



AGROMET ADVISORY SERVICE BULLETIN FOR RAIGAD DISTRICT

(Issued jointly by GKMS, Dr. B.S. Konkani Krishi Vidyapeeth,
& India Meteorological Department)



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Duration – 5 days

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Significant past weather for the preceding week (Period –23/12/2020 to 29/12/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 03/01/2021				
(Source: Agromet observatory, RARS, Karjat)								(Source: Regional Meteorological Centre, Mumbai)				
23/12	24/12	25/12	26/12	27/12	28/12	29/12		30/12	31/12	01/01	02/01	03/01
-	-	-	-	-	-	-	Rainfall (mm)	0	0	0	0	0
-	-	-	-	-	-	-	Max.Temp. (°C)	29	30	31	32	31
-	-	-	-	-	-	-	Min.Temp. (°C)	19	19	20	20	20
-	-	-	-	-	-	-	Cloud cover (Octa)	1	2	1	1	7
-	-	-	-	-	-	-	Max. RH (%)	58	57	57	66	59
-	-	-	-	-	-	-	Min. RH (%)	33	28	32	38	35
-	-	-	-	-	-	-	Wind speed(Km/hr)	5	7	6	5	4
-	-	-	-	-	-	-	Wind direction	ENE	E	E	E	E
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
0.0				3090.6				5197.2				

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of gradual rise in minimum temperature from 31 st December, 2020 to 3 rd January, 2021 and sky remain clear over Raigad district.
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Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
Summer rice	Nursery	<ul style="list-style-type: none"> • Provide irrigation to rice nursery regularly. • Perform the ploughing operation for land preparation for transplanted rice. Incorporate well decomposed FYM @3 tone/ acre into soil. repair the bunds in main rice field
Chickpea	Vegetative	<ul style="list-style-type: none"> • There is possibility for incidence of pod borer in chickpea. For management of pest install pheromone trap @2 trap per acre and install bird's perches @ 2 per acre. If incidence is noticed spray 0.5% neem seed kernel extract or azadirachtin 300 PPM @ 5 ml per liter of water.
Mango	Vegetative flush to flower bud	<ul style="list-style-type: none"> • There is possibility incidence of hoppers and powdery mildew disease on flower bud stage in mango. To protect the flower bud from pest and powdery mildew diseases, spray Lambda cyhalothrin 5%EC @ 6 ml + hexaconazole @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water. • The recommended dose of insecticides is applicable for manually operating sprayer. • Situation of clear sky and increase in evaporation rate, 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	Flowering to fruiting	<ul style="list-style-type: none"> • There is possibility of incidence of tea mosquito bugs and thrips on the inflorescence of cashewnut, to protect the cashew inflorescence, spray Profenophos 50% EC @10 ml per 10 liter of water. • There is possibility of incidence of tea mosquito bugs and thrips on the fruits of cashewnut, to protect the cashew during fruit bearing stage, spray Lambda cyhalothrin 5% EC @6 ml or Acetamiprid 20%SP @ 5 gms per 10

		<p>liter of water. (insecticide is not under label claim).</p> <ul style="list-style-type: none"> • For increasing yield and size of cashewnut, spray entire tree with 25% cow urine @ 5 lit per tree and drench the solution of 25% cow urine @ 10 liter per tree. • Situation of clear sky and increase evaporation rate, 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	Fruiting	<ul style="list-style-type: none"> • Provide irrigation to first four years old coconut orchard at 6 to 7 days interval and for above four years old orchard provide irrigation at 5 to 10 days interval.
Arecanut	Fruiting	<ul style="list-style-type: none"> • Harvest the fully ripe nut when nuts get orange colour and sundry for 40 to 45 days. nuts are turned over at regular interval to ensure uniform drying. • For 3-year-old arecanut palm apply 2nd split dose 160 g urea and 125 g muriate of potash per tree. by digging circular ring about 1 meter from base of tree and fill the circular ring with soil after application of fertilizer. Apply 1/3rd and 2/3rd of abovementioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively. • Provide irrigation to arecanut orchard at 6-8 days interval.
Chilli	Flowering	<ul style="list-style-type: none"> • There is possibility of incidence of leaf curl disease in chilli due to thrips, white flies and mites which results into curling of leaves and stunted growth of plant. If incidence is noticed on transplanted chilli, spray dimethoate 30%EC 10 ml + Sulphur 20 gms per 10 liter of water at 10-15 days interval when intensity of rainfall is low. For control of thrips spray cow urine 10% and Azadirachtin 10000 PPM @3 ml per liter of water alternatively, seven days after transplanting at 10-15 days interval. • Apply 2nd split dose of nitrogen fertilizer @ 3 g urea per plant at the time of flowering. • Provide irrigation to chilli crop at 4-5 days interval regularly.
Water melon	Vegetative	<ul style="list-style-type: none"> • Provide irrigation to water melon crop at 4-5 days interval regularly.
<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>		