



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth,
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Duration – 5 days

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Significant past weather for the preceding week (Period –21/10/2020 to 27/10/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 01/11/2020				
21/10	22/10	23/10	24/10	25/10	26/10	27/10		28/10	29/10	30/10	31/10	01/11
1.2	1.6	0.0	0.0	1.4	6.8	0.0	Rainfall (mm)	7	3	0	0	8
30.6	31.5	31.8	31.5	30.2	30.6	31.2	Maximum temperature (°C)	34	34	34	34	35
22.6	23.0	23.5	24.0	22.0	21.9	22.3	Minimum temperature (°C)	24	25	24	24	25
6	6	4	4	4	6	6	Cloud cover (Octa)	2	3	2	2	2
96	95	95	93	95	96	98	Relative Humidity Max. (%)	85	78	74	73	79
97	91	81	81	76	72	-	Relative Humidity Min. (%)	58	52	46	45	55
2.7	2.7	2.7	2.2	3.4	3.7	1.4	Wind speed (Km/hr)	6	5	6	6	6
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	ENE	ENE	ENE	ENE
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
11.0				4137.5				5130.9				

Weather summary

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light rainfall on 28 th , 29 th October and 1 st November, 2020 at isolated places over Ratnagiri district. Also, possibility for increase in temperature and sky will remain clear.
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Crop	Stage	Agromet Advisory based on weather forecast
Kharif rice	Maturity	<ul style="list-style-type: none"> There is forecast of light rainfall during next five days, harvest the matured rice varieties, keep harvested produce in protective shed for threshing and after threshing, keep threshed grains in protective shed for drying.
Finger millet/ Proso millet	Maturity	<ul style="list-style-type: none"> There is forecast of light rainfall during next five days, harvest the matured varieties of finger millet crop by cutting of ear head with sickle and dry in the safe and protective shed. Carryout threshing after drying.
Red gram/ Tur	Pod development	<ul style="list-style-type: none"> There is possibility for incidence of pod borer in tur crop, if incidence is noticed, spray Chlorantraniliprole 18.5%SC @ 3 ml or Spinosad 45%SC @2.5 ml per 10 liter of water.
Lablab bean	Land preparation and Sowing	<ul style="list-style-type: none"> For cultivation of lablab bean on residual moisture, first spray glyphosate 5 ml per liter of water after harvesting of rice crop when soil reach at field capacity condition to control weeds and then sow the lablab bean at a spacing of 30 x 15 cm by dibbling without disturbing soil by any tillage operation. Fertilizer should be place by making hole adjacent to seed. For cultivation of lablab bean by land preparation, plough the soil after harvest of kharif rice when it is in field capacity. Incorporate 2 tonne/acre FYM or compost at the time of ploughing. Sow lablab bean @ 30 to 45 kg/ ha by dibbling at a spacing of 30 x 15 cm or 30 x 20 cm or 30 x 30 cm. apply 540 gms urea and 3 kg Single Super Phosphate per guntha at the time of sowing below the seed at 5 cm depth. Provide light irrigation after sowing. In the both method of sowing, treat the seed with Thiram fungicide @3 gm/kg of seeds before sowing. After that treat the seed with Rhizobium biofertilizers @ 25 gms per kg and dry it shed one hours before sowing.
Mango	Vegetative	<ul style="list-style-type: none"> There is possibility for incidence of shoot borer and midge fly on new vegetative flush of mango, if incidence is noticed, spray Monocrotophos 36%SL @ 11 ml per 10 liter of water during clear weather (no rainfall). Water stress in root zone favors the induction of flowering, hence clean the mango orchard as soon as possible to facilitate the evaporation of water from mango orchard at faster rate. In the old unproductive mango orchard, for penetration of solar radiation into canopy carryout central opening and pruning operation as per the technology recommended by university. While performing operation, old tall mango trees should be prune at 2/3rd height from base. In younger mango trees, pruning operation should be done at 12-15 ft height from base. After pruning spray chloropyriphos insecticide 5 ml per liter of water on to whole tree also pour solution into base of stem. After that apply bavistin 5 gm by mixing with 1 liter of coltar to the cut portion of branches. Provide irrigation 150-200 liter of water at 10-15 days interval immediately after pruning.

		<p>Thin excess sprouting after two months of pruning.</p> <ul style="list-style-type: none"> • For penetration of solar radiation into canopy carryout central opening and pruning operation in dense mango tree. apply bordo paste to cut portion. • In high density (5X5 m or 6X4 m) mango orchard carryout pruning operation regularly, it includes detopping, pruning of cross branches and removing of dead wood. The height of tree in high density orchard should be maintained at 80% of row distance.
Cashewnut	Vegetative	<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). • 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 at an interval of 30 days from vegetative flush stage for 4 times..
Coconut	Fruiting	<ul style="list-style-type: none"> • Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to coconut orchard at 8-10 days interval.
Arecanut	Fruiting	<ul style="list-style-type: none"> • Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to arecanut orchard at 6-8 days interval.
Chilli	Transplanting	<ul style="list-style-type: none"> • If seedlings of chilli are ready for transplanting, transplant the seedlings on ridges and furrow with spacing of 60 X 60 cm. Apply fertilizer dose of 540 g of well decomposed FYM, 6 g urea, 11 g SSP and 3 g of MOP per plant at the time of transplanting. for protection of seedlings from wilt disease, dip the seedling for 5 minute in Trichoderma solution @5 -10 gms per liter or Dimethoate solution @ 1ml per liter of water before transplanting. Provide irrigation immediately after transplanting.
Vegetable crops/ Fruit crop orchard	Seedling	<ul style="list-style-type: none"> • Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to newly planted fruit crop orchard and vegetable crops.
Marigold	Nursery	<ul style="list-style-type: none"> • For the nursery sowing of marigold flower crop, carryout primary tillage operation. Prepare raised bed of 2m length x 2m width x 10 cm height. Mix 8 to 10 kg fine FYM and 50 to 60 grams of mixed fertilizer into bed. Sow the seeds in rows 4-5 cm apart at 1 cm depth and cover with mixture of fine soil and FYM. Provide light irrigation after sowing.
<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>		