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

No. 93/2019 **Date: 19/11/2019** **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 –13/11/2019 to 19/11/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 24/11/2019				
13/11	14/11	15/11	16/11	17/11	18/11	19/11		20/11	21/11	22/11	23/11	24/11
0	-	0	0	-	0	-	Rainfall (mm)	0	0	0	0	0
37.0	-	35.3	37.6	-	37.9	-	Maximum temperature (^{o}C)	34	34	35	35	36
24.0	-	22.9	24.2	-	22.9	-	Minimum temperature (^{o}C)	24	24	25	26	25
-	-	-	-	-	-	-	Cloud cover (Octa)	4	5	3	3	4
100	-	97	100	-	88	-	Relative Humidity Max. (%)	62	64	68	68	65
66	-	78	82	-	77	-	Relative Humidity Min. (%)	39	38	46	47	41
2	-	2	1	-	3	-	Wind speed (Km/hr)	6	7	6	6	6
110	-	97	130	-	46	-	Wind direction	E	E	E	E	E

Agro-met Advisory

There is possibility of increase in maximum temperature from 20th to 24th November, 2019 alsosky will remain partly cloudy.
Extended range rainfall forecast for Konkan division for the period from 22nd to 28th November, 2019 is below normal.
According to NDVI, Agriculture vigour is good and according to SPI, severely wet condition experienced in Thane district.

Crop	Stage	Agro Advise
Rice	**Land Preparation**	• Start land preparation for rabi-hot season rice nursery. • For nursery of summer rice, prepare raised bed of size 1 m breadth X 10 m length. Apply 1 kg. urea and 3 kg. SSP per guntha at the time of sowing. • Rice Varieties viz., Karjat- 184, ratna, Ratnagiri -1, Ratnagiri-74, Ratnagiri- 24, Ratnagiri-711, Karjat-1 or Karjat- 3 are suitable for cultivation of summer rice. • Treat the seed with thiram fungicide @2.5 gm/kg of seed before sowing. • To reduce weed intensity, apply Oxadiagyl 6% EC @ 3 ml per liter of water uniformly on wet nursery beds after sowing.
Lablab bean	**Sowing**	• For cultivation of lablab bean, carryout ploughing operation on moist soil after the harvest of kharif rice and incorporate 5 tonne/ha FYM or compost. Then sow lablab bean @ 30 to 45 kg/ ha by dibbling at a spacing of 30 x 15 cm or 30 x 20 cm or 30 x 30 cm. apply 540 gms urea and 3 kg Single Super Phosphate per guntha at the time of sowing below the seed at 5 cm depth. Provide light irrigation after sowing. • Before sowing, treat the seed with Thiram fungicide @3 gm/kg of seeds. After that treat the seed with Rhizobium biofertilizers @ 25 gms per kg of seed and dry in shed one hours before sowing.
Mango	**Vegetative**	• There is possibility of incidence of hoppers, midge fly and shoot borer on vegetative flush of mango to protect the flush of mango, spray Lambda cyhalothrin 5%EC @ 6ml or Quinalphos 25%EC@25 ml per 10 liter of water. • Situation of increase in temperature may leads to accelerate evaporation, hence 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.
Coconut	**-**	• Situation of increase in temperature may leads to accelerate evaporation, hence provide irrigation to coconut orchard at 6 -7 days interval to newly planted orchard and for full grown tree provide irrigation at 5 -10 days interval.
Sapota	**Fruiting**	• Situation of increase in temperature may leads to accelerate evaporation, hence provide irrigation to sapota orchard at 7 to 8 days interval. • There is possibility of incidence of seed borer in sapota, for control of seed borer, collect and destroy all infected fruits and dried leaves. take a spray of profenophos 50% EC @ 15 ml or Indoxacarb 14.5 SC@ 5 ml or Deltamethrin 2.8 EC @ 10 ml insecticide per 10 liter of water twice at an interval of one month.
Okra	**Sowing**	• For the cultivation of okra, carryout primary tillage operation. Follow sowing on ridges and furrow having spacing of 45 X 15 cm. apply 150 kg FYM, 700 g urea, 3kg single super phosphate and 420 g muriate of potash per guntha. Provide light irrigation after sowing.
Aster	**Nursery**	• For the cultivation of aster flower crop, carryout primary tillage operation. Prepare raised bed of 2m length x 1m width x 10 cm height by mixing with fine soil and FYM. Sow the seeds in rows 10-12cm apart at 1 cm depth and cover with mixture of fine soil and FYM.

		Provide light irrigation after sowing.
Marigold	**Nursery**	• For the cultivation of marigold flower crop, carryout primary tillage operation. Prepare raised bed of 2m length x 2m width x 10 cm height by mixing with fine soil and FYM. Sow the seeds in rows 4-5 cm apart at 1 cm depth and cover with mixture of fine soil and FYM. Provide light irrigation after sowing.
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.		