



AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

(Issued jointly by GKMS, Dr. B.S. Konkani Krishi Vidyapeeth,
& India Meteorological Department)



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Significant past weather for the preceding week (Period –01/05/2021 to 07/05/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 12/05/2021				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
01/05	02/05	03/05	04/05	05/05	06/05	07/05		08/05	09/05	10/05	11/05	12/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	15	10	7	0	0
34.0	36.4	33.8	36.0	34.5	33.9	33.5	Max.Temp. (°C)	35	35	34	34	34
22.0	24.1	20.2	22.4	23.1	23.2	21.9	Min.Temp. (°C)	25	24	24	24	24
4	4	0	0	0	0	0	Cloud cover (Octa)	4	2	5	2	3
80	82	73	82	79	86	80	Max. RH (%)	70	75	81	86	86
41	67	52	50	66	68	56	Min. RH (%)	65	65	64	60	60
4.7	5.0	4.4	4.5	5.1	5.1	4.4	Wind speed(Km/hr)	5	5	5	5	6
SW	SW	WNW	Calm	WNW	W	W	Wind direction	E	S	NW	WSW	WSW
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2021 to till dated				Total Rainfall (mm) in last year				
0.0				16.8				4145.4				

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light rainfall from 8 th to 10 th May, 2021 with no large change in maximum and minimum temperature and sky remains partly cloudy over Ratnagiri district.
Warning	Thunderstorm along with lightning and rainfall and gusty winds reaching 30-40 kmph likely to occur from 7 th to 8 th May, 2021 at isolated places over Ratnagiri district.
ERFS	As per ERFS products, rainfall, maximum and minimum temperature remains normal in Konkani division during 12 th to 18 th May, 2021.

Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
General advisory	-	<ul style="list-style-type: none"> There is possibility of wild fire due to increase in heat during summer months, it is advise to provide irrigation immediately to mango and cashewnut orchards affected by wild fire till initiation of new vegetative flush. Detop tall trees (25 to 30ft) upto half the height, otherwise detop upto 8 feet to reduce the load of branches. apply bavistin 5 gm by mixing with 1 liter of coal tar to the cut portion of branches. Spray all affected mango and cashewnut tree with Chlorpyrifos 20%EC @ 20ml per 10 liter of water to protect from stem borer. Apply white wash by preparing solution of 1 kg lime + 150 gms copper sulphate to protect tree from sunrays,
SMS	-	<ul style="list-style-type: none"> Due to forecast of thunderstorm along with lighting and rain and gusty winds at isolated places over district from 7th to 8th May, 2021, keep farm animals at safe place and away from open water, pond or river. Also harvest and stored the matured pulse crop at protective and safe place. Provide staking to newly planted fruit crops orchard.
Mango	Fruiting	<ul style="list-style-type: none"> There is forecast for light rainfall from 8th to 10th May 2021, harvest the matured mango fruits at 80 to 85% maturity in the morning or evening hours during clear weather (no rainfall) and keep the harvested fruits in shade to prevent spongy tissue disease and from heat. To prevent incidence of post-harvest diseases fruit rot on fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Use C.F.B. (corrugated fiber box) for packing. Transport of harvested fruits

		<p>should be done preferably during night hours.</p> <ul style="list-style-type: none"> • There is possibility for incidence of fruit fly on mango fruits. Collect and destroy all fallen fruits and install “Rakshak fruit fly trap” developed by University @ 2 traps per acre. • Clean mango tree by removing loranthus and all dried diseased infected branches and apply bordopaste on cut portion of tree. Maintain good sanitation in orchard. Collect and destroy all fruit fly and fruit borer infected fallen fruits regularly and keep mango orchard clean. • There is forecast for light rainfall from 8th to 10th May 2021, provide irrigation to newly planted mango orchard as per requirement.
Cashewnut	Vegetative	<ul style="list-style-type: none"> • Clean cashewnut orchard by removing all diseased and dried branches to maintain good sanitation in orchard. Apply bordopaste on cut portion of tree. • There is forecast for light rainfall from 8th to 10th May 2021, provide irrigation to newly planted cashewnut orchard as per requirement.
Sapota	Flowering	<ul style="list-style-type: none"> • There is possibility for incidence of budworm on sapota, install blue light trap in orchard for monitoring insect. If incidence is noticed spray any one of the insecticides viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamethrin 2.8% EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40% EC @ 10 ml per 10 liter of water at an interval of 1 month. Install blue light trap in orchard for monitoring insect.
Coconut	Fruiting	<ul style="list-style-type: none"> • There is forecast for light rainfall from 8th to 10th May 2021, provide irrigation to coconut orchard as per requirement.
Arecanut	Fruiting	<ul style="list-style-type: none"> • There is forecast for light rainfall from 8th to 10th May 2021, provide irrigation to arecanut orchard as per requirement. • Clean the arecanut orchard by removing dry leaves and diseased, infected inflorescence and spray 1% bordomixture to control ‘Koleroga’ disease. Repeat the spray 3-4 times at one-month interval.
Kharif rice	Land preparation	<ul style="list-style-type: none"> • Procure the rice seed as per requirement for kharif season. • Early rice varieties Ratnagiri-1, Karjat-3 for bold seeded, Ratnagiri-5, Ratnagiri-24, Phondaghat-1, Karjat-7, hybrid Sahyadri-2 and Sahyadri-4 for fine seeded and Karjat-4 is for very fine seeded, mid-late rice varieties Ratnagiri-7, Karjat -5 for bold seeded, Ratnagiri-4, Ratnagiri-6, Palghar-1, Palghar-2, Karjat-6, Karjat-9, hybrid Sahyadri, Sahyadri-3 for fine seeded and late rice varieties Ratnagiri-2, Ratnagiri-3 for bold seeded, Karijat-2, Karjat-8, Karjat-10, hybrid Sahyadri-5 for fine seeded, and Panvel-1, Panvel-2 and Panvel-3 for Kharlands categories are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region during Kharif.
Turmeric	Land preparation	<ul style="list-style-type: none"> • For cultivation of turmeric, carryout ploughing operation and incorporate 250-400 kg/guntha FYM or compost at the time of ploughing. For planting either use ridge and furrow of 75 cm or broadbed furrow of size 90 cm to 1 meter by maintaining 30 cm distance between two plants. Apply 3.75 kg SSP and 1 kg MOP per guntha at the time of planting and 2.5 kg urea in three equal splits at one, three and four months after planting. Use healthy, sprouted, rootless rhizomes for planting. Before planting, treat the rhizomes by dipping 15-20 minutes in solution of quinalphos 25%EC @ 20 ml + Bavistin @ 20 gms in 10 liters of water and dry in shed. Seed rate require is 25 kg per guntha. Plant rhizomes either at field capacity or in impound water.
Vegetable crops	Nursery	<ul style="list-style-type: none"> • If irrigation facility is available then go for sowing nursery of brinjal, chilli and tomato vegetables crops for kharif season. Prepare raised bed of 3 m length x 1 m breadth x 15 cm height. • Use wilt resistance varieties and follow crop rotation with other than solanaceous crop for management of wilt disease.
<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>		

