



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by GKMS, Dr. B.S. Konkan 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 –19/09/2020 to 25/09/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 30/09/2020				
19/09	20/09	21/09	22/09	23/09	24/09	25/09		26/09	27/09	28/09	29/09	30/09
7.6	9.0	6.4	50.4	22.0	33.2	5.0	Rainfall (mm)	21	13	4	6	3
28.0	28.3	29.8	30.5	27.0	29.2	30.2	Maximum temperature (°C)	31	32	32	32	32
22.1	23.4	23.5	24.0	23.0	23.5	24.1	Minimum temperature (°C)	25	24	24	24	24
6	8	4	6	6	8	6	Cloud cover (Octa)	8	8	8	8	8
96	98	96	100	95	98	97	Relative Humidity Max. (%)	95	95	93	94	95
86	64	83	97	89	78	-	Relative Humidity Min. (%)	82	81	74	68	69
1.7	3.3	2.2	2.8	5.0	4.1	2.7	Wind speed (Km/hr)	3	6	5	3	4
Calm	Calm	Calm	W	Calm	Calm	Calm	Wind direction	S	SSE	ESE	SSE	ESE
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
133.6				3908.7				5130.9				

Weather summary

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of moderate rainfall from 26 th to 27 th September, 2020 and light rainfall from 28 th to 30 th September, 2020 at few places over Ratnagiri district.
Warning	No warning for heavy rainfall in Ratnagiri district.
ERFS	As per ERFS products below normal rainfall may occur in Konkan division during 2 nd to 8 th October, 2020.

Crop	Stage	Agromet Advisory based on weather forecast
Kharif rice	Panicle initiation to flowering (late varieties), flowering to grain filling (midlate varieties) and grain filling to maturity (early varieties)	<ul style="list-style-type: none"> Due to forecast of moderate rainfall on 26th and 27th September, 2020, if possible, postponed the harvesting of matured early rice varieties for two days, otherwise harvest the matured early rice varieties and stored threshed grains in protective shed after immediate threshing. Dry threshed grains in protective shed. Maintain the optimum water level of 5-10 cm in late and midlate rice varieties field. Early rice varieties are in maturity stage, make arrangement to drain out water from field 8 -10 days before harvesting. Apply 3rd split dose of nitrogen @ 28 kg urea per acre to the late varieties of rice which is in flowering during clear weather (no rainfall). Due to forecast of humid weather condition, there is possibility of incidence of rice earhead bug where midlate rice varieties are in milking stage. If incidence of rice earhead bug is observed above threshold level (1 adult /hill), spray Lambda cyhalothrin 5%EC @ 5 ml or Deltamethrin 2.8%EC @ 9 ml per 10 liter of water during clear weather (no rainfall) or dust Chlorpyrifos 1.5% DP powder @ 8 kg per acre during evening hours or in early morning when wind blows calm. (Note: insecticide is not under label claim).
Cashewnut	Vegetative	<ul style="list-style-type: none"> Due to cloudy and humid weather condition, there is possibility of incidence of tea mosquito bug on new flush of cashewnut. If incidence is noticed spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5%EC @ 6 ml per 10 liter during clear weather (no rainfall). (The insecticide are not under label claim). Due to prevailing cloudy, humid weather condition and low sunshine hours favors development of fungal disease-causing leaf drop and dieback of branches in cashewnut, for control spray 0.2% Mancozeb @ 20 ml per 10 liter of water on entire tree during clear weather (no rainfall). Repeat spray after 15 days.
Arecanut	Fruiting	<ul style="list-style-type: none"> Due to cloudy and humid weather condition, there is possibility for incidence of koleroga disease in arecanut orchard. To protect palm from fungal disease, spray of 1% bordomixture or 0.375% Copper oxychloride @ 37 per 10 liter of water on to crown region.
Vegetable crops	Sowing	<ul style="list-style-type: none"> For raising brinjal, chilli, tomato and other vegetable crop nursery for rabi season, cultivate the land at field capacity condition and mix well decomposed FYM @500 gms per guntha in to soil at the time of bed preparation. Prepare raised bed of 3 m length x 1 m breadth x 15 cm height. At the time of sowing apply 35 gm urea, 100 gm single super phosphate and 25 gm muriate of potash per sq. m. Before sowing, treat the seed with thiram fungicide @ 3 gm/kg of seed or Trichoderma @ 5 gm/kg for protection from seed borne diseases. for seed treatment of Trichoderma use water to prepare paste to adhere

		like seed coat.
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Note : Spray insecticide or fungicide solution and apply fertilizers when intensity of rainfall is low. Mix sticker into spraying solution.

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.