

Mosquito Surveillance in Ohio July 23, 2018

This update provides detailed mosquito surveillance information not included in the **Ohio Arbovirus Surveillance Update**.

Here is a summary of mosquitoes identified and tested for West Nile virus (WNV) to date. For each jurisdiction, the table reports the total number of mosquitoes identified in traps, the number of resulting pooled samples tested or pending (up to 50 mosquitoes per sample), and those positive for WNV. The table shows only the mosquitoes that have been identified and processed as of noon on 07/23/2018:

2018* Mosquitoes Submitted to ODH ZDP for Arbovirus Testing						
County	Agency		# mosquitoes submitted & identified	# pooled samples tested	# pooled samples pending	WNV (+)
Adams	1	Adams County Health Department	1	1	0	0
Ashland	2	Ashland County-City Health Department	1,851	667	40	0
Ashtabula	3	Ashtabula City Health Department	434	414	0	0
	4	Ashtabula County Health Department	458	450	0	0
Athens	5	Athens City-County Health Department	3,074	2,526	0	2
Butler	6	Butler County Health Department	2,790	2,315	15	0
Clark	7	Clark County Combined Health District	674	378	1	0
Clermont	8	Clermont County Public Health	3,777	3,428	0	1
Coshocton	9	Coshocton City Health Department	304	186	0	1
	10	Coshocton County Health Department	190	169	0	0
Crawford	11	Galion City Health Department	136	120	0	0
Cuyahoga	12	Cuyahoga County Board of Health	2,657	2,367	0	4
Darke	13	Darke County General Health District	36	11	0	0
Delaware	14	Delaware General Health District	1,213	580	25	1
Fairfield	15	Fairfield Department of Health	347	178	0	0
Fayette	16	Fayette County Health Department	127	111	0	0
Franklin	17	Columbus Public Health	50,349	50,214	117	221
	18	Franklin County Public Health	28,931	28,917	0	88
Gallia	19	Gallia County Health Department	798	749	7	0
Greene	20	Greene County Public Health	318	287	0	0
Guernsey	21	Cambridge-Guernsey County Health Department	76	71	0	0
Hamilton	22	Cincinnati Health Department	1,780	1,614	0	3
	23	Hamilton County Public Health	1,756	786	16	0
Hancock	24	Hancock Public Health	2,034	1,834	9	1
Henry	25	Henry County Health Department	158	139	0	0
Hocking	26	Hocking County Health Department	3,824	3,004	0	0
Holmes	27	Holmes County Health District	1,116	423	3	0
Jackson	28	Jackson County Health Department	410	394	9	0
Lake	29	Lake County General Health District	4,042	3,670	0	2
Licking	30	Licking County Health Department	2,883	2,637	35	4
	31	Village of Hebron	3,680	3,563	26	15

2018* Mosquitoes Submitted to ODH ZDP for Arbovirus Testing

County	Agency		# mosquitoes submitted & identified	# pooled samples tested	# pooled samples pending	WNV (+)
Lorain	32	Lorain County Public Health	2,587	1,860	25	0
Lucas	33	Toledo Area Sanitary District	33,846	33,760	0	66
Mahoning	34	Youngstown City Health District	111	63	3	0
Medina	35	Medina County Health Department	624	315	0	1
Meigs	36	Meigs County Health Department	434	399	0	0
Mercer	37	Mercer County Health District	83	35	0	0
Miami	38	Miami County Public Health	253	196	4	0
Montgomery	39	Public Health - Dayton & Montgomery County	3,641	3,495	21	0
Morgan	40	Morgan County General Health District	112	65	0	0
Muskingum	41	Zanesville-Muskingum County Health Department	162	133	3	0
Noble	42	Noble County Health Department	57	30	0	0
Ottawa	43	Ottawa County Health Department	398	280	0	0
Perry	44	Perry County General Health District	73	62	0	0
Portage	45	Kent City Health Department	20,720	16,040	0	18
	46	Portage County Health District	1,012	872	0	1
Preble	47	Preble County Health Department	71	5	0	0
Putnam	48	Putnam County Health Department	266	244	0	0
Richland	49	Richland Public Health	8,328	6,617	39	3
	50	Shelby City Health Department	22	14	0	0
Ross	51	Ross County Health District	2,673	2,489	0	1
Scioto	52	Scioto County Health Department	1,272	902	0	1
Shelby	53	City of Sidney	71	26	0	0
Stark	54	Stark County Health Department	7,931	7,530	52	2
Summit	55	Barberton-Norton Mosquito Abatement District	21,767	17,720	54	14
	56	Summit County Public Health	52,192	52,128	331	23
Trumbull	57	Trumbull County Combined Health District	69	58	0	0
Tuscarawas	58	New Philadelphia City Health Department	194	154	4	0
	59	Tuscarawas County Health Department	2,440	2,181	11	5
Union	60	Union County Health Department	263	202	0	0
Vinton	61	Vinton County Health Department	38	31	0	0
Warren	62	Warren County Health District	3,409	3,311	28	0
Williams	63	Williams County Health Department	26	15	0	0
Wood	64	Bowling Green State University	5,439	1,908	0	1
Wyandot	65	Wyandot County Public Health	317	242	3	0
Total:			291,125	265,585	881	479

*updated 07/23/2018

Here is a breakdown by mosquito species identified and a breakdown of *Ae. albopictus* collections by agency:

2018 Mosquito Species Identified	
Species	#
<i>Aedes stimulans</i>	1,188
<i>Aedes triseriatus</i>	1,249
<i>Aedes trivittatus</i>	2,314
<i>Aedes vexans</i>	2,375
<i>Anopheles barberi</i>	66
<i>Anopheles perplexens</i>	2
<i>Anopheles punctipennis</i>	552
<i>Anopheles quadrimaculatus</i>	242
<i>Anopheles</i> sp.	14
<i>Anopheles walkeri</i>	36
<i>Coquillettidia perturbans</i>	166
<i>Culex</i> sp.	266,441
<i>Culiseta impatiens</i>	45
<i>Culiseta inornata</i>	26
<i>Culiseta melanura</i>	8
<i>Culiseta</i> sp.	3
<i>Orthopodomyia signifera</i>	5
<i>Psorophora ciliata</i>	3
<i>Psorophora ferox</i>	187
<i>Psorophora horrida</i>	37
<i>Psorophora howardii</i>	1
<i>Uranotaenia sapphirina</i>	5
Total:	291,125

Breakdown of <i>Ae. albopictus</i> collections so far in 2018		
County	Agency	#
Hamilton	Hamilton County Public Health	66
	Cincinnati Health Department	21
Hocking	Hocking County Health Department	34
Jackson	Jackson County Health Department	6
Meigs	Meigs County Health Department	5
Miami	Miami County Public Health	2
Montgomery	Public Health - Dayton & Montgomery County	16
Morgan	Morgan County General Health District	10
Muskingum	Zanesville-Muskingum County Health Department	3
Noble	Noble County Health Department	1
Portage	Kent City Health Department	1
Ross	Ross County Health District	28
Scioto	Scioto County Health Department	17
Summit	Barberton-Norton Mosquito Abatement District	1
	Summit County Public Health	2
Warren	Warren County Health District	1
Total:		453