



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by IAAS, Dr. B.S. Konkani 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 –21/09/2019 to 27/09/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 02/10/2019				
21/09	22/09	23/09	24/09	25/09	26/09	27/09		28/09	29/09	30/09	01/10	02/10
14.6	4.6	0.4	0.0	32.6	0.0	19.0	Rainfall (mm)	11	5	7	0	3
28.6	29.1	30.0	30.0	30.6	29.8	29.0	Maximum temperature (°C)	30	31	31	31	30
24.0	24.0	23.0	24.5	23.2	24.0	23.5	Minimum temperature (°C)	24	25	25	25	24
6	4	4	4	8	4	6	Cloud cover (Octa)	8	8	8	5	7
96	93	93	88	98	88	100	Relative Humidity Max. (%)	95	95	96	95	95
82	85	74	83	83	98	80	Relative Humidity Min. (%)	80	77	72	69	71
4.4	3.7	3.0	1.5	1.8	1.4	2.5	Wind speed (Km/hr)	7	6	4	4	4
SW	W	SW	W	Calm	W	W	Wind direction	SE	ESE	SE	SE	SE
Rainfall (mm) in last week							Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year				
71.2							4960.9	3071.8				

Agro-met Advisory

There is possibility of light rainfall from 28th to 30th September and 2nd October, 2019. Sky will be cloudy.
Extended range rainfall forecast for Konkani division for the period of 27th September to 3rd August, 2019 is above 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	Flowering to grain filling stage	<ul style="list-style-type: none"> • Due to forecast of light rainfall, maintain 5 cm level of water in rice field where mid- late rice varieties in grain filling stage and late rice varieties is in flowering stage. Drain out water from the field where early rice varieties is in maturity stage. • Apply 3rd split dose of nitrogenous fertilizer @ 71 kg urea /ha to the late rice varieties at the time of flowering. • Due to intermittent rainfall and cloudy weather condition, there is possibility of incidence of blue beetle on low land rice. Hence make provision for replacing stagnated water with fresh water for every 2-3 days. If incidence of blue beetle is noticed on rice crop, spray Quinalphos 25% EC @ 40 ml or Triazophos 40%EC@ 12.5 ml or Lambda cyhalothrin 5%EC @ 5 ml per 10 liter of water. • Due to intermittent rainfall and cloudy weather condition, there is possibility of incidence of brown plant hopper in lowline area where stagnation of water is observed also dense planting and heavy dose of nitrogenous fertilizers. If incidence of brown plant hopper is observed above threshold level (5-10 hopper/hill), spray Acephate 75%WP @ 2.25 g or Fipronil 5% SC @ 2 ml or Imidacloprid 17.8% SL @ 0.2 ml per liter of water. Precaution should be taken to spray the insecticide on stem of rice plant. make provision for replacing stagnated water with fresh water for every 2-3 days. • Due to intermittent rainfall, increase in temperature and humidity, there is possibility of incidence of army worm in early rice varieties, hence observe crop regularly for infestation of pest. Install bird's perches @3-4 / acre. If incidence of army worm is observed above threshold level (1larvae /hill), spray Dichlorovos 76 WSC 13 ml per 10 liter of water during evening hours or in early morning when wind blows calm.
Mango	Vegetative	<ul style="list-style-type: none"> • Follow the weeding operation in mango orchard, also remove loranthus, all dried, unproductive and disease infected branches, apply bordopaste on cut portion. After cleaning of orchard, spray 1% bordo mixture or 0.25% copper oxychloride @25 gms per 10 liter of water on to tree. • Due to increase in temperature and humidity 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"> • Follow the weeding operation in cashewnut orchard, also remove all dried, unproductive and disease infected branches, apply bordopaste on cut portion. After cleaning of orchard, spray 1% bordo mixture on to tree. • Due to increase in temperature and humidity 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.
Vegetable crops	Fruiting	<ul style="list-style-type: none"> • To control the attack of yellow vein mosaic in okra, remove and destroy diseased plant. Spray Dimethoate 1 ml per liter of water and use yellow sticky cards in field to attract white flies

		which act as vector for disease transmission.
Milch animals/Goat	--	<ul style="list-style-type: none"> • Vaccination against Haemorrhagic Septicemia (H.S) disease in goat under supervision of veterinary officers is advocated. • Preserve the available green fodder by adopting silage method which helps to feed animals during the period when green fodder is not available. For this, sprinkle the prepared solution of 2 kg jaggery +half kg urea+ 2kg salt in 5-6 liter of water onto 100kg finely chopped grasses. then this treated grass is filled layer wise in plastic silos readily available in market. Keep the silos in shade to protect from rain and heat. In this way, the feed is ready within 2-3 months to feed the farm animals.
Poultry	--	<ul style="list-style-type: none"> • Vaccination against Ranikhet disease in poultry birds under the supervision of veterinary officer is advocated. • Keep regular attention to the cleanliness of birds and sheds.
<ul style="list-style-type: none"> • Note: spraying should be taken in dry period during day. 		
<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>		