

# 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 cannabis. While the industry adapts to change, there is a positive shift in the resources becoming available to growers. One example is the adaptation of processes and technologies, previously reserved for commercial-scale horticultural production, being applied to cannabis grow operations such as automated greenhouses and indoor cultivation facilities.

These are becoming more important in the global agricultural economy. As technology advances, greenhouses and indoor cultivation spaces are producing crops faster and more efficiently than traditional farming methods.

There are clear advantages to temperature, light, humidity, odor, and carbon dioxide control in greenhouses and indoor facilities, when compared to traditional outdoor farming methods. Greenhouse and indoor cultivation crops are grown with fewer weather complications and are often able to reduce the amount of chemical inputs in pesticide strategies,

## Cannabis Growing Conditions

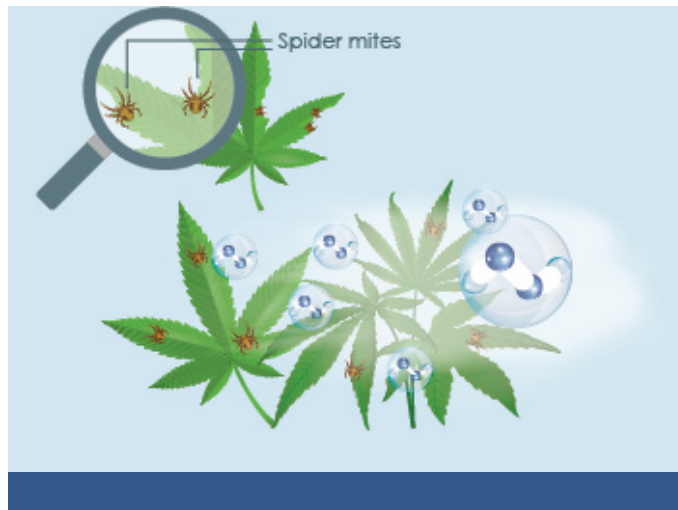
Proper growing conditions lead to healthy cannabis plants and higher yields, which translates to more revenue. Despite the benefits of utilizing greenhouses and indoor growing spaces, these facilities have their own set of needs; from humidity, temperature and odor control, to sanitation and pest management solutions.



Hot temperatures can cause heat stress in cannabis plants, resulting in spotting or burning. Low humidity levels can create environments ripe for spider mites. Venting untreated cannabis odor can result in fines and facility shutdowns. Microbiological contaminants and foreign pests can wipe out an entire crop.

## Cannabis Pest Management

Unwanted pests can be disastrous. IPM agents such as commonly used hydrogen peroxide-based additives or various essential oil blends, can be accurately measured and directly infused into Koolfog's high-pressure fogging system on a precise and automated schedule, allowing for complete garden coverage.

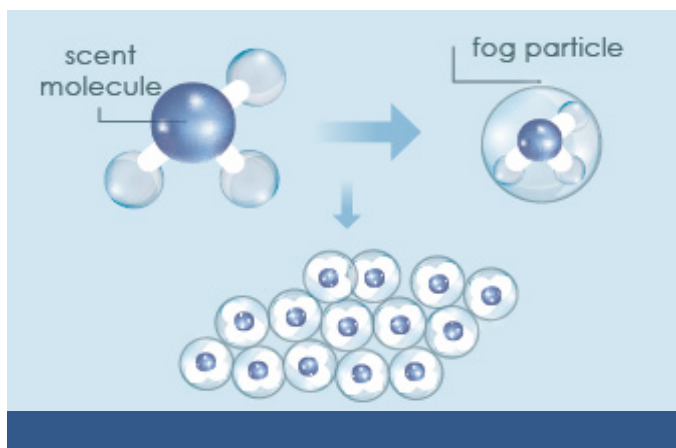


## Sanitation

Certain microbial life forms pose various risks to plant and human health. The elimination of mold and mildew in particular, is essential. Safe and effective sanitation agents can be employed with Koolfog's high-pressure fogging system, completely penetrating a flowering canopy or covering hallways and employee common areas, reaching into the furthest crevices.

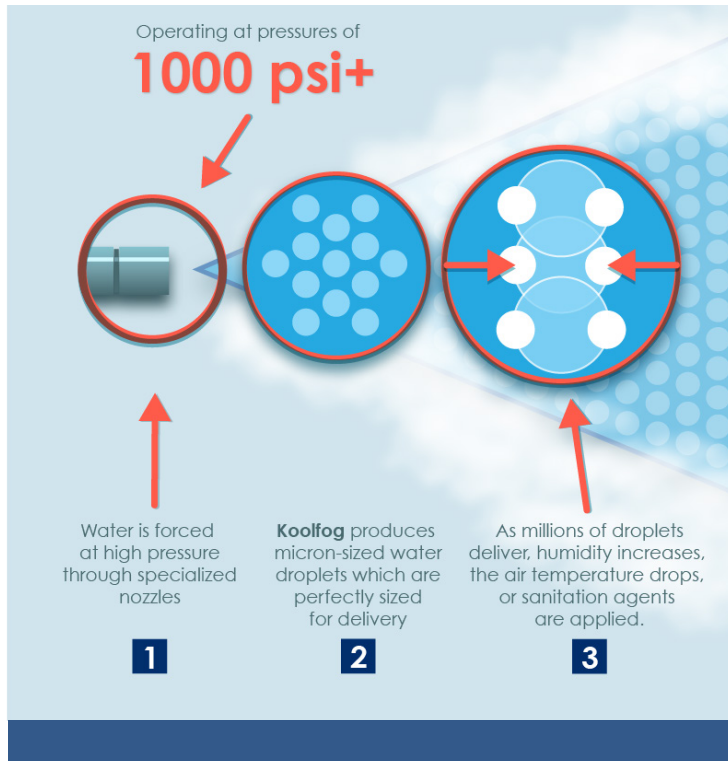
## Cannabis Odor Control

Controlling cannabis odor is an ongoing challenge. For many facilities, this is a costly and time-consuming endeavor. Using Koolfog's high-pressure fogging system with the addition of natural odor neutralizers, can trap and dismantle cannabis odors. The concentration of the odor neutralizer, as well as the release frequency, is customized to site requirements and can be automatically delivered where it is needed.



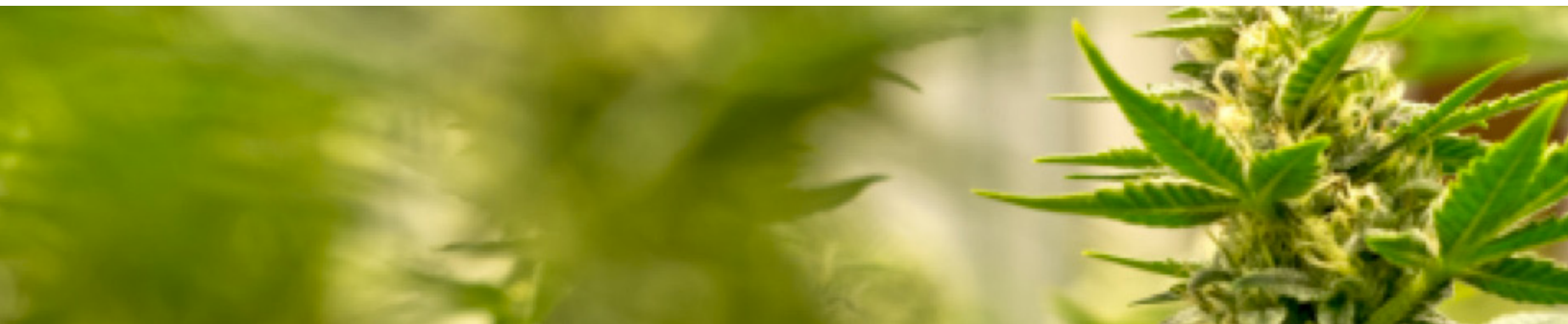
## How It Works

The process is this. Operating at pressures of 1000 psi+ Koolfog's high-pressure fogging technology produces micron-sized water droplets that instantly evaporate, removing heat from the air and cooling the surrounding area. This system reduces temperatures and adds humidity to precise levels, with the capability of administering sanitation agents, odor neutralizers, and pest management solutions into the fog itself.



Every Koolfog high-pressure cannabis fogging system is custom designed to meet the needs of the individual facility and may be fully integrated with automated operations management systems. Koolfog systems are completely scalable and can be engineered zone by zone for screenhouses, greenhouses, and indoor cultivation facilities of all shapes and sizes.

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.



Koolfog Headquarters

(760) 321-9203

31290 Plantation Drive

Thousand Palms, California 92276

By [koolfog.com](http://koolfog.com)