

# Why is fogging important?

To create an ideal growing climate in the greenhouse involves finding the perfect balance of temperature and humidity.

When the humidity levels are low, photosynthesis (the process used by plants to harness energy from sunlight into chemical energy) is slowed or even stopped altogether. Stressful environments are preventable by creating a setting where plants can exchange moisture, oxygen and carbon dioxide.



Plants flourish with the right level of humidity due to their pores being entirely open, leading them to breathe deeply with no threat of excessive water loss.

Fogging systems have been proven to be beneficial to baby plants, micro plants and vegetative plants as they prefer exposure to humidity.

# How can a high-pressure fogging system help you?

Fogging systems are an immediate fix and will affect the humidity levels straight away. It immediately releases microscopic droplets that are small enough to stay suspended in the air while heat from the air is being evaporated and extracted, thus cooling the air. The system helps create healthy plants while reducing the risk of fungus, wilting and insects.

# Will the high-pressure fogging systems fit your greenhouse?

Most fogging systems are designed to fit most greenhouse structures. Fog nozzles are spaced evenly above plants throughout the greenhouse. The fog then assists the greenhouse by exchanging the outside air that has entered through the side-wall ventilators.

# How can you take full advantage of your high-pressure fogging system?

The high-pressure fogging system can be paired with two separate tools so that you can create the ideal environment. The options are to use a misting system.

Misting systems will help you increase and control the humidity, so your plants will receive the moisture it needs. The system has proved to produce favorable and consistent conditions throughout the year. You can prevent disasters such as overheating the greenhouse; however, an issue you may have is large droplets falling and damaging your crops. Fluctuating humidity and temperature levels can result in damaged plants. When the relative humidity levels drop below 30% plants can stop growing.

The design of the misting system includes nozzles that are attached to the ceiling or structure of the greenhouse with a tube which is pressurized to release a subtle spray over your crop. The system minimizes plant stress and increases germination and growth rates.

## What are the benefits of the fogging system?

not all plants need to be fogged. It all depends on the crop and the environment.

A fogging system can help:

- reduce your energy consumption
- provide a cost-effective solution
- maintain an environment suitable for your crops
- prevent a slow growth rate caused by unfavorable climate conditions
- reduce water consumption and produce an excellent crop quality