



AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

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



Ph.No. : (02358) 282387

Email : dpl.amfu@gmail.com

No. 36/2021

Date: 04/05/2021

Duration – 5 days

Dr. Prashant Bodake,
Head,
Department of Agronomy
9420413255

Dr. Vijay More,
Nodal Officer,
Department of Agronomy
9422374001

Dr. Shital Yadav,
Technical Officer,
Department of Agronomy
8379901160

Significant past weather for the preceding week (Period –28/04/2021 to 04/05/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 09/05/2021				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
28/04	29/04	30/04	01/05	02/05	03/05	04/05		05/05	06/05	07/05	08/05	09/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	5	1	3	1	3
33.0	35.2	34.0	34.0	36.4	33.8	36.0	Max.Temp. (°C)	34	34	34	34	34
22.1	21.6	20.9	22.0	24.1	20.2	22.4	Min.Temp. (°C)	25	26	27	27	27
0	2	0	4	4	0	0	Cloud cover (Octa)	2	2	3	2	4
75	92	81	80	82	73	82	Max. RH (%)	74	78	85	78	80
55	60	66	41	67	52	-	Min. RH (%)	65	64	66	67	66
4.2	4.6	4.9	4.7	5.0	4.4	4.5	Wind speed(Km/hr)	4	4	4	6	5
SW	WNW	W	SW	SW	WNW	Calm	Wind direction	W	SSW	SW	W	NW
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 very light rainfall from 5 th to 9 th May, 2021 with gradual rise in minimum temperature over Ratnagiri district.
Warning	Thunderstorm along with lightening and rainfall likely to occur from 7 th to 8 th May, 2021 at isolated places over Ratnagiri district.
ERFS	As per ERFS products, above normal rainfall and normal maximum and minimum temperature may occur in Konkani division during 9 th to 15 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 to30ft) 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 coltar 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 at isolated places over district from 7th to 9th 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.
Mango	Fruiting	<ul style="list-style-type: none"> There is forecast for very light rainfall from 5th to 9th 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. • To protect the Mango tree from increasing temperature, apply bordopaste to the base of stem.
Kharif rice	Land preparation	<ul style="list-style-type: none"> • Start the land preparation operation for kharif season and expose soil to sun which will help in controlling weeds effectively. • 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.
Groundnut	Pod development to maturity	<ul style="list-style-type: none"> • Groundnut crop shows maturity sign like 70-80% of the pods develop blackish streak inside the shell and the kernels are plump with original seed colour develop on the kernel, Uproot the plant when there is enough moisture in the soil during morning hours. As there is forecast for very light rain, strip off the pods from the plant and keep for drying in protective place.
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 management of Rhizome fly, place small earthen pot or plastic bottle with moist spoiled dry fish at 4 to 5 places in the field 10 to 15 days before sowing, the female of the rhizome fly is attracted to this bait and lays eggs there. Destroy this dry fish bait after 4 to 5 days by burning.
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>		