



Agromet Advisory Service Bulletin for Thane District

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

Significant past weather
for the preceding week

(Period –11/04/2010 to 15/04/2010)

Weather forecast until 08.30 hrs of 20.04.2010

PARAMETERS	ENSEMBLE FCST				
	Day – 1 16/04	Day – 2 17/04	Day – 3 18/04	Day – 4 19/04	Day – 5 20/04
Rainfall (mm):					
Total Rainfall (mm):					
Total Rainfall (mm) (last year):					
Maximum temperature (°C)	38	38	37	37	38
Minimum temperature (°C)	26	26	27	27	26
Maximum temperature (°C)					
Minimum temperature (°C)					
Morning RH (%)	91	89	90	92	90
Afternoon RH (%)	33	38	41	35	36
Wind Speed (km/hr):	004	004	004	004	004
Total cloud cover (Octa)	230	170	170	190	200
Wind Direction					

Agrometeorological Advisory

Maximum temperature will be 38°C on 16.04, 17.04 and 20.04 and 37°C on 18.04 and 19.04. Where as minimum temperature will be 26°C On 16.04, 17.04 and 20.04 and 27°C on 18.04 and 19.04. Sky will be slightly cloudy from 16.04 to 20.04.

Groundnut Maize	Groundnut crop is at pod development to maturity stage. At maturity, the veins on mature pods are clear with blackening of inner rind of pod and the leaves become yellowish. The pods are tough to feel. The plants under such condition be uprooted, maturity be checked. At maturity harvesting be undertaken. Pods be dried for 4 to 5 days. Light irrigation be given if the soil is hard. Cobs of maize are ready to harvest and be harvested at proper time and stored properly.
Vegetables, Pulses, Mustard, Sesamum	Increase in evaporation is noticed because of increased temperature. Irrigation be given to vegetables as per requirement at an interval 2 to 3 days. Mustard, sesamum be harvested during early morning. Fruits of brinjal and okra be harvested when they are tender. The fruits of tomato be harvested before full ripening. At maturity, the pod colour of rice bean, kulthi etc. changes to yellowish brown and the leaves get dried and drop down. Mature pods be harvested early in the morning to avoid the loss of grains due to cracking. The harvested pods be stored properly in dry shade. Lab lab bean (wal) is also ready to harvest. Mature pods be harvested, sun dried for 3 to 5 days and the grains be separated from pods by beating with wooden stick. The seeds be coated with earthen paste so as to protect from seed borer during storage.
Mango, Cashew	Fire belt be prepared around the mango and cashew orchards. The mature fallen nuts of cashew be collected or ripe cashew apples along with nuts be harvested, nuts be separated from cashew apples, sun dried for 7 to 8 days and stored in gunny bags. Due to incidence of apple and nut borer, rotting of infested cashew apples and nuts takes place. Marble, egg and big size fruits are observed in mango. One per cent potassium nitrate be sprayed for better development of fruits. Premature fruit drop is observed at some places due to increase in temperature. Farmers are advised to provide irrigation to mango @ 150 to 200 lits./plant at fortnight interval and 2 per cent urea (20g/lit. of water) be sprayed to avoid premature fruit drop. “Rakshak” fruit fly traps be installed @ 4/ha.
New planted grafts, Coconut, arecanut	Mulching be done with grass or paddy straw, shade be prepared for newly planted grafts for newly planted seedlings of coconut and arecanut from south side to have protection from bright sunlight as increase in day temperature is noticed. Regular irrigation be given. The dry, fallen leaves and branches be collected and destroyed. Orchard be kept clean.
Livestock and Poultry	Care be taken and vaccination be followed against probable diseases in goat and poultry birds as per suggestions of veterinary officer and age of poultry birds. Green fodder and water be provided regularly to milch animals. Proper air ventilation be maintained in the shade. The roofs of shade be covered with wet gunny bags or paddy straw to have protection from increasing temperature. Water be sprayed on livestock animals during afternoon hours to have protection from bright sunlight. Water be sprayed at least twice a day or during afternoon on the gunny bags placed on roofs of shade to maintained wet. Possibilities of worm infection in goats, which causes loose motions. The weight of goats gets reduced. Their diet is also reduced. Their faecal matter be checked are febendazol @ 5mg per kg body wt. be given.
Suggestion	Contact nearby SAU Scientists or state Agril. Staff for measures against adverse conditions.

Crop stage	Pest/ disease	Spaying	Quantity of pesticide for 10 lits. of water	Remarks
Cashew (Nut)	Apple and nut borer	dichlorvos 10 ml and carbaryl 50 WDP @ 20g		Spraying be done, if necessary.