



**Agromet Advisory Service Bulletin for Raigad District**  
(Issued jointly by GKMS, Dr. B.S. Konkani Krishi Vidyapeeth,  
& Regional India Meteorological Department, Mumbai)  
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Duration – 5 days

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Significant past weather for the preceding week (Period –22/07/2020 to 28/07/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 02/08/2020				
22/07	23/07	24/07	25/07	26/07	27/07	28/07		29/07	30/07	31/07	01/08	02/08
0.0	1.2	2.0	4.4	3.6	8.0	25.8	Rainfall (mm)	23	24	14	16	53
-	-	-	-	-	-	-	Maximum temperature (°C)	31	32	32	33	32
-	-	-	-	-	-	-	Minimum temperature (°C)	26	26	26	25	25
-	-	-	-	-	-	-	Cloud cover (Octa)	7	8	8	8	8
-	-	-	-	-	-	-	Relative Humidity Max. (%)	90	89	89	90	91
-	-	-	-	-	-	-	Relative Humidity Min. (%)	72	70	69	67	72
-	-	-	-	-	-	-	Wind speed (Km/hr)	4	2	3	6	6
-	-	-	-	-	-	-	Wind direction	SSW	S	S	S	S
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
45.0				1045.7				5197.2				

**Weather summary/Alert**

As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light to moderate rainfall at most places from 29<sup>th</sup> July to 2<sup>nd</sup> August, 2020 over Raigad district.

**Warning: Heavy rainfall likely to occur from 28<sup>th</sup> July to 1<sup>st</sup> August at isolated places in Raigad district.**

**As per ERFS products above normal rainfall may occur in Konkani division during 2<sup>nd</sup> to 8<sup>th</sup> August, 2020.**

Crop	Stage	Agromet Advisory based on weather forecast
<b>Kharif rice</b>	<b>Growth stage</b>	<ul style="list-style-type: none"> <li>• Due to forecast of light to moderate rainfall, maintain optimum water level of 2.5 to 5 cm in rice field.</li> <li>• 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.</li> <li>• Keep bunds in rice field weed free to remove the alternate host plant of pest.</li> <li>• There is possibility of incidence of blue beetle in low land rice, hence observe crop regularly for infestation of pest. If incidence of blue beetle is noticed on rice crop, spray Quinalphos 25% EC @ 20 ml or Triazophos 40%EC@ 12.5 ml or Lambda cyhalothrin 5%EC @ 5 ml per 10 liter of water.</li> <li>• Due to intermittent rainfall and cloudy weather, there is possibility of incidence of stem borer in transplanted rice crop, hence observe crop regularly for infestation of pest. If 1 egg masses per sq.m is observed then for control of stem borer 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. Install pheromone traps @ 8 traps per acre at 20-25 meter apart in field.</li> </ul>
<b>Finger millet</b>	<b>Growth stage</b>	<ul style="list-style-type: none"> <li>• Follow weeding in finger millet crop at two weeks after transplanting.</li> </ul>
<b>Mango</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>• Apply paclobutrazol (cultar/coltar) for regular flowering to the mango trees having age of 10 years and above. Before application 1<sup>st</sup> 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.</li> </ul>
<b>Cashewnut</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>• For above 4-year-old cashewnut tree apply 40 kg FYM, 2 kg urea, 1.5 kg single 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 1/4<sup>th</sup>, 1/2 and 3/4<sup>th</sup> of abovementioned fertilizers dose per tree for 1,2 and 3-year-old cashew plantation, respectively.</li> <li>• <b>Note:</b> Apply fertilizers when the intensity of rainfall is low.</li> </ul>
<b>Arecanut</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>• For 3-year-old arecanut palm apply 1<sup>st</sup> split dose of 10 kg F.Y.M./compost alongwith 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 1/3<sup>rd</sup> and 2/3<sup>rd</sup> of above mentioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively.</li> <li>• <b>Note:</b> Apply fertilizers when the intensity of rainfall is low.</li> </ul>

<b>Chilli</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>• There is possibility of incidence of leaf curl disease in chilli due to thrips, white flies and mites which results into curling of leaves and stunted growth of plant. If incidence is noticed on transplanted chilli, spray dimethoate 30%EC 10 ml + Sulphur 20 gms per 10 liter of water at 10-15 days interval when intensity of rainfall is low. For control of thrips spray cow urine 10% and Azadirachtin 10000 PPM @3 ml per liter of water alternatively, at 7 days interval when intensity of rainfall is low. Install blue paper sticky trap in field.</li> </ul>
<b>Cucurbitaceous crop</b>	<b>Flowering</b>	<ul style="list-style-type: none"> <li>• Install 'Rakshak' trap @ one trap per 25 gutha area in cucurbitaceous crop at the time of flowering for effective control of fruit fly.</li> <li>• Due to cloudy weather condition, there is possibility of incidence of powdery mildew disease on cucumber, snake gourd, bitter gourd, ridge gourd, bottle gourd, pumpkin cucurbitaceous vegetable crops, if incidence is noticed spray Carbendazim @ 5 gm or Zineb @ 20 gms per 10 liters of water when intensity of rainfall is low.</li> </ul>
<p>Note : Spray insecticide or fungicide solution and apply fertilizers when intensity of rainfall is low. Mix sticker into spraying solution.</p>		
<p><b>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.</b></p>		