



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 –23/12/2020 to 29/12/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 03/01/2021				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
23/12	24/12	25/12	26/12	27/12	28/12	29/12		30/12	31/12	01/01	02/01	03/01
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.0	31.9	32.9	33.5	33.5	32.5	31.7	Max.Temp. (°C)	33	35	34	34	33
9.4	11.4	13.5	14.2	14.4	13.8	12.3	Min.Temp. (°C)	19	21	21	20	20
0	0	0	0	0	0	0	Cloud cover (Octa)	1	2	1	2	6
88	95	94	96	96	94	95	Max. RH (%)	69	58	65	63	59
85	87	79	67	66	77	-	Min. RH (%)	35	29	36	34	29
2.1	2.2	2.1	1.7	1.8	2.0	2.3	Wind speed(Km/hr)	6	8	8	7	7
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	E	E	E	E
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
0.0				4145.4				5130.9				

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of gradual rise in minimum temperature from 31 st December, 2020 to 3 rd January, 2021 and sky remain clear over Ratnagiri district.
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Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
Groundnut	Vegetative	<ul style="list-style-type: none"> There is possibility for incidence of leaf miner on groundnut. If incidence is noticed, spray quinalphos 25%EC @20 ml or Lambda cyhalothrin 5%EC@ 6 ml per 10 liter of water.
Mango	Vegetative flush to flowering	<ul style="list-style-type: none"> There is possibility incidence of hoppers and powdery mildew disease on flower bud stage in mango. To protect the flower bud from pest and powdery mildew diseases, spray Lambda cyhalothrin 5%EC @ 6 ml + hexaconazole @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water. There is possibility incidence of hoppers, midge fly and powdery mildew disease on mango inflorescence. For management of pest and disease, spray of Imidacloprid 17.8% SL @ 6 ml per 10 liter of water before the flower opening to avoid the adverse effect on pollinators. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease. Avoid spraying if already taken. The recommended dose of insecticides is applicable for manually operating sprayer. Situation of clear sky and increase in evaporation rate, provide irrigation to newly planted mango orchard @ 30 liters of water at 7 days interval (1 years old), 15 days interval (2 years old) and one-month interval to 3 years old tree. New growth below graft union should be removed regularly.
Cashewnut	Flowering to fruiting	<ul style="list-style-type: none"> There is possibility of incidence of tea mosquito bugs and thrips on the inflorescence of cashewnut, to protect the cashew inflorescence, spray Profenophos 50% EC @10 ml per 10 liter of water. There is possibility of incidence of tea mosquito bugs and thrips on the

		<p>fruits of cashewnut, to protect the cashew during fruit bearing stage, spray Lambda cyhalothrin 5% EC @6 ml or Acetamiprid 20%SP @ 5 gms per 10 liter of water. (insecticide is not under label claim).</p> <ul style="list-style-type: none"> • For increasing yield and size of cashewnut, spray entire tree with 25% cow urine @ 5 lit per tree and drench the solution of 25% cow urine @ 10 liter per tree. • Situation of clear sky and increase evaporation rate, provide irrigation to newly planted cashewnut orchard @ 15 liters of water at 15 days intervals. New growth below graft union should be removed regularly.
Coconut	Fruiting	<ul style="list-style-type: none"> • Provide irrigation to first four years old coconut orchard at 6 to 7 days interval and for above four years old orchard provide irrigation at 5 to 10 days interval. • Due to increase in temperature, there is possibility of incidence of rugose spiraling white fly on coconut, Nymphs and adults suck the sap from lower surface of leaves and produce honey dew sugary substance which develop growth of sooty mould fungus. If incidence is noticed spray 50 ml Neem seed kernel extract 0.5% @30 ml per 10 liters of water. For the control of black fungus on leaves, spray 1% starch solution (10 gms in 10 liter of water).
Arecanut	Fruiting	<ul style="list-style-type: none"> • Harvest the fully ripe nut when nuts get orange colour and sundry for 40 to 45 days. nuts are turned over at regular interval to ensure uniform drying. • For 3-year-old arecanut palm apply 2nd split dose 160 g urea and 125 g muriate of potash per tree. by digging circular ring about 1 meter from base of tree and fill the circular ring with soil after application of fertilizer. Apply 1/3rd and 2/3rd of abovementioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively. • Provide irrigation to arecanut orchard at 6-8 days interval.
Chilli	Flowering	<ul style="list-style-type: none"> • There is possibility of incidence of leaf curl disease in chilli due to thrips, white flies and mites which results into curling of leaves and stunted growth of plant. If incidence is noticed on transplanted chilli, spray dimethoate 30%EC 10 ml + Sulphur 20 gms per 10 liter of water at 10-15 days interval when intensity of rainfall is low. For control of thrips spray cow urine 10% and Azadirachtin 10000 PPM @3 ml per liter of water alternatively, seven days after transplanting at 10-15 days interval. • Apply 2nd split dose of nitrogen fertilizer @ 3 g urea per plant at the time of flowering. • Provide irrigation to chilli crop at 4-5 days interval regularly.
Turmeric	Rhizome	<ul style="list-style-type: none"> • Withhold irrigation in turmeric crop 15 days to 1 month prior to harvesting of rhizome.
Cabbage	Vegetative	<ul style="list-style-type: none"> • Follow weeding in cabbage at 20 to 25 days after transplanting and apply second spit dose of nitrogen @ 35 kg urea per acre. Follow earthing up at the time of fertilizer application • Provide irrigation to cabbage crop as per requirement.
Water melon	Vegetative	<ul style="list-style-type: none"> • Provide irrigation to water melon crop at 4-5 days interval regularly.
<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>		