

# Vector Sectors

## U.S. CITIES PUBLIC HEALTH PEST WATCHLIST

When temperatures and precipitation levels drastically fluctuate, so can pest populations, including vector pests that can spread disease. **These 12 cities experienced extreme weather this spring and summer, putting them on our watchlist for increased vector pest pressure this season**



### Atlanta

Excessive rainfall and soaring temperatures have created the perfect conditions for **mosquito** and **fly** populations to thrive this summer. With above-average precipitation and temperatures predicted in the coming months, **mosquito** pressure is expected to increase.



### San Diego

Warm, wet temperatures have created the perfect environment for **mosquito** populations to thrive this summer. Expect to see increased activity from these biting pests late into the summer months if similar conditions persist.



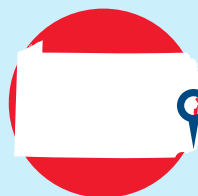
### New York

**Tick** and **mosquito** season started earlier this year thanks to warmer spring temperatures. With forecasts calling for increased rainfall and above-average temperatures, **tick** and **mosquito** populations could continue to flourish in the coming months.



### Chicago

Both **tick** and **mosquito** populations would have benefitted from the above-average temperatures and rainfall experienced in the Chicago area this summer. Residents should be mindful of these disease-spreading pests when spending time outdoors as populations can be expected to thrive if similar conditions continue.



### Philadelphia

Above-average temperatures in May and June have likely given **ticks** a head start this summer. If rainfall and warmer temperatures continue as predicted, expect to also see higher **mosquito** pressures in this area.



### Washington, D.C.

May and June have been warm and wet for this region, giving **mosquitoes** and **ticks** the perfect conditions to thrive. With forecasts calling for more rain and climbing temperatures, residents should be prepared to see increased pressures from both pests late into the summer months.



### Miami/Tampa

Both Miami and Tampa have recorded above-average rainfall levels the past few months. These conditions, combined with warm summer days, could create the perfect standing water conditions for **mosquito** populations to flourish this summer.



### Baltimore

Excessive rainfall has created the perfect standing water conditions for **mosquito** populations to flourish. If above-average rainfall and temperatures persist, both **mosquito** and **tick** populations could continue to increase in the area.





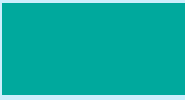
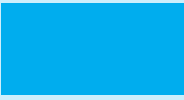




### Dallas/Austin

Soaring temperatures in both Dallas and Austin have given **mosquito** populations a jumpstart to the pest season this summer. Residents could expect to see increased **mosquito** pressure if rainfall picks up in these regions.



### Boston

**Tick** and **mosquito** activity got a head start this spring thanks to above-average rainfall in the area. Residents could expect to see activity remain high well into the summer months if rainfall and temperatures continue to reach above-average numbers as predicted.

factor key		Above-average precip in spring followed by above-average temps in summer		Above-average temps in spring followed by above-average temps and precip in the summer		Above-average temps in spring followed by above-average precip in the summer		Above-average precip in spring followed by above-average temps and precip in the summer		Above-average temps and precip in spring and summer	 TICK
		MOSQUITO									
	 FLY										

### vector pests 101

**flies:** Non-biting flies, such as houseflies, are not only nuisance pests, but they are also responsible for transmitting diseases and contaminating food. Flies are capable of transferring more than 100 pathogens, including malaria, salmonella and tuberculosis.

**ticks:** The blacklegged (deer) tick is a vector of anaplasmosis, babesiosis and Lyme disease, while the American dog tick, Asian longhorned tick, Rocky Mountain wood tick and the brown dog tick are vectors of Rocky Mountain spotted fever.

**mosquitoes:** Mosquitoes are vectors of numerous diseases including malaria, yellow fever, dengue, Eastern equine encephalitis (EEE), Zika virus, Chikungunya and West Nile virus.

### prevention primer

- + Store food in airtight containers and dispose of garbage regularly
- + Clean up spills and vacuum often to eliminate attractive food sources
- + Fix leaking pipes and clogged drains to avoid moisture problems
- + Seal potential pest entry points such as cracks and gaps
- + Remove areas of standing water to minimize breeding grounds
- + Contact a pest control professional if an infestation is suspected