



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



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Duration – 5 days

Dr. Prashant Bodake,
Head,
Department of Agronomy
9420413255

Dr. Vijay More,
Nodal Officer,
Department of Agronomy
9422374001

Significant past weather for the preceding week (Period –25/07/2020 to 31/07/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 05/08/2020				
25/07	26/07	27/07	28/07	29/07	30/07	31/07		01/08	02/08	03/08	04/08	05/08
4.4	3.6	8.0	25.8	22.8	1.0	-	Rainfall (mm)	38	48	56	77	76
-	-	-	-	-	-	-	Maximum temperature (°C)	31	31	31	30	28
-	-	-	-	-	-	-	Minimum temperature (°C)	24	24	24	24	24
-	-	-	-	-	-	-	Cloud cover (Octa)	7	8	7	8	8
-	-	-	-	-	-	-	Relative Humidity Max. (%)	89	91	92	93	93
-	-	-	-	-	-	-	Relative Humidity Min. (%)	69	74	72	90	91
-	-	-	-	-	-	-	Wind speed (Km/hr)	5	6	11	14	15
-	-	-	-	-	-	-	Wind direction	S	S	W	SW	WSW
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
65.6				1069.5				5197.2				

Weather summary/Alert

As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of moderate to heavy rainfall at most places from 1st to 5th August, 2020 over Raigad district.

Warning: Heavy rainfall likely to occur at isolated places from 31st July to 1st August 2020. Heavy to very heavy rainfall likely to occur at isolated places on 2nd August, 2020 and at few places on 3rd August, 2020. Also possibility of heavy to very heavy rainfall at few places along with extremely heavy rainfall likely to occur at isolated places during 4th August, 2020 in Raigad district.

As per ERFS products above normal rainfall may occur in Konkan division during 5th to 11th August, 2020.

Crop	Stage	Agromet Advisory based on weather forecast
General advice	-	<ul style="list-style-type: none"> Due to forecast for heavy rainfall, make arrangement for drain out excess water from coconut and arecanut orchard.
Kharif rice	Growth stage	<ul style="list-style-type: none"> Due to forecast of moderate rainfall, maintain optimum water level of 2.5 to 5 cm in rice field. Follow weeding in rice field after weeding apply second split dose of nitrogen @ 35 kg urea per acre to rice crop at one month after transplanting when intensity of rainfall is low. Keep bunds in rice field weed free to remove the alternate host plant of pest. Due to intermittent rainfall and cloudy weather, there is possibility of incidence of stem borer and leaf folder in transplanted rice crop, hence observe crop regularly for infestation of pest. If incidence is noticed, apply Cartap hydrochloride 4% granule @7.5 kg or Chlorantraniliprole 0.4% granule @ 4 kg or Fipronil 0.3% granule @8.3 kg per acre in moist soil. In low line field drain out water before application of granules. Also for control of stem borer, install pheromone traps @ 8 traps per acre at 20-25 meter apart in field.
Finger millet	Growth stage	<ul style="list-style-type: none"> Follow weeding in finger millet crop at two weeks after transplanting.
Mango	Vegetative	<ul style="list-style-type: none"> Apply paclobutrazol (cultar/coltar) for regular flowering to the mango trees having age of 10 years and above. Before application 1st measure east-west and north-south diameter of the tree canopy and average it. Then calculate dose @ 3 ml per meter diameter of tree canopy. Mix this quantity of paclobutrazol in 3 to 5 lits. of water. Apply this solution uniformly in 25 to 30 holes at uniform distance with 10 to 12 cm depth in circular fashion at half distance of tree cover (just inside the manuring ring) from the base of tree. For making hole crowbar can be used. Ensure the drenching of uniform quantity in each hole and closed or plug hole after application. Before application of paclobutrazol make area weed free. Perform this application when intensity of rainfall is low. Due to cloudy rainy weather, there is possibility for incidence of anthracnose disease on new flush of mango in re-established orchard those disturb due to Nisarg cyclone. If incidence is noticed, spray 0.1% Thiophanate methyl 70 %WP @ 10 gm per 10 liter of water when intensity of rainfall is low. To protect the re-established mango grafts those, disturb due to Nisarg cyclone from stem borer attack, it is advised to undertake spray with Chlorpyrifos 20%EC @ 2ml per liter of water as a preventive measure when intensity of rainfall is low.
Cashewnut	Vegetative	<ul style="list-style-type: none"> For above 4-year-old cashewnut tree apply 40 kg FYM, 2 kg urea, 1.5 kg single

		<p>super phosphate and 500 g muriate of potash per tree by digging circular ring just inside the spread of tree and fill the circular ring with soil after application of fertilizer. Apply 1/4th, 1/2 and 3/4th of abovementioned fertilizers dose per tree for 1,2 and 3-year-old cashew plantation, respectively. Note: Apply fertilizers when the intensity of rainfall is low.</p> <ul style="list-style-type: none"> • Due to cloudy rainy weather, there is possibility for incidence of anthracnose disease on new flush of cashewnut in re-established orchard those disturb due to Nisarg cyclone. If incidence is noticed, spray 1% Bordo mixture or 0.2% Mancozeb @ 20 ml per 10 liter of water on entire tree when intensity of rainfall is low.
Arecanut	Fruiting	<ul style="list-style-type: none"> • For 3-year-old arecanut palm apply 1st split dose of 10 kg F.Y.M./compost along with 12 kg green manures + 160 g urea + 500 g single super phosphate + 125 g muriate of potash per tree by digging circular ring about 1 meter from base of tree and fill the circular ring with soil after application of fertilizer. Apply 1/3rd and 2/3rd of abovementioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively. Note: Apply fertilizers when the intensity of rainfall is low.
Vegetable crops	Flowering	<ul style="list-style-type: none"> • Due to forecast for heavy rainfall, make arrangement for drain out excess water from vegetable crop field.
<p>Note : Spray insecticide or fungicide solution and apply fertilizers when intensity of rainfall is low. Mix sticker into spraying solution.</p>		
<p>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>		