



Agromet Advisory Service Bulletin for Raigad District

(Issued jointly by IAAS, Dr. B.S. KonkankrishiVidyapeeth, & Regional India Meteorological Department, Mumbai)

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**Significant past weather for the preceding week
(Period –16/04/2018 to 20/04/2018)**

Rainfall (mm):	0.0
Total Rainfall 01/01/2018 (mm):	0.0
Total Rainfall (mm) (last year)	4269.8
Maximum temperature (°C)	39.2-41.4
Minimum temperature (°C)	21.0-23.2
Morning RH (%)	65-76
Afternoon RH (%)	18-34
Wind Speed (km/hr):	4.3-5.0
Total cloud cover (Octa)	0-4

Weather forecast until 08.30 hrs of 25/04/2018

PARAMETERS	Day-1	Day-2	Day-3	Day - 4	Day - 5
	21/04	22/04	23/04	24/04	25/04
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	34	33	33	33	33
Minimum temperature (°C)	24	24	23	23	23
Total cloud cover (Octa)	1	0	0	0	0
Relative Humidity Max. (%)	79	67	68	92	84
Relative Humidity Min. (%)	47	56	42	49	51
Wind Speed (Km/hr)	005	006	007	003	003
Wind Direction	113	40	94	64	80

: Agro-met Advisory:

Sky will be slightly cloudy on 21st and clear from 22nd to 25th April, 2018. Wind velocity range from 3 to 7 kmph from 21st to 25th April, 2018.

Crop	Crop Stage	Agromet Advisory
Summer Rice	Flowering	<ul style="list-style-type: none"> Apply 3rd split dose of urea @ 55 kg/ha at the time of flowering and maintained water level on rice field upto level 5 cm. before application of urea weeding should be carried out.
Pulses crops	Harvesting	<ul style="list-style-type: none"> Harvest mature pulse crop early in morning or late in evening and dry it for 3 to 4 days in sunlight. Stored dried grain in proper manner.
Mango and Cashew	Fruit Development	<ul style="list-style-type: none"> Due to temperature and humidity variation it is possibility for fruit drop of mango hence, apply irrigation for alphonso mango @ 150 to 200 lit. of water at fortnight interval to reduce fruit drop and increase the size of fruits. Harvest the mature mango fruits before 10 hours in the morning and after 16 hours in the evening with the help on Nutan mango harvester at 80 to 85% maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. To avoid post harvest disease infection on fruits, dip the harvested fruits immediately after harvest in the warm water (52° C) for 10 minutes and dry it in shade. For ripening of harvested mango fruits dip it in solution of 6.5 gm. Ethrel in 10 lit. of water for 5 minutes and dry it in shade. Packing of mango fruits in C.F.B. (corrugated fiber box) developed by B. S. Konkankrishi Vidyapeeth, Dapoli is advised. Transport of harvested fruits should be done preferably during night hours. Don not apply any insecticides/fungicides 8 days before harvesting of mango fruits. There is possibility of incidence of Mango fruit fly, install 'Rakshak fruit fly traps' developed by University @ 4 traps per ha. area. If incidence of mango hopper if it is noticed on mango crop, spray Diamethoate 30 % EC @ of 10 ml or Lambda Cyhalothrin @5% E.C. @ of 6 ml per 10 liter of water It is necessary to protect fruit set of cashew from tea mosquito bug and thrips by spraying it with 50 % Profenophos 10 ml or 5% Lambda cyhalothrin @ 5 ml per 10 litres of water. (These insecticide are not under label claim) In some places the nuts ready for harvesting. Harvest the matured nuts and dry under sunlight. Prepare different processed product from cashew apple as per recommended by Dr. Balasaheb Sawant Konkankrishi Vidyapeeth, Dapoli.
Coconut, Arecanut	--	<ul style="list-style-type: none"> As there is increase in average temperature, irrigation should be given to coconut orchard at 5-6 days interval and for arecanut orchard at 4-5 days interval. For control of adults and grubs of rhinoceros beetle, dust 2 % Methyl parathion powder after every 2 month interval in FYM pits. To control red palm weevil affected coconut, prepare a slanting hole with the help of screw drill about 1 m height from ground level on tree trunk and pour about 20 ml of 36 % Monocrotophos or 20% Chlorphyriphos with the help of plastic funnel in the hole and close the hole with the help of cement.
Vegetable crop	Fruiting Stage	<ul style="list-style-type: none"> If incidence of hopper, aphids and thrips on vegetable crops viz., brinjal, tomato, cabbage, chilli, knol knol etc., is noticed spray Malathion @ 20 ml or Dimethoate @ 12 ml per 10 liter of water. Cucurbitaceous vegetables are in fruit bearing stage, install of Rakshak fruit fly traps developed by University @ 4 traps per ha area is advocated to control fruit fly in vegetables garden.
Goats/ Milch animals/ Poultry	--	<ul style="list-style-type: none"> Provide clean and hygienic drinking water and nutritious fodder and concentrates to farm animal. Planting of biennial and perennial forage crops for livestock like paragrass, hybrid napier, CO-3, yashwant etc. Provide 1 to 1.5 kg concentrate + 15 to 20 kg green fodder + 4 to 5 kg roughages per day for milch animals. Young goats provide 3 to 4 kg green fodder + 2 to 2.5 kg dry fodder + 300 g concentrate,. Protect the animals from afternoon heat. Keep good aeration in animal shed. For boiler poultry bird 1st three week provide boiler starter and 4 to 6 week old bird provide boiler finisher as per their daily requirement. The temperatures during they are increasing hence protect poultry birds from heat.
Suggestion	--	<ul style="list-style-type: none"> Contact nearby SAU Scientists or State Agril. Dept. for detail control measures against incidence of pest and diseases under adverse weather conditions.