



Agromet Advisory Service Bulletin for Palghar 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
16.2	0.0	0.0	0.0	7.0	3.6	23.4	Rainfall (mm)	13	13	9	17	34
30.7	31.0	29.0	31.4	31.4	29.6	32.0	Maximum temperature (°C)	30	30	30	31	31
25.2	24.4	26.2	26.0	25.4	25.6	25.0	Minimum temperature (°C)	24	24	25	25	25
1	1	1	0	1	2	1	Cloud cover (Octa)	8	8	7	6	4
97	85	85	87	93	89	96	Relative Humidity Max. (%)	83	83	84	83	84
80	75	76	78	82	72	-	Relative Humidity Min. (%)	74	72	72	72	73
3.3	4.9	5.0	2.4	2.8	1.2	4.8	Wind speed (Km/hr)	21.7	21	19.2	19.2	15.4
WNW	WSW	WNW	E	W	NNE	SW	Wind direction	171	176	175	204	198
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2019 to till dated			Total Rainfall (mm) in last year			
50.2						4122.4			2359.6			

Agro-met Advisory

There is possibility of light to moderate rainfall from 28th to 2nd October, 2019 and 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 Palghar 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 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.
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.
Sapota	Fruiting	<ul style="list-style-type: none"> Follow the weeding operation in sapota 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.
Vegetables crop nursery	--	<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.
Milch animals/Goat	--	<ul style="list-style-type: none"> Vaccination against Haemorrhagic Septecemia (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.

• **Note: spraying should be taken in dry period during day.**

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 Konkani Krishi Vidyapeeth, Dapoli.

For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.