

THERMAL FOGGER MACHINES FOR RADIATION FROST PROTECTION



Frost Protection



Model : SM600
Type : Portable Thermal Fogger
Capacity : 0~3 Hectares
Fuel Tank : 40 minutes (1Lt. / 40min.)
Fog Tank : 20 minutes (5Lt. / 20min.)
Engine : Pulse Jet Engine

One tank fog capacity 3 hectares
 Machine can run non stop for 8 hours
 Harmless, 0 toxic residue



Model : SM700
Type : Thermal Fogger
Capacity : 10~20 Hectares
Fuel Tank : 2 Hours (10Lt. / 2Hr.)
Fog Tank : 1 Hours (60Lt. / 1Hr.)
Engine : Pulse Jet Engine

One tank fog capacity 20 hectares
 Machine can run non stop for 8 hours
 Harmless, 0 toxic residue



Model : ULTRA FOGGER
Type : Thermal Fogger
Capacity : 40~50 Hectares
Fuel Tank : 4 Hours (5Lt. / 4Hr.)
Fog Tank : 2 Hours (200Lt. / 2Hr.)
Engine : Piston Engine

One tank fog capacity 40 hectares
 Machine can run non stop for 8 hours
 Harmless, 0 toxic residue



01 2 YEARS WARRANTY



03 ARTIFICIAL CLOUD



05 SOLD IN 80+ COUNTRIES



02 A MARKET LEADER SINCE 35+ YEARS

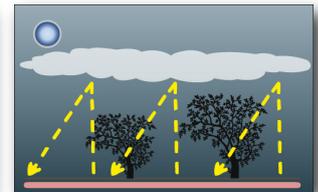
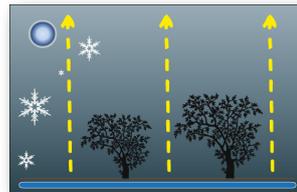


04 ANTI-FREEZE EFFECT



06 CE CERTIFICATE, ISO 9001

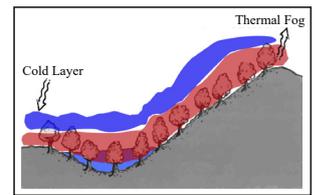
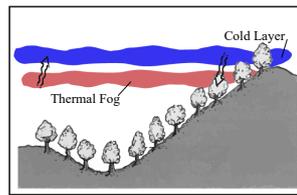
● Artificial cloud technology, through creating a three-dimensional covering method, protects the plant against radiation damage that occurs in clear and windless weather. It preserves the existing temperature of the ground and ensures that the radiation energy is reflected back to the earth.
(Fog's reflective effect)



● The sprayed artificial cloud is the vapor form of oil liquid. The oil liquid (fog) blends into the water molecules that show a tendency to crystallize and freeze. Hence, fog increases the resistance against the cold.
(Anti-Freeze effect)



● Cold air mass causes an inversion, and is heavier than the atmosphere, thus tends to collapse towards the earth. On the other hand, the sprayed artificial cloud's mass is lighter than the one of atmosphere, and shows a tendency to rise upwards. The artificial cloud prevents the cold air layer from settling onto the ground.
(Mass effect in Physics)



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THERMAL FOGGER MACHINES FOR RADIATION FROST PROTECTION



Frost Protection

SM 600 Thermal Fogger
Portable Thermal Fogger Machine



SM 700 Thermal Fogger
Vehicle Mounted Thermal Fogger Machine



ULTRA FOGGER Thermal Fogger
Vehicle Mounted Thermal Fogger Machine



- The frost type, causing the most yield damage in agricultural production, is the radiation frost. Flower seeds exposed to low temperatures below zero in a cloudless and windless atmosphere get burned. As a result, the frozen, damaged ovary cannot produce new seeds and crops for at least a year.
- Thermal fogging machine is the most efficient and cost-effective solution to fight against plant frost. Vegetable glycerin oil or SR thermal fogger oil sprayed from the machine, in a vaporized cloud form, increases the resistance to cold weather and prevents the frost. Thermal foggers are easily portable with hand or on a vehicle, depending on the model type.
- Thermal foggers can also be used in Pest Control, if insecticide or fungicide is added into the oil.




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