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NAVSARI AGRICULTURAL UNIVERSITY

(Jointly issued by Navsari Agricultural University & India Meteorological Department)

Alerts and Warning: Dt. 15/07/2024

As per IMD, Impact based forecast (IBF) for Agriculture for Navsari & Valsad Districts, Gujarat (based on the forecast issued on 15/07/2024)

District Level Forecast and warning issued by MC, Ahemdabad 15/07/2024

15-07-2024 (Day-1)	<ul style="list-style-type: none">• Heavy to very heavy rains at isolated places with isolated extremely heavy falls very likely in the districts of Gujarat region namely Navsari, Valsad and in Daman, Dadra Nagar Haveli.
16-07-2024 (Day-2)	<ul style="list-style-type: none">• Heavy to very heavy rains at isolated places with isolated extremely heavy falls very likely in the districts of Gujarat region namely Navsari, Valsad and in Daman, Dadra Nagar Haveli.
17-07-2024 (Day-3)	<ul style="list-style-type: none">• Heavy to Very Heavy rains very likely at isolated places in the districts of Gujarat region namely Navsari, Valsad and in Daman, Dadra Nagar Haveli.
18-07-2024 (Day-4)	<ul style="list-style-type: none">• Heavy rains very likely at isolated places in the districts of Gujarat region namely Navsari, Valsad and in Daman, Dadra Nagar Haveli.
19-07-2024 (Day-5)	<ul style="list-style-type: none">• Heavy rains very likely at isolated places in the districts of Gujarat region namely Navsari, Valsad and in Daman, Dadra Nagar Haveli.
	<p>Expected Impact with respect to Red colour warning issued for the Districts namely Navsari , Valsad , Daman , Dadra Nagar Haveli.</p> <ul style="list-style-type: none">• Major disruption in traffic in city areas.• Inundation of low lying areas leading to damage to kuchcha houses.• Water logging in underpass in city areas.• It may lead to riverine flooding along, Purna , Ambika , Par River and its catchment areas.• Sudden reduction in visibility during heavy downpour leading to road accidents.• Mainly water logging problem found near wetland and marshy land of urban land rural region. Water logging in agriculture field.• Falling of trees/branches and advertising hoardings in gusty winds.• Damage to horticulture crop, plantation and Kharif crops like rice, mango etc. in the outskirts of the city.• Severe impact on agriculture – loss of livestock and significant loss of crops due to flooding and soil erosion – impact on economy and livelihoods.• Fisheries activities may be hampered severely.• Life threatening, extensive flash flooding of vulnerable areas. <p>Steps to be taken to minimize damages:</p> <ul style="list-style-type: none">• Posponed irrigation, chemical spray and fertilizer application activity and arrange drainage facility to remove excess rain water.• Fisher man is advice not to venture into sea area during this very heavy rainfall time.• Provide mechanical support to horticultural and vegetable crops during forecast of high wind velocity.• Keep animals indoor during the period.• Do not let the animal outside during thunders rains.

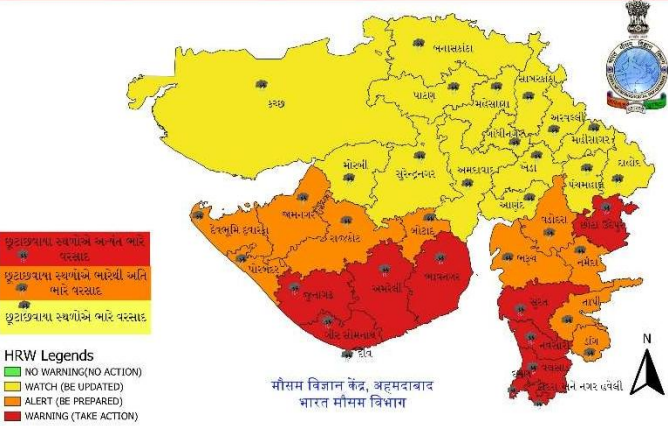
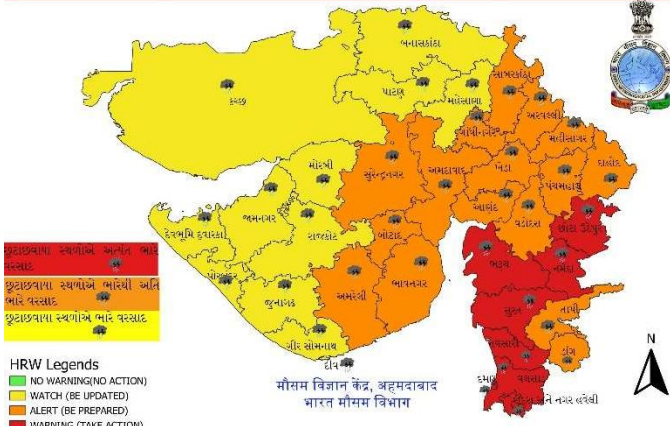
IBF & Agromet Advisories based on the forecast issued on 15/07/2024

District	Crop	Stage	Likely Impact on crop	Advisory
AMFU-Navsari	Rice	Nursery/Transplanting	<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall. 	<ul style="list-style-type: none"> Drain excess rainwater from standing crop fields. Keep nursery weed free. Avoid transplanting paddy until the excess water is drained.
	Sugarcane	Vagetative stage	<ul style="list-style-type: none"> Lodging due to heavy to very heavy rainfall with high wind velocity at grand growth stage stage. 	<ul style="list-style-type: none"> Give mechanical support in sugarcane. Drain excess rainwater from standing crop fields.
	Mango		<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall. 	<ul style="list-style-type: none"> Postpone the spraying of all types of protective chemicals and fertilizer application. Drain excess rainwater from mango orchards. Provide mechanical support to young mango plant.
	Okra	Vagetative stage	<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall. 	<ul style="list-style-type: none"> Postpone the spraying of all types of protective chemicals and fertilizer application. Drain excess rainwater from standing crop fields.
	Tuber Crops family	Vagetative stage	<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall 	<ul style="list-style-type: none"> Postpone the spraying of all types of protective chemicals and fertilizer application. Drain excess rainwater from standing crop fields. Give proper support or train branches of vines.
	Vegetables	Vagetative stage	<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall 	<ul style="list-style-type: none"> Postpone the spraying of all types of protective chemicals and fertilizer application. Drain excess rainwater from standing crop fields.
	Agroforestry	Sowing/Transpalnting	<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall. 	<ul style="list-style-type: none"> Postpone the spraying of all types of protective chemicals and fertilizer application. Drain excess rainwater from fields.
	Livestock		<ul style="list-style-type: none"> Water logging due to heavy to very heavy rainfall. 	<ul style="list-style-type: none"> Don't keep the animal under tree when there is heavy lightning during rain.
	Fisheries			<ul style="list-style-type: none"> Remove excess rain water from the fish pond and maintain the pond level.

HEAVY RAIN FALL WARNING

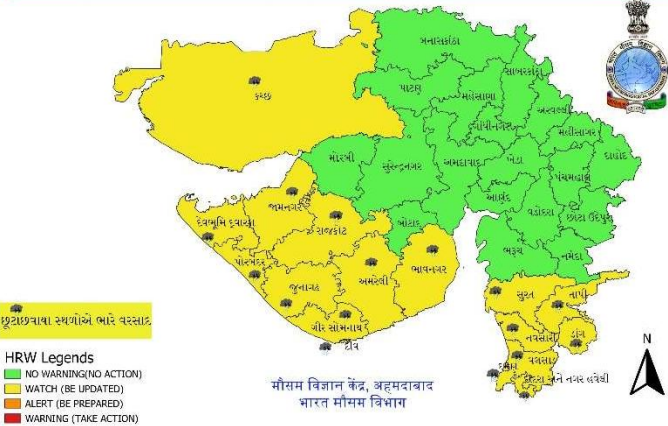
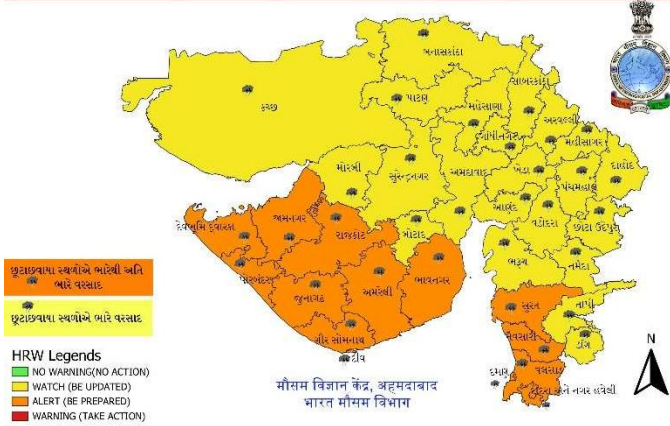
दिवस -1 गुजरात राज्य नी 15-07-2024 माटे 'भारे वरसाट नी येतवाली'

दिवस -2 गुजरात राज्य नी 16-07-2024 माटे 'भारे वरसाट नी येतवाली'



दिवस 3 गुजरात राज्य नी 17-07-2024 माटे 'भारे वरसाट नी येतवाली'

दिवस 4 गुजरात राज्य नी 18-07-2024 माटे 'भारे वरसाट नी येतवाली'



दिवस -5 गुजरात राज्य नी 19-07-2024 माटे 'भारे वरसाट नी येतवाली'

