MOSQUITO MANAGEMENT: BG-GATS AND BEYOND



ENVIRONMENTALLY RESPONSIBLE

MOSQUITO MANAGEMENT FOR CHEVY

CHASE, BARNABY WOODS, AND HAWTHORNE

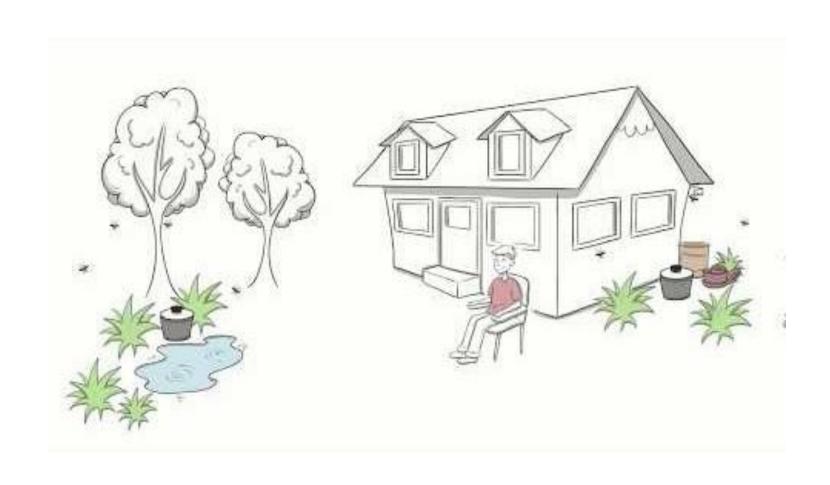
MOSQUITOS IN DC: THE PROBLEM

- According to Orkin, Washington, DC's mosquito problem is the <u>third worst in the</u> <u>nation</u>-behind only Atlanta and LA
- Mosquito breeding season typically lasts May-September, or almost half the year
- Mosquito bites affect quality of life, as well as health, of the residents of our foliagerich, parklike neighborhoods
- NextDoor, other forums highlight the disparate approaches and hot debate over mosquito management by individual residents in our neighborhoods-many of whom state concerns about the effects of pesticides on pollinators

COORDINATED MOSQUITO MANAGEMENT: THE SOLUTION

- According to the CDC, mosquitoes are best managed through <u>coordinated</u>, <u>integrated programs</u> as opposed to segmented private efforts
- While some neighbors do spray, many are interested in more natural, yet effective methods of mosquito management
- Sligo Park Hills and <u>University Park</u>, MD, <u>Shepherd Park</u>, and others in our area have successfully used Biogents GAT (Gravid *Aedes*) traps to reduce mosquito populations
 - In Sligo Park Hills, mosquito populations were reduced by up to 80% without harming insect pollinators, children, pets, or wildlife
 - Find information on Sligo Park Hills' 2018 program success online
 - Shepherd Park enjoys <u>significant community coverage</u> and reduced mosquitos

BIOGENTS TRAP OVERVIEW



BIOGENTS TRAP OPTIONS

BG-GAT (Gravid Aedes Trap): Recommended

- Targets Asian Tiger and Aedes aegypti mosquitoes that bite in the daytime and carry dengue, Zika, and chikungunya
- Traps mosquitoes that have already bitten and are seeking a place to lay their eggs
- Requires no power, supplemental attractants, or lures—only minimal setup and occasional cleaning or treatment with pollinator-safe BTI
- Available in a neighborhood set of 6 pairs of traps (2 per home)
- \$58/set of 2

BIOGENTS TRAP OPTIONS (CONT'D)

• **BG-Mosquitaire**

- Higher catch rate than BG-GAT
- Targets mosquitoes searching for a host to bite
- Relies on a lure and power source
- \$189/unit

NEIGHBORHOOD INTEREST

- About 12 households in the Hawthorne neighborhood purchased "pilot" GATs late in the 2020 mosquito season through informal NextDoor queries
 - While interest is a positive sign of potential future adoption, earlier initiation, broader coverage through concerted ANC and block captain and listserv outreach, formal outcome measurement, etc., would improve impact in 2021
 - Hawthorne was able to obtain a 15% neighborhood discount code, which should continue to be available into 2021

NEXT STEPS

- Confirm interest in pilot or coordinated program in 2021
- Identify block captains/POCs to reach out to neighbors to gauge interest, order GATs, and ensure installation/adoption
- Prepare program management structure and POCs
 - Consider data collection, measures to assess program success and increase adoption/decrease mosquito populations into the future

