Agromet Advisory Service Bulletin for Raigad District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth, & Regional India Meteorological Department, Mumbai)
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Significant past weather for the preceding week (Period –25/09/2019 to 01/10/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 06/10/2019				
25/09	26/09	27/09	28/09	29/09	30/09	01/10		02/10	03/10	04/10	05/10	06/10
87.4	6.6	8.4	1.0	0.6	0.0	4.4	Rainfall (mm)	3	0	0	0	26
32.8	29.8	31.8	30.5	30.4	31.5	-	Maximum temperature (^{o}C)	32	32	33	33	33
23.4	24.4	23.2	23.8	23.4	23.4	-	Minimum temperature (^{o}C)	25	25	25	25	26
8.0	4.0	6.0	8.0	4.0	8.0	-	Cloud cover (Octa)	6	5	4	2	3
95.0	97.0	91.0	87.0	90.0	84.0	-	Relative Humidity Max.(%)	94	94	94	94	92
79.0	86.0	71.0	82.0	77.0	77.0	-	Relative Humidity Min. (%)	73	70	65	64	69
2.4	1.7	4.4	4.3	3.6	3.4	-	Wind speed (Km/hr)	3	3	3	4	4
NNE	Calm	NE	NE	ENE	Calm	-	Wind direction	SE	SE	E	NE	E

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year
108.4	4932.6	3558.3

Agro-met Advisory

There is possibility of light rainfall from 2nd and 6th October, 2019 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 Raigad district.

Crop	Stage	Agro Advise
Kharif rice	Flowering to grain filling stage	• Due to forecast of no rain from 2nd to 5th October 2019, Carryout harvesting of matured early rice varieties in morning hours with 'Vaibhav sickle' near to ground level and follow immediate threshing, the threshed grains should be dry in sun for 2 to 3 days. • Due to forecast of no rain from 2nd to 5th October 2019, maintain 5 cm level of water in rice field where mid- late rice varieties in grain filling stage and late rice varieties is in flowering stage. Drain out water from the field where early rice varieties is in maturity stage. • Apply 3rd split dose of nitrogenous fertilizer @ 71 kg urea /ha to the late rice varieties at the time of flowering. • Due to forecast of less rainfall, increase in temperature and humidity, there is possibility of incidence of army worm in early rice varieties, hence observe crop regularly for infestation of pest. Install bird's perches @3-4 / acre. If incidence of army worm is observed above threshold level (1larvae /hill), spray Dichlorovos 76 WSC 13 ml per 10 liter of water during evening hours or in early morning when wind blows calm.
Mango	Vegetative	• Due to high humidity condition in past created favourable condition for growth of fungus in dense trees. Due to forecast of increase in temperature, the fungal growth will increase and result in dieback of branches in mango. For control of disease, collect and destroy all diseased infected leaves, branches and apply bordopaste to cut portion of branches. After cleaning of orchard, spray Metalaxyl 8% + mancozeb 64% combination fungicide@20 g per 10 liter of water. • 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 high humidity condition in past created favourable condition for growth of fungus in dense trees. Due to forecast of increase in temperature, the fungal growth will increase and result in dieback of branches in cashew. For control of disease, collect and destroy all diseased infected leaves, branches and apply bordopaste to cut portion of branches. After cleaning of orchard, spray Metalaxyl 8% + mancozeb 64% combination fungicide@20 g per 10 liter of water. • 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		• 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.
Arecanut		• Due to forecast of no rainfall and increase in temperature, provide irrigation to areacnut orchard.

		If there is rainfall after 8-15 days dray period water stress may lead to splitting and drop of arecanut.
Milch animals/Goat	--	• Preserve the available green fodder by adopting silage method which helps to feed animals during the period when green fodder is not available. For this, sprinkle the prepared solution of 2 kg jaggery +half kg urea+ 2kg salt in 5-6 liter of water onto 100kg finely chopped grasses. then this treated grass is filled layer wise in plastic silos readily available in market. Keep the silos in shade to protect from rain and heat. In this way, the feed is ready within 2-3 months to feed the farm animals.
Poultry	-	• Vaccination against Ranikhet disease in poultry birds under the supervision of veterinary officer is advocated. • Keep regular attention to the cleanliness of birds and sheds.

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.