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

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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 –28/09/2019 to 04/10/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 12/10/2019				
01/10	02/10	03/10	04/10	05/10	06/10	07/10		08/10	09/10	10/10	11/10	12/10
7.6	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	4	21	17	2	11
30.6	31.0	31.0	32.4	32.0	32.4	33.0	Maximum temperature (^{o}C)	33	35	36	35	35
26.0	26.0	26.0	26.4	24.6	25.0	26.0	Minimum temperature (^{o}C)	26	26	27	27	26
0	0	0	0	0	0	0	Cloud cover (Octa)	7	6	8	7	8
92	92	84	80	84	84	82	Relative Humidity Max. (%)	77	73	76	76	74
77	77	69	72	72	70	-	Relative Humidity Min. (%)	61	58	54	55	57
3.0	2.4	1.9	2.0	6.8	1.3	1.6	Wind speed (Km/hr)	11.3	8.3	5.4	6.7	7.3
NNW	W	ESE	ESE	NW	S	NNE	Wind direction	N	NE	E	E	ENE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year
7.6	4156.4	2359.6

Agro-met Advisory

There is possibility of light to moderate rainfall from 8th to 12th October, 2019 at isolate places also possibility of increase in maximum temperature and sky will be cloudy.

Extended range rainfall forecast for Konkan division for the period from 4th to 10th October, 2019 is normal. According to NDVI, Agriculture vigour is moderate and according to SPI, severely wet condition experienced in Palghar district.

Crop	Stage	Agro Advise
Kharif rice	**Flowering to grain filling stage**	• Maintain 5 cm level of water in rice field where late rice varieties are in grain filling stage and drain out water from the field where mid-late rice varieties are in maturity stage. • There is forecast of light to moderate rain, hence by observing rainfall situation harvest matured early rice varieties in morning hours only with 'Vaibhav sickle' near to ground level and follow immediate threshing, the threshed grains should be sun dry for 2 to 3 days before storage. • Due to forecast of increase in temperature and humidity, there is possibility of incidence of army worm in early rice varieties, hence by observing rainfall situation harvest matured early rice varieties. • Due to forecast of increase in temperature and cloudy weather condition, there is possibility of incidence of brown plant hopper in lowline area of mid-late and late rice field. hence observe crop regularly for infestation of pest. If incidence of brown plant hopper is observed above threshold level (5-10 hopper/hill), spray Acephate 75%WP @ 2.25 g or Fipronil 5% SC @ 2 ml or Imidacloprid17.8% SL @ 0.2 ml per liter of water. Precaution should be taken to spray the insecticide on stem of rice plant. make provision for replacing stagnated water with fresh water for every 2-3 days.
Mango	**Vegetative**	• In high density (5X5 m or 6X4 m) mango orchard, carryout pruning operation, it includes detopping, pruning of cross branches and removing of dead wood. The height of tree in high density orchard should be maintained at 80% of row distance. • In old mango orchard, carryout centre opening operation which increase penetration of sunlight and result in increase in flowering. • Due to increase in temperature and humidity 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.
Cashewnut	**Vegetative**	• Due to increase in temperature and humidity there is possibility of incidence of tea mosquito bug and thrips on vegetative flush of cashewnut to protect the flush of cashew, spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water.
Coconut	**Fruiting**	• For control of eriophyid mite on coconut, neem-based insecticide neemazal 5% @ 7.5 ml be mixed in equal quantity of water apply through root feeding during month of October-November. Harvesting is avoided at least 45 days after treatment. In addition to this spray neem-based insecticide (nemazal) 1% @4 ml per liter of water on bunch of nuts. Collect and destroy all infected inflorescence and nuts before spraying.
Sapota	**Fruiting**	• Follow the weeding operation in sapota orchard, also remove all dried, unproductive and disease infected branches, apply bordopaste on cut portion. After cleaning of orchard, spray 1% bordo mixture on to tree.For control of seed borer incidence on sapota, after cleaning of orchard, spray Profenophos 50% EC @ 15 ml or Indoxacarb 14.5 SC@ 5 ml or Novaluron 10%EC@ 5 ml or Deltamethrin 2.8 EC @ 10 ml insecticide per 10 liter of water. Repeat the spray at an interval of a month. Harvest all matured fruits before spraying.
Vegetables crop nursery	**Sowing**	• For raising of vegetable nursery for rabi season, cultivate the land when it is at field capacity condition and then prepare raised bed of 3m length x 1 m breadth x 15cm height. Apply 5 kg FYM, 35gm urea, 100gm single super phosphate and 25gm muriate of potash per sq. m. For protection of seedlings from wilt disease, drench nursery bed with 1% bordomixture before 3-4 days of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed.
Milch animals/Goat	**--**	• Protect the farm animals from increasing temperature. • Provide clean and hygienic water to farm animals also maintain good aeration in farm shed.
Poultry	**-**	• Protect poultry birds from increasing temperature.

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.