

KEY FACTORS IN CANNABIS FOGGING

“... proper growing conditions lead to healthy cannabis plants and a higher yield...” //

A Changing Industry

The legal landscape is evolving rapidly for the cannabis industry. While the industry adapts to change, there is a genuine positive shift in the resources available to growers. One example is the adaptation of processes and technologies previously reserved for commercial-scale horticultural production to cannabis grow operations, like greenhouse innovations. Greenhouses are already becoming more important in the global agricultural economy. As technology advances, greenhouses are producing crops faster and more efficiently than traditional farming methods. There are clear advantages of temperature, light, humidity, and carbon dioxide control in greenhouses over traditional farming methods. Greenhouse crops are grown with fewer weather complications and screen, green and nethouses are often able to reduce the amount of chemical inputs in pesticide strategies, meeting growing market demands.

Cannabis Growing Conditions

Proper growing conditions lead to healthy cannabis plants and a higher yield, which translates to more revenue. Despite the benefits of indoor growing, greenhouses and growing facilities have their own set of complications like managing temperature and humidity levels. Too much heat can cause heat stress in cannabis plants resulting in spotting or burning. Low humidity levels can create environments ripe for spider mites. Koolfog lowers temperature and induces humidity into growing environments helping maintain optimum conditions.

TEMP RELATED ISSUES IN CANNABIS

Heat can **cause stress** in cannabis plants resulting in spotting or burning.

Low humidity levels can create environments ripe for spider mites.

Eggs Spider mites Eggs

Koolfog lowers temperature and induces humidity into environments maintaining **optimum grow conditions.**

HUMIDITY TEMPERATURE

How It Works

The process is this. Operating at pressures of 1000 psi+ Koolfog produces micron-sized water droplets that, while evaporating and turning to vapor, remove heat from the air, cooling the surrounding area. The fog produced by a Koolfog system reduces temperatures and adds humidity to precise levels. The system can be designed for small or single compartment cannabis growing facilities, screenhouses and shadehouses or can be designed for larger-scale operations with multiple zones. Our control systems allow growers to output fog at constant pressure levels, pulse output, or output using variable pressure control and staging providing for total control of microclimate environments within a cannabis facility.

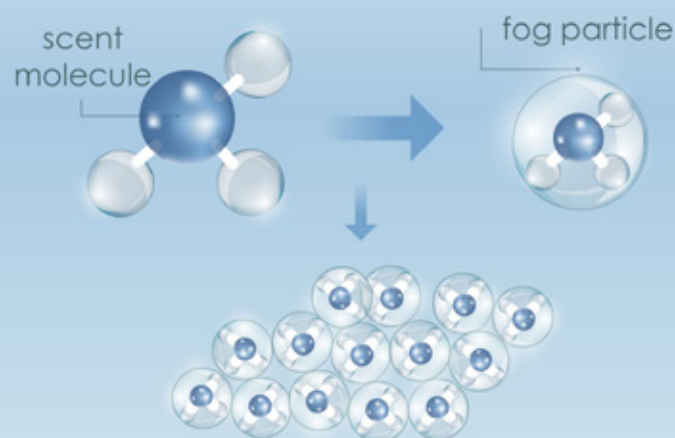
Cannabis Odor Control

The evolving legal status of cannabis grow facilities has also brought with it more scrutiny and regulation such as enactment and enforcement of odor-control ordinances. The majority of states that allow cannabis growers to operate on a larger scale have created legislation that prevents growers from venting untreated air from growing facilities. Cannabis releases a particularly powerful aroma, especially during harvest time and in processing, which can affect neighboring businesses and citizens. This is where Koolfog steps in.

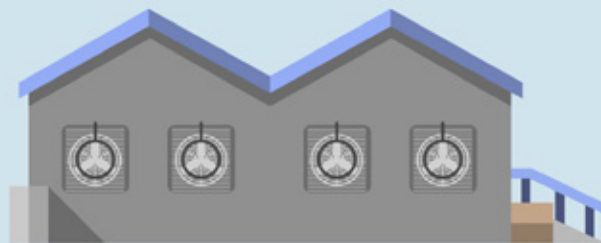
Koolfog's Cannabis Odor Control System delivers a powerful eco-friendly odor neutralizer that is emitted on the exhaust side of a grow facility, trapping and neutralizing scents. The concentration of the odor neutralizer as well as the release frequency can be customized to site requirements and may be integrated to greenhouse and/or facility management systems.



Cannabis releases a **powerful aroma** especially during harvest time and in processing.



Koolfog traps and neutralizes the odors as air exits the growing facility.



This **avoids costly penalties** and fines as a result of odor control legislation.

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