







What is 'Impact-based Heat Wave Forecasting'?

The Korea Meteorological Administration (KMA) provides impact-based heat wave forecasts to prevent damage caused by heat waves. Impact-based heat wave forecasts predict the **expected impact of heat waves in different sectors**, as well as responses depending on the impact and sector.





Areas

The KMA provides impact-based heat wave forecasting information for **six main areas** affected by heat waves.

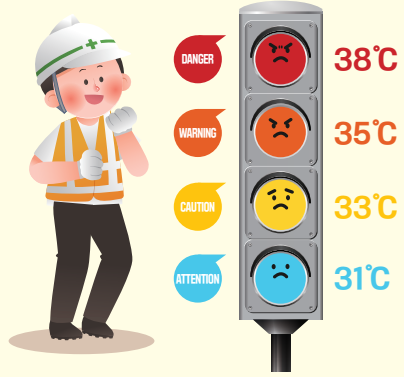
 Health (General, the vulnerable groups)	 Industry	 Livestock
 Agriculture	 Aquaculture	 Others (Traffic, Fire, Blackout)

Risk Levels

The risks of heat waves are categorized into **four color-coded levels**.

Risk Levels	Criteria
	Daily life may be affected but some impacts are likely to be on the vulnerable groups.
 Heat Wave Watch	Low level damage is expected to occur in some parts of the affected area.
 Heat Wave Warning	Noticeable damage is expected to occur in many parts of the affected area. The impacts are expected to last for a short period of time.
 Heat Wave Warning	Damage is expected to occur in most parts of the affected area and severe damage may occur in some parts. The impacts are expected to last for a long period of time.

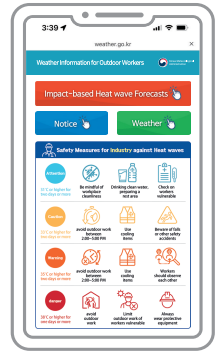
For a Safe Summer Check the heat Wave Risk Level



An impact-based heat wave forecast is issued at 11:30 a.m. when the impact of heat waves is expected to be **at the attention-level or above in the health sector on the following day**.

Weather Information for Outdoor Workers

Visit the [Weather Information for Outdoor Workers](#) webpage to check impact-based heat wave forecasts and other weather information



QR Code for Weather Information for Outdoor Workers



KMA Weather App

The **KMA Weather App** sends you push notifications of impact-based heat wave forecasts. Download the KMA Weather App now!



Android



iOS



For Outdoor Workers

Impact-based Heat Wave Forecasts by Industry



How to cope in a heat wave!

Check weather information such as impact-based heat wave forecasts.

Impact-based heat wave forecasts (for the industry sector) offers information such as levels of risk and countermeasures to workers vulnerable to heat-related illnesses.

Criteria for Impact-based Heat Wave Forecasts for Industry

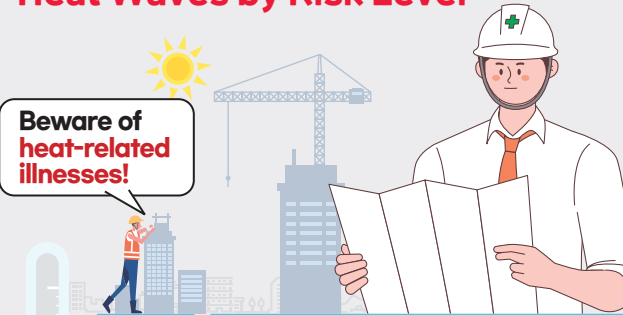
Risk Levels	Criteria (The highest apparent temperature)
ATTENTION	31°C or higher for two days or more
CAUTION (Heat Wave Watch)	33°C or higher for two days or more
WARNING (Heat Wave Warning)	35°C or higher for two days or more
DANGER (Heat Wave Warning)	38°C or higher for one day or more

* Apparent temperature: The temperature equivalent perceived by people, caused by the combined effects of air temperature, relative humidity and wind speed.

Remember the three things to avoid heat-related illnesses: Water, Shade and Rest!

- Provide cool and clean **water**
- Prepare **shade** (rest areas) near the work area
- When a special heat wave statement is issued, take a **rest** for at least 10–15 minutes every hour, and avoid doing outdoor work during the hottest parts of the day from 2 p.m. to 5 p.m.

Safety Measures for Industry against Heat Waves by Risk Level



Risk Level	Safety Measures
ATTENTION	<ul style="list-style-type: none"> Post safety tips and provide safety education to prevent heat-related illnesses. Provide adequate amount of cool and clean water, as well as access to shade to take a rest. Check on workers vulnerable to heat-related illnesses, and identify and divide heavy work activities in advance.
CAUTION	<ul style="list-style-type: none"> Provide cool and clean water for workers, and allow them to rest in shade for 10 minutes every hour. Give longer rest periods to workers who are vulnerable to heat-related illnesses or who do heavy work activities. Reduce or adjust outdoor work hours between 2p.m. and 5p.m. Use cooling items such as cooling vest or ice packs when working outdoors. Always wear safety helmets, safety belts and other personal protective equipment even in hot weather. Beware of falls or other safety accidents because of difficulty concentrating. Workers should observe each other for signs of heat-related illnesses and take emergency measures if necessary.

Risk Level	Safety Measures
WARNING	<ul style="list-style-type: none"> Provide cool and clean water for workers, and allow them to rest in shade for 15 minutes every hour. Give longer rest periods to workers who are vulnerable to heat-related illnesses or who do heavy work activities. Avoid outdoor work between 2 p.m. and 5 p.m. and, if unavoidable, take enough rest to cool down. Use cooling items such as cooling vest or ice packs when working outdoors. Limit outdoor work of workers vulnerable to heat-related illnesses such as heat stroke. Always wear safety helmets, safety belts and other personal protective equipment even in hot weather. Beware of falls or other safety accidents because of difficulty concentrating. Workers should observe each other for signs of heat-related illnesses and take emergency measures if necessary.
DANGER	<ul style="list-style-type: none"> Provide cool and clean water for workers, and allow them to rest in shade for 15 minutes every hour. Give longer rest periods to workers who are vulnerable to heat-related illnesses or who do heavy work activities. Stop all outdoor work between 2 p.m. and 5 p.m. except for emergency measures for disasters or safety accidents. If outdoor work is unavoidable, take enough rest. Use cooling items such as cooling vest or ice packs when working outdoors. Limit outdoor work of workers vulnerable to heat-related illnesses such as heat stroke. Always wear safety helmets, safety belts and other personal protective equipment even in hot weather. Beware of falls or other safety accidents because of difficulty concentrating. Workers should observe each other for signs of heat-related illnesses and take emergency measures if necessary.

* The above information is based on the actions taken by heat wave stage in the 'Guide to Three Basic Rules to Prevent Heat Stroke during a Heat Wave published by the Ministry of Employment and Labor.