

Mosquito Surveillance in Ohio September 4, 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 09/04/2018:

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	4,081	196	0	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	4,982	162	0	19
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	5,308	193	0	6
Carroll	9	Carroll County General Health District	219	7	0	0
Champaign	10	Champaign Health District	89	4	3	0
Clark	11	Clark County Combined Health District	1,904	156	7	9
Clermont	12	Clermont County Public Health	6,648	195	0	12
Columbiana	13	Columbiana County Health District	314	16	10	0
Coshocton	14	Coshocton City Health Department	405	14	1	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	2,642	315	0	5
Fairfield	20	Fairfield Department of Health	976	81	4	4
Fayette	21	Fayette County Health Department	127	5	0	0
Franklin	22	Columbus Public Health	70,722	1,695	0	597
	23	Franklin County Public Health	55,966	1,446	173	361
Gallia	24	Gallia County Health Department	798	24	0	0
Geauga	25	Geauga County Health District	96	6	0	1
	26	Village of Middlefield	376	8	0	0
Greene	27	Greene County Public Health	614	41	0	2
Guernsey	28	Cambridge-Guernsey County Health Department	479	14	0	2
Hamilton	29	Cincinnati Health Department	2,192	88	0	6
	30	Hamilton County Public Health	2,191	105	0	2
Hancock	31	Hancock Public Health	3,660	145	9	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	6,461	224	0	6
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	16,696	464	0	77
Licking	39	Licking County Health Department	8,081	217	0	41
	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	43,551	1,392	54	256
Mahoning	43	Youngstown City Health District	787	25	0	10
Medina	44	Medina County Health Department	1,005	131	0	1
Meigs	45	Meigs County Health Department	1,038	31	5	1
Mercer	46	Mercer County Health District	83	9	0	0
Miami	47	Miami County Public Health	1,735	62	4	6
Montgomery	48	Public Health - Dayton & Montgomery County	8,314	356	0	56
Morgan	49	Morgan County General Health District	501	42	0	2
Morrow	50	Morrow County Health District	819	24	0	7
Muskingum	51	Zanesville-Muskingum County Health Department	211	17	0	0
Noble	52	Noble County Health Department	676	17	0	1
Ottawa	53	Ottawa County Health Department	2,148	58	0	20
	54	Village of Elmore	227	9	0	0
Perry	55	Perry County General Health District	73	7	0	0
Pickaway	56	Pickaway County General Health District	810	44	17	1
Portage	57	Kent City Health Department	28,233	615	0	60
	58	Portage County Health District	3,883	114	0	26
Preble	59	Preble County Health Department	71	3	0	0
Putnam	60	Putnam County Health Department	266	13	0	0
Richland	61	Richland Public Health	11,989	371	13	20
	62	Shelby City Health Department	52	13	3	0
Ross	63	Ross County Health District	4,362	117	14	8
Scioto	64	Portsmouth City Health Department	1,367	48	2	12
	65	Scioto County Health Department	2,546	84	0	9
Seneca	66	Seneca County General Health District	1,541	35	0	16
Shelby	67	City of Sidney	76	6	0	0
Stark	68	Canton City Public Health	1,487	85	0	18
	69	Stark County Health Department	14,233	428	0	46
Summit	70	Barberton-Norton Mosquito Abatement District	33,035	895	31	77
	71	Summit County Public Health	90,716	2,430	24	525
Trumbull	72	Trumbull County Combined Health District	268	32	0	3
Tuscarawas	73	New Philadelphia City Health Department	1,580	51	0	10

2018* Mosquitoes Submitted to ODH ZDP for Arbovirus Testing						
County	Agency		# mosquitoes submitted & identified	# pooled samples tested	# pooled samples pending	WNV (+)
	74	Tuscarawas County Health Department	4,661	130	0	19
Union	75	Union County Health Department	716	28	0	5
Vinton	76	Vinton County Health Department	144	17	1	1
Warren	77	Warren County Health District	10,208	232	0	42
Washington	78	Washington County Health Department	1,148	28	0	13
Williams	79	Williams County Health Department	536	18	0	5
Wood	80	Bowling Green State University	10,634	169	0	22
Wyandot	81	Wyandot County Public Health	437	18	0	2
Totals:			506,774	14,714	375	2,592

*Updated 09/04/2018

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>	2,226
<i>Aedes atropalpus</i>	14
<i>Aedes aurifer</i>	36
<i>Aedes canadensis</i>	479
<i>Aedes cantator</i>	1,301
<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>	31
<i>Aedes implicatus</i>	51
<i>Aedes intrudens</i>	2
<i>Aedes japonicus</i>	22,214
<i>Aedes mitchellae</i>	1
<i>Aedes sollicitans</i>	771
<i>Aedes sp.</i>	1,228
<i>Aedes sticticus</i>	607
<i>Aedes stimulans</i>	1,234
<i>Aedes triseriatus</i>	2,377
<i>Aedes trivittatus</i>	3,963
<i>Aedes vexans</i>	3,699
<i>Anopheles barberi</i>	171
<i>Anopheles perplexens</i>	2
<i>Anopheles punctipennis</i>	1,146

Breakdown of <i>Aedes albopictus</i> Mosquitoes Identified		
County	Agency	#
Adams	Adams County Health Department	2
Ashland	Ashland County-City Health Department	145
Athens	Athens City-County Health Department	31
Belmont	Belmont County Health Department	1
Brown	Brown County Health Department	3
Butler	Butler County Health Department	165
Clark	Clark County Combined Health District	205
Clermont	Clermont County Public Health	91
Cuyahoga	Cuyahoga County Board of Health	11
Delaware	Delaware General Health District	40
Fairfield	Fairfield Department of Health	27
Franklin	Columbus Public Health	18
Gallia	Gallia County Health Department	18
Greene	Greene County Public Health	1
Hamilton	Hamilton County Public Health	143
	Cincinnati Health Department	137
Hocking	Hocking County Health Department	141
Jackson	Jackson County Health Department	6
Lake	Lake County General Health District	14
Licking	Licking County Health Department	3
Meigs	Meigs County Health Department	59
Miami	Miami County Public Health	7
Montgomery	Public Health - Dayton & Montgomery County	280
Morgan	Morgan County General Health District	34
Muskingum	Zanesville-Muskingum County Health Department	8

2018 Mosquito Species Identified	
Species	#
<i>Anopheles quadrimaculatus</i>	984
<i>Anopheles sp.</i>	24
<i>Anopheles walkeri</i>	61
<i>Coquillettidia perturbans</i>	1,489
<i>Culex sp.</i>	461,636
<i>Culiseta impatiens</i>	47
<i>Culiseta inornata</i>	87
<i>Culiseta melanura</i>	20
<i>Culiseta sp.</i>	3
<i>Orthopodomyia signifera</i>	28
<i>Psorophora ciliata</i>	3
<i>Psorophora ferox</i>	291
<i>Psorophora horrida</i>	43
<i>Psorophora howardii</i>	1
<i>Toxorhynchites sp.</i>	22
<i>Uranotaenia sapphirina</i>	49
Total:	506,774

Breakdown of <i>Aedes albopictus</i> Mosquitoes Identified		
County	Agency	#
Noble	Noble County Health Department	3
Pickaway	Pickaway County General Health District	53
Portage	Kent City Health Department	1
Ross	Ross County Health District	176
Scioto	Scioto County Health Department	90
	Portsmouth City Health Department	238
Stark	Stark County Health Department	1
	Canton City Public Health	20
Summit	Barberton-Norton Mosquito Abatement District	8
	Summit County Public Health	16
Union	Union County Health Department	1
Vinton	Vinton County Health Department	4
Warren	Warren County Health District	10
Washington	Washington County Health Department	15
Total:		2,226