

| Mosquitoes are small, flying insects that | belong to the family | These small |
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| nuisances are found on every continent except A | ntarctica and can be found i | n every landscape except |
| permanently dry and permanently cold regions. | As well as being bothersome | , they can pose a significant |
| threat to All over the wor | rld there are genera of | mosquitoes and more than |
| species, 176 of which are found in the U | Inited States. Mosquito spec | ies are extremely diverse in |
| their feeding and behavioral habits. | | |
| Mosquitoes are prone to being | species when introduced | to a new location. This is |
| problematic with the fact that many invasive spe | cies are vectors of diseases n | ot seen in a region before. |
| Native species will have no immunity to these ne | w diseases. Before Europear | settlers came to |
| in the 1800s there were no mosquitoes. After mo | osquitoes were introduced, m | nany bird species went extinct |
| and many others were severely damaged, only bi | rds high up in the mountain | s sustained little damage. |
| Why is this? | | |
| Not all mosquitoes are nuisances or capable of tr make some genera more of a problem than other | | are some characteristics that |
| Aedes: | | |
| Location: | Preferred meal: | |
| Feeding time: | Larval habitat: | |
| Some pathogens it transmits: | Active time: | |

| Culex: | |
|--|--|
| Location: | Preferred meal: |
| Feeding time: | Larval habitat: |
| Some pathogens it transmits: | Active time: |
| Diet— | |
| All mosquitoes need sugar in some females of species drink | e form. Most of the time they drink Only blood. |
| Autogenous: | |
| Anautogenous: | |
| eyesight and rely heavily on olfaction (to prevent | ood meals in order to produce Mosquitoes have poo During blood feeding, females will inject The itchy bump on the skin from a mosquito bite is the |
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| Development— | |
| | resent in order to lay eggs, however, modes of oviposition n aquatic plants, in mud, and on container walls are all common |
| | lay their eggs. Aedes mosquitoes lay their eggs on container |
| | dried and only begin developing when soaked. |
| Diapause: | |



Invasive mosquito collection goals—

Lymphatic filariasis:

With the threat of a new disease in the United States, it is important to have knowledge of mosquito species distributions throughout the U.S. Knowing where certain vector species are located will help public health officials know where preventative measures need to be focused most.

| note public ficulti officials throw where proventative incapares ficed to be focused most. |
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| Mosquito-borne diseases— |
| Pathogens transmitted from animal to animal by mosquitoes. Mosquitoes are vectors and are not commonly affected. Pathogens are transferred through mosquito |
| Dengue fever: |
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| Chikungunya: |
| West Nile virus: |
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| Canine heartworm: |
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| Why does location affect the type and number of eggs? |
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| In what ways do invasive species impact ecosystems? |
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| How does knowing species distributions of invasive mosquitoes help public health? |
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