



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
(02358) 282387



No. 41/2020

Date: 22/05/2020

Duration – 5 days

Dr. Prashant Bodake,
Head,
Department of Agronomy
9420413255

Dr. Vijay More,
Nodal Officer,
Department of Agronomy
9422374001

Dr. Shital Yadav,
Technical Officer,
Department of Agronomy
8379901160

Significant past weather for the preceding week (Period –16/05/2020 to 22/05/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 27/05/2020				
16/05	17/05	18/05	19/05	20/05	21/05	22/05		23/05	24/05	25/05	26/05	27/05
0	0	0	0	0	0	0	Rainfall (mm)	10	5	2	5	0
33.0	34.0	34.2	34.0	34.2	33.5	35.4	Maximum temperature (°C)	34	34	35	35	36
25.5	23.0	24.8	25.0	31.5	22.0	24.5	Minimum temperature (°C)	28	28	28	28	28
6	4	4	4	4	4	2	Cloud cover (Octa)	2	2	1	0	1
89	87	83	83	82	86	83	Relative Humidity Max. (%)	92	91	89	90	64
63	57	59	58	58	64	-	Relative Humidity Min. (%)	47	42	41	44	42
3.4	5.6	7.6	7.5	5.9	5.5	5.8	Wind speed (Km/hr)	5	6	6	5	5
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	NW	WNW	WNW	NW	NW
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2020 to till dated				Total Rainfall (mm) in last year				
6.0				8.2				5130.9				

Agro-met Advisory

There is possibility of light rainfall from 23rd to 26th May, 2020 at isolated places and possibility of increase in maximum and minimum temperature and sky remain clear.

Crop	Stage	Agro Advise
Precaution to be taken by farmers due to Covid-19		<ul style="list-style-type: none"> In order to avoid the field level contagious spread of Corona virus, farmers are advised to follow general precautions and safety measures in harvesting, post-harvest operations, storage and marketing of produce
Kharif rice	Land preparation for nursery	<ul style="list-style-type: none"> For land preparation of rice nursery, plough the area add FYM@100 kg per guntha area and bring the soil to fine tilth. 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. Prepare nursery on 4 guntha area to transplant seedlings on one acre area. Recommended seed rate for paddy is 20 to 24 kg acre⁻¹ for bold varieties, 14 to 16 kg acre⁻¹ for fine varieties and 8 kg acre⁻¹ for hybrid varieties. Use seed rate of 32 kg acre⁻¹ for fine varieties and 40 kg acre⁻¹ for bold varieties for cultivation by “Rahu” method.
Finger millet	Land preparation for nursery	<ul style="list-style-type: none"> For land preparation of finger millet nursery, 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 1 acre area.
Mango	Fruiting	<ul style="list-style-type: none"> There is possibility of light rainfall from 23rd to 26th May,2020, hence harvest the mature mango fruits before 10 hours in the morning and after 16 hours in the evening at 80 to 85% maturity. Keep the harvested fruits in shade to prevent development of spongy tissue disease and protect from heat. To prevent incidence of post-harvest diseases such as fruit rot on mango fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Transport of harvested fruits should be done preferably during night hours. Collect and destroy all fruit fly and fruit borer infected fallen fruits regularly and keep mango orchard clean. 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. There is possibility of incidence of Stem borer in mango tree. Grubs tunnels in the sapwood on the trunk and branches and results into wilting of branches or entire tree. Observe the mango orchard regularly for pest infestation. If the incidence is noticed, remove the grubs from the holes and pour solution of Chloropyriphos 20 EC @ 10 ml + 50 ml Kerosene into hole and seal the hole. Due to increase in rate of evaporation, provide irrigation to newly planted mango orchard.
Cashewnut	--	<ul style="list-style-type: none"> Clean cashewnut orchard by removing all diseased and dried branches to maintain good sanitation in orchard. Apply bordopaste on cut portion of tree. There is possibility of incidence of Cashew Stem and Root Borer (CSRB) in Cashewnut

		<p>crop. If the incidence is noticed, remove the grubs from the holes with the help of 15 mm chisel and apply Chloropyriphos 20 EC @ 5 ml per liter of water on the stem (swabbing).</p> <ul style="list-style-type: none"> • Due to increase in rate of evaporation, provide irrigation to newly planted cashewnut orchard.
Coconut	--	<ul style="list-style-type: none"> • To prevent the incidence of bud rot disease on young coconut plant during monsoon season, spray 1% bordomixture onto the crown region of palm. • Due to forecast for increase in temperature and decrease in humidity, provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.
Arecanut	--	<ul style="list-style-type: none"> • Clean the arecanut orchard by removing dry leaves and infected inflorescence to maintain good sanitation in orchard. spray 1 % bordomixture on to crown region. Repeat the spray 3 to 4 time at interval of one month. • Due to forecast for increase in temperature and decrease in humidity, provide irrigation to arecanut orchard at 4-5 days interval also use straw mulch to reduce evaporation losses.
Turmeric	Land preparation and planting	<ul style="list-style-type: none"> • For cultivation of turmeric, prepare land with help of plough and cultivator. mix 10 to 15 tonnes of well decomposed FYM in soil at the time of land preparation. For planting either use ridge and furrow of 75 cm or broadbed furrow of size 90 cm to 1 meter by maintaining 30 cm distance between two plants. Apply 150 kg SSP and 40 kg MOP per acre at the time of planting Use healthy, sprouted, rootless rhizomes for planting. Before planting, treat the rhizomes by dipping 15-20 minutes in solution of quinalphos 25%EC @ 20 ml + Bavistin @ 20 gms in 10 liters of water and dry in shed. Seed rate require is 10 quintal per acre. Plant rhizomes either at field capacity or in impound water.
Cucurbitaceous crops	Land preparation	<ul style="list-style-type: none"> • For cultivation of cucumber, musk melon, snake gourd, ridge gourd, bitter gourd, bottle gourd, pumpkin etc. cucurbitaceous crops select well drain fertile soil. prepare pits of 30 cm x 30 cm x 30 cm size at a spacing of 1.5 m x 1 m.
Vegetable crops	Sowing	<ul style="list-style-type: none"> • If irrigation facility is available then go for sowing nursery of brinjal, chilli and tomato vegetables crops for kharif season. Prepare raised bed of 3 m length x 1 m breadth x 15 cm height. Apply 5 kg FYM, 35 gm urea, 100 gm single super phosphate and 25 gm muriate of potash per sq. m. Treat the seed with thiram fungicide @ 3 gm/kg of seed before sowing. To protect the seedling from wilt disease, drenching of 1% bordomixture 3 to 4 days before sowing on nursery bed is suggested. Cover the beds with paddy straw for germination and irrigate the bed regularly.
Milch animals/Goat	--	<ul style="list-style-type: none"> • Vaccination against Black Quarter disease in farm animals under supervision of veterinary officers is advocated.
Poultry	--	<ul style="list-style-type: none"> • Vaccination against Newcastle disease (Ranikhet) to 4-5 days old chicks under supervision of veterinary officers is advocated.
<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>		