

TIFA 100E

Power Fogging Machine



Mesin Power Fogging yang boleh membuat semburan kawalan nyamuk sebanyak 25 kali ganda berbanding mesin fogging yang biasa

Fogging Machine x 25 unit
30 minit = 4 Liter x 25 unit = 100 Liter
60 minit = 8 Liter x 25 unit = 200 Liter

Tifa 100E Machine x 1 unit
60 minit = 200 Liter



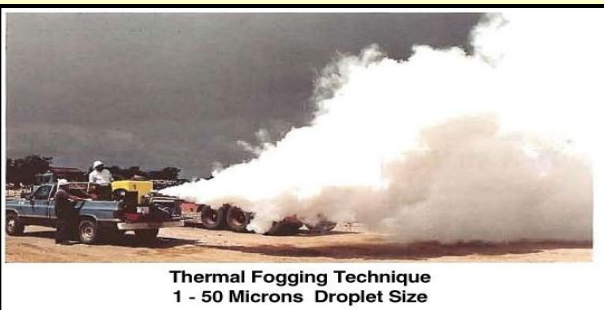
18hp V-twin 4 cycles Engin untuk mencapai kelajuan yang mencukupi



Sistem Rotary Blower yang lebih kuat untuk pecahan saiz racun semburan yang lebih berkesan berbanding sistem blower yang lain



Reka cipta 1 nozzle adalah untuk tekanan udara tertumpu bagi mendapat jarak semburan yang lebih jauh & pecahan racun yang lebih berkesan



Thermal Fogging Technique
1 - 50 Microns Droplet Size

Satu-satunya mesin yang boleh membuat semburan kawalan nyamuk yang lebih dari 8 tingkat dari darat dan sesuai untuk bandar yang penuh dengan bangunan yang tinggi



Syarikat Perniagaan Kemuncak (Since 1984)
No. 43, Jalan Meranti Jaya 12, Meranti Jaya Industrial Park, 47120 Puchong, Selangor.
Tel. : 03-8061 8346 H/P : 012-369 4346 Fax : 03-8060 1180
Email : kemuncak56@gmail.com Website : www.syarikatkemuncak.com.my

YOUR PREFERRED CHOICE FOR THE MOST EFFECTIVE VECTOR CONTROL PROGRAM TO TREAT UP TO 2500 ACRES PER DAY

TECHNICAL SPECIFICATIONS OF TIFA POWER FOGGER MODEL 100E

A Machine Beyond Compare!



TIFA MODEL 100E FOGGING MACHINE

1. Unit is operated by 18 HP gasoline, 4-cycle, v-twin cylinder air cooled internal combustion engine.
2. Unit is equipped with finely machined heavy duty turbine blower to produce air up to 200 km/hr to fully protect the active ingredient of pesticide from any degradation or burning up.
3. The fog head, made of cast iron, attached to the machine has mobility of 360 degrees horizontally and vertically and all the internal parts of the fog head are stainless steel.
4. A remote control device is available to run the machine from the inside of a vehicles cab.
5. 12 volt dry car battery is equipped with the machine for independent operation.
6. Five major spraying techniques are effectively produced. see back page.
7. Machine is equipped with a particle size selector valve which controls both the droplet size and flow rate (1-55 gal/hr) (3.78 - 200 lit/hr).
8. Machine is equipped with a fuel pump, insecticide pump, two pressure gauges, pyrometer and tachometer a heavy duty metal fuel gauge and hour meter as well as ammeter which are located on the panel board.
9. An insulated fog hose, clamp and bracket are available and can be connected to the machine for sewer treatments and indoor application.
10. A formulation suction and return manifold line can be inserted into a variety of chemical tanks ranging in capacities from 5 gallons to 500 gallons (20 liters to 2,000 liters) or more.
11. Fuel tank capacity is 16 gallons (60 liters).
12. Dimensions of the unit are length 35" (87.5cm) x width 33" (82.5cm) x height 39" (97.5cm). Net weight of unit empty 575.5 pounds (261kg).

Tifa Worldwide Ltd.

50 Division Avenue
Millington, NJ 07946 USA

Tel: 908-647-4570

Fax: 908-647-2517 / 908-647-7338

WWW.TIFAUSA.COM OR WWW.TIFAUK.COM



Syarikat Perniagaan Kemuncak
(000640840-P)

No. 43, Jalan Meranti Jaya 12,
Meranti Jaya Industrial Park,
47120 Puchong, Selangor.

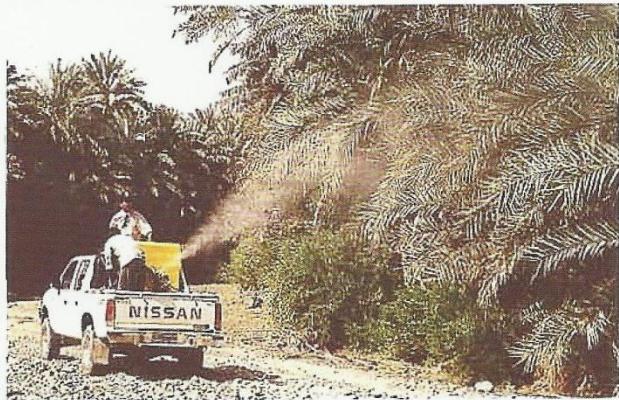
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TIFA MODEL 100E MULTI-PURPOSE POWER FOGGING MACHINE

FIVE SPRAYING TECHNIQUES EFFECTIVELY PRODUCED FROM ONE MACHINE



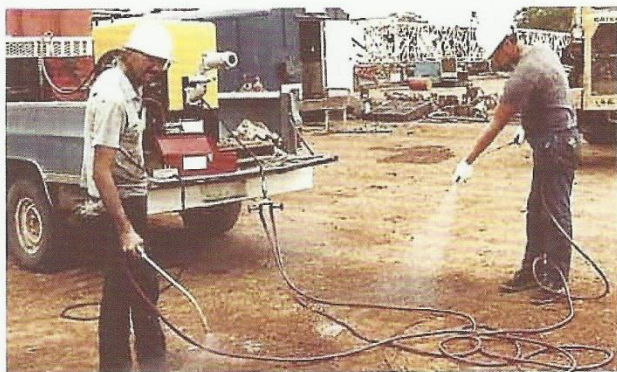
Cold Fogging/Aerosol Technique
20 - 200 Microns Droplet Size



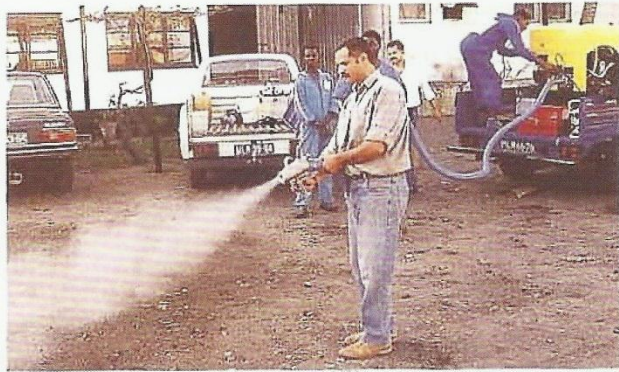
Ultra Low Volume (ULV) Technique
10 - 150 Microns Droplet Size



Thermal Fogging Technique
1 - 50 Microns Droplet Size



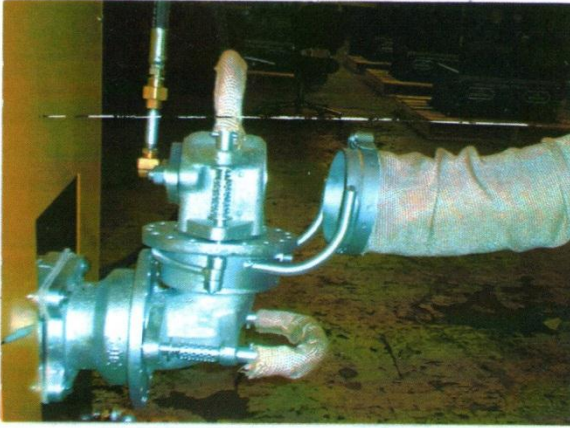
Larvaciding/Residual Spraying Technique
100 - 300 Microns Droplet Size



Conventional/High Volume Spraying Technique
100 - 500 Microns Droplet Size

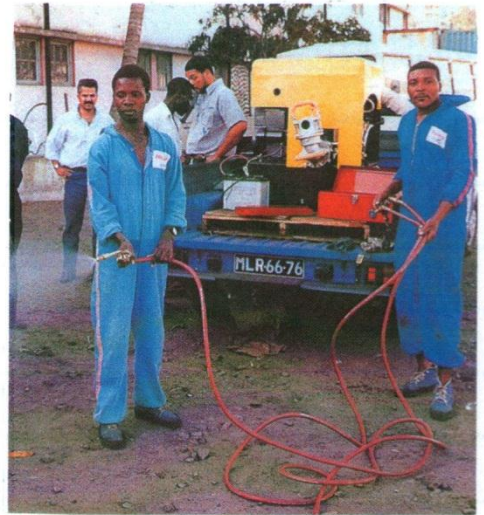
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TRAINING PROGRAMS ★ ★ ★

TIFA ACCESSORIES

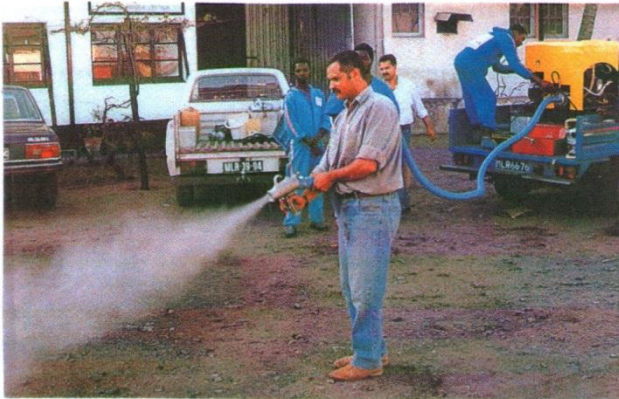


#8600 - 10 FT. INSULATED FOG HOSE, CLAMP & BRACKET

#8606 - 10 FT. INSULATED FOG HOSE



#8602 - TWIN SPRAY LANCE



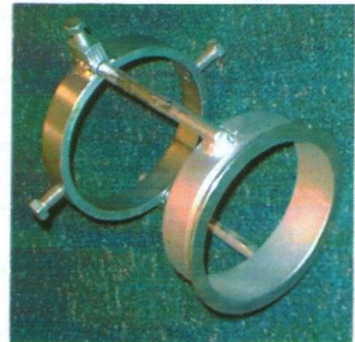
#8601 - AACS - AIR ATOMIZED COLD SPRAY



#8605 - FOG HOSE BRACKET FOR FOG HEAD TYPE "R"



#8603 - CLAMP FOR FOG HOSE



#8604 - FOG HOSE BRACKET FOR FOG HEAD TYPE "S"

TIFA INTERNATIONAL, LLC
 (Headquarters)
 50 Division Avenue
 Millington, New Jersey 07946 USA
 Phone: 908-647-4570
 Fax: 908-647-2517/908-647-7338
www.tifausa.com



TIFA WORLDWIDE LTD
 Chainhurst Farm
 Hunton Road
 Marden, Kent TN12 9SX, England
 Phone: +44 (0) 1634 201811
 Fax: +44 (0) 1634 201822
www.tifauk.com

FOR RESIDUAL AND LARVACIDING TREATMENT

Disconnect the BLACK Formulation Hose (P/N 8312) from the Fog Head (P/N 7800) and connect it to the Twin Spray Lance Accessory (P/N 8601), as per Illustration No. 2-B on page 9. Set the Particle Size Selector Valve (P/N 8405) on the proper position based on the desired larvacide Flow Rate. Each Spray Nozzle Lance can be used to spray separately. Set the Fog Valve (P/N 8406) on the Fog Position and turn on Fog Switch (P/N 8413) on the Remote Control Device (P/N 8200). Squeeze the Nozzle Trigger hard to allow the formulation to be applied on the area to be treated. **NEVER TURN THE BURNER ON WHILE THE MACHINE IS RUNNING FOR ANY SPRAYING APPLICATION TECHNIQUE OTHER THAN THERMAL FOGGING.**

TO SHUT DOWN THE MACHINE FOLLOW THE PROCEDURES IN SECTION IV.

FOR CONVENTIONAL AND HIGH VOLUME SPRAY

Remove the Fog Head (P/N 7800) and replace it with the Air Atomized Cold Spray (AACS) Accessory (P/N 8601) base. Make sure the Fog Valve (P/N 8406) is in the FOG position and Fog Switch (P/N 8413) on the Remote Control Device (P/N 8200) is set at the ON Position **NEVER TURN THE BURNER ON WHILE THE MACHINE IS RUNNING FOR ANY SPRAYING APPLICATION TECHNIQUE OTHER THAN THERMAL FOGGING.**

At the end of the day, make sure to Clean up the machine, as mentioned before, wipe off all the dirt and residual pesticide from the Cowling, Panel Board, Fog Head, Engine, Burner, Blower etc. After the machine has cooled off, remove the Suction Return Manifold from the Formulation Tank. When the machine has cooled down, put the Yellow Cover over the machine and store the machine inside. **NEVER KEEP THE MACHINE STORED WITHOUT THE YELLOW COVER ON OR STORE OUTDOORS.**

TIFA MODEL 100E FLOW RATE TABLE AND SPECTRUM OF PARTICLE SIZE PRODUCED

(Volume Mean Diameter (V.M.D. in Microns) at Different Particle Size Selector Valve Settings)

<u>Particle Size Selector Valve Setting</u>	<u>Formulation Pressure</u>	<u>Liters/Hour</u>	<u>Gallons/Hour</u>	<u>Spectrum of Particle Size</u>
1	50	17.56	4.64	1- 5 micron
2	50	41.03	10.84	5-15 micron
3	50	87.81	23.02	10-20 micron
6	50	123.13	32.53	15.25 micron
8	50	140.73	37.18	20-30 micron
10	50	151.40	40.00	25-35 micron
12	50	161.24	42.60	30-40 micron
14	50	175.93	46.48	35-45 micron
16	50	190.94	50.34	40-50 micron
18	50	211.09	55.77	45-55 micron

*Results obtained after reducing the speed of the engine from 2650 RPM to 2400 RPM.