

Vermont Mosquito Trapping Statistics for 2009 Season

Table showing Mosquito Species Collected and Tested for WNV in 2009

Species	Collected	% Collected	WNV Tested	% WNV Tested	EEE Tested	% EEE Tested	SLE Tested	%SLE Tested
Aedes vexans	34518	43.85%	1199	5.27%	1182	45.65%	1182	45.65%
Culex pipiens-restuans	19457	24.72%	19254	84.69%	5	0.19%	5	0.19%
Ochlerotatus trivittatus	8363	10.62%	442	1.94%	442	17.07%	442	17.07%
Coquillettidia perturbans	6952	8.83%	18	0.08%	18	0.70%	18	0.70%
Ochlerotatus sticticus	1714	2.18%						
Anopheles punctipennis	1358	1.73%	249	1.10%	249	9.62%	249	9.62%
Aedes cinereus	1240	1.58%	22	0.10%	22	0.85%	22	0.85%
Ochlerotatus japonicus	1102	1.40%	729	3.21%		0.00%		
Psorophora ferox	910	1.16%	8	0.04%	8	0.31%	8	0.31%
Ochlerotatus canadensis	564	0.72%						
Culiseta melanura	527	0.67%	298	1.31%	298	11.51%	298	11.51%
Ochlerotatus stimulans	231	0.29%						
Culex pipiens	229	0.29%	181	0.80%	48	1.85%	48	1.85%
Anopheles quadrimaculatus	221	0.28%	195	0.86%	195	7.53%	195	7.53%
Ochlerotatus triseriatus	219	0.28%	48	0.21%	29	1.12%	29	1.12%
Uranotaenia sapphirina	174	0.22%	4	0.02%	4	0.15%	4	0.15%
Ochlerotatus intrudens	129	0.16%						
Culiseta morsitans	110	0.14%	43	0.19%	43	1.66%	43	1.66%
Culex territans	108	0.14%	39	0.17%	39	1.51%	39	1.51%
Anopheles walkeri	106	0.13%	4	0.02%	4	0.15%	4	0.15%
Culex restuans	95	0.12%	3	0.01%	3	0.12%	3	0.12%
Ochlerotatus atropalpus	70	0.09%						
Anopheles earlei	68	0.09%						
Ochlerotatus provocans	57	0.07%						
Ochlerotatus punctor	56	0.07%						
Ochlerotatus excrucians	54	0.07%						
Ochlerotatus communis	39	0.05%						
Ochlerotatus fitchii	14	0.02%						
Ochlerotatus abserratus	12	0.02%						
Culex salinarius	10	0.01%						
Ochlerotatus aurifer	10	0.01%						
Ochlerotatus dantaesus	2	0.00%						
Culiseta minnesotae	2	0.00%						
Psorophora ciliata	1	0.00%						
Ochlerotatus decticus	1	0.00%						
Ochlerotatus euedes	1	0.00%						
Totals	78724	100.00%	22736	100.00%	2589	100.00%	2589	100.00%

- Number of active trap locations – 46
We used multiple traps at some sites to obtain enough mosquitoes to test.
- Number of CDC Light trap nights baited with Octenol and CO2 - 114
- Number of mosquitoes collected in CDC Light Traps – 57,057
- Number of Gravid trap nights using cow manure attractant – 253
- Number of mosquitoes collected in Gravid Traps – 20,800
- Number of Resting Box trap nights – 544
- Number of mosquitoes collected Resting Box traps – 866
- Total number of mosquito pool samples tested – 684
484 using PCR and 198 using triple VecTest® (SNV, EEE, SLE)
- Total Number of WNV Positive Mosquito Pools – 12 (11 by VecTest®)
- We found WNV in the following towns, reported by earliest town, date(s) of additional WNV positive pools and respective mosquito species in each mosquito pool
 - *Brandon - 8/4/09, 8/25/09, 2/25/09 - Culiseta melanura, Culiseta melanura, Culiseta melanura
 - Leicester - 8/4/09 - Culiseta melanura
 - Putney - 8/10/09 - Culiseta melanura
 - Westminster - 8/11/09 - , Culex restuans/pipiens mixed
 - *Cornwall - 8/24/09, 9/8/09, 9/9/09, 9/9/09, 9/21/09 - Culiseta melanura, Culiseta melanura, Culiseta melanura, Culiseta morsitans, Culiseta melanura
 - Highgate - 10/2/09 - Culex pipiens
 - *foci of viral activity, all bird-feeding species
- Number of mosquitoes tested for WNV – 22,736
- No EEE virus was found in Vermont this year – we tested 201 mosquito pools for EEE
- Number of mosquitoes tested for EEE – 2,589
- No SLE virus was found in Vermont this year – we tested 201 mosquito pools for SLE
- Number of mosquito pools tested for SLE– 2,589
- Number of species (out of 45 on state list) trapped – 36 species
- Number of counties where mosquitoes were collected – 10

Table showing county and number of weeks in 2009 that traps were run

County Name	# of Weeks
Addison	9
Chittenden	1
Franklin	2
Grand Isle	2
Orange	2
Rutland	9
Windham	7
Windsor	8

- Missing counties: 6
- Number of counties trapped 2 weeks or more – 7
- Number of towns trapped – 19
- Percentage of these towns with WNV activity – 31.5%