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 –23/05/2020 to 29/05/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 03/06/2020				
23/05	24/05	25/05	26/05	27/05	28/05	29/05		30/05	31/05	01/06	02/06	03/06
0	0	0	0	0	0	0	Rainfall (mm)	0	0	0	17	8
34.0	35.8	35.8	35.8	34.2	34.4	34.4	Maximum temperature (°C)	35	35	34	34	33
25.0	27.6	28.0	28.0	28.4	28.6	28.2	Minimum temperature (°C)	30	29	28	27	27
0	2	0	0	0	0	0	Cloud cover (Octa)	2	1	3	7	8
83	80	77	79	77	72	79	Relative Humidity Max. (%)	80	83	83	81	79
55	58	58	67	61	63	-	Relative Humidity Min. (%)	43	42	40	42	52
3.7	5.6	4.7	4.9	6.0	6.3	6.1	Wind speed (Km/hr)	6	8	5	3	8
Calm	E	SE	SW	SW	E	ENE	Wind direction	WSW	WNW	WNW	SSW	NE

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

There is possibility of light to moderate rainfall from 2nd to 3rd June, 2020 and sky remain cloudy.

Crop	Stage	Agro Advise
Precautionary measure regarding dessert locust		• Prepare big trenches around the field to restrict the entry of locust in field. • Create smoke during night hours in the area where locust take rest on shrubs. • Spray neem based insecticide azadirachtin 1500 PPM @ 30 ml or 5% neem extract per 10 liter of water as a precautionary measure. • Prepare bait using rice husk mixing insecticide fipronil 5%SC @3 ml per 20 kg of rise husk and place in different area in the field. • If severe incidence of locust observed, spray any one of insecticide recommended by Central insecticide board, which includes chlorpyriphos 20%EC @ 24ml, chlorpyriphos 50%EC @ 10 ml, deltamethrin 2.8 %EC @ 10 ml, fipronil 5%SC@ 2.5ml, lambda cyhalothrin 5%EC @ 10 ml per 10 liter of water. Spray the insecticide during late night or early in the morning on the bushes where locusts are gathered.
Kharif rice	**Land preparation for nursery**	• The farmers are advise to give 3% brine solution treatment to the seed those who are using their own reserved seed for preparing rice nursery. Prepare 3% brine solution by mixing of 300 gms of common salt in 10 liters of water while preparing solution take care that it will be sufficient to dip all quantity of seed in solution. Remove the chaffy seeds that float on water and collect the rice seeds which settle at bottom of the bucket. Wash it with clean water for 3 to 4 times and shed dry for 48 hrs. Follow seed treatment with thiram fungicide @2.5/kg seed before sowing.
Finger millet	**Land preparation for nursery**	• For raising finger millet nursey select the well drain soil. plough the nursery area and bring the soil to fine tilth, add FYM@250 kg per guntha area. Prepare raised bed of 120 cm. breadth at bottom and 90 cm. on top along the slope of land. Convenient length of raised bed should be kept according to the land slope. • Recommended seed rate for finger millet is 2 to 2.5 kg per acre. Prepare nursery on 4 guntha area to transplant seedlings on 1acre area. • Dapoli-1, Dapoli safed-1 (Konkan safed-1) and Dapoli-2 finger millet varieties are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region during Kharif.
Mango	--	• Clean mango orchard by removing all lorathus and dried branches to maintain good sanitation in orchard. if lorathus infestation is large the cut the infested branch and apply bordopaste on cut portion of tree. • Due to increase in rate of evaporation, provide irrigation to newly planted mango orchard.
Coconut	--	• For control of rhinoceros beetle, clean coconut orchard by removing all dried leaves and other dead waste to maintain good sanitation. Since breeding of the pest occur in FYM pits, hence dust the FYM pits near to orchard with chlorpyriphos 1.5% powder at 2 months interval. Extract the adult beetle from infected palm crown using GI hooks and fill this infected crown with 25 gms of chlorpyriphos 1.5% powder and sand mixture in 1:1 proportion. Also install the pheromone traps into orchard. • Due to increase in rate of evaporation, provide irrigation to coconut orchard.

Sapota	**--**	• There is possibility for fruit drop due to fungal disease during rainy season, to control the fruit drop, clean the sapota tree by removing all diseased and dried branches and apply 1 % bordopaste on the cut portion of tree. Also spray 1% bordomixture on to tree before start of rainy season. Repeat the spray twice at 15-20 days interval. • Due to increase in rate of evaporation, provide irrigation to sapota orchard. • 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.
Poultry	**--**	• 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. Also for reducing the cholesterol content, feed the birds with 1.5% black jeera powder or 0.5% turmeric powder or 1% ginger powder along with feed. • There is possibility of increase in temperature, hence in poultry shed, increase the water pot and provide adequate and clean water for drinking. Also, feed should be given in the morning or evening hours.
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.		