



Traditional Method : Fogging

Pros:

- May kill what is flying around
- Is what people are used to
- Shouldn't increase dues

Cons:

- "According to the U.S. Centers for Disease Control and Prevention, and the American Mosquito Control Association, the airborne spraying of pesticides, commonly called mosquito 'fogging', to kill adult mosquitoes is the least effective method to control mosquito populations." (<http://midwestpesticideaction.org/forgo-the-fog-alternatives-to-mosquito-fogging/>)
- mosquitos develop resistance to chemical.
- Cannot spray during times mosquitos are out (dusk & dawn) bc people are out too
- Can linger in air for 60 mins & prevents pets & people from being outside
- Can't trust truck to stop spraying in front of certain houses

Costs:

- \$250 weekly or **\$8,000** yearly; 8 months of service (Mar – Oct)

Alternative Method #1: sewer drain chemical dunks only

Pros:

- When the County spoke to the Committee, they said the best thing to do is kill the larvae first. The biggest source of larvae breeding ground is standing water in our storm drains. Per a Committee Member's own testimony, the County did a free inspection (available to any homeowner), all was good EXCEPT the storm drain. Their solution: chemical dunk which they inserted on the spot.
- Dunk in storm drains prevents wildlife, stray animals, pets, children from coming into contact with the chemical
- Prevents the mosquito at the source and before they are adults
- Less adults means less to control
- Solves issues of airborne chemicals
- Doesn't kill mosquito-eating insects; w/o these insects there's a boom in future mosquitos populations
- <http://www.mosquitoreviews.com/mosquito-dunks-bits.html>

Cons:

- Adds chemicals to water shed

Costs:

- \$200 monthly in 220 drains for **\$1,600** yearly; 8 mos of service (Mar – Oct)

Alternative Method #2: organic, garlic-based fogging

Pros:

- Garlic has a natural sulfur which repels mosquitoes. Repels ticks.
- <http://www.mosquitobarrier.com/>
- If combined with a natural oil, will suffocate larvae
- Does not kill bees, butterflies, pets, etc.
- Mosquitos stay away for up to 3 weeks (rain will dilute the effectiveness) - <https://www.youtube.com/watch?v=Zd2JrAQIXI8>
- Can be applied by Homeowner using a backpack sprayer or pump-up sprayer

Cons:

- **Method usually used by homeowners; require research if commercial Houston companies offer this service**
- Is still a fogging that coats what it touches

Costs:

- **TBD**
- \$68.90 per gallon (5 acres)

Alternative Method #3: ABC Pest's Mosquito Larvicide Station (MLS)

Pros:

- On volunteer basis, use "flower pot"-looking MLSs in homeowner front yards – serviced by ABC/paid for by SSCA
- Mosquitos are attracted to the pot; when they enter, they eat an infanticide that renders them infertile – keeping them from being able to multiply
- Reduces mosquito populations by 95%
- Not harmful to birds or mammals
- Systemic approach to preventing any larvae from being born (certain mosquitos can be dried for months and be birthed the moment water comes into contact)
- <https://www.abchomeandcommercial.com/houston/pest-control/mosquito-control>

Cons:

- Requires Homeowners consent
- Requires monthly maintenance
- Partially effective if not also in backyards
- **Price-prohibitive for neighborhood**

Costs:

- **\$40,036** initially total with 757 stations; maintenance serv of \$16,000