

In 2020, the CDC outlined a National Public Health Framework for the Control and Prevention of Vector-Borne Diseases. Why?

Climate change is increasing ranges of mosquitoes and the diseases they transmit:

- Mosquitoes kill hundreds of thousands of people each year around the world, and with global travel new diseases can be brought to the United States at any time.
- As our population grows and people inhabit new locations, interactions between humans, animals, and mosquitoes increase the risk of exotic disease transmission.
- Invasive mosquito species are spreading to the United States that transmit West Nile virus, chikungunya, dengue, and Zika.

A lower quality-of-life due to annoyance caused by sheer numbers of mosquitoes:

- Documented cases of livestock being exsanguinated and/or asphyxiated from mosquitoes after hurricanes.
- Mosquito landing rates of over 100/min are reported in areas without mosquito control.

Increased impacts to domestic animals/wildlife:

- Unvaccinated horses have a high mortality rate when infected with mosquito-transmitted viruses.
- Over 100,000 cases of canine heartworm are diagnosed annually in U.S.
- Protected bird species are highly susceptible to mosquito-transmitted diseases (raptors, Florida Scrub Jay, and the California Condor).

Economic impacts on local economies

- Reduced attendance at outdoor events such ball games, car races, picnics, reunions, concerts, parades, graduations, or wedding ceremonies, etc. with unchecked mosquito populations.
- Agitation from biting mosquitoes significantly lowers weight gain in beef cattle and milk production in dairy cows.
- Negatively impacts recreational activities and tourism which causes health and economic losses.

WHO AND WHAT IS THE AMCA?

The American Mosquito Control Association is a non-profit scientific and educational professional association. It is world-wide in scope, with members or subscribers to its publications in over 50 countries, with the majority of its members in the United States. Our mission is to provide leadership, information, and education leading to the enhancement of public health and quality of life. We accomplish this mission through the suppression of mosquitoes and vector-transmitted diseases and the reduction of annoyance levels caused by mosquitoes and pests of public health importance. The AMCA membership is comprised of students, researchers, professors, regulators, public, private and industry, mosquito control district superintendents and personnel, commissioners, and trustees.