AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

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

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Significant past weather for the preceding week (Period –17/02/2021 to 23/02/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 28/02/2021				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
17/02	**18/02**	**19/02**	**20/02**	**21/02**	**22/02**	**23/02**		**24/02**	**25/02**	**26/02**	**27/02**	**28/02**
0.0	0.0	0.2	0.2	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
29.0	28.3	30.1	31.7	32.8	34.2	35.0	Max.Temp. (°C)	35	36	35	35	35
14.6	17.0	15.0	12.4	15.0	16.0	16.0	Min.Temp. (°C)	22	23	21	21	21
0	0	0	0	0	0	0	Cloud cover (Octa)	2	3	2	1	0
92	96	86	89	88	86	88	Max. RH (%)	64	54	61	65	67
64	70	42	41	46	60	-	Min. RH (%)	36	28	26	26	27
4.9	4.2	4.0	3.5	3.7	3.5	3.3	Wind speed(Km/hr)	4	4	7	7	6
W	W	NE	W	W	W	Calm	Wind direction	ENE	ESE	ESE	ESE	ENE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2021 to till dated	Total Rainfall (mm) in last year
0.4	**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 gradually fall in maximum and minimum temperature by 1 – 2 °C from 26th to 28th February, 2021 and sky remains clear over Ratnagiri district.**

Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
Mango	Fruiting	• Due to prevailing rainfall and cloudy weather condition favors development of anthracnose disease on mango, for protection of mango against anthracnose disease, spray carbendazim 12% + mancozeb 63% combination fungicide @ 10 gms or Thiophanate methyl @10 gms per 10 liter in water. • The pre-harvest bagging with newspaper bag of size 25 X 20 cm at marble to egg stage as per recommendation of D.B.S.K.K.V. helps to reduce the fruit drop, increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango. • Due to prevailing rainfall and cloudy weather condition, 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. • There is forecast for decrease in humidity during next five days, hence to minimize the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting at 15 days interval for 3 to 4 times. • For increasing the production and quality improvement of mango fruits, spray 1 % Potassium nitrate at pea, marble and arecanut size of mango fruits. • Spraying of 55% cow urine at pea size fruits of mango 3 to 6 sprays at weekly interval as per availability is suggested for increasing yield of mango. • As per blossom protection schedule, take a 5th spray (15 days after 4th spray) of Dimethoate 30%EC@ 10 ml or Lambda cyhalothrin 5%EC @ 6 ml per 10 liter of water. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur

		80% @ 20 gm per 10 liter in water for control of powdery mildew. • for control premature fruit drop add 2% urea @20 gms per liter of water in to the insecticide solution from 3rd to 6th spray schedule. • The recommended dose of insecticides is applicable for manually operating sprayer.
Cashewnut	Fruiting	• Due to prevailing rainfall and cloudy weather condition favors development of anthracnose disease on cashewnut, for protection spray 1% bordomixture or Carbendazim 12% + Mancozeb 63% combination fungicide @ 10 gms per 10 liter of water. • There is possibility of incidence of tea mosquito bugs and thrips on the 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). • There is possibility for incidence of cashew apple and nut borer, if incidence is noticed spray Profenophos 50%EC @ 15 ml per 10 liter of water.
Lablab bean	Pod development	• 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	Flowering to pegging	• Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation rate, hence provide irrigation to the groundnut crop.
Coconut	Fruiting	• Provide irrigation to first four years old coconut orchard at 5 to 6 days interval and for above four years old orchard provide irrigation at 7 to 8 days interval.
Arecanut	Flowering	• Due forecast for decrease in humidity during next five days, provide irrigation to arecanut orchard at 5-6 days interval.
Cucurbitaceous crops/Water melon	Flowering to fruiting	• There is possibility for incidence of fruit fly in watermelon, cucurbitaceous crop. For effective control of fruit fly, install cue lure 'Rakshak' trap @ 2 nos. per acre at the time of initiation of flowering. • Provide irrigation to cucurbitaceous crops at 5-6 days interval.
Brinjal	Vegetative	• Apply 2nd split dose of nitrogen fertilizer @ 4 g urea per plant at one months after planting. • Provide irrigation to brinjal crop at 5-6 days interval.
Okra	Vegetative	• There is possibility of incidence of aphids, hoppers on okra crop If incidence is noticed, spray Dimethoate 30%EC@15 ml per 10 liter of water during clear weather. For management of sucking pest, place yellow sticky paper into field. • Provide irrigation to okra crop at 5-6 days interval.

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.