



NAVSARI AGRICULTURAL UNIVERSITY

# Gramin Krishi Mausam Sewa

Agricultural Meteorological Cell  
Navsari Agricultural University  
Navsari – 396450, Gujarat  
E-mail :- aasnavsari@gmail.com



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

**Alerts and Warning: Dt. 26/07/2024**

**As per IMD, Impact based forecast (IBF) for Agriculture for Navsari & Valsad Districts, Gujarat (based on the forecast issued on 26/07/2024)**

**District Level Forecast and warning issued by MC, Ahemdabad 26/07/2024**

26-07-2024 (Day-1)	<ul style="list-style-type: none"><li>• <b>Heavy to very heavy rains at isolated places with isolated extremely heavy falls very likely in the districts of South Gujarat region namely Navsari and Valsad.</b></li></ul>
27-07-2024 (Day-2)	<ul style="list-style-type: none"><li>• <b>Heavy to very heavy rains very likely at isolated places in the districts of South Gujarat region namely Valsad.</b></li></ul>
28-07-2024 (Day-3)	<ul style="list-style-type: none"><li>• <b>Heavy rains very likely at isolated places in the districts of South Gujarat region namely Navsari.</b></li></ul>
29-07-2024 (Day-4)	<ul style="list-style-type: none"><li>• <b>Heavy to very heavy rains very likely at isolated places in the districts of South Gujarat region namely Valsad.</b></li></ul>
30-07-2024 (Day-5)	<ul style="list-style-type: none"><li>• <b>Heavy rains very likely at isolated places in the districts of South Gujarat region namely Navsari.</b></li></ul>
	<p>Expected Impact with respect to <b>Red colour</b> warning issued for the Districts namely Navsari , Valsad , Daman , Dadra Nagar Haveli.</p> <ul style="list-style-type: none"><li>• Major disruption in traffic in city areas.</li><li>• Inundation of low lying areas leading to damage to kuchcha houses.</li><li>• Water logging in underpass in city areas.</li><li>• It may lead to riverine flooding along, Purna , Ambika , Par River and its catchment areas.</li><li>• Sudden reduction in visibility during heavy downpour leading to road accidents.</li><li>• Mainly water logging problem found near wetland and marshy land of urban land rural region. Water logging in agriculture field.</li><li>• Falling of trees/branches and advertising hoardings in gusty winds.</li><li>• Damage to horticulture crop, plantation and Kharif crops like rice, mango etc. in the outskirts of the city.</li><li>• Severe impact on agriculture – loss of livestock and significant loss of crops due to flooding and soil erosion – impact on economy and livelihoods.</li><li>• Fisheries activities may be hampered severely.</li><li>• Life threatening, extensive flash flooding of vulnerable areas.</li></ul> <p><b>Steps to be taken to minimize damages:</b></p> <ul style="list-style-type: none"><li>• Posponed irrigation, chemical spray and fertilizer application activity and arrange drainage facility to remove excess rain water.</li><li>• Fisher man is advice not to venture into sea area during this very heavy rainfall time.</li><li>• Provide mechanical support to horticultural and vegetable crops during forecast of high wind velocity.</li><li>• Keep animals indoor during the period.</li><li>• Do not let the animal outside during thunders rains.</li></ul>

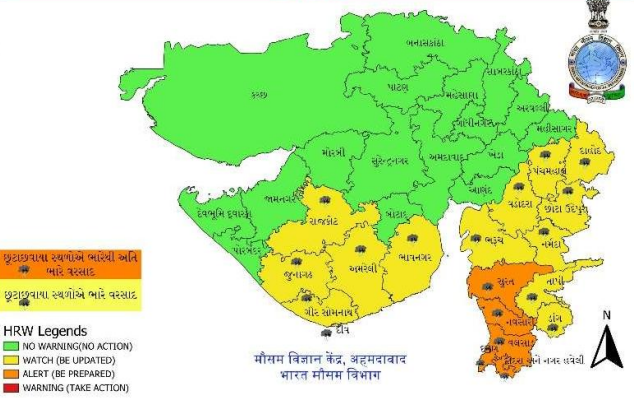
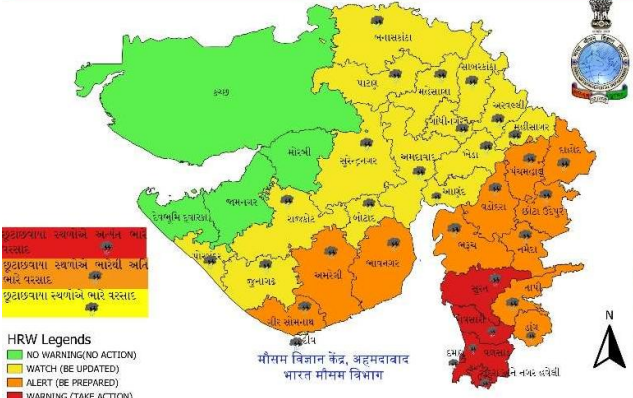
**IBF & Agromet Advisories based on the forecast issued on 26/07/2024**

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

# HEAVY RAIN FALL WARNING

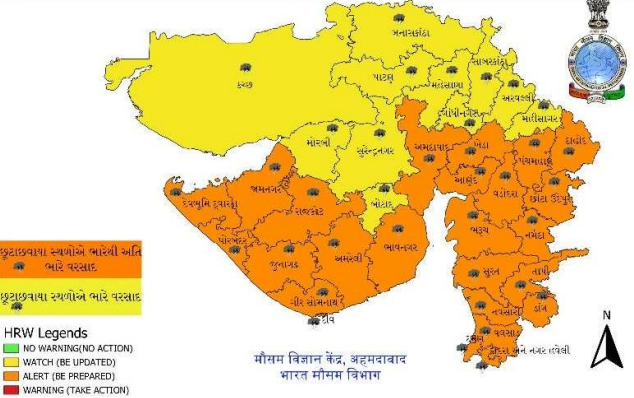
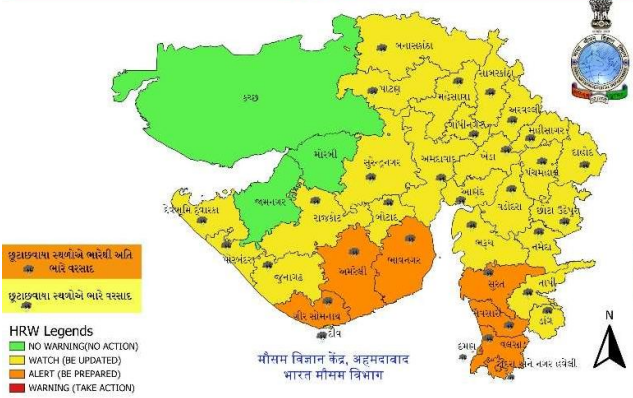
દિવસ -1 ગુજરાત રાજ્ય અને દીવ, દમણ, દાદરા નગર હવેલી ની 26-07-2024 માટે 'ભારે વરસાદ ની ચેતવણી'

દિવસ -2 ગુજરાત રાજ્ય અને દીવ, દમણ દાદરા નગર હવેલી ની 27-07-2024 માટે 'ભારે વરસાદ ની ચેતવણી'



દિવસ 3 ગુજરાત રાજ્ય અને દીવ, દમણ દાદરા નગર હવેલી ની 28-07-2024 માટે 'ભારે વરસાદ ની ચેતવણી'

દિવસ 4 ગુજરાત રાજ્ય અને દીવ, દમણ દાદરા નગર હવેલી ની 29-07-2024 માટે 'ભારે વરસાદ ની ચેતવણી'



દિવસ -5 ગુજરાત રાજ્ય અને દીવ, દમણ દાદરા નગર હવેલી ની 30-07-2024 માટે 'ભારે વરસાદ ની ચેતવણી'

