



Agromet Advisory Service Bulletin for Raigad District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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Duration – 5 days

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Significant past weather for the preceding week (Period –07/08/2019 to 13/08/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 18/08/2019				
07/08	08/08	09/08	10/08	11/08	12/08	13/08		14/08	15/08	16/08	17/08	18/08
62.2	37.2	18.4	33.4	18.2	9.2	9.4	Rainfall (mm)	34	39	25	20	18
28.4	28.0	28.2	-	-	-	-	Maximum temperature (°C)	31	30	29	29	29
24.2	25.4	25.5	-	-	-	-	Minimum temperature (°C)	26	25	25	24	24
8	8	8	-	-	-	-	Cloud cover (Octa)	7	8	7	3	4
95	93	87	-	-	-	-	Relative Humidity Max.(%)	93	93	93	93	93
92	90	-	-	-	-	-	Relative Humidity Min. (%)	79	84	83	82	81
6.8	6.3	7.7	-	-	-	-	Wind speed (Km/hr)	8	13	15	12	7
ENE	NE	ENE	-	-	-	-	Wind direction	256	235	221	218	196
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2019 to till dated		Total Rainfall (mm) in last year				
188.0						3472.0		3558.3				

Agro-met Advisory

There is possibility of moderate rainfall from 14th to 18th August, 2019 and wind velocity range on 7 to 15 km/h from 14th to 18th August, 2019.

Extended range rainfall forecast for Konkan division for the period of 9nd to 15th August, 2019 is below normal.

Crop	Stage	Agro Advise
Kharif rice	Tillering	<ul style="list-style-type: none"> Due to intermittent rainfall and cloudy weather condition, there is possibility of incidence of blue beetle and caseworm on low land rice, hence observe crop regularly for infestation of pest. Alter the stagnated water with fresh water after every 2-3 days. Maintain water level of 5 cm in the field. If incidence of blue beetle is noticed on rice crop, spray Quinalphos 25% EC @ 40 ml or Triazophos 40%EC@ 12.5 ml or Lambda cyhalothrin 5%EC @ 5 ml per 10 liter of water. If incidence of rice case worm is noticed on rice crop, then flood the field with water followed by dragging the rope to dislodge the cases and drain out water from field after 1-2 hrs. Collect the cases and destroy then maintain the water level of 5 cm in the field with fresh water. <p>Note: mix stickers in insecticidal solution at the time of spraying.</p> <ul style="list-style-type: none"> Apply second split dose of nitrogeenous fertilizers urea @ 87 kg/ha to rice crop at tillering stage after weeding when intensity of rainfall is low. Maintain the optimum water level of 5cm in the rice field. Due to forecast of moderate to heavy rainfall, there may be intermittent rainfall and cloudy weather condition will cause for incidence of brown plant hopper in lowline area where stagnation of water is observed. hence observe crop regularly for infestation of pest. If incidence of brown plant hopper is observed above threshold level (5-10 hopper/hill), spray Acephate 75%WP @ 2.25 g or Fipronil 5% SC @ 2 ml or Imidacloprid 17.8% SL @ 0.2 ml per liter of water. Make provision for replacing stagnated water with fresh water for every 2-3 days. Precaution should be taken to spray the insecticide on stem of rice plant.
Finger millet	Tillering	<ul style="list-style-type: none"> Apply second split dose of nitrogeenous fertilizers urea @ 87 kg/ha to finger millet at tillering stage after weeding, when intensity of rainfall is low.
Mango	Vegetative	<ul style="list-style-type: none"> Apply paclobutrazol (cultar) for regular flowering in mango trees of 10 years old and above. Measure average diameter of canopy of the tree and apply cultar @ 3 ml per meter diameter (e.g. If east-west diameter of the plant is 5 m and North – South diameter is 7 m then average will be 6 m. So far 6 x 3 = 18 ml. will be the quantity of cultar. This quantity of paclobutrazol be mixed in 3 to 5 litre of water per tree and applied in 25 to 30 holes, 10 to 12 cm deep around the tree basin with help of kudali or crowbar just inside the manuring ring at uniform distance. Then uniform quantity of solution be drenched into holes, followed by closing or plugging of holes with soil. Before application weeds be removed. <p>Note: Apply Paclobutrazol when intensity of rainfall is low.</p>
Cashewnut	Vegetative	<ul style="list-style-type: none"> For above 4-year-old cashewnut tree apply 40 kg FYM, 2 kg urea, 1.5 kg single super phosphate and 500 g muriate of potash per tree by digging circular ring just inside the spread of tree and fill the circular ring with soil after application of fertilizer. Apply 1/4th, 1/2 and 3/4th of abovementioned fertilizers dose per tree for 1,2 and 3-year-old cashew plantation, respectively. <p>Note: Apply fertilizers when the intensity of rainfall is low.</p>
Coconut	Vegetative	<ul style="list-style-type: none"> Give earthing up in newly planted coconut orchard and keep orchard weed free.

		<ul style="list-style-type: none"> • There is possibility of incidence of bud rot disease due to heavy rain, if incidence noticed spray coconut plant with 1% bormixture. • Clean old coconut orchard by removing all dried leaves and other dead waste to maintain good sanitation in orchard. There is possibility of bud rot due to heavy rain, if incidence noticed spray 1% bormixture on to the crown region.
Arecanut	Vegetative	<ul style="list-style-type: none"> • For 3-year-old arecanut palm apply 1st split dose of 10 kg F.Y.M./compost alongwith 12 kg green manures + 160 g urea + 500 g single super phosphate + 125 g muriate of potash per tree by digging circular ring about 1 meter from base of tree and fill the circular ring with soil after application of fertilizer. Apply 1/3rd and 2/3rd of abovementioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively. • For minimizing fruit cracking in arecanut, apply 600g micro nutrients (60 g Boron, 300 g Zinc, 60g Manganese, 120 g Iron and 30g Copper) <p>Note: Apply fertilizers when the intensity of rainfall is low.</p>
Vegetable crops	Vegetative	<ul style="list-style-type: none"> • Install 'Rakshak' trap @ 4 nos. per ha in cucurbitaceous crop when it is in flowering for effective control of fruit fly.
<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>		