JMA issues volcanic forecasts and warnings to mitigate volcanic disasters. Volcanic warnings are issued with area categories of near the crater and residential areas.

### Volcanic Warnings/Forecasts for volcanoes where Volcanic Alert Levels are not applied.

<table>
<thead>
<tr>
<th>Abbreviated Term</th>
<th>Target area</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning</td>
<td>Residential areas</td>
<td>Warnings in residential areas and non-residential areas near the crater</td>
</tr>
<tr>
<td>Near-crater</td>
<td>Non-residential areas near the crater</td>
<td>Warnings in non-residential areas near the crater</td>
</tr>
<tr>
<td>Warning</td>
<td>Around the crater</td>
<td>Warnings around the crater</td>
</tr>
<tr>
<td>Forecast</td>
<td>Inside the crater</td>
<td>Calm (normal conditions)</td>
</tr>
</tbody>
</table>

*Designated areas are described in literature such as regional disaster prevention plans.

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### Tips for dealing with volcanic disasters

- Examine volcanic hazard maps and be aware of the danger zones for each alert level.
- Check evacuation locations beforehand.
- Call the municipal office, police or weather station immediately if you notice abnormal volcano-related phenomena.
- Pay attention to volcanic warnings/forecasts issued by JMA.
- Evacuate from dangerous zones as quickly as possible if an eruption is imminent.
- Follow orders issued by municipalities.
- Protect yourself from falling ash deposits by hiding behind a large rock or in a reinforced building.
- Evacuate from the path of pyroclastic flows or moving debris.
- Make trekking plans in consideration of areas where toxic gases and steam may be present.

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Volcanic Alert Levels are classified into five levels in terms of the target area and action to be taken, and these are described as action summary keywords.

- Clear action summary descriptions enable residents to take quick and appropriate action against disasters.
- Warnings are issued to residential areas when levels are 4 or 5.
- Near-crater Warnings are issued to areas around the crater when levels are 2, and to non-residential areas near the crater when levels are 3.

*Designated areas are described in literature such as regional disaster prevention plans.

Volcanic Warnings are issued in relation to expected volcanic disasters, and detail the names of the affected areas.

- To residential areas* Volcanic Warning (to residential areas) (abbreviated to Warning)
- To non-residential areas near the crater* Around the crater Volcanic Warning (near the crater) (abbreviated to Near-crater Warning)

Dissemination of Volcanic Warnings

Volcanic Warnings are issued to residents through the media, prefectural offices and local municipalities.

<table>
<thead>
<tr>
<th>Abbreviated Term</th>
<th>Target area</th>
<th>Levels &amp; Keyword</th>
<th>Expected volcanic activity</th>
<th>Action to be taken by inhabitants*¹</th>
<th>Action to be taken by climbers*¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning</td>
<td>Residential areas</td>
<td>Evacuate</td>
<td>Eruption that may cause serious damage in residential areas, or imminent eruption.</td>
<td>Evacuate from the danger zone. (Target areas and evacuation measures are determined in line with current volcanic activity.)</td>
<td></td>
</tr>
<tr>
<td>Near-crater Warning</td>
<td>Non-residential areas near the crater</td>
<td>Do not approach the volcano</td>
<td>Eruption or possibility of eruption that may severely affect places near residential areas (threat to life is possible in these areas).</td>
<td>Stand by, paying attention to changes in volcanic activity. Let disabled persons prepare to evacuate in line with current volcanic activity.</td>
<td>Refrain from entering the danger zone. (Target areas are determined in line with current volcanic activity.)</td>
</tr>
<tr>
<td>Forecast</td>
<td>Inside the crater</td>
<td>Normal</td>
<td>Calm: Volcanic ash emissions or other related phenomena may occur in the crater (threat to life is possible in these areas).</td>
<td>Stay as usual.</td>
<td>No restrictions. (In some cases, it may be necessary to refrain from approaching the crater.)</td>
</tr>
</tbody>
</table>

*Designated areas are described in literature such as regional disaster prevention plans.