



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 –05/11/2019 to 11/11/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 16/11/2019				
05/11	06/11	07/11	08/11	09/11	10/11	11/11		12/11	13/11	14/11	15/11	16/11
9.6	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	3	4	0	0
31.4	32.0	32.0	29.8	30.2	30.1	31.2	Maximum temperature (°C)	33	33	32	32	32
24.0	22.5	22.5	21.0	19.7	19.8	21.1	Minimum temperature (°C)	23	23	23	23	23
4	6	4	4	4	0	6	Cloud cover (Octa)	1	1	1	1	6
95	93	96	88	96	94	98	Relative Humidity Max. (%)	92	92	93	93	93
73	78	71	76	70	70	59	Relative Humidity Min. (%)	78	78	78	78	80
2.1	1.6	2.5	3.4	3.0	2.4	2.6	Wind speed (Km/hr)	7	7	7	7	6
W	W	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	ENE	E	E	ENE
Rainfall (mm) in last week							Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year				
9.6							5130.9	3071.8				

Agro-met Advisory

There is possibility of very light rainfall on 13th and 14th November, 2019 at isolate places and sky will remain clear.

Extended range rainfall forecast for Konkan division for the period from 8th to 14th November, 2019 is below normal.

According to NDVI, Agriculture vigour is moderate and according to SPI, severely wet condition experienced in Ratnagiri district.

Crop	Stage	Agro Advise
Kharif rice	Maturity	<ul style="list-style-type: none"> During next five days there is forecast of no rainfall, hence complete the harvesting and threshing of the matured rice varieties.
Finger millet	Maturity	<ul style="list-style-type: none"> During next five days there is forecast of no rainfall, hence complete the harvesting and threshing of the matured finger millet crop.
Lablab bean	Sowing	<ul style="list-style-type: none"> For cultivation of lablab bean on residual moisture, first spray glyphosate 5 ml per liter of water immediately after harvest of rice crop 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, carryout ploughing operation on moist soil after the harvest of kharif rice and incorporate 5 tonne/ha FYM or compost. Then 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. Before sowing, treat the seed with Thiram fungicide @3 gm/kg of seeds. After that treat the seed with Rhizobium biofertilizers @ 25 gms per kg of seed and dry in shed one hours before sowing.
Mango	Vegetative	<ul style="list-style-type: none"> Due to humid weather condition, there is possibility of incidence of hoppers, midge fly and shoot borer on vegetative flush of mango to protect the flush of mango, spray Lambda cyhalothrin 5%EC @ 6ml or Quinalphos 25%EC@25 ml per 10 liter of water. Situation of clear sky and increase in temperature may leads to accelerate evaporation, hence 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	Vegetative	<ul style="list-style-type: none"> Due to humid weather condition, there is possibility of incidence of tea mosquito bug and thrips on vegetative flush of cashewnut to protect the flush of cashew, spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water. Situation of clear sky and increase in temperature may leads to accelerate evaporation, hence 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	-	<ul style="list-style-type: none"> Situation of clear sky and increase in temperature may leads to accelerate evaporation, hence provide irrigation to coconut orchard at 6 -7 days interval to newly planted orchard and for full grown tree provide irrigation at 5 -10 days interval.
Arecanut	Fruiting	<ul style="list-style-type: none"> Situation of clear sky and increase in temperature may leads to accelerate evaporation, hence provide irrigation to arecanut orchard at 4 to 5 days interval.
Vegetables crop nursery	Seedling	<ul style="list-style-type: none"> Apply 50 grams of urea per bed 15 days after sowing of rabi vegetable nursery. Due to humid weather condition, there is possibility of incidence of leaf eating caterpillar,

		<p>white fly, hoppers and aphids on seedlings in vegetable nurseries. If incidence is noticed, spray dimethoate 15 ml per 10 liters of water at 10 to 15 days interval.</p> <ul style="list-style-type: none"> • Due to increase in rate of evaporation, provide irrigation to fruit crop and vegetable nursery regularly. • For the cultivation of long yard vegetable crop, cultivate the land when it is at field capacity. Incorporate 10-15 tonne/ha FYM or compost at the time of ploughing. Prepare flat bed of 3 x 3 m size. Apply 60 gm urea, 300 gm single super phosphate and 45gm muriate of potash per bed at the time of sowing. Sow 2-3 seeds at a spacing of 60 X 60 cm. Provide light irrigation after sowing. • For the cultivation of watermelon, carryout primary tillage operation. Follow sowing on ridges and furrow having spacing of 2 X 0.50 m. apply 1.5 kg FYM, 11g urea, 32 g single super phosphate and 10 g muriate of potash per vine and for hybrid varieties apply 2 kg FYM, 20g urea, 32 g single super phosphate and 17 g muriate of potash per vine at the time of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed for protection of seedlings from wilt disease. Provide light irrigation after sowing.
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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.