gms per 10 liter of water at 10-15 days interval when intensity of rainfall is low. For control of thrips spray cow urine 10% and Azadirachtin 10000 PPM @3 ml per liter of water alternatively, seven days after transplanting at 10-15 days interval. • Apply 2nd split dose of nitrogen fertilizer @ 3 g urea per plant at the time of flowering. • Provide irrigation to chilli crop at 4-5 days interval regularly.
<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>		