Performance of the 2021/2022 Rainfall Season

Meteorological Services Department
Seasonal Forecast

• Gives guidance on the total rainfall amounts expected/likely for a given time period
  • Sub-season (OND, JFM)
  • Seasonal (October – March)
    • Example of a container holding a certain known volume/amount

• It does not tell you the rate at which the container will be filled but gives guidance that it will hold a certain amount (normal/usual)
  • Daily, 7 day forecast (to compliment the seasonal forecast – distribution)

• The normal rainfall in relation to the areas will be different (Beitbridge vs Chisengu/Mukandi)

Normal to above normal rainfall for both sub-seasons OND, JFM
For OND we received normal to above normal rains in the southern parts of the country. In the northern parts of the country, which cover the Matabeleland, Mashonalands, northern parts of Manicaland and Midlands below normal rains were received (<75% of the long-term average of those areas)
The influence of the Inter-Tropical Convergence Zone ITCZ resulted in moisture over the Northern Parts of the country. This moisture field was further enhanced by a cloud band that drifted in from Botswana.
2. WEATHER REVIEW FOR THE PERIOD TUESDAY 01 TILL MONDAY 07 FEBRUARY 2022

Figure 2.1: Accumulated Rainfall for this week.
**Figure 3.1:** Accumulated rainfall as from 01 October 2021 to 22 February 2022.

**Figure 3.2:** Percentage of normal map for rainfall received from 01 October 2021 to 22 February 2022.
Precipitation (mm) during the period:

Tue, 08 MAR 2022 at 00Z
-to-
Wed, 16 MAR 2022 at 00Z

Wed, 16 MAR 2022 at 00Z
-to-
Thu, 24 MAR 2022 at 00Z
Precipitation (% of normal) during the first period:

Tue, 08 MAR 2022 at 00Z

-to-

Wed, 16 MAR 2022 at 00Z

Precipitation forecasts from the National Centers for Environmental Prediction. Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003. Forecast Initialization Time: 00Z08MAR2022
<table>
<thead>
<tr>
<th>Province</th>
<th>Agro-weather forecast</th>
<th>Rainfall range (mm/10 days)</th>
<th>Wind Direction &amp; wind speed (knots)</th>
<th>Relative Humidity (%)</th>
<th>Min/Max Temp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mashonaland Central</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>NE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Mashonaland East</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>NE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Mashonaland West</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>NE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Harare</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>NE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Midlands</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>SE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Manicaland</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>SE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Masvingo</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>SE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Matabeleland North</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>NW'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Matabeleland South</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>SE'ly to NE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
<tr>
<td>Bulawayo</td>
<td>Partly cloudy with light rain. Should be hot.</td>
<td>5-20 mm</td>
<td>SE'ly to NE'ly</td>
<td>50 – 100%</td>
<td>15-30</td>
</tr>
</tbody>
</table>
Upcoming events

• Validation workshop for the strategic and action plan for the national framework for weather and climate services 22, 24 March
  • Documents put together by a Consultant (ZRBF)

• World Meteorological Day 23 March 2022
  • 2022: Early warning and early action. Hydrometeorological and climate information for Disaster Risk Reduction

Commemorations
Posters
TV and Radio discussions and documentaries around the theme