



Agromet Advisory Service Bulletin for Thane and Palghar District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
(02358) 282387



No. 29/2019

Date: 09/04/2019

Duration – 5 days

Dr. Ashokkumar Chavan,
Head,
Department of Agronomy
9422373396

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 –03/04/2019 to 09/04/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 14/04/2019				
03/04	04/04	05/04	06/04	07/04	08/04	09/04		10/04	11/04	12/04	13/04	14/04
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	0	0	0	0	0
31.0	31.0	32.6	32.8	32.0	32.0	-	Maximum temperature (°C)	34	34	34	34	34
21.0	22.2	24.4	21.2	21.4	21.6	-	Minimum temperature (°C)	23	23	24	24	25
0	0	0	0	0	0	-	Cloud cover (Octa)	0	1	0	0	0
83	95	81	81	77	93	-	Relative Humidity Max. (%)	70	57	58	51	50
69	61	58	59	61	63	-	Relative Humidity Min. (%)	32	31	29	26	22
3.3	3.2	4.5	3.8	2.6	3.3	-	Wind speed (Km/hr)	7	7	4	5	3
SSE	ESE	NE	NW	NNW	Calm	-	Wind direction	131	127	134	94	89
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2019 to till dated				Total Rainfall (mm) in last year		
0.0						0.0				2359.6		

Agro-met Advisory

There will be increase in maximum and minimum temperature from 10th to 14th April, 2019. It is wind velocity range on 7 from 10th and 11th April, 2019.

Crop	Stage	Agro Advise
Summer rice	Panicle development	<ul style="list-style-type: none"> Apply 3rd dose of nitrogen 20 kg ha⁻¹ (Urea 43 kg ha⁻¹) to rice crop at the time of flowering. also maintain optimum water level of 10 cm. in the field.
Mango	Fruiting (Areanut to egg stage)	<ul style="list-style-type: none"> In some places in district, Mango 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 Nutan mango harvester at 80 to 85% maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. To prevent incidence of post harvest diseases on fruits, Place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Packing of mango fruits in C.F.B. (corrugated fiber box) developed by B. S. Konkan Krishi Vidyapeeth, Dapoli is advised. Transport of harvested fruits should be done preferably during night hours. Don not apply any insecticides/fungicides 8 days before harvesting of mango fruits. Provide support to newly planted mango graft, as there is forecast of high wind velocity. There is possibility for incidence of powdery mildew disease on mango, if incidence is noticed spray Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter of water. There is possibility of incidence of thrips on the fruits of mango, if incidence is noticed spray Spinosad 45% SC @2.5 ml or Thiamethoxam 25% WG @ 2 gram per 10 liter of water. (Insecticide is not under label claim). Due to variation in temperature there is possibility of fruit drop of mango hence, provide irrigation for alphonso mango @ 150 to 200 lit. of water at fortnight interval to reduce fruit drop and increase the size of fruits. To protect the mango fruit from the incidence of fruit fly, install 'Rakshak fruit fly trap' developed by University @ 4 traps per hectare. Provide irrigation to newly planted mango orchard @ 30 liters of water twice in week (1 years old), twice in 15 days interval (2 years old) and twice in month (3 years old). New growth below graft union should be removed regularly.
Coconut	Fruiting and maturity	<ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation to coconut orchard at 5 to 6 days interval. Provide support and shade to newly planted coconut orchard. Carryout harvesting of matured nuts and dried in sun. For control of eriophyid mite on coconut, neem based insecticide Azadirachtin 5% @ 7.5 ml be mixed in equal quantity of water apply through root feeding three time in year during April-May, October-November and January- February. Harvesting of nuts is avoided at least 45 days after treatment. In addition spray 1 % neemazal @ 4 ml per liter of water on to the bunches of nuts. Collect and destroyed all infected nuts and branches and inflorescence before spraying. Apply 50 kg compost, 10 kg neem cake and zinc, boron, molybdenum and copper micronutrient mixture 200 gms per year per tree for management of eriophyid mite.
Sapota	Flowering and Fruiting	<ul style="list-style-type: none"> There is possibility for incidence of budworm in sapota, if incidence is notice spray any one of the insecticide viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamethrin 2.8% EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40% EC @ 10 ml per 10 liter of water, three spray at an interval of one month i.e. in month of March, April and May. Install blue light trap for monitoring insect. Due to increase in rate of evaporation, provide irrigation to sapota orchard at 5 to 6 days interval also use straw mulch to reduce evaporation.
Vegetables/ Fruit crop nursery	flowering	<ul style="list-style-type: none"> To control the incidence of white flies in summer okra, place yellow sticky cards @ 8 per acre in field. There is possibility for incidence of shoot and fruit borer on okra, if incidence is noticed spray cypermethrin 25%EC @ 3ml or Lambda cyhalothrin 5%EC @ 6ml per 10 liter of water. Due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops.
Milch animal /goat/poultry	-	<ul style="list-style-type: none"> Provide clean, hygienic and plenty amount of drinking water to farm animals and poultry birds. To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately. There is forecast for increase in temperature, hence protect animals and poultry birds from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect animals and poultry birds from direct hot winds. To protect the farm animals from attack of ticks, apply 2% methyl parathion powder on to body.
<p align="center">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>		