Agromet Advisory Service Bulletin for Ratnagiri District
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Significant past weather for the preceding week (Period –03/08/2019 to 09/08/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 14/08/2019				
03/08	04/08	05/08	06/08	07/08	08/08	09/08		10/08	11/08	12/08	13/08	14/08
160.0	237.2	101.8	126.4	98.6	28.4	36.6	Rainfall (mm)	45	33	25	21	30
27.5	26.5	26.5	26.7	26.6	26.7	27.0	Maximum temperature (^{o}C)	29	29	29	29	29
23.5	23.5	23.5	23.8	24.6	24.5	24.5	Minimum temperature (^{o}C)	26	25	25	25	25
6	8	8	8	6	6	6	Cloud cover (Octa)	8	4	5	5	8
100	100	95	100	98	92	98	Relative Humidity Max. (%)	92	93	94	94	94
100	98	95	95	96	95	-	Relative Humidity Min. (%)	87	84	84	83	83
13.3	14.8	12.2	10.5	11.2	10.0	9.5	Wind speed (Km/hr)	22	16	10	10	10
W	W	E	E	E	W	W	Wind direction	246	246	244	243	257

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year
763.0	3155.5	3071.8

Agro-met Advisory

There is possibility of moderate rainfall from 10th to 14th August, 2019 and wind velocity range on 10 to 22 km/h from 10th to 14th August, 2019.

Extended range rainfall forecast for Konkan division for the period of 9th to 15th August, 2019 is above normal.

Crop	Stage	Agro Advise
Kharif rice	**Tillering**	• Due to intermittent rainfall and cloudy weather condition, there is possibility of incidence of blue beetle and caseworm on low land rice, hence observe crop regularly for infestation of pest. Alter the stagnated water with fresh water after every 2-3 days. Maintain water level of 5 cm in the field. If incidence of blue beetle is noticed on rice crop, spray Quinalphos 25% EC @ 40 ml or Triazophos 40%EC@ 12.5 ml or Lambda cyhalothrin 5%EC @ 5 ml per 10 liter of water. If incidence of rice case worm is noticed on rice crop, then flood the field with water followed by dragging the rope to dislodge the cases and drain out water from field after 1-2 hrs. Collect the cases and destroy then maintain the water level of 5 cm in the field with fresh water. **Note:** mix stickers in insecticidal solution at the time of spraying. • Apply second split dose of nitrogeneous fertilizers urea @ 87 kg/ha to rice crop at tillering stage after weeding when intensity of rainfall is low.
Finger millet	**Tillering**	• Apply second split dose of nitrogeneous fertilizers urea @ 87 kg/ha to finger millet at tillering stage after weeding, when intensity of rainfall is low.
Mango	**Vegetative**	• Apply paclobutrazol (cultar) for regular flowering in mango trees of 10 years old and above. Measure average diameter of canopy of the tree and apply cultar @ 3 ml per meter diameter (e.g. If east-west diameter of the plant is 5 m and North – South diameter is 7 m then average will be 6 m. So far 6 x 3 = 18 ml. will be the quantity of cultar. This quantity of paclobutrozol be mixed in 3 to 5 litre of water per tree and applied in 25 to 30 holes, 10 to 12 cm deep around the tree basin with help of kudali or crowbar just inside the manuring ring at uniform distance. Then uniform quantity of solution be drenched into holes, followed by closing or plugging of holes with soil. Before application weeds be removed. **Note:** Apply Paclobutrazol when intensity of rainfall is low.
Cashewnut	**Vegetative**	• 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 1/4th, 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.
Arecanut	**Vegetative**	• For 3-year-old arecanut palm apply 1st 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 1/3rd and 2/3rd of abovementioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively. • For minimizing fruit cracking in arecanut, apply 600g micro nutrients (60 g Boron, 300 g Zinc, 60g Manganese, 120 g Iron and 30g Copper) **Note:** Apply fertilizers when the intensity of rainfall is low. • Give third dose of 0.3 % solution of Fosetyl – Al fungicide for control of '*koleroga*' disease in arecanut by root feeding. select feeding root of arecanut plant then take slant cut to the tip of the

		root. Prepare 0.3 % solution of Fosetyl – Al by mixing 3 gm. per liter. Fill the two plastics bags with 100 ml. above prepare solution and dip the above selected roots in to the plastics bag ensuring the cut portion will always remain in the solution. Tie the bag to the roots. Or spray 1% bordomixture or 0.375 % copper oxychloride (37.5 gm in 10 liter of water) for control of incidence of '*koleroga*'disease in arecanut orchard. **Note:** Spray when the intensity of rainfall is low also mix stickers in fungicide solution at the time of spraying.
New plantation	**Vegetative**	• During next two days there is forecast for high wind speed, provide support to newly planted fruit crop.
Sapota	**Fruiting**	• Give 3rd spray of 1% bordomixture for control of fruit drop due to fungal disease in sapota orchard **Note:** spray when the intensity of rainfall is low also mix stickers in bordomixture solution at the time of spraying
Vegetable crops	**Vegetative**	• Follow earthing up operation in Okra, Brinjal, Tomato, Chilli etc. vegetable crops. Also provide support to crop as there is forecast of high wind speed. • Install 'Rakshak' trap @ 4 nos. per ha in cucurbitaceous crop when it is in flowering for effective control of fruit fly. • There is possibility of incidence of red pumpkin beetle on cucumber, bitter gourd, snake gourd, bottle gourd, red pumpkin and ridge gourd etc. cucurbitaceous crops. If incidence is noticed, spray Dimethoate 30%EC @ 15 ml or malathion 50%EC @20 ml per 10 liters of water. • **Note:** Spray when the intensity of rainfall is low also mix stickers in insecticide solution at the time of spraying.
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.		