



Agromet Advisory Service Bulletin for Ratnagiri District
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Duration – 5 days

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Significant past weather for the preceding week (Period –12/10/2019 to 18/10/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 23/10/2019				
12/10	13/10	14/10	15/10	16/10	17/10	18/10		19/10	20/10	21/10	22/10	23/10
0.0	0.0	0.0	0.0	0.0	0.0	0.2	Rainfall (mm)	20	22	18	20	12
31.6	32.0	32.2	33.8	33.8	33.8	34.0	Maximum temperature (°C)	31	31	32	32	33
23.2	22.6	22.0	23.6	21.0	23.0	24.0	Minimum temperature (°C)	24	23	23	23	23
0	4	2	0	0	0	6	Cloud cover (Octa)	8	8	8	8	8
96	96	93	83	81	88	81	Relative Humidity Max. (%)	92	94	92	92	91
73	74	59	68	51	61	75	Relative Humidity Min. (%)	84	81	74	75	67
1.2	1.1	1	0.3	0.7	1.0	0.7	Wind speed (Km/hr)	6	6	6	5	4
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	ENE	E	E	E
Rainfall (mm) in last week							Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year				
0.2							4994.3	3071.8				

Agro-met Advisory

There is possibility of light to moderate rainfall from 19th to 23rd October, 2019 at isolate places also sky will be cloudy.

Extended range rainfall forecast for Konkan division for the period from 18th to 24th October, 2019 is above normal. According to NDVI, Agriculture vigour is moderate and according to SPI, mildly wet condition experienced in Ratnagiri district.

Crop	Stage	Agro Advise
Kharif rice	Grain filling to maturity stage	<ul style="list-style-type: none"> Maintain 5 cm level of water in rice field where late rice varieties are in grain filling stage and drain out water from the field where mid-late rice varieties are in maturity stage. There is forecast of moderate rain, hence by observing rainfall situation harvest matured early rice varieties in morning hours only with 'Vaibhav sickle' near to ground level and follow immediate threshing, the threshed grains should be sun dry for 2 to 3 days before storage. There is possibility of incidence of army worm in early rice varieties, hence by observing rainfall situation follow immediate harvesting and threshing of matured early rice varieties. There is possibility of incidence of army worm in rice crop, hence observe crop regularly for infestation of pest. Install bird's perches @3-4 / acre. Keep bunds weed free. If incidence of army worm is observed above threshold level (1-2 larvae /hill), spray Dichlorovos 76% EC @ 15 ml or Cypermethrin 25%EC @ 6 ml per 10 liter of water during evening hours or in early morning when wind blows calm. (Note: insecticides are not under label claim) <p>Note: Spraying should be taken during dry period.</p>
Mango	Vegetative	<ul style="list-style-type: none"> In high density (5X5 m or 6X4 m) mango orchard, carryout pruning operation, 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. In old mango orchard, carryout centre opening operation which increase penetration of sunlight and result in increase in flowering. Due to cloudy and 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.
Cashewnut	Vegetative	<ul style="list-style-type: none"> Clean cashew orchard by removing all dried, weak, disease infected and dead branches, apply bordopaste on cut portion. Due to cloudy and 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.
Vegetables crop nursery	Sowing	<ul style="list-style-type: none"> For raising of vegetable nursery for rabi season, cultivate the land when it is at field capacity condition and then prepare raised bed of 3m length x 1 m breadth x 15cm height. Apply 5 kg FYM, 35gm urea, 100gm single super phosphate and 25gm muriate of potash per sq. m. For protection of seedlings from wilt disease, drench nursery bed with 1% bordomixture before 3-4 days of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed. 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 irrigation to fruit crop and vegetable nursery regularly.

• **Note:** Spraying should be taken during dry period.

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.

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