



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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No. 12/2020

Date: 11/02/2020

Duration – 5 days

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Significant past weather for the preceding week (Period –05/02/2020 to 11/02/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 16/02/2020				
05/02	06/02	07/02	08/02	09/02	10/02	11/02		12/02	13/02	14/02	15/02	16/02
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
30.0	31.0	30.0	27.0	29.0	31.0	33.0	Maximum temperature (°C)	35	35	36	36	36
13.5	13.0	8.0	10.5	13.0	16.0	18.0	Minimum temperature (°C)	23	24	23	23	24
0	0	0	0	0	0	0	Cloud cover (Octa)	3	2	4	3	2
95	93	94	95	93	86	92	Relative Humidity Max. (%)	85	83	75	71	66
55	60	65	57	54	46	-	Relative Humidity Min. (%)	44	42	38	29	28
3.0	2.7	3.4	3.9	2.7	4.1	3.2	Wind speed (Km/hr)	7	6	5	4	5
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	ENE	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							0.0	5130.9				

Agro-met Advisory

There is possibility of increase in maximum and minimum temperature from 12th to 16th February, 2020 and sky remain partly cloudy.

Crop	Stage	Agro Advise
Groundnut	Flowering	<ul style="list-style-type: none"> Roll the empty drum over the crop at 45-60 days after sowing for better penetration of pegs & pod setting. Due to forecast for increase in temperature may leads to accelerate evaporation rate, hence provide irrigation to the groundnut crop.
Lablab bean	Pod development stage	<ul style="list-style-type: none"> There is possibility of incidence of aphids on lablab crop which develop into growth of black fungus on leaves and inflorescence. If incidence is noticed, spray Dimethoate 30%EC@12 ml per 10 liter of water.
Mango	Flowering to fruiting	<ul style="list-style-type: none"> To protect the flower bud of mango from hoppers, thrips and powdery mildew diseases, as per blossom protection schedule for mango crop, take a third spray of Imidacloprid 17.8% SL @ 3 ml per 10 liter of water before the flower opening (15 days after 2nd spray) to avoid the adverse effect on pollinators. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease. To protect the pea size fruits of mango from hoppers, thrips and powdery mildew diseases, as per blossom protection schedule for mango crop, take a fourth spray of Thiomethoxam 25%WG @ 1 gm per 10 liter of water (15 days after 3rd spray) Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew. There is forecast for increase in temperature in during next five days, hence to minimize the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting at 15 days interval for 3 to 4 times. Also to improve production and quality of mango fruits, spray 1 % Potassium nitrate at pea, marble and egg fruit stages. <p>Note: avoid spraying during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (10.00 am to 12.00 pm) which is active period of pollinators for pollination.</p> <ul style="list-style-type: none"> Due to forecast for increase in temperature may leads to accelerate evaporation, hence 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	Fruiting	<ul style="list-style-type: none"> 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 per 10 liter of water. (insecticide is not under label claim). Due to forecast for increase in temperature may leads to accelerate evaporation, hence 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	--	<ul style="list-style-type: none"> There is possibility of incidence of rugose spiraling white fly on coconut, Nymphs and adults suck the sap from lower surface of leaves and produce honey dew sugary substance

		<p>which develop growth of sooty mould fungus. If incidence is noticed spray 30 ml Neem oil 0.5% @30 ml per 10 liters of water. For the protection from black fungus Spray 1% starch solution.</p> <ul style="list-style-type: none"> • Apply 750 gms urea and 667 gms of muriate of potash as 3rd split dose for 5year old and above coconut palm. • Due to forecast for increase in temperature may leads to accelerate evaporation, hence provide irrigation to coconut orchard at 6 -7 days interval to newly planted orchard and for full grown tree provide irrigation at 5 -10 days interval.
Arecanut	-	<ul style="list-style-type: none"> • Due to forecast for increase in temperature may leads to accelerate evaporation, hence provide irrigation to arecanut orchard at 4 to 5 days interval.
Okra	Vegetative	<ul style="list-style-type: none"> • There is possibility of incidence of aphids on okra crop which develop into growth of black fungus on leaves and inflorescence. If incidence is noticed, collect and destroy all infected shoots and leaves, spray Dimethoate 30%EC@10 ml per 10 liter of water. Also use yellow sticky cards in field to attract sucking pest.
Brinjal	Fruiting	<ul style="list-style-type: none"> • There is possibility of incidence of shoot and fruit borer on Brinjal, if incidence is noticed, collect and destroy all infected shoots and fruits and spray Fenvalerate @10 ml or Deltamethrin 208%EC @ 10 ml per 10 liter of water.
<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>		