No. 102/2017 **Date: 22/12/2017** (02358) 282387 **Duration – 5 days**

Agromet Advisory Service Bulletin for Thane District

(Issued jointly by IAAS, Dr. B.S. KonkanKrishiVidyapeeth, & Regional India Meteorological Department, Mumbai)

Dr. Subhash Chavan,	**Dr. D.N. Jagtap,**	**Prof. Viresh Chavan,**
Head,	Nodal Officer,	Technical Officer,
Department of Agronomy	Department of Agronomy	Department of Agronomy
9422431067	9403988143	9422065344

Significant past weather for the preceding week (Period –18/12/2017 to 22/12/2017)

Rainfall (mm):	
Total Rainfall (mm):	
Total Rainfall (mm) (last year)	
Maximum temperature (^{0}C)	
Minimum temperature (^{0}C)	
Morning RH (%)	
Afternoon RH (%)	
Wind Speed (km/hr):	
Total cloud cover (Octa)	

Weather forecast until 08.30 hrs of 27/12/2017

PARAMETERS	Day–1	Day–2	Day–3	Day – 4	Day – 5
	23/12	24/12	25/12	26/12	27/12
Rainfall (mm)	0	0	0	0	0
Maximum temperature (^{0}C)	35	35	34	35	35
Minimum temperature (^{0}C)	23	24	24	24	24
Total cloud cover (Octa)	2	3	4	0	0
Relative Humidity Max. (%)	84	86	88	88	87
Relative Humidity Min. (%)	44	44	46	46	47
Wind Speed (Km/hr)	005	005	005	006	006
Wind Direction	82	84	70	87	85

: Agro-met Advisory: 218

Sky will be cloudy from 23rd to 25th December, 2017. Wind velocity range from 5 to 6 kmph from 23rd to 25th December, 2017.

Crop	Crop Stage	Agromet Advisory
Groundnut/ Mustard	Emergence Stage	• For cultivation of rabi groundnut preliminary operation should be carried out. Deep ploughing and addition of 10 to 15 tonnes of FYM/Compost in groundnut field. Use of 125 to 150 kg seed for sowing. Use TG-26, TAG-24, TPG-41, Konkan Gaurav, Konkan Tapora any one variety for sowing. • Weather is suitable for sowing of 'Mustard'. Sowing of seed of variety **'Pusa bold'** and **'Varuna'** at the spacing 45cm x 10 cm is advocated. Apply 1 kg urea and 3 kg SSP per R area before sowing of seed.
Sapota	**Fruiting Stage**	• If unmature fruit drops of sapota are observed spray combined fungicides of (Metalxyl-M 8% + Mancozeb 64%) @ 0.2% i.e. 20 g per 10 lit. of water on whole plant canopy. • It is a possibility for incidence of sapota seed borer, spray deltamethrin 2.8% E.C. @ 10 ml per 10 liter of water alongwith sticker. (The insecticide are not under label claim). • Some parts in the district the sapota fruits are mature size stage, harvest the mature fruits before 10 hours in the morning and after 16 hours in the evening with the help on Atul Sapota harvester.
Coconut, Arecanut	**--**	• For control of adults and grubs of rhinoceros beetle. dust the FYM pits with 2 % Methyl parathion powder after every 2 month interval. • To control red palm weevil affected coconut, prepare a slanting hole with the help of screw drill about 1 m height from ground level on tree trunk and pour about 20 ml of 36 % Monocrotophos or 20% Chlorphyriphos with the help of plastic funnel in the hole and close the hole with the help of cement.
Vegetable crop and watermelon crop	**--**	• For control of bacterial wilt of chilli, brinjal and tomato seedling, spray Copper Oxychloride @ 20 to 25 g/10 lit of water on seedbed after sowing of seeds. Also apply Carbarly or Lindane powder on side of seedbed to control against ant. • There is possibility for incidence of powdery mildew, spray Hexaconazole 5% EC 5 ml or Sulphur 80% WP @ 20 g per 10 lit. of waters. • For cultivation of watermelon ploughing and cloud crushing of land and furrow be prepared at 4 m length 90 cm apart the both side of furrow prepared 30 x 30 x30 cm size pit, apply 1 to 1.5 kg FYM + 10 gm Carbaryl (10%) Powder, mix thoroughly with soil, sowing of 3 to 4 seeds at the depth of 2 to 2.5 cm, thinning after 15 days emergence of seedling keep only 2 seedlings per pit. The 50 kg N + 50 kg P_2O_5 and 50 kg K_2O per ha was required. The 1/3rd dose of N and full dose of P_2O_5 and K_2O be applied at the time of sowing and remaining N be apply 1 and 2 months after sowing at equal quantity.
Goats/ Milch animals	--	• Provide clean and hygienic drinking water and nutritious fodder and concentrates to farm animal. • Protect the animals/poultry birds from low temperature by providing curtains and electric bulbs as per the need.
Suggestion	**--**	• Contact nearby SAU Scientists or State Agril. Dept. for detail control measures against incidence of pest and diseases under adverse weather conditions.