



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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Duration – 5 days

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Significant past weather for the preceding week (Period –18/07/2020 to 24/07/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 29/07/2020				
18/07	19/07	20/07	21/07	22/07	23/07	24/07		25/07	26/07	27/07	28/07	29/07
36.8	18.8	25.6	0.6	5.2	0.0	0.0	Rainfall (mm)	68	23	66	56	24
28.2	29.8	29.7	29.5	30.5	30.0	30.2	Maximum temperature (°C)	31	33	32	31	30
23.9	24.0	24.0	24.6	23.7	24.3	24.6	Minimum temperature (°C)	24	24	24	24	25
6	4	4	4	4	6	6	Cloud cover (Octa)	8	7	8	6	8
93	95	95	95	90	97	97	Relative Humidity Max. (%)	89	90	92	92	91
82	82	92	79	83	81	-	Relative Humidity Min. (%)	71	60	67	71	76
7.0	5.7	3.9	3.3	3.6	3.3	2.1	Wind speed (Km/hr)	3	7	6	9	4
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ESE	S	S	SW	SSW
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
87.0				2037.3				5130.9				

Weather summary/Alert

As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of moderate rainfall at most places from 25th to 29th July, 2020 over Ratnagiri district.

Warning: Heavy rainfall likely to occur from 24th to 26th July, 2020 at isolated places in Ratnagiri district.

Crop	Stage	Agromet Advisory based on weather forecast
General advice		<ul style="list-style-type: none"> Follow weeding operation in vegetable crop field.
Kharif rice	Growth stage	<ul style="list-style-type: none"> Due to forecast of moderate rainfall, maintain optimum water level of 2.5 to 5 cm in rice field. Follow weeding in rice field after weeding apply second split dose of nitrogen @ 35 kg urea per acre to rice crop at one month after transplanting when intensity of rainfall is low. Keep bunds in rice field weed free to remove the alternate host plant of pest. There is possibility of incidence of blue beetle in low land rice, hence observe crop regularly for infestation of pest. If incidence of blue beetle is noticed on rice crop, spray Quinalphos 25% EC @ 20 ml or Triazophos 40%EC@ 12.5 ml or Lambda cyhalothrin 5%EC @ 5 ml per 10 liter of water.
Finger millet	Transplanting	<ul style="list-style-type: none"> Follow weeding in finger millet crop at two weeks after transplanting.
Mango	Vegetative	<ul style="list-style-type: none"> Apply paclobutrazol (cultar/coltar) for regular flowering to the mango trees having age of 10 years and above. Before application 1st measure east-west and north-south diameter of the tree canopy and average it. Then calculate dose @ 3 ml per meter diameter of tree canopy. Mix this quantity of paclobutrazol in 3 to 5 lits. of water. Apply this solution uniformly in 25 to 30 holes at uniform distance with 10 to 12 cm depth in circular fashion at half distance of tree cover (just inside the manuring ring) from the base of tree. For making hole crowbar can be used. Ensure the drenching of uniform quantity in each hole and closed or plug hole after application. Before application of paclobutrazol make area weed free. Perform this application when intensity of rainfall is low.
Brinjal	Flowering	<ul style="list-style-type: none"> There is possibility of incidence of shoot and fruit borer in brinjal crop. If incidence is noticed spray Emamectin Benzoate 5%SG@ 4gm or Azadirachtin 1% @ 20 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liters of water when intensity of rainfall is low.
Chilli	Vegetative	<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, at 7 days interval when intensity of rainfall is low. Install blue paper sticky trap in field.
Cucurbitaceous crop	Flowering	<ul style="list-style-type: none"> Install 'Rakshak' trap @ one trap per 25 gutha area in cucurbitaceous crop at the time of flowering for effective control of fruit fly. Due to cloudy weather condition, there is possibility of incidence of powdery mildew disease on cucumber, snake gourd, bitter gourd, ridge gourd, bottle gourd, pumpkin cucurbitaceous vegetable crops, if incidence is noticed spray Carbendazim @ 5 gm or Zineb @ 20 gms per 10 liters of water when intensity of rainfall is low.

Note : Spray insecticide or fungicide solution and apply fertilizers when intensity of rainfall is low. Mix sticker into spraying solution.

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.