







<b>ફીશરીઝ</b>	<b>સામાન્ય સલાહ:</b> <ul style="list-style-type: none"> <li>● મીઠા પાણીના મન્દસય મીઠા પાણીના જુંગા ઉત્થાટન કરતા બેડૂલોને જણાવવાનું કે, આ સમયગાળા દરમ્યાન પૂરતી માત્રામાં ખોરાક આપવોકારણ કે આ વાતાવરણ માછલી/મીઠા પાણીના જુંગા માટે અનુકૂળ છે.</li> <li>● તળાવમાં પાણીનું લેવલ જણવવું અને વધુ વરસાઈ આવે ત્યારે તળાવના આઉટલેટ થોડી માત્રામાં ખોલવા તેથી પાણીનું લેવલ જણાવાયેલું રહે.</li> <li>● તળાવના તળિયાનું અને સપાટીનું તાપમાન સરખર કરવા એરેટર અથવા પંખ્ય ચલાવવા.</li> </ul>
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❖ એગ્રોમેટ સલાહકાર સેવા બુલેટિન ડમિટીના સભ્યો :

- ડૉ. એચ. ઐમ. વિર્કીયા, પ્રાદ્યાપક અને વડા (સશ્ય પિજાન)
- ડૉ. એલ. વી. ઘેટીયા, સહ પ્રાદ્યાપક (વનરૂપતિ કીટકશાસ્ત્ર)
- ડૉ. કે. બી. રાણોલીયા, સહ પ્રાદ્યાપક (વનરૂપતિ રોગશાસ્ત્ર) :
- ડૉ. શી. લુ. ઈટવાલા, સંશોધન વૈજ્ઞાનિક (શાકભાજ પિજાન)
- ડૉ. વાય. ઐન. ટેલેલ, સહ પ્રાદ્યાપક (ફળ પિજાન)
- ડૉ. વી. આર. પટેલ, મદદનીશ પ્રાદ્યાપક (પશુપાલન)
- ડૉ. હિલેશ્વર નાયક, મદદનીશ પ્રાદ્યાપક (વનીકરણ)
- ડૉ. ઐમ. આર. પટેલ, મદદનીશ પ્રાદ્યાપક (ફીશરીઝ સાયન્સ)
- ડૉ. વિલા ટાક, વીસર્ચ એલોર્ચિયેટ (લુ.કે.એમ.એસ.)
- ડૉ. પી. કે. પરમાર, મદદનીશ પ્રાદ્યાપક (દૃષ્ટિ હવામાનશાસ્ત્ર) અને પ્રિન્સપાલ નોડલ ઓફિસર (લુ.કે.એમ.એસ.)


**NAVSARI AGRICULTURAL UNIVERSITY**  
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NAVSARI AGRICULTURAL UNIVERSITY

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## Agromet Advisory Bulletin No: 38/2023 - 2024

### -- Navsari District --

**Weather summary of preceding week 08 August to 11 August - 2023**

Sr. No.	Name of Weather Parameters	Value
1.	Range of Rainfall (mm)	0.0-3.0
2.	Range of Maximum Temperature (°C)	30.2-31.0
3.	Range of Minimum Temperature (°C)	25.0-26.5
4.	Range of Relative Humidity (%)	75-90
5.	Range of Wind Speed (km/hr)	5.3-10.7
6.	Range of Cloud Cover (Okta)	7-8
7.	Range of bright sunshine hours (hrs)	0.0-2.6
8.	Last five days cumulative rainfall (mm)	3.0
<b>Total Rainfall (mm)</b>		<b>1463.0</b>

**IMD based Weather forecast for 12 August to 16 August - 2023**

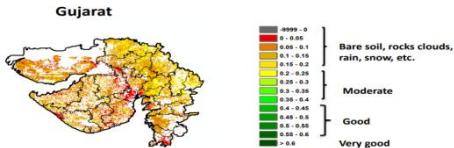
Sr. No.	Weathers Parameters	Day - 1 (12/08)	Day - 2 (13/08)	Day - 3 (14/08)	Day - 4 (15/08)	Day - 5 (16/08)
1.	Rainfall (mm)	10	7	6	6	5
2.	Maximum temperature (°C)	31	31	31	30	31
3.	Minimum Temperature (°C)	25	25	25	25	24
4.	Max. Relative Humidity (%)	87	87	87	87	88
5.	Min. Relative Humidity (%)	77	77	78	75	80
6.	Wind Speed (km/hr.)	22	26	28	28	20
7.	Wind Direction (Compass point)	248	248	212	243	248
8.	Total Cloud Cover (Okta)	7	8	8	6	5

<b>Weather Summary/ Alert</b>	<ul style="list-style-type: none"> <li>As per IMD weather forecasts over the next five days, the sky will be cloudy and there are chances of light rainfall at isolated places.</li> <li>The Maximum temperature is 30 °C to 31 °C, when the Minimum temperature is 24 °C to 25 °C likely to be around.</li> <li>The humidity in the air is likely to be between 75 and 88 percent.</li> <li>The wind direction will be West with an average speed of 20 to 28 km/h.</li> <li>As per Extended range forecast, possibility of normal rainfall and maximum and minimum temperature likely to normal up to 22<sup>nd</sup> August, 2023.</li> </ul>
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**-:: South Gujarat Heavy Rainfall Zone ::-**

<b>General Advisory</b>	<ul style="list-style-type: none"> <li>Wind speed is high &gt;15 kmph, so avoid spraying of pesticide.</li> <li>Provide mechanical support to horticultural and vegetable crops during forecast of high wind velocity and heavy rain.</li> <li>Drains out excess rain water from fields.</li> <li>Farmers are advised to carry out different activities of farm as per the weather condition.</li> <li>Farmers are advised to do the chemical spray and fertilizer application activity as per the weather condition</li> <li>Download the MEGHDOOT mobile application for Agromet Advisory Services and information on weather forecasting, which will provide weather based agricultural advice to farmers for their location, crops and livestock in their local language. Click on the following link to download the MEGHDOOT application: Android users: <a href="https://play.google.com/store/apps/details?id=com.aas.meghdoott">https://play.google.com/store/apps/details?id=com.aas.meghdoott</a> IOS users:<a href="https://apps.apple.com/in/app/meghdoott/id1474048155">https://apps.apple.com/in/app/meghdoott/id1474048155</a></li> </ul>
	<ul style="list-style-type: none"> <li>Download the DAMINI Mobile application to ensure the safety through monitoring sky lightning activity. It will provide the alert and detail description of instruction, precaution, Do and Don't. Click on the following link to download the DAMINI application. Android users: <a href="https://play.google.com/store/apps/details?id=com.lightening.live.damini">https://play.google.com/store/apps/details?id=com.lightening.live.damini</a> IOS users:<a href="https://apps.apple.com/app/id1502385645">https://apps.apple.com/app/id1502385645</a></li> </ul>

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 31  
(30.07.2023 to 05.08.2023) over Agricultural region



Agriculture vigour is moderate over isolated places over Gujarat state. It could not be captured over Saurashtra and Kutch due to cloud cover / rainfall.

Crop	Weather based Agro-Advisory
<b>Sugarcane</b>	<ul style="list-style-type: none"> <li>After 6, 7 &amp; 8 month of planting remove dry leaves and use it as mulch.</li> <li>Prop the canes with strong bamboos or by tying together the canes in clump to protect against high wind speed and rain.</li> <li>In seed plot add Nitrogen (50 kg/ha.) Before one month of seed cutting.</li> </ul>
<b>Kharif Paddy</b>	<p><b>Vegetative stage:</b></p> <ul style="list-style-type: none"> <li>Keep 2-3 cm standing water in field during vegetative growth.</li> <li>Apply split dose of Nitrogen fertilizer as per recommendation. i.e. 1st dose at 20-25 days after transplanting - 40 kg N/ ha and 2nd dose at 40-45 days after transplanting - 20 kg/ha.</li> <li>Drain the water from field one day before application of fertilizer.</li> <li>Keep field weed free by hand weeding and interculturing with paddy weeder upto 45 days after transplanting.</li> <li>If leaf Blast observed in nursery, spraying of <i>Propiconazole</i> 1ml/lit or <i>Tricyclozole</i> 1gm/lit in water under clear weather condition.</li> </ul>
<b>Okra</b>	<ul style="list-style-type: none"> <li>Special care should be taken that enough water should be supplied during the period of harvesting.</li> <li>Spraying of <i>Propargite</i> 57 EC @ 20 ml./10 Lit. or <i>Fenazaquin</i> 10 EC @ 10 ml./10 Lit. of water for red Spider Mite during clear weather condition.</li> <li>Spraying of <i>Hexaconozole</i> 5 EC @ 10 ml. or <i>Carbendazim</i> 50 WP 5 g. per 10 Lit. of water for control of leaf spot disease under clear weather condition.</li> </ul>
<b>Brinjal</b>	<ul style="list-style-type: none"> <li>Sowing of seeds in the nursery for the field planting in September.</li> </ul>
<b>Tomato</b>	<ul style="list-style-type: none"> <li>Sowing of seeds in the nursery for the field planting in September.</li> </ul>
<b>Chilli</b>	<ul style="list-style-type: none"> <li>Sowing of seeds in the nursery for the field planting in September.</li> </ul>
<b>Pointed gourd</b>	<ul style="list-style-type: none"> <li>Harvesting should be carried out as per maturity.</li> </ul>

<b>Little gourd</b>	<ul style="list-style-type: none"> <li>• Harvesting should be carried out as per maturity.</li> </ul>
<b>Elephant foot yam</b>	<ul style="list-style-type: none"> <li>• Take measures for weed control.</li> </ul>
<b>Greater yam</b>	<ul style="list-style-type: none"> <li>• Take measures for weed control.</li> </ul>
<b>Tannia</b>	<ul style="list-style-type: none"> <li>• Take measures for weed control.</li> </ul>
<b>Mango</b>	<p><b>General Advise :</b></p> <ul style="list-style-type: none"> <li>• Procure healthy and disease free planting material from authorized and government nursery for the new plantation.</li> <li>• Provide support to the young plants of mango to protect against rain and high wind speed.</li> <li>• Do drenching of <i>Paclobutrazol</i> 5 g a.i. (Cultar 20 ml. per 10 lit.) per tree in the first week of August to get early flowering in mango of more than 30 years old orchard.</li> <li>• Die back disease: Pruning of infected branches, apply 10 % Bordeaux paste and spraying <i>Carbendazim</i> 50 wp, 10gm/10 lit water.</li> </ul>
<b>Sapota</b>	<p><b>General Advise :</b></p> <ul style="list-style-type: none"> <li>• Apply second split of 25% of RDF (Ammonium Sulphate -1.3 kg or Urea 0.6 kg, SSP 0.8 kg and MOP 0.3 kg + FYM 25 kg each tree) in clear weather condition.</li> </ul>
<b>Livestock</b>	<p><b>General Advise :</b></p> <ul style="list-style-type: none"> <li>• Provide adequate quantity of balanced ration by considering the milk production and maintenance.</li> <li>• All the livestock should provided with good quality of mineral mixture, for that dose rate are as per the prescription label on the packing or as guided by veterinary doctor.</li> <li>• Good quality dry roughage with 15-20 kg green fodder provided to the animals, only after chaffing.</li> <li>• Feed silage &amp; hay materials if available.</li> <li>• Before and after milking udder must be properly clean with zinc oxide or boric powder or potassium permanganate solutions.</li> <li>• For the control of tick and other parasites, spray Deltemethrin or Aemitaz 2 ml in 1 liter of water.</li> <li>• Height of animal shed should keep minimum 10 feet for aeration to maintain the floor dry and to control humidity.</li> <li>• Young calves should be offered with approximate 500 ml. of Colostrums within half an hour of calving. Thereafter for next 15 days, milk should be offered at the amount of 1/10th of body weight in a day.</li> <li>• For the control of tock and other parasites, spray Deltemethrin or Aemitaz 2 ml in 1 liter of water.</li> <li>• In rainy season, give sufficient slop on the floor of animal shed to avoid water logging.</li> <li>• Height of animal shed should keep minimum 10 feet for aeration to maintain the floor dry and to control humidity.</li> <li>• Don't keep the animal under tree when there is heavy lightning during rain.</li> </ul>
<b>Forestry</b>	<p><b>Plantations :</b></p> <ul style="list-style-type: none"> <li>• Weeding and cleaning should be done during first and second year plantations.</li> <li>• For new plantation pits must be prepared.</li> </ul>
<b>Fisheries</b>	<p><b>General Advise:</b></p> <ul style="list-style-type: none"> <li>• Fresh water farmers give proper feed in fish/prawn farming for better growth rate because environment condition is very suitable.</li> <li>• Increase water depth and maintain water level through pond outlet.</li> <li>• Mixing the top and bottom water by using the aerators or pumps.</li> </ul>

❖ **Members of Agro-Advisory Committee :**

- Dr. H. M. Viradia, Professor & Head (Agronomy)
- Dr. L. V. Ghetiya, Associate Professor (Entomology)
- Dr. K. B. Rakholiya, Associate Professor (Plant Pathology):
- Dr. C. G. Intwala, Research Scientist (Vegetable Science)

- Dr. Y. N. Tandel, Associate Professor (Fruit Science)
- Dr. V. R. Patel, Assistant Professor (Animal Husbandry)
- Dr. Dileswar Nayak, Assistant Professor (Forestry)
- Dr. M. R. Patel, Assistant Professor (Fisheries Science)
- Dr. Vibha Tak, Research Associate(GKMS)
- Dr. P. K. Parmar, Assistant Professor (Agricultural Meteorology and Principal Nodal Officer (GKMS))



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## છવામાન આગાહી

વિગત	તારીખ	ડાંગ	નવસારી	વલસાડ
વરસાદ (મી.મી)	૧૨/૦૮/૨૦૨૩	૧૦	૧૦	૧૫
	૧૩/૦૮/૨૦૨૩	૭	૭	૬
	૧૪/૦૮/૨૦૨૩	૬	૬	૬
	૧૫/૦૮/૨૦૨૩	૬	૬	૬
	૧૬/૦૮/૨૦૨૩	૫	૫	૫
મહત્તમ તાપમાન (ઘે.સે)	૧૨/૦૮/૨૦૨૩	૩૧	૩૧	૩૧
	૧૩/૦૮/૨૦૨૩	૩૧	૩૧	૩૧
	૧૪/૦૮/૨૦૨૩	૩૧	૩૧	૩૧
	૧૫/૦૮/૨૦૨૩	૩૦	૩૦	૩૦
	૧૬/૦૮/૨૦૨૩	૩૧	૩૧	૩૧
લધુતમ તાપમાન (ઘે.સે)	૧૨/૦૮/૨૦૨૩	૨૫	૨૫	૨૫
	૧૩/૦૮/૨૦૨૩	૨૫	૨૫	૨૫
	૧૪/૦૮/૨૦૨૩	૨૫	૨૫	૨૫
	૧૫/૦૮/૨૦૨૩	૨૫	૨૫	૨૫
	૧૬/૦૮/૨૦૨૩	૨૪	૨૪	૨૪
મહત્તમ બેજ (%)	૧૨/૦૮/૨૦૨૩	૮૩	૮૭	૮૮
	૧૩/૦૮/૨૦૨૩	૮૨	૮૭	૮૮
	૧૪/૦૮/૨૦૨૩	૮૧	૮૭	૮૮
	૧૫/૦૮/૨૦૨૩	૮૩	૮૭	૮૮
	૧૬/૦૮/૨૦૨૩	૮૪	૮૮	૮૮
લધુતમ બેજ (%)	૧૨/૦૮/૨૦૨૩	૭૨	૭૭	૭૨
	૧૩/૦૮/૨૦૨૩	૭૯	૭૭	૭૪
	૧૪/૦૮/૨૦૨૩	૮૧	૭૮	૭૬
	૧૫/૦૮/૨૦૨૩	૭૦	૭૫	૭૩
	૧૬/૦૮/૨૦૨૩	૭૨	૮૦	૭૫
પવનની ગતિ(કિ.મી./કલાક)	૧૨/૦૮/૨૦૨૩	૧૮	૨૨	૨૦
	૧૩/૦૮/૨૦૨૩	૨૪	૨૬	૨૩
	૧૪/૦૮/૨૦૨૩	૨૫	૨૮	૨૫
	૧૫/૦૮/૨૦૨૩	૨૪	૨૮	૨૫
	૧૬/૦૮/૨૦૨૩	૧૯	૨૦	૧૮
પવનની દિશા (કમ્પાસ પોઇન્ટ)	૧૨/૦૮/૨૦૨૩	W	W	W
	૧૩/૦૮/૨૦૨૩	W	W	W
	૧૪/૦૮/૨૦૨૩	W	SW	SW
	૧૫/૦૮/૨૦૨૩	W	SW	SW
	૧૬/૦૮/૨૦૨૩	SW	W	SW
વાદળની રીથતિ (ઓકટા)	૧૨/૦૮/૨૦૨૩	૬	૭	૬
	૧૩/૦૮/૨૦૨૩	૮	૮	૮
	૧૪/૦૮/૨૦૨૩	૮	૮	૮
	૧૫/૦૮/૨૦૨૩	૫	૬	૫
	૧૬/૦૮/૨૦૨૩	૩	૫	૪

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