

Mosquito Surveillance in Ohio October 1, 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 10/01/2018:

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	554	17	0	6
Ashland	2	Ashland County-City Health Department	4,365	207	6	4
Ashtabula	3	Ashtabula City Health Department	1,086	25	0	5
	4	Ashtabula County Health Department	458	12	0	0
Athens	5	Athens City-County Health Department	5,235	176	0	22
Belmont	6	Belmont County Health Department	315	9	0	1
Brown	7	Brown County Health Department	433	13	0	5
Butler	8	Butler County Health Department	5,736	203	4	7
Carroll	9	Carroll County General Health District	219	7	0	0
Champaign	10	Champaign Health District	109	10	0	0
Clark	11	Clark County Combined Health District	2,008	175	0	9
Clermont	12	Clermont County Public Health	6,648	195	0	12
Columbiana	13	Columbiana County Health District	377	30	0	2
Coshocton	14	Coshocton City Health Department	405	15	0	1
	15	Coshocton County Health Department	361	10	0	0
Crawford	16	Galion City Health Department	160	14	0	0
Cuyahoga	17	Cuyahoga County Board of Health	5,888	207	0	34
Darke	18	Darke County General Health District	36	4	0	0
Delaware	19	Delaware General Health District	3,201	367	0	6
Fairfield	20	Fairfield Department of Health	976	85	0	4
Fayette	21	Fayette County Health Department	127	5	0	0
Franklin	22	Columbus Public Health	83,161	2,012	0	773
	23	Franklin County Public Health	62,387	1,842	46	546
Gallia	24	Gallia County Health Department	798	24	0	0
Geauga	25	Geauga County Health District	147	7	0	1
	26	Village of Middlefield	376	8	0	0
Greene	27	Greene County Public Health	687	46	0	3
Guernsey	28	Cambridge-Guernsey County Health Department	479	14	0	2
Hamilton	29	Cincinnati Health Department	2,507	109	3	7
	30	Hamilton County Public Health	2,191	105	0	2
Hancock	31	Hancock Public Health	3,660	154	0	11

2018* Mosquitoes Submitted to ODH ZDP for Arbovirus Testing						
County		Agency	# mosquitoes submitted & identified	# pooled samples tested	# pooled samples pending	WNV (+)
Henry	32	Henry County Health Department	1,260	38	0	12
Hocking	33	Hocking County Health Department	7,746	266	0	13
Holmes	34	Holmes County Health District	1,263	28	0	0
Huron	35	Huron County Public Health	1,587	37	0	8
Jackson	36	Jackson County Health Department	410	12	0	0
Jefferson	37	Jefferson County General Health District	225	9	0	2
Lake	38	Lake County General Health District	20,396	582	0	98
Licking	39	Licking County Health Department	8,477	227	0	48
	40	Village of Hebron	4,608	116	0	27
Lorain	41	Lorain County Public Health	5,936	138	0	26
Lucas	42	Toledo Area Sanitary District	44,745	1,538	20	292
Mahoning	43	Youngstown City Health District	787	25	0	10
Marion	44	Marion Public Health	3	1	0	0
Medina	45	Medina County Health Department	1,005	131	0	1
Meigs	46	Meigs County Health Department	1,141	41	0	1
Mercer	47	Mercer County Health District	83	9	0	0
Miami	48	Miami County Public Health	1,735	66	0	6
Montgomery	49	Public Health - Dayton & Montgomery County	9,466	410	0	71
Morgan	50	Morgan County General Health District	501	42	0	2
Morrow	51	Morrow County Health District	842	24	0	7
Muskingum	52	Zanesville-Muskingum County Health Department	211	17	0	0
Noble	53	Noble County Health Department	676	17	0	1
Ottawa	54	Ottawa County Health Department	2,148	58	0	20
	55	Village of Elmore	227	9	0	0
Perry	56	Perry County General Health District	73	7	0	0
Pickaway	57	Pickaway County General Health District	4,147	137	29	35
Portage	58	Kent City Health Department	26,467	566	0	55
	59	Portage County Health District	4,407	142	1	33
Preble	60	Preble County Health Department	84	5	0	0
Putnam	61	Putnam County Health Department	266	13	0	0
Richland	62	Richland Public Health	13,730	444	0	39
	63	Shelby City Health Department	55	17	0	0
Ross	64	Ross County Health District	4,362	131	0	10
Scioto	65	Portsmouth City Health Department	1,995	75	0	16
	66	Scioto County Health Department	2,957	96	0	12
Seneca	67	Seneca County General Health District	1,541	35	0	16
Shelby	68	City of Sidney	110	9	0	0
Stark	69	Canton City Public Health	1,487	85	0	18
	70	Stark County Health Department	16,827	500	0	85
Summit	71	Barberton-Norton Mosquito Abatement District	36,508	1,084	0	112
	72	Summit County Public Health	90,716	2,454	0	534
Trumbull	73	Trumbull County Combined Health District	268	32	0	3

2018* Mosquitoes Submitted to ODH ZDP for Arbovirus Testing						
County	Agency		# mosquitoes submitted & identified	# pooled samples tested	# pooled samples pending	WNV (+)
Tuscarawas	74	New Philadelphia City Health Department	1,580	51	0	10
	75	Tuscarawas County Health Department	4,661	130	0	19
Union	76	Union County Health Department	716	28	0	5
Vinton	77	Vinton County Health Department	184	20	4	2
Warren	78	Warren County Health District	12,130	283	0	53
Washington	79	Washington County Health Department	1,148	28	0	13
Williams	80	Williams County Health Department	536	18	0	5
Wood	81	Bowling Green State University	11,325	197	0	34
Wyandot	82	Wyandot County Public Health	539	24	0	3
Totals:			549,387	16,559	113	3,220

*Updated 10/01/2018

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

2018 Mosquito Species Identified	
Species	#
<i>Aedes albopictus</i>	2,891
<i>Aedes atropalpus</i>	14
<i>Aedes aurifer</i>	36
<i>Aedes canadensis</i>	479
<i>Aedes cantator</i>	1,330
<i>Aedes cinereus</i>	71
<i>Aedes dorsalis</i>	2
<i>Aedes excrucians</i>	37
<i>Aedes flavescens</i>	4
<i>Aedes grossbecki</i>	319
<i>Aedes hendersoni</i>	91
<i>Aedes implicatus</i>	51
<i>Aedes intrudens</i>	2
<i>Aedes japonicus</i>	24,617
<i>Aedes mitchellae</i>	1
<i>Aedes sollicitans</i>	797
<i>Aedes sp.</i>	1,323
<i>Aedes sticticus</i>	608
<i>Aedes stimulans</i>	1,241
<i>Aedes triseriatus</i>	2,774
<i>Aedes trivittatus</i>	4,069
<i>Aedes vexans</i>	3,768
<i>Anopheles barberi</i>	221
<i>Anopheles perplexens</i>	2
<i>Anopheles punctipennis</i>	1,264

Breakdown of <i>Aedes albopictus</i> Mosquitoes Identified		
County	Agency	#
Adams	Adams County Health Department	2
Ashland	Ashland County-City Health Department	164
Athens	Athens City-County Health Department	62
Belmont	Belmont County Health Department	1
Brown	Brown County Health Department	3
Butler	Butler County Health Department	197
Clark	Clark County Combined Health District	208
Clermont	Clermont County Public Health	91
Cuyahoga	Cuyahoga County Board of Health	11
Delaware	Delaware General Health District	55
Fairfield	Fairfield Department of Health	27
Franklin	Columbus Public Health	23
Gallia	Gallia County Health Department	18
Greene	Greene County Public Health	4
Hamilton	Hamilton County Public Health	143
	Cincinnati Health Department	277
Hocking	Hocking County Health Department	214
Jackson	Jackson County Health Department	6
Lake	Lake County General Health District	15
Licking	Licking County Health Department	5
Meigs	Meigs County Health Department	110
Miami	Miami County Public Health	7
Montgomery	Public Health - Dayton & Montgomery County	363
Morgan	Morgan County General Health District	34
Muskingum	Zanesville-Muskingum County Health Department	8

2018 Mosquito Species Identified	
Species	#
<i>Anopheles quadrimaculatus</i>	1,135
<i>Anopheles sp.</i>	24
<i>Anopheles walkeri</i>	61
<i>Coquillettidia perturbans</i>	1,496
<i>Culex sp.</i>	499,917
<i>Culiseta impatiens</i>	47
<i>Culiseta inornata</i>	87
<i>Culiseta melanura</i>	22
<i>Culiseta sp.</i>	3
<i>Orthopodomyia signifera</i>	34
<i>Psorophora ciliata</i>	3
<i>Psorophora columbiae</i>	1
<i>Psorophora discolor</i>	83
<i>Psorophora ferox</i>	303
<i>Psorophora horrida</i>	43
<i>Psorophora howardii</i>	1
<i>Toxorhynchites sp.</i>	29
<i>Uranotaenia sapphirina</i>	85
<i>Wyeomyia smithii</i>	1
Total:	549,387

Breakdown of <i>Aedes albopictus</i> Mosquitoes Identified		
County	Agency	#
Noble	Noble County Health Department	3
Pickaway	Pickaway County General Health District	131
Portage	Kent City Health Department	1
Ross	Ross County Health District	176
Scioto	Scioto County Health Department	116
	Portsmouth City Health Department	334
Stark	Stark County Health Department	2
	Canton City Public Health	20
Summit	Barberton-Norton Mosquito Abatement District	9
	Summit County Public Health	16
Union	Union County Health Department	1
Vinton	Vinton County Health Department	4
Warren	Warren County Health District	15
Washington	Washington County Health Department	15
Total:		2,891