



# ATV Fogger



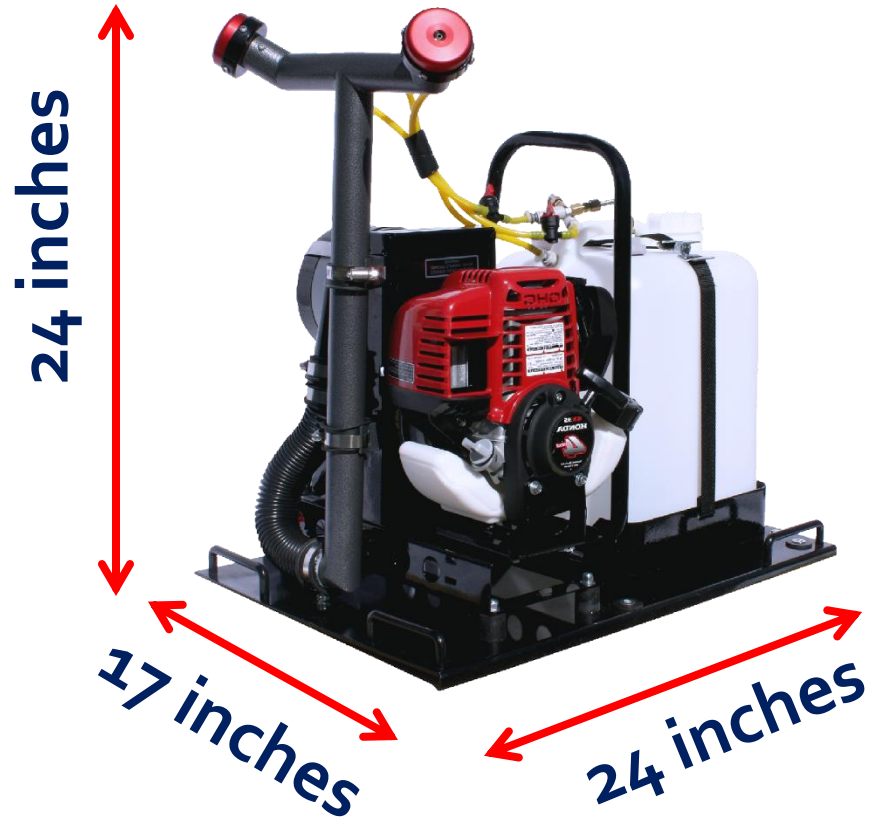
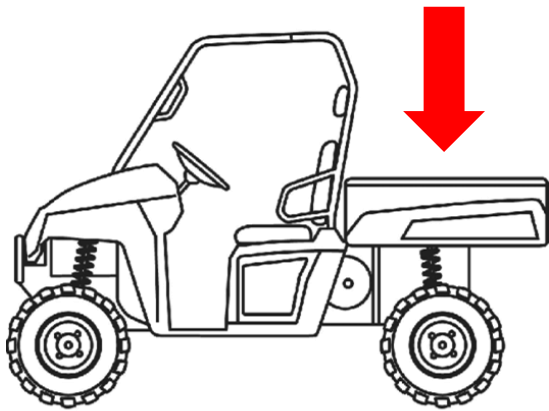
# Ready-to-Use

ULV fogger for  
mosquito control  
in small areas



# Size and Shape

- Designed for a **ATV / UTV**



# Performance

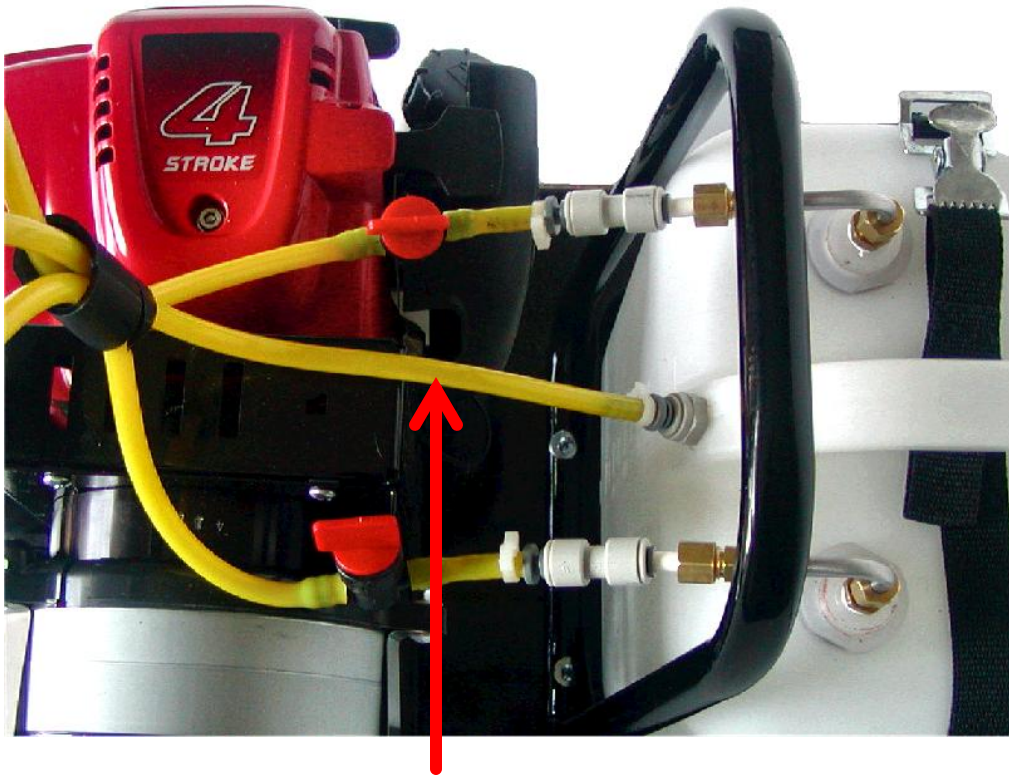
**2 ULV** nozzles for wide coverage

**5 gallon** formulation tank

**Started and tested**  
before shipping



# Formulation Tank



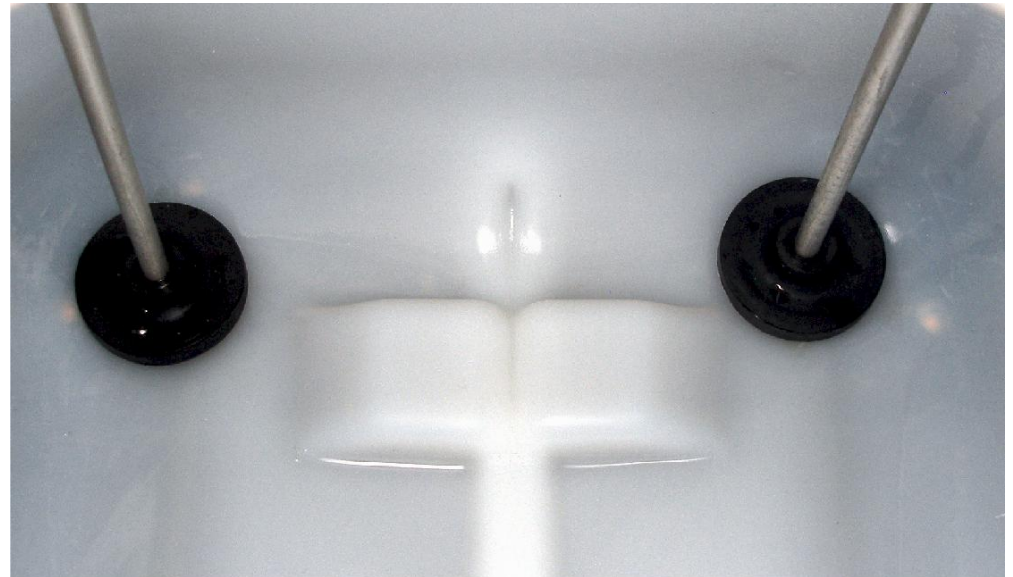
Pressure hose to  
Formulation tank

**Formulation  
tank**  
pressurized to  
provide  
**constant flow**  
to nozzles

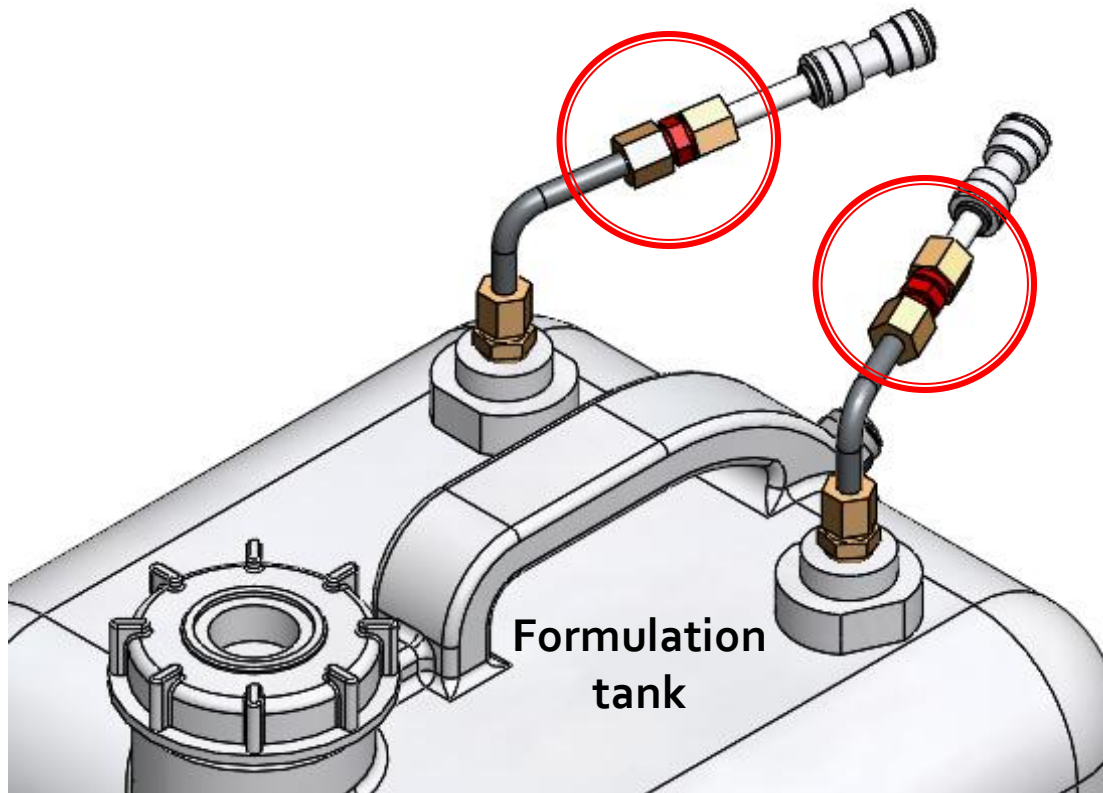
# Siphon Tubes and Filters

**Dual siphon  
tubes and  
filters...**

...galvanized  
siphon tubes  
for chemical  
resistance



# Orifice Location



The orifice is at  
the top of the  
siphon tube  
pipes  
from  
formulation  
tank

# How It Works

Fan sends a powerful air-stream into the delivery pipe to twin **nozzles**





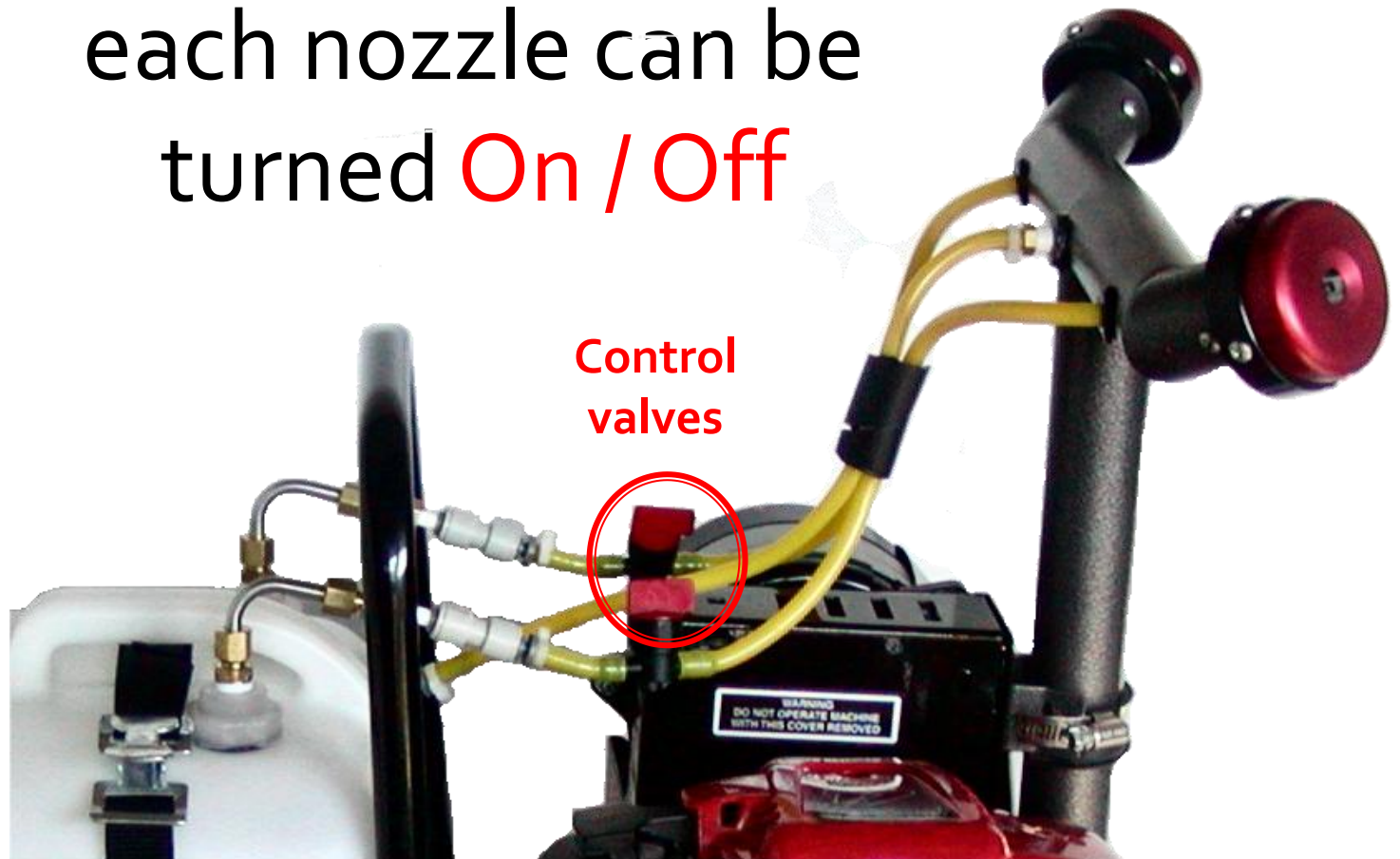
# How It Works

**Nozzles** with separate liquid supply for single or dual use



# How It Works

**Formulation flow** to each nozzle can be turned **On / Off**



# Droplets

Orifice #26



**Adulticiding**

*20 microns*

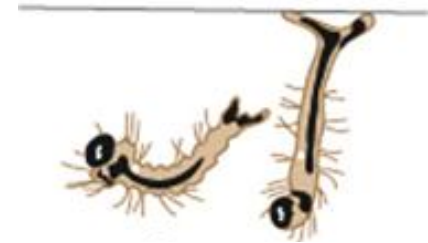


Orifice #36



**Larviciding**

*50+ microns*



Larvae

# Droplet Application

**Droplets  
airborne  
4 minutes**



**Orifice #26**

**Droplets  
airborne  
40 seconds**



**Orifice #36**

# Flow Rate: Adulticide

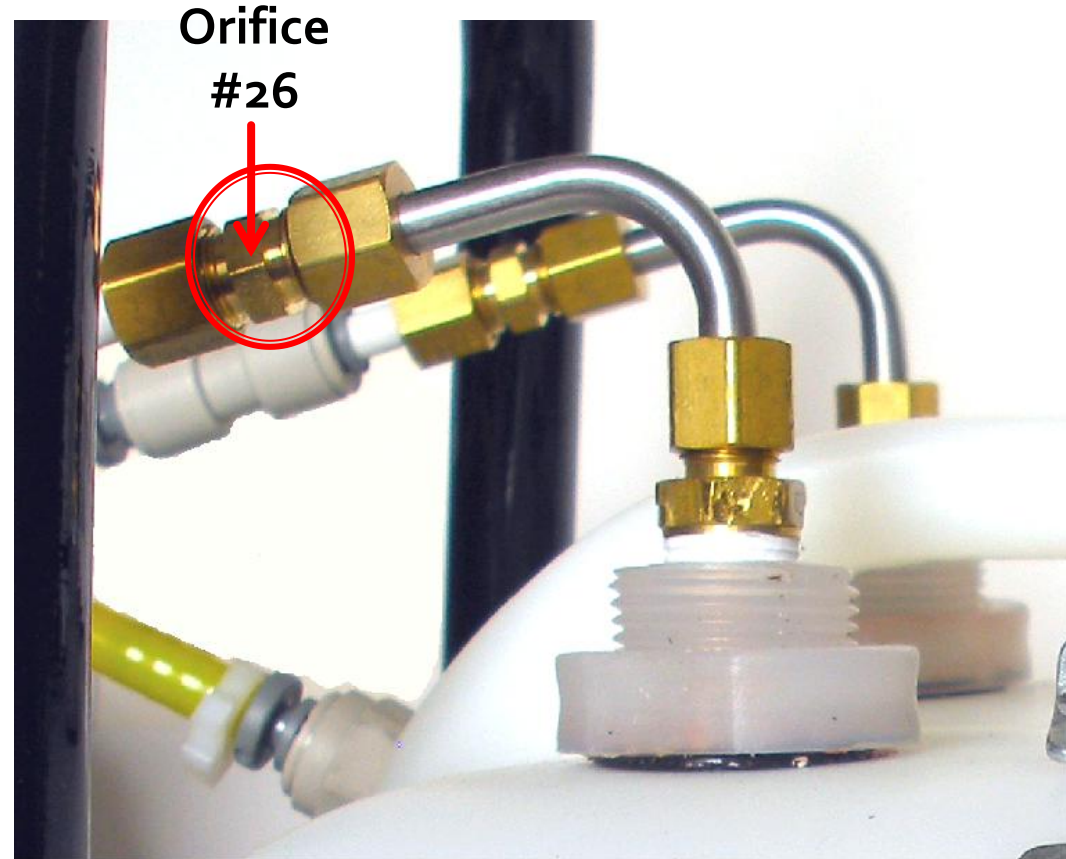
**Orifice  
#26**

**Flow rate / nozzle**

**6.8 oz. / minute**

**3.2 gallons / hour**

**(12 liters / hour)**



# Flow Rate: Larvicide

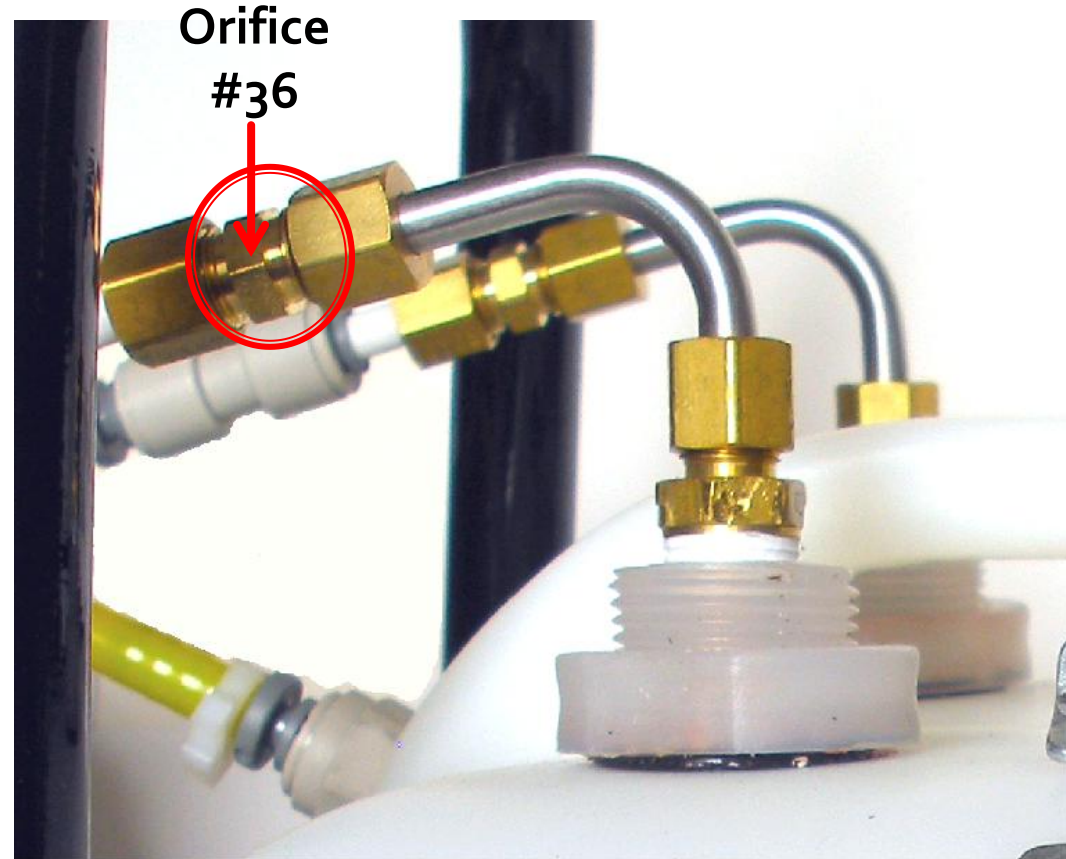
**Orifice  
#36**

**Flow rate / nozzle**

**12.6 oz. / minute**

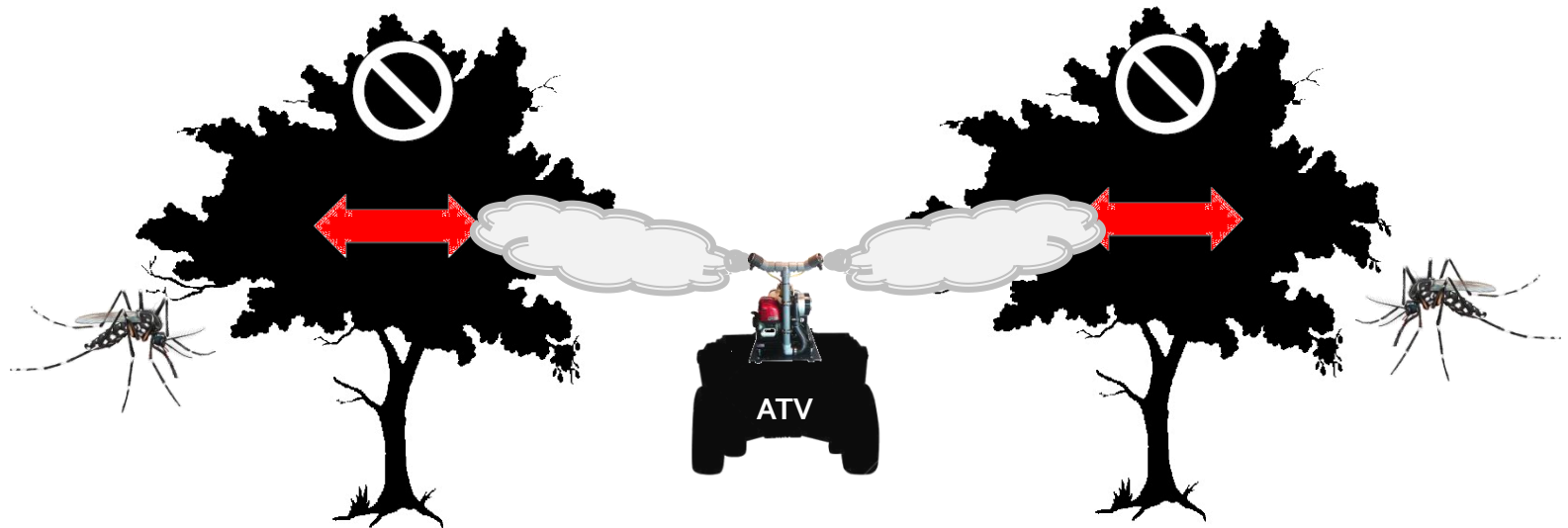
**6 gallons / hour**

**(22 liters / hour)**



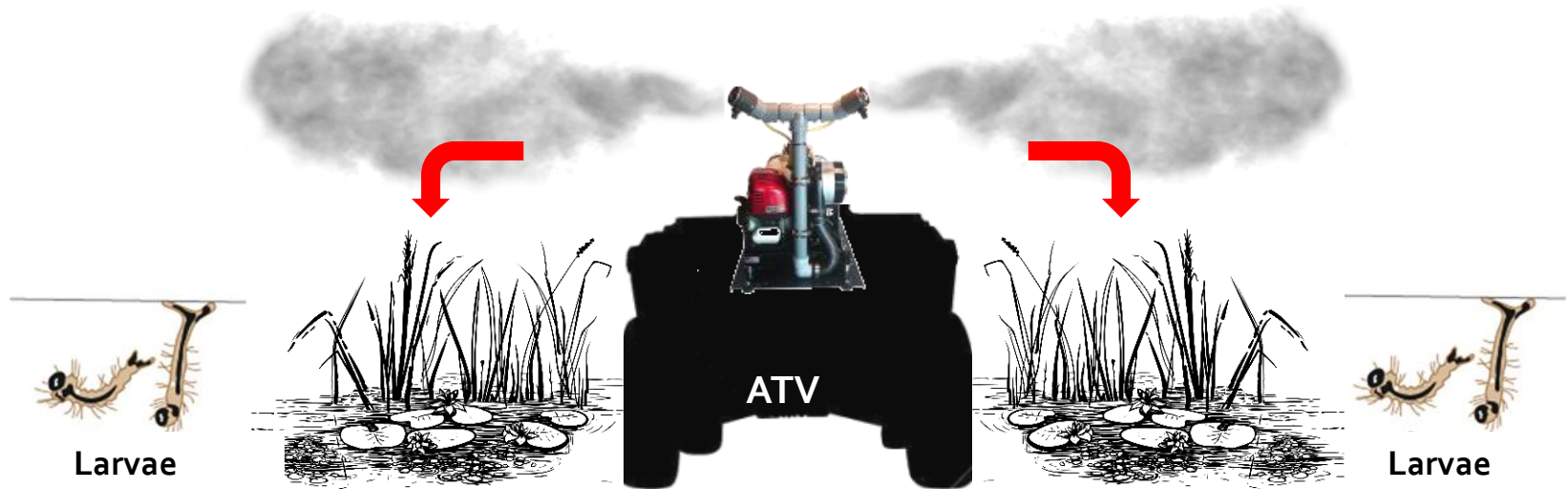
# Controlling Adults

**Control flying mosquitoes**  
using #26 orifice



# Controlling Larvae

**Mosquito larvae control**  
using orifice #36

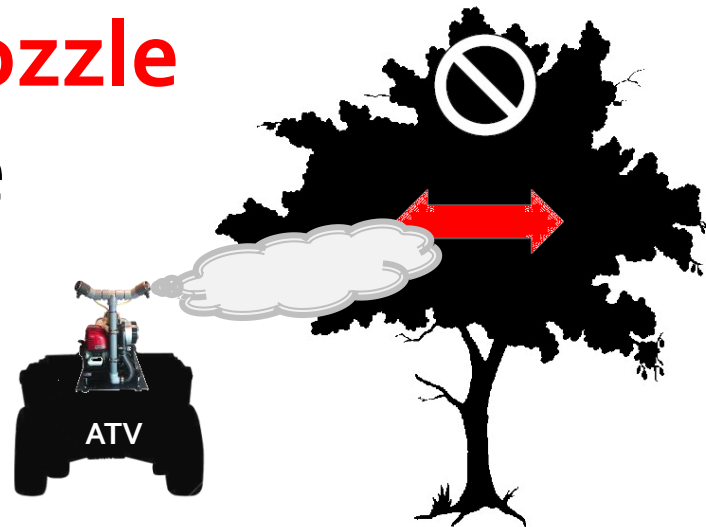




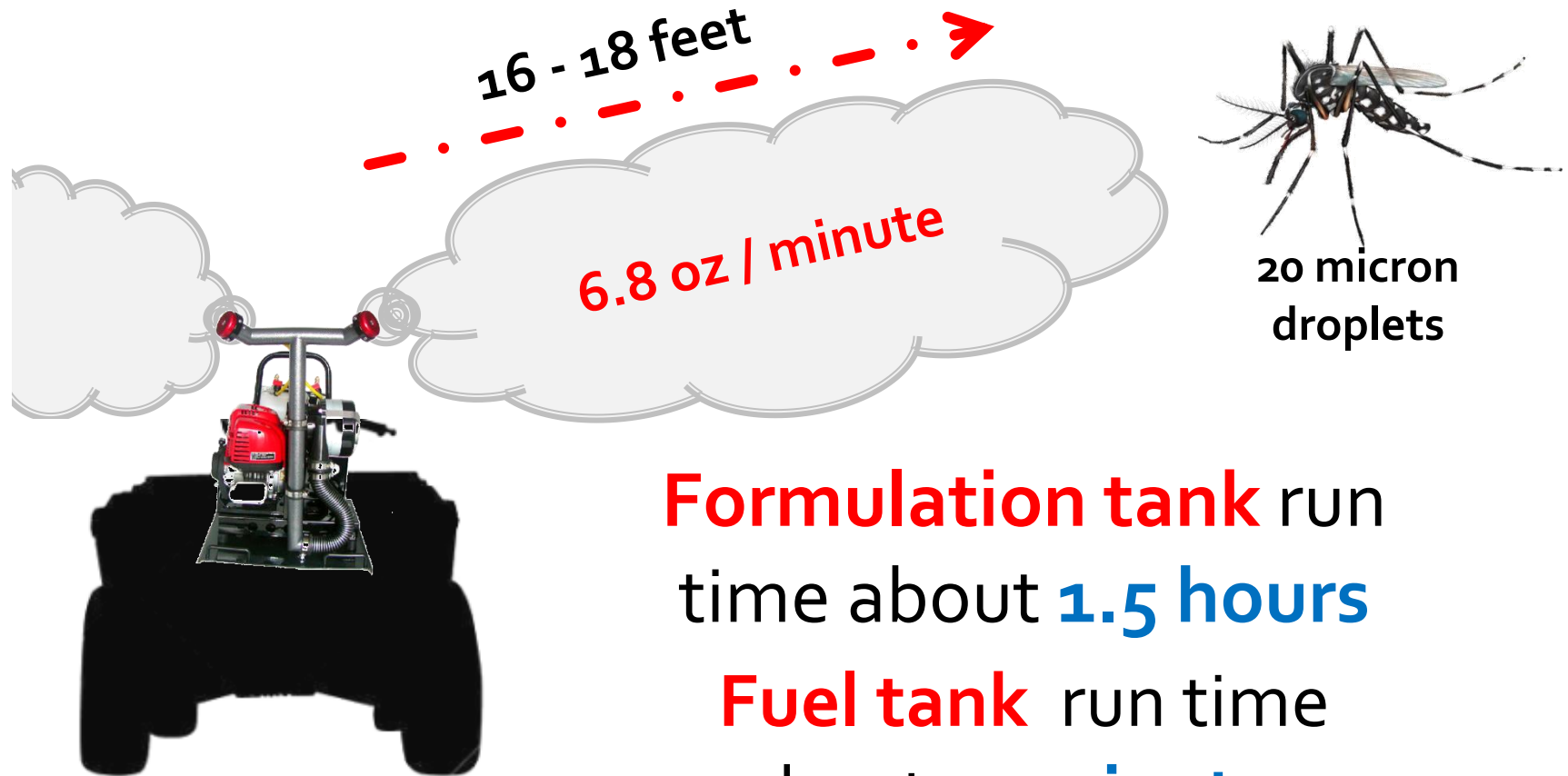
# Barrier Treatment

**Apply residual insecticide** to  
vegetation along edges

**Using single nozzle**  
with #36 orifice



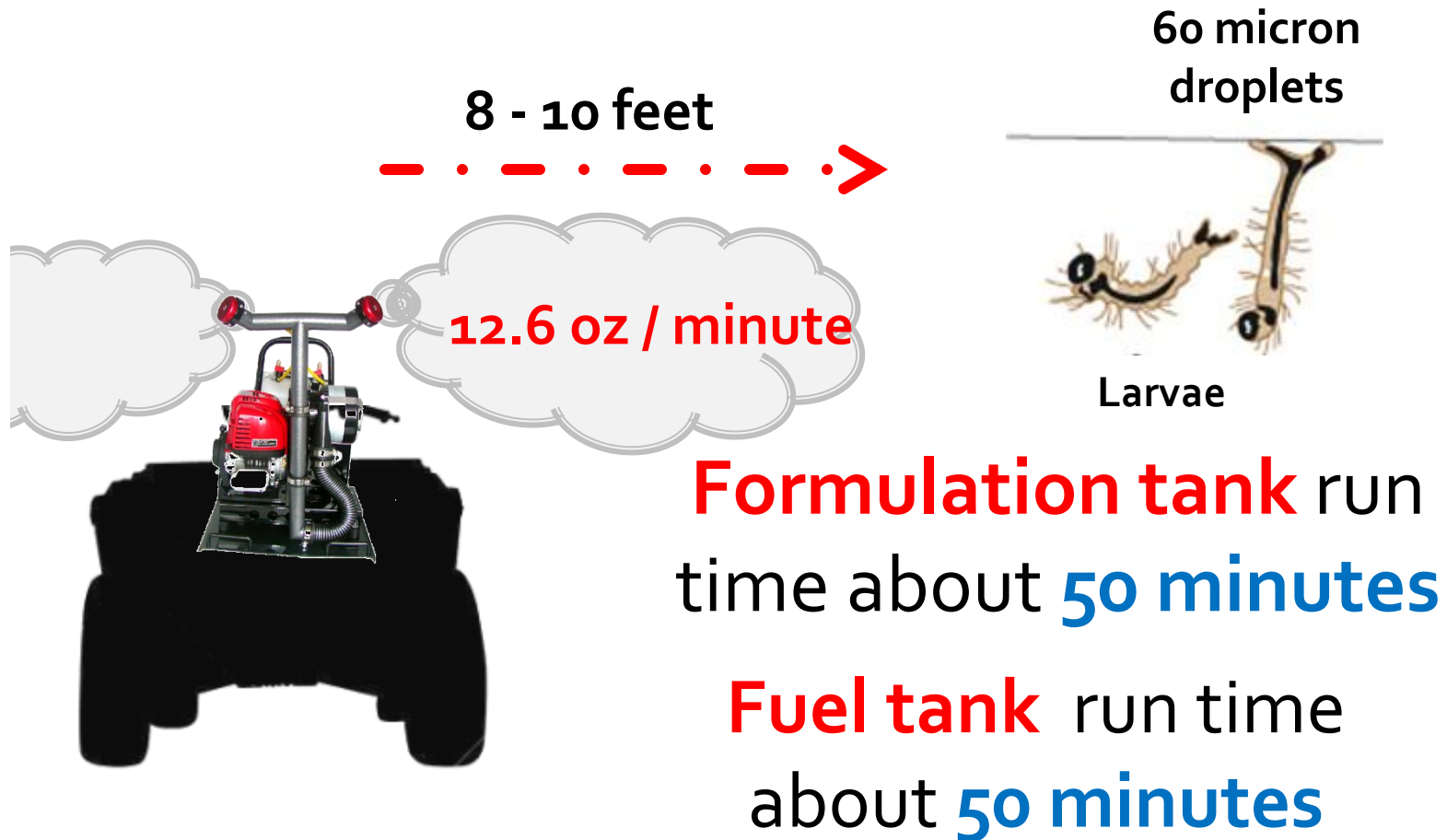
# Operation Time: Adulticide



**Formulation tank** run time about **1.5 hours**

**Fuel tank** run time about **50 minutes**

# Operation Time: Larvicide



# Before Starting

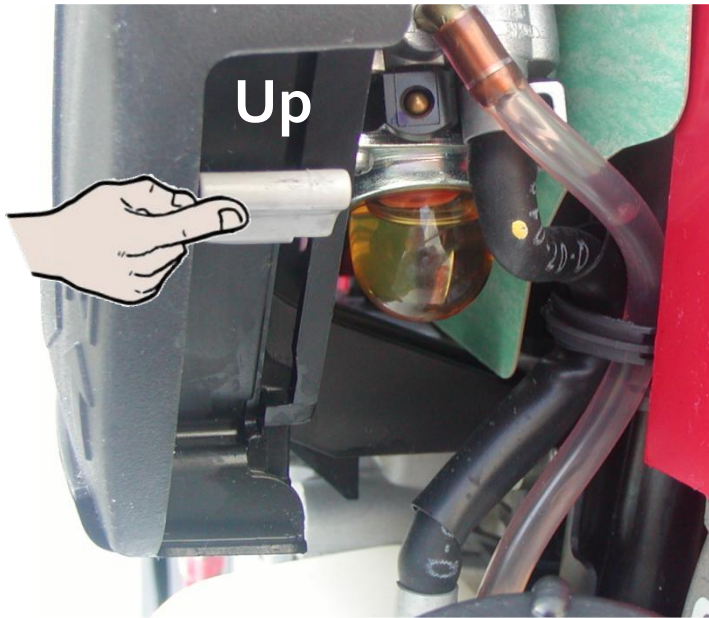


**Add oil** to engine  
(bottle included)

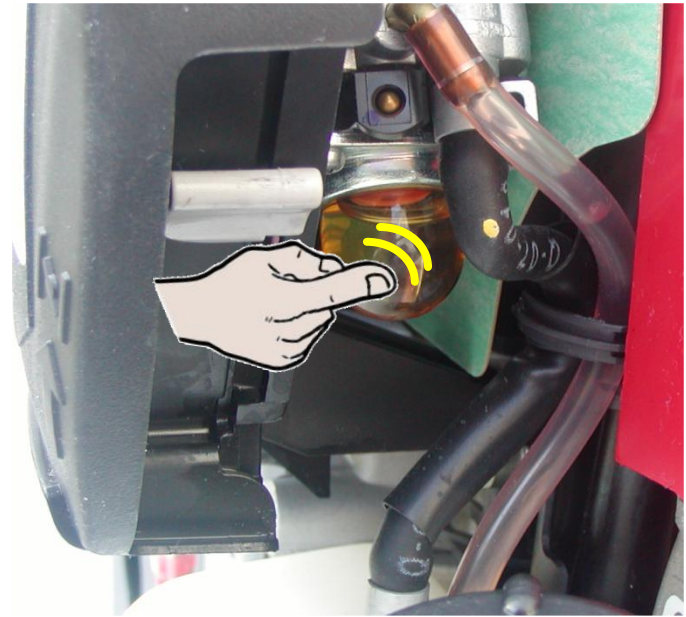


**Turn On** the  
engine switch

# Start Sequence



**Move choke** lever to the **UP** position

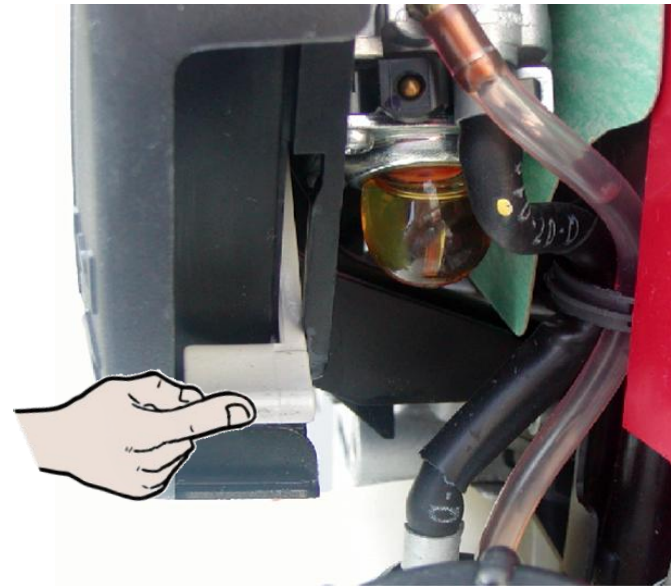


**Push priming bulb** 2 times...until fuel is visible in bulb

# Start Sequence



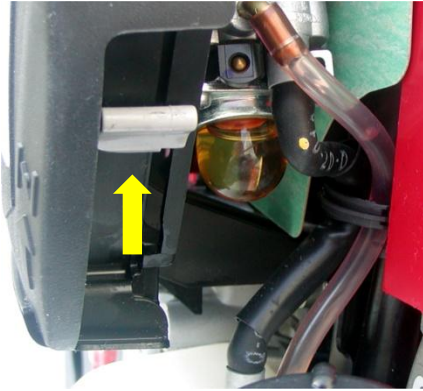
**Pull cord** 1 or 2 times  
...then pull quickly to  
start engine



**Move choke** lever  
to **Down** position  
for engine to run

# Hot Start Sequence

①



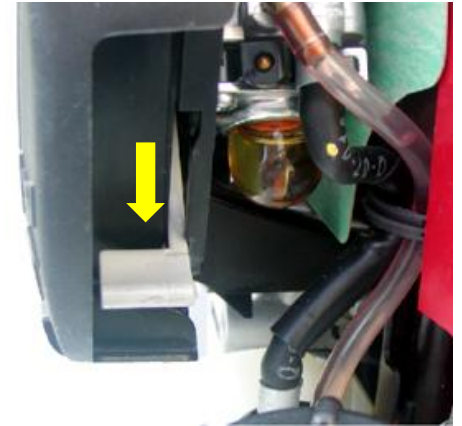
Choke UP

②



ONE Pull

③



Choke DOWN

④



Pull to  
**START**

# Stop Sequence



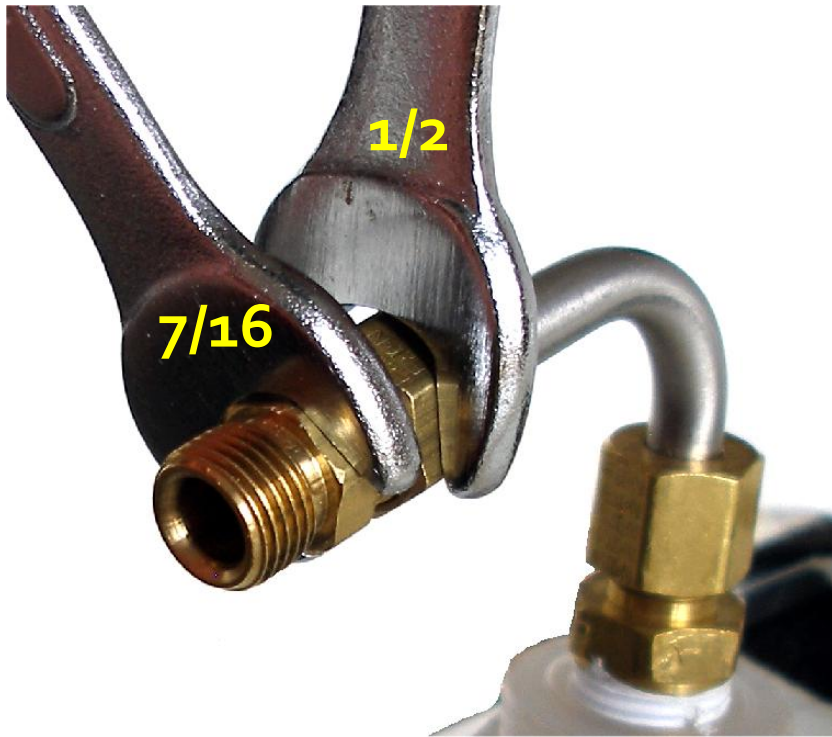
Turn **Off** flow  
to nozzles



Turn **Off**  
the engine



# Change Orifice

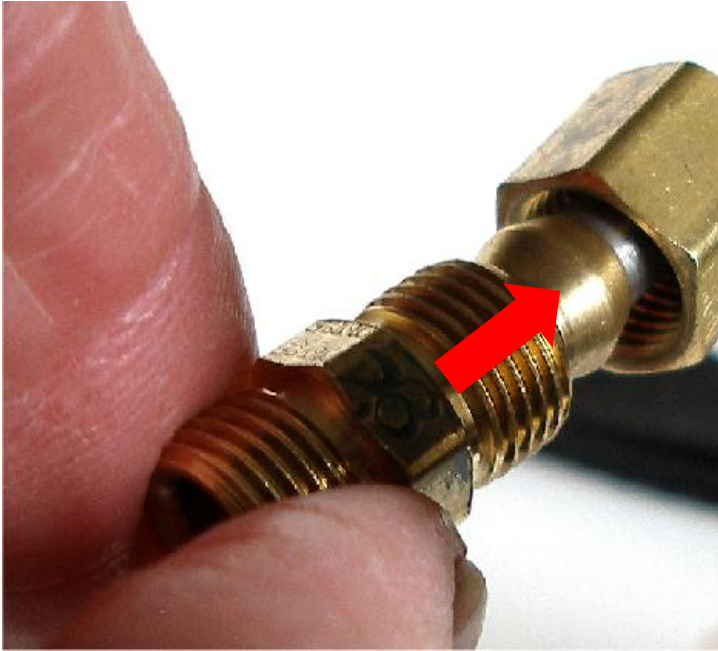


Use 2  
wrenches to  
loosen orifice

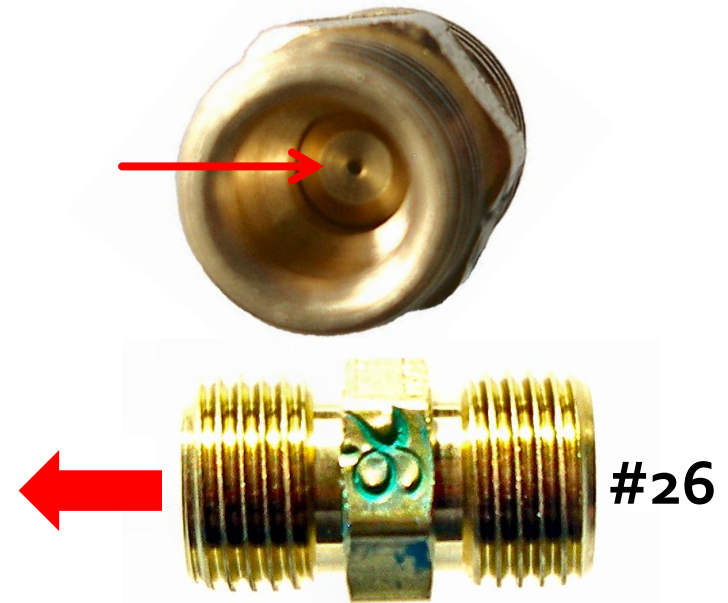


Unscrew orifice  
from nut

# Change Orifice



Insert and  
tighten new  
orifice



Orifice opening  
facing forward

# Change Orifice



Re-attach the  
hose to the  
nozzle



Tighten the  
nut to the  
orifice

# Calibrate Flow Rate

**Remove  
hose + orifice**  
from one of the  
formulation tank  
siphon tubes



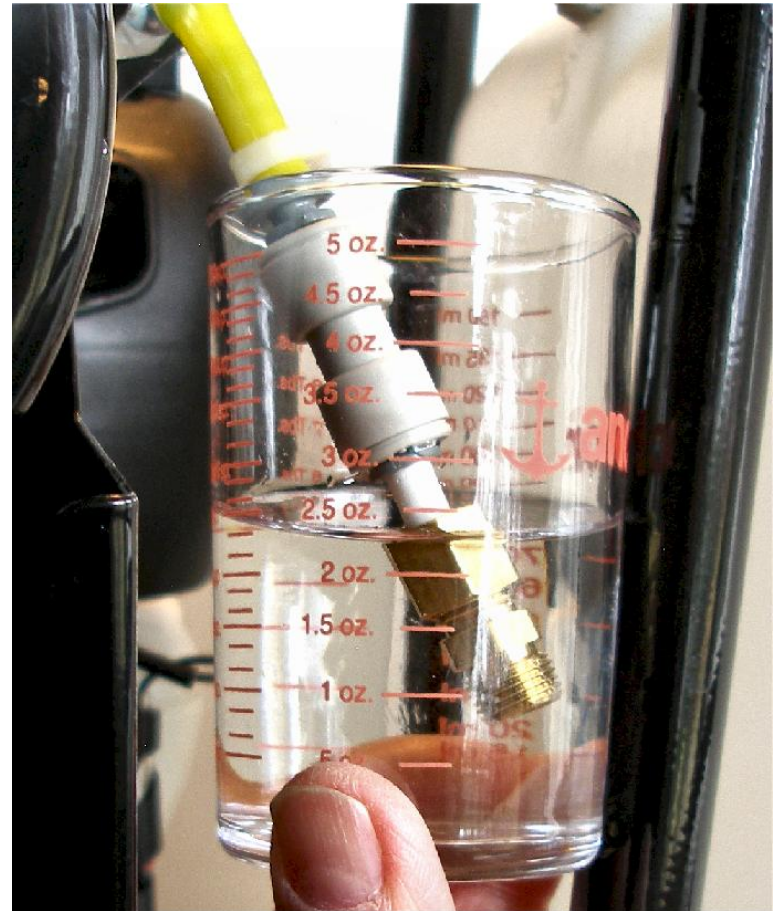
# Calibrate Flow Rate

**Operate fogger  
1 minute**

and measure liquid  
used from cup

**Flow Rate:**

Amt of liquid / minute

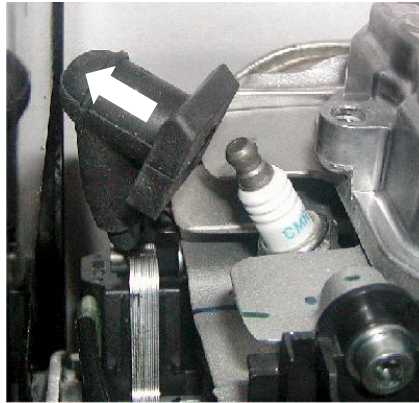


**Hose + orifice**

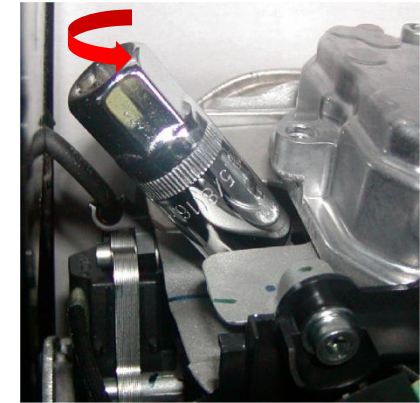
# Maintenance: Spark Plug



Remove engine cover



Remove spark plug cover



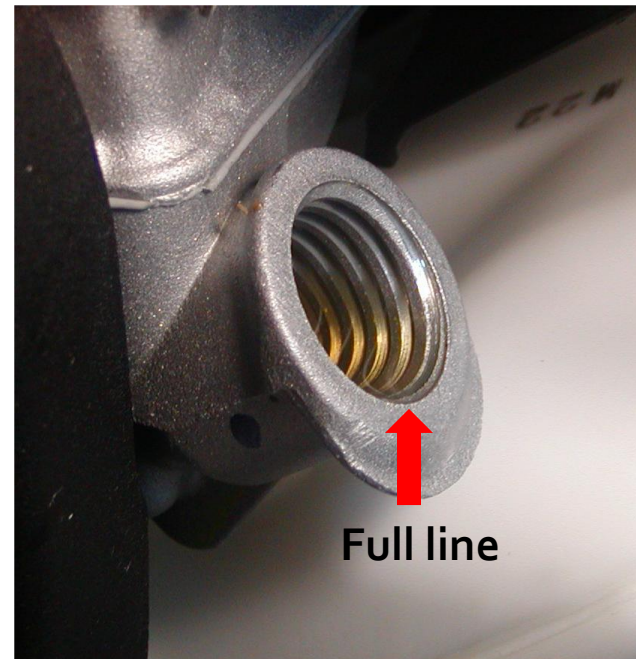
Remove plug 5/8" socket

- **Clean** the spark plug



0.024 in. / 0.6 mm

# Maintenance: Check Oil



- **Check oil** when the engine is cold, the oil is full when it comes to the edge

# Maintenance: **Flushing**

**Add 16 ounces**  
to empty formulation  
tank...

...fog until tank is  
empty...then rinse  
tank with water





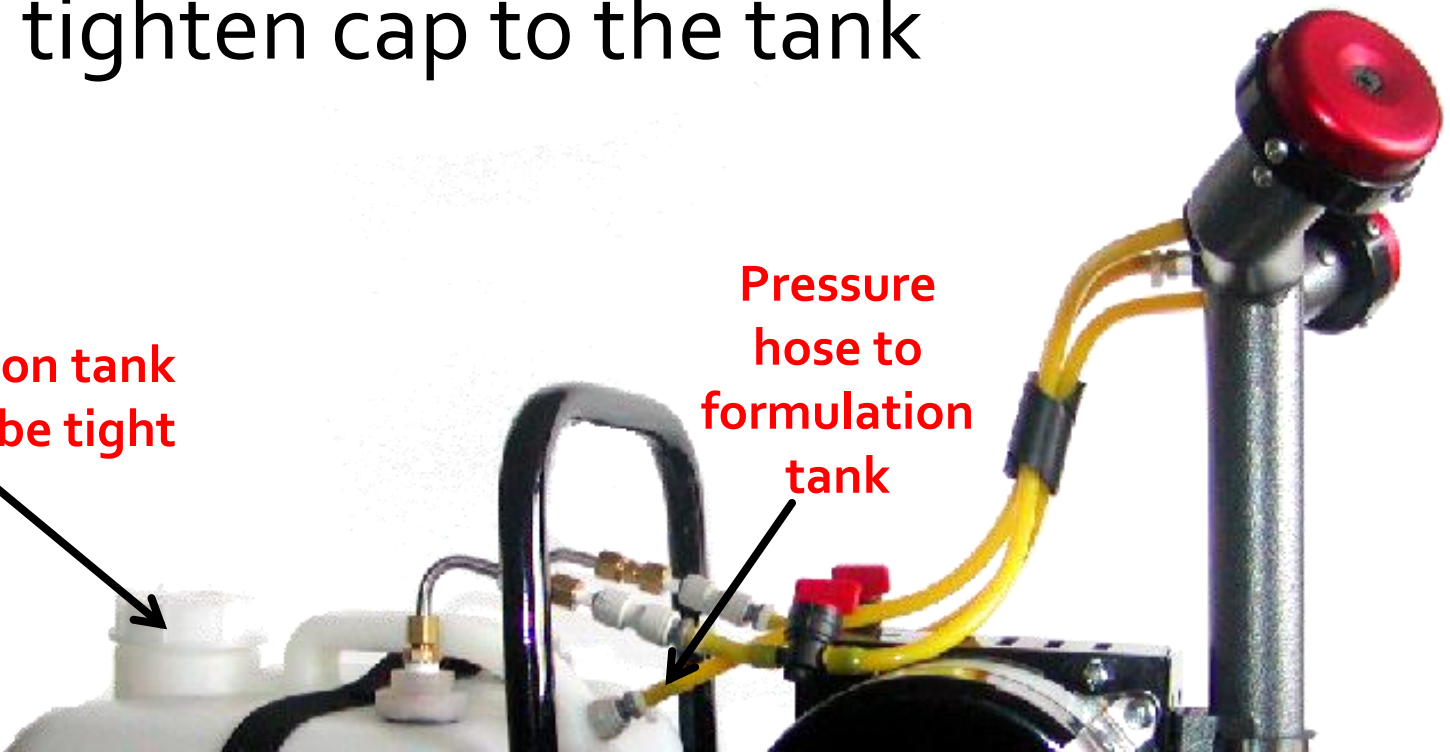
# Trouble Shoot

**Spray pattern weak** – pressure in formulation tank is low, inspect hose, tighten cap to the tank

Formulation tank cap must be tight

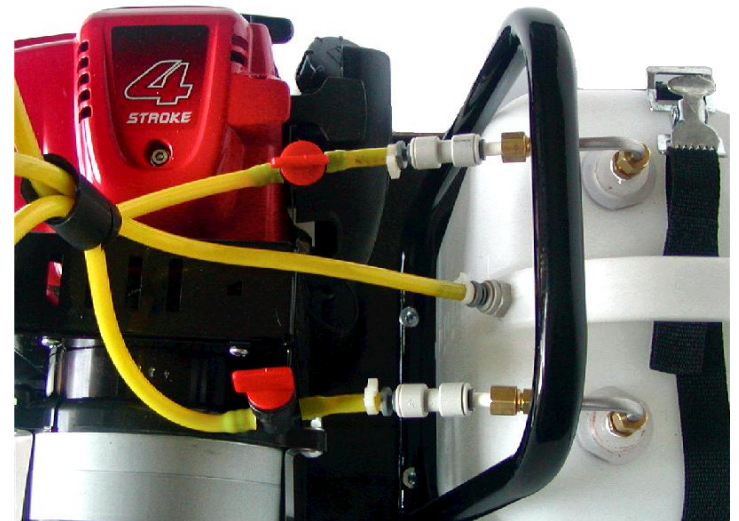
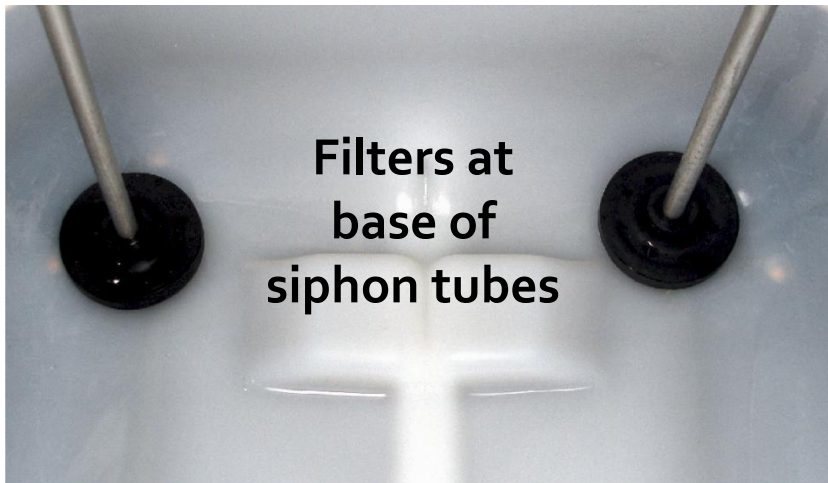


Pressure hose to formulation tank



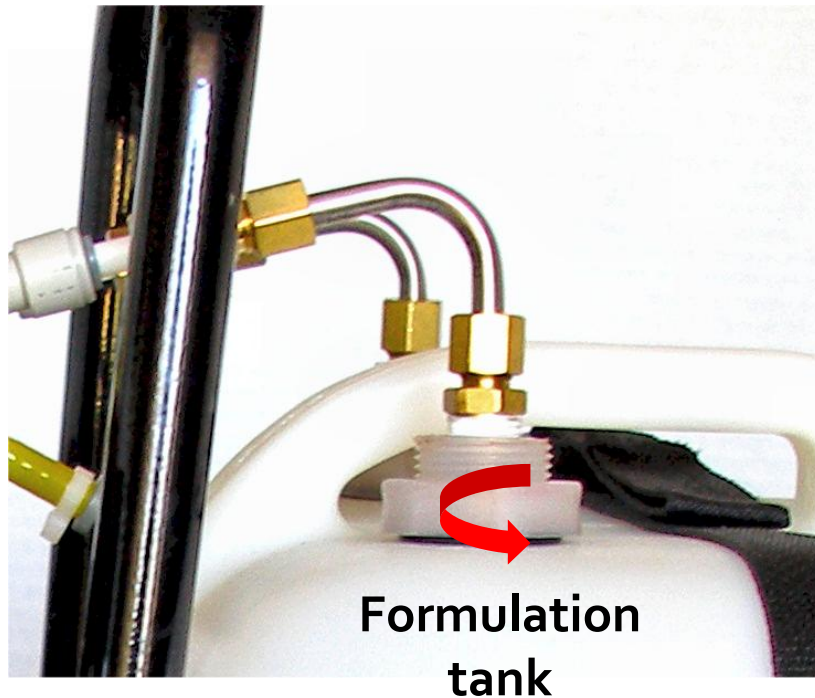
# Trouble Shoot

**One nozzle with weak spray** – Inspect the formulation tank and filter for that nozzle; inspect hoses supplying the faulty nozzle



# Trouble Shoot

**Weak spray from nozzles** – Remove siphon tubes and clean filter at the base





# ATV

# Fogger

