

**Agromet Advisory Service Bulletin for Thane District**

(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth, &amp; Regional India Meteorological Department, Mumbai)

**Significant past weather  
for the preceding week**

(Period –31/01/2010 to 04/02/2010)

**Weather forecast until 08.30 hrs of 09.02.2010**

PARAMETERS	ENSEMBLE FCST				
	Day – 1 05/02	Day – 2 06/02	Day – 3 07/02	Day – 4 08/02	Day – 5 09/02
Rainfall (mm)	0	0	0	0	0
Maximum temperature ( <sup>o</sup> C)	30	32	32	33	33
Minimum temperature ( <sup>o</sup> C)	19	19	20	20	20
Total cloud cover (octa)	0	0	3	3	4
Relative Humidity Max. (%)	87	84	85	85	83
Relative Humidity Min. (%)	35	29	33	51	47
Wind Speed (Km/hr)	004	006	004	004	004
Wind Direction	100	130	100	250	190

**Agrometeorological Advisory**

Maximum temperature will be 30°C on 05.02, 32°C on 06.02 and 07.02 and 33°C on 08.02 and 09.02. Where as minimum temperature will be 19°C on 05.02 and 06.02. and 20°C from 07.02 to 09.02. Sky will be clear on 05.02 and 06.02, slightly cloudy from 07.02 to 09.02.

<b>Groundnut Maize</b>	Flowering is initiated in groundnut. Farmers are suggested to carry out earthing up with swastik earthing up hoe. Second dose of nitrogenous fertilizer (50 kg N/ha) be given. Irrigation be given after fertilizer application.
<b>Vegetables, Pulses.</b>	Fruiting is started in watermelon. The fruits be covered with paddy straw or grass to avoid cracking of fruits due to sunlight. Weed control be followed and irrigation be given. Second dose of nitrogen (40kgN/ha) be given to chilli and irrigation be applied. Incidence of leaf eating beetles, aphids and leaf eating caterpillars is observed on cucurbit vegetables, lab lab bean and rice bean, respectively. Incidence of leaf curl is observed on chilli. "Rakshak" fruit fly traps be installed @ 4 per ha in the field.
<b>Mango, Cashew</b>	Inflorescence and nuts are observed in cashew. Dry fishmeal extract @ 500g per 10 lits. of water be sprayed on cashew to have better nut development and increase in yield. Marble sized fruits are observed at some places in mango. Possibilities of premature fruit drop in mango due to increase in maximum and minimum temperature. Farmers are suggested to apply irrigation @200 to 250 lits/tree at an interval of 15 days, if possible. Potassium nitrate (1 per cent) be spraying to improve the quality of fruits. Incidence of hopper, thrips, and powdery mildew is noticed in mango and tea mosquito and thrips in cashew due to changes in temperature. Farmers are advised to supervise their orchards regularly.
<b>Coconut</b>	Incidence of eriophyid mite is observed at some places. Reddish streaks are observed on the infested nuts. Further breaking of outer cover is observed. Infested nuts remain small size. For effective control of this pest, a healthy red coloured root having pencil size thickness be selected and slanting cut be given at the tip. Neemazal 5 per cent @ 7.5ml or econeem plus @10ml be mixed in equal quantity of water and placed in plastic bag. The bag be tied to this root in such a way that the root with slanting cut should remain in the solution. Harvesting of nuts be done before this treatment and harvesting be avoided at least 45 days after treatment. Infested and fallen nuts be destroyed.
<b>Livestock and Poultry</b>	Care be taken and vaccination be followed against probable diseases in goat and poultry birds as per suggestion of veterinary officer. The climate in the shade be maintained dry and warm. Green fodder and water be provided regularly to milch animals. For which, fodder crops like maize, bajara be planted. Dry fodder be given along with green fodder. Water should be not be too cold. Control measure against ecto parasites be followed.
<b>Water harvesting</b>	Loose bolder dams or dam with cement bags filled with sand or soil be prepared at different places along the length of nala for collecting water and its storage. "Vijay Bandhara" water harvesting technology of this University be adopted.
<b>Suggestion</b>	Contact nearby SAU Scientists or state Agril. Staff for measures against adverse conditions.

Crop	Pest/ disease	Spaying	Quantity of pesticide for 10 lits. of water	Remarks
Mango (in flush and flowering stage).	Hopper and Powdery mildew	4 <sup>th</sup> spray 15 days after 3 <sup>rd</sup> spray	endosulfan 35 EC @ 15 ml	This spray be given only when it is atmost essential as the flowers in the inflorescence are open and may be damaged.
		5 <sup>th</sup> spray 15 days after 4 <sup>th</sup> spray	Fenthoate 50EC 10ml OR Phosalon 35EC @ 15ml OR Dimethoate 30EC @20 ml	Water-soluble sulphur @ 20g or carbendazim @10g or hexaconazole @ 5ml be mixed in spray solution during this spray to have protection against powdery mildew.
Cashew Inflorescent (Nut stage)	Tea mosquito		endosulfan @35 EC @ 15 ml	As per as possible spraying be done before opening of flowers in the florescence
	Thrips		carbaryl 50 WDP @ 20g or profenophos 50EC @ 10ml	
Cucurbit vegetables	Leaf eating Beetles		Dimethoate 30EC @15 ml (previous bulletin)	Spraying be done if intensity of incidence is more.
Lablab bean	Aphids		dimethoate 30EC @10 ml (previous bulletin)	
Rice bean	Leaf eating Caterpillar		endosulfan @35 EC @ 12.5 ml	
Chilli	Leaf curl		Sulphur 8 C WP @20 gm	