Agromet Advisory Service Bulletin for Palghar 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 –07/03/2020 to 13/03/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 18/03/2020				
07/03	**08/03**	**09/03**	**10/03**	**11/03**	**12/03**	**13/03**		**14/03**	**15/03**	**16/03**	**17/03**	**18/03**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
30.0	28.6	28.8	28.8	29.4	29.0	28.4	Maximum temperature (^{o}C)	29	31	31	31	30
19.4	15.4	16.6	19.4	18.6	17.6	15.8	Minimum temperature (^{o}C)	19	20	21	21	22
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	3	0	1
85	91	89	91	69	71	67	Relative Humidity Max. (%)	67	66	66	66	64
57	61	53	51	50	45	-	Relative Humidity Min. (%)	44	43	42	42	40
3.8	3.8	3.2	3.1	3.1	3.3	4.3	Wind speed (Km/hr)	8	9	6	3	2
SW	Calm	Calm	SE	ENE	NNE	NNE	Wind direction	E	NE	E	ESE	SE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2020 to till dated	Total Rainfall (mm) in last year
0.0	**0.0**	**4233.4**

Agro-met Advisory

Sky remain clear from 14th to 18th March, 2020.

Crop	Stage	Agro Advise
Summer rice	**Panicle initiation**	• Maintain optimum water level of 5 cm in rice field where crop is in panicle initiation stage. • There is possibility of incidence of stem borer in rice, if incidence is noticed, apply Quinalphos 5% granules @ 15 kg/ha or Carbofuron 3 % granules @ 16.5 kg/ha when there is sufficient moisture in the field.
Lablab bean, Cowpea	**Pod development stage**	• There is possibility of incidence of sucking pest on lanblab bean and cowpea etc. pulse crops., If incidence is noticed, spray Dimethoate 30%EC@12 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water.
Mango	**Fruiting**	• To protect the mango fruits from hoppers, thrips and powdery mildew disease, 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 the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting (pea size) at 15 days interval for 3 to 4 times also use straw mulch to reduce evaporation losses. • To improve production and quality of mango fruits, spray 1% Potassium nitrate at pea, marble and egg fruit stages. • The pre-harvest bagging with newspaper bag of size 25 X 20 cm at marble to egg stage as per recommendation of D.B.S.K.K.V. helps to reduce the fruit drop, increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango. • Spraying of 55% cow urine at pea size fruits of mango 3 to 6 sprays at weekly interval as per availability is suggested for increasing yield.
Cashewnut	**Flowering to fruiting**	• There is possibility of incidence of tea mosquito bug and thrips on new vegetative flush of cashewnut, to protect the flush of cashew spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water. • 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 and for control of incidence of tea mosquito buds and thrips during fruit bearing stage of cashewnut, spray Lambda cyhalothrin 5% EC @6 ml per 10 liter of water. (insecticide is not under label claim) • If nuts are ready for harvesting, harvest the matured nuts and sun dry for 7 to 8 days to bring down moisture content and then stored in dry places.
Coconut	**--**	• There is possibility of incidence of black headed caterpillar in coconut orchard in coastal areas. The caterpillar feeds on leaves results into dried up patches on leaf. For control of black headed cater pillar, collect and destroy all infected leaves and spray dimethoate 30%EC @16 ml per 10 liter of water or release larval parasitoids *Goniozus nephantidis* adult @ 3500 nos. per hectare.

		• Provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.
Sapota	**Flowering to fruiting**	• Provide irrigation to sapota orchard at 5-6 days interval. also use straw mulch to reduce evaporation losses. • There is possibility for incidence of budworm on sapota, if incidence is noticed spray any one of the insecticide viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamehtrin 2.8% EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40% EC @ 10 ml per 10 liter of water. Install blue light trap in orchard for monitoring insect.
Leafy vegetables	**Vegetative**	• There is possibility of incidence of leaf spot disease in leafy vegetables. For control of disease, spray 0.1% carbenazim @ 1 gm/liter or 0.25% copper oxychloride @2.5 gm/liter of water at 15 days interval.
Water melon	**Flowering to fruiting**	• Provide irrigation to water melon crops at 3-4 days interval regularly as to protect fruits from cracking. • Cover the water melon fruits with paddy straw or grasses to protect fruits from sunlight. • Install cue lure 'Rakshak' trap @ 4 nos. per hectare at the time of initiation of in watermelon crop for effective control of fruit fly. Collect and destroy all infected fruits.
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.		