

EXL Foggers

Cooling and humidifying for vines and fruit trees



EXL Foggers

The EXL Series low-flow foggers operate at a pressure range of 35 to 80 PSI (2.5 to 5.5 BAR), producing micro-sized droplets which evaporate quickly, leading to cooling conditions that reduce air temperature surrounding leaves and fruits.

High heat can damage both fruit and foliage, and key physiological processes such as photosynthesis are compromised when temperatures start reaching higher degrees. With the increasing severity and duration of heat waves during the summer, the use of foggers to cool fruits and vines can help lower tree canopy and fruit skin temperatures, improving fruit and vine quality.

Application

- Cooling and humidifying for vines and fruit trees

Features

- Supports optimal cooling conditions by reducing leaf and fruit skin temperatures
- Incorporates a vortex design that swirls water droplets into a fine mist; the higher the pressure, the smaller the droplets
- Influences canopy and foliage by decreasing temperature by up to 20°F
- Produces a misting droplet size of 50 to 100 microns (100 m at 50 PSI)
- Available with three flow rates and color-coded interchangeable nozzles
- Manufactured from superior, durable plastics with UV protection for extended life operation



EXL Foggers

Cooling and humidifying for vines and fruit trees

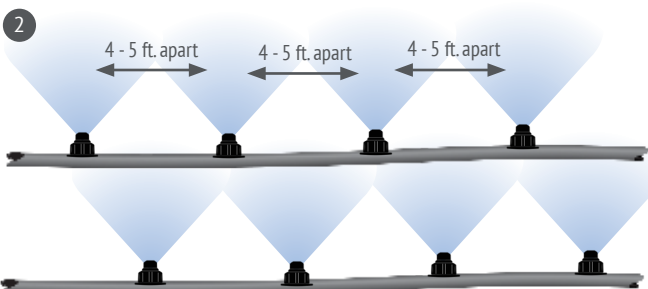
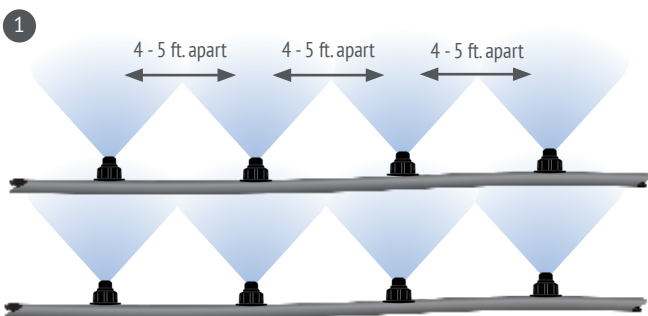
Specifications

- Flow rate: 1, 1.5, & 2 GPH (3.8, 5.7, & 7.6 L/H)
- Operating pressure: 35 to 80 PSI (2.4 to 5.5 BAR)
- Nominal flow rate at 50 PSI (3.5 BAR)
- Pattern: 360°
- Recommended spacing: approximately 4' - 5' apart (1.2 to 1.5 m)
- Installation mounting: above tree canopy in an upright position
- Trajectory angle: approximately 70°
- Average droplet size: 50-100 microns
- Inlet size: 1/4" (4 mm) barb, 10-32 thread or press-fit bases
- Body color: black or tan
- Materials: high-impact plastic
- Filter requirements: flow up to 1.5 GPH (6 L/H) requires a minimum of 200 mesh (80 microns); 2 GPH (8 L/H) and up requires 155 mesh (100 microns)



Spacing Layout

Recommended spacing for the fogger heads is 4' to 5' (1.2 to 1.5 m) apart with total flow per acre of 18 to 24 GPM (68 to 91 L/M), depending on flow rate and spacing, for total misting blanket coverage and better cooling effect with lower light transmission.



Flow rate, diameter, & PSI

| Nozzle color | Black | Green | Brown |
|------------------|-------|-------|-------|
| Nozzle size (in) | 0.013 | 0.02 | 0.025 |
| Flow rate (GPH) | 1 | 1.5 | 2 |
| Diameter (ft) | 2.5 | 3.5 | 3.5 |
| Misting angle | 70° | 70° | 70° |
| 30 PSI | 0.85 | 1.26 | 1.58 |
| 35 PSI | 0.91 | 1.36 | 1.68 |
| 40 PSI | 0.98 | 1.49 | 1.83 |
| 45 PSI | 1.04 | 1.52 | 1.91 |
| 50 PSI | 1.07 | 1.58 | 2.02 |
| 55 PSI | 1.14 | 1.64 | 2.09 |
| 60 PSI | 1.17 | 1.71 | 2.18 |
| 65 PSI | 1.2 | 1.74 | 2.26 |
| 70 PSI | 1.26 | 1.82 | 2.31 |

How to specify

| Model | Description |
|----------------------------|---|
| EXL fogger with tan body | |
| 07-045 | EXL fogger w/ barb, 1 GPH, black nozzle |
| 07-046 | EXL fogger w/ barb, 1.5 GPH, green nozzle |
| 07-052 | EXL Fogger w/ barb, 2 GPH, brown nozzle |
| 07-048 | EXL fogger w/ 10-32 thread, 1 GPH, black nozzle |
| 07-058 | EXL fogger w/ 10-32 thread, 1.5 GPH, green nozzle |
| 07-053 | EXL fogger w/ 10-32 thread, 2 GPH, brown nozzle |
| EXL fogger with black body | |
| 50-500-13 | EXL fogger w/ barb, 1 GPH, black nozzle |
| 50-500-20 | EXL fogger w/ barb, 1.5 GPH, green nozzle |
| 50-500-25 | EXL fogger w/ barb, 2 GPH, brown nozzle |
| 50-501-13 | EXL fogger w/ press-fit, 1 GPH, black nozzle |
| 50-501-20 | EXL fogger w/ press-fit, 1.5 GPH, green nozzle |
| 50-501-25 | EXL fogger w/ press-fit, 2 GPH, brown nozzle |