



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 –25/09/2020 to 01/10/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 06/10/2020				
25/09	26/09	27/09	28/09	29/09	30/09	01/10		02/10	03/10	04/10	05/10	06/10
5.0	10.6	49.2	0.0	0.0	0.0	0.0	Rainfall (mm)	2	16	25	13	10
30.2	29.3	28.3	30.0	30.5	30.5	31.3	Maximum temperature (°C)	33	33	33	33	34
24.1	23.4	22.5	22.4	21.6	21.0	21.7	Minimum temperature (°C)	24	24	24	24	25
6	6	6	4	2	0	4	Cloud cover (Octa)	6	7	6	7	6
97	96	98	88	85	85	95	Relative Humidity Max. (%)	95	95	95	93	95
81	86	80	77	78	71	-	Relative Humidity Min. (%)	67	76	77	81	75
2.7	2.9	2.5	2.0	2.5	2.8	3.3	Wind speed (Km/hr)	4	3	3	3	3
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ESE	S	S	SSE	SE
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
64.8				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 2 nd and 6 th October, 2020 and moderate rainfall from 3 rd to 5 th October, 2020 at a few places over Ratnagiri district. Also, sky will remain cloudy.
Warning	Thunderstorm accompanied with lighting likely to occur on 3 rd to 4 th October, 2020 at isolated places in Ratnagiri district.
ERFS	As per ERFS products normal rainfall may occur in Konkan division during 9 th to 15 th October, 2020.

Crop	Stage	Agromet Advisory based on weather forecast
Kharif rice	Flowering to grain filling (late varieties), grain filling (midlate varieties) and maturity (early varieties)	<ul style="list-style-type: none"> Due to forecast of light to moderate rainfall from 3rd to 6th October, 2020, harvest the matured early rice varieties during morning hours, 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 water of 5 cm in midlate rice varieties field. 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 intermittent 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. There is possibility of incidence of army worm in midlate and late rice varieties, hence observe crop regularly for infestation of pest. If incidence is noticed, spray Lambda cyhalothrin 5%EC @ 6 ml or Cypermethrin 25%EC @ 3 ml per 10 liter of water. 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). (Note: insecticide is not under label claim). Due to forecast of intermittent rainfall and cloudy weather and humid condition during next five days will cause for incidence of brown plant hopper in lowline late rice field where stagnation of water is observed also dense planting and field of heavy dose of nitrogen fertilizers application, hence observe crop regularly for infestation of pest. If incidence of brown plant hopper is observed above threshold level (5-10 hopper/hill), spray Thiomethoxam 25%WG @ 2 gms or Acephate 75%WP @ 22.5 g per 10 liter of water during clear weather (no rainfall). Make provision for replacing stagnated water with fresh water for every 2-3 days. Precaution should be taken to spray the insecticide on stem of rice plant.
Finger millet	Grain filling to Maturity	<ul style="list-style-type: none"> Due to forecast of light to moderate rainfall from 3rd to 6th October, 2020, harvest the matured early varieties of finger millet crop in morning by cutting of ear head with sickle and dry in the safe and protective shed. Follow threshing after drying.
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.

		<ul style="list-style-type: none"> • 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 for increase in temperature, 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 for increase in temperature, 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.
<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>		