



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 –23/09/2020 to 29/09/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 04/10/2020				
23/09	24/09	25/09	26/09	27/09	28/09	29/09		30/09	01/10	02/10	03/10	04/10
22.0	33.2	5.0	10.6	49.2	0.0	0.0	Rainfall (mm)	5	0	0	0	7
27.0	29.2	30.2	29.3	28.3	30.0	30.5	Maximum temperature (°C)	31	32	32	30	30
23.0	23.5	24.1	23.4	22.5	22.4	21.6	Minimum temperature (°C)	23	24	23	23	22
6	8	6	6	6	4	2	Cloud cover (Octa)	4	5	7	2	3
95	98	97	96	98	88	85	Relative Humidity Max. (%)	96	95	93	93	94
89	78	81	86	80	77	-	Relative Humidity Min. (%)	69	67	68	63	63
5.0	4.1	2.7	2.9	2.5	2.0	2.5	Wind speed (Km/hr)	4	4	4	5	4
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	E	ESE	E	E	SE
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
120.0				3968.5				5130.9				

Weather summary

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light rainfall on 30 th September and 4 th October, 2020 at isolated 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	Flowering (late varieties), grain filling (midlate varieties) and maturity (early varieties)	<ul style="list-style-type: none"> • During next five days there is forecast for very light rainfall, maintain the optimum water level of 5-10 cm in late and water of 5 cm in midlate rice varieties field. Early rice varieties are in maturity stage, make arrangement to drain out water from early rice field 8 -10 days before harvesting. • Harvest the matured early rice varieties during morning hours, stored threshed grains in protective shed after immediate threshing. Dry threshed grains in protective shed. Delayed harvesting may cause shedding of grains and also increased percentage of broken rice during hulling. • Apply 3rd split dose of nitrogen @ 28 kg urea per acre to the late varieties of rice which is in flowering. • Due to forecast of very light rainfall and increase in temperature, there is possibility of incidence of army worm in early rice varieties, hence immediate harvest the matured early rice varieties. • Due to forecast of humid weather condition during morning hours, there is possibility of incidence of rice earhead bug where late and 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) 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).
Mango	Vegetative	<ul style="list-style-type: none"> • Due to forecast of very light rainfall and increase in temperature which favours congenial condition for vegetative flush in mango, for protection of vegetative flush of mango from hoppers and midge fly incidence, spray Deltamethrin 2.8%EC @ 9 ml per 10 liter of water. • Before insecticide application, clean orchard by removing weeds, diseased infected branches.
Cashewnut	Vegetative	<ul style="list-style-type: none"> • Due to forecast of very light rainfall and increase in temperature, 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.(The insecticide are not under label claim). • Before insecticide application, clean orchard by removing weeds, diseased infected branches.
Coconut	Fruiting	<ul style="list-style-type: none"> • Due to forecast of very light rainfall and increase in temperature, provide irrigation to newly planted and old established coconut orchard. Also apply coconut husk as mulch at the base of palm. • Provide shed to newly planted coconut orchard (upto 2 years old) as to protect leaf from sunburn.

Arecanut	Fruiting	<ul style="list-style-type: none"> • Due to forecast of very light rainfall and increase in temperature, provide irrigation to newly planted and old established arecanut orchard. • Provide shed to newly planted arecanut orchard (upto 2 years old) as to protect leaf from sunburn.
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.
Milch animals	-	<ul style="list-style-type: none"> • 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.
<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>		