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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Significant past weather for the preceding week (Period –01/02/2020 to 07/02/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 12/02/2020				
01/02	02/02	03/02	04/02	05/02	06/02	07/02		08/02	09/02	10/02	11/02	12/02
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
27.6	28.0	29.5	29.0	30.0	31.0	30.0	Maximum temperature (^{o}C)	30	31	32	33	33
11.0	11.5	14.0	15.0	13.5	13.0	8.0	Minimum temperature (^{o}C)	17	19	20	21	21
0	0	0	0	0	0	0	Cloud cover (Octa)	5	0	1	4	4
95	93	93	93	95	93	94	Relative Humidity Max. (%)	67	73	87	78	72
50	52	57	56	55	60	-	Relative Humidity Min. (%)	32	30	33	42	42
3.9	2.6	2.9	3	3.0	2.7	3.4	Wind speed (Km/hr)	5	6	5	4	6
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	E	E	ENE	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

During next five days the maximum temperature will be in the range of 30 to 33^{o}C and minimum temperature in the range of 17 to 21 ^{o}C and sky remain partly cloudy.

Crop	Stage	Agro Advise
Groundnut	**Flowering**	• Roll the empty drum over the crop at 45-60 days after sowing for better penetration of pegs & pod setting.
Lablab bean	**Pod development stage**	• There is possibility of incidence of pod borer on lablab bean crop which initially feed on buds and then on tender pods. If incidence is noticed, collect and destroy all infected pods and spray Quinalphos 25% EC @ 20ml of Dimethoate 30% EC@12 ml per 10 liter of water. Install birds' perches into field. • Provide one irrigation to lablab bean crop where crop is in flowering to pod filling stage.
Mango	**Flowering to fruiting**	• 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. • To minimize pre-mature fruit drop and improve production and quality of mango fruits, spray 1 % Potassium nitrate at pea, marble and egg fruit stages.
Cashewnut	**Fruiting**	• 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). • There is possibility of incidence of dieback disease on cashewnut, if incidence is noticed, cut the infected branch and apply Bordopaste to the cut portion and spray 1% Bordeaux mixture or Copper oxychloride 0.25 per cent (2.5 grams/ liter of water).
Coconut	**--**	• 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 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. • Apply 750 gms urea and 667 gms of muriate of potash as 3rd split dose for 5 year old and above coconut palm. • For control of eriophyid mite on coconut, neem-based insecticide neemazal 5% @ 7.5 ml be mixed in equal quantity of water apply through root feeding three times in year (during month of October-November, January to February and April to May). Harvesting is avoided at least 45 days after treatment. In addition to this spray neem-based insecticide (nemazal) 1% @4 ml per liter of water on bunch of nuts. Collect and destroy all infected inflorescence and nuts before spraying.
Milch Animals	**--**	• Protect the farm animals from low temperature by providing curtains and electric bulbs as per the need.
Poultry	**--**	• Protect the poultry birds from low temperature by providing curtains and electric bulbs as per the need.

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.