



AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

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



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Duration – 5 days

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Significant past weather for the preceding week (Period –31/03/2021 to 06/04/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 11/04/2021				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
31/03	01/04	02/04	03/04	04/04	05/04	06/04		07/04	08/04	09/04	10/04	11/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.0	34.7	32.4	32.0	31.4	31.5	32.3	Max.Temp. (°C)	33	31	31	32	33
14.0	17.5	18.1	17.4	17.5	19.3	17.7	Min.Temp. (°C)	24	24	23	23	23
0	8	0	4	0	0	0	Cloud cover (Octa)	3	2	4	4	4
81	91	91	82	89	90	91	Max. RH (%)	79	76	78	74	74
40	67	66	46	67	72	-	Min. RH (%)	54	51	50	44	47
3.8	5.8	4.5	4.2	4.3	4.6	4.8	Wind speed(Km/hr)	7	5	4	6	3
NW	Calm	SW	W	SW	SW	NE	Wind direction	ESE	W	E	SE	ESE
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 dry weather with no large change in maximum and minimum temperature and sky remains partly cloudy from 7 th to 11 th April, 2021 over Ratnagiri district.
ERFS	As per ERFS products above normal maximum temperature may occur in Konkani division during subsequent one-week 9 th to 15 th April, 2021.

Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
General advisory	-	<ul style="list-style-type: none"> For cultivation of crops during kharif season, perform the deep ploughing operation to exposed the hibernate pupae or egg stages of insect and disease spores.
SMS	-	<ul style="list-style-type: none"> For control the incidence of fruit fly on mango fruits, install “Rakshak fruit fly trap” developed by University @ 2 traps per acre.
Mango	Fruiting	<ul style="list-style-type: none"> Harvest the matured mango fruits in the morning or in the evening with the help on mango harvester at 80 to 85% maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. withhold irrigation one month before fruit are ready for harvesting. Do not spray any insecticides/fungicides 8 days before harvesting of mango fruits. 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 should be done preferably during night hours. To minimize the pre-mature fruit drop of mango, as per availability of water, apply 100 liter /tree at weekly or 150 to 200 liter/ tree at 15 days interval from pea to arecanut fruit size also use straw mulch. withhold irrigation one months prior to fruits ready for harvesting Due to forecast for partly cloudy weather during next five days, 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.
Cashewnut	Fruiting	<ul style="list-style-type: none"> There is possibility of incidence of Cashew Stem and Root Borer (CSRB)

		in Cashewnut crop. If the incidence is noticed, remove the grubs from the holes with the help of 15 mm chisel and apply Chloropyriphos 20 EC @ 50 ml per 10 liter of water on the stem (swabbing).
Coconut	Fruiting	<ul style="list-style-type: none"> To control the attack of red palm weevil on coconut, collect and destroy the grubs from whole appear on infected trunk. Apply bordopaste to infected portion. Install pheromone trap @ 1 trap per acre in coconut orchard.
New fruit crop plantation	-	<ul style="list-style-type: none"> For new plantation of fruit crop orchard, keep the planting area clean.
Sapota	Fruiting	<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.
Summer rice	Flowering	<ul style="list-style-type: none"> Maintain optimum water level of 5-10 cm in rice field where crop is in flowering stage. Apply 3rd split dose of nitrogen @ 425 gms urea per gutha to the summer rice which is in flowering stage
Lablab bean/Cowpea	Maturity	<ul style="list-style-type: none"> Harvest mature lablab bean pod and dry it for 4 to 5 days in sunlight and then follow threshing or harvest the pods along with plant and dry for 3 to 4 days in sunlight. After drying follow threshing of pods. Stored dried grain at dry and safe place.
Groundnut	Pod development	<ul style="list-style-type: none"> Provide irrigation to groundnut crop at 10 to 12 days interval where crop is in pod development stage. 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.
Turmeric	Land preparation	<ul style="list-style-type: none"> For cultivation of turmeric during kharif season, perform the deep ploughing operation to exposed the hibernate pupae or egg stages of insect and disease spores.
Milch animal	-	<ul style="list-style-type: none"> Vaccination against foot and mouth disease in farm animals under supervision of veterinary officers is advocated.
Poultry	-	<ul style="list-style-type: none"> Vaccination against Ranikhet disease in poultry birds under supervision of veterinary officers is advocated.
<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>		