

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 6

Culiseta melanura Monitor

July 8 - 14, 2006

Coastal Resting Boxes						Inland Resting Boxes					
Sites	Mean From Previous Years	No. Per Box For This Collection	Total Collected to Date	Total Pools Submitted to Date	EEE Isolations To Date	Sites	Mean From Previous Years	No. Per Box For This Collection	Total Collected to Date	Total Pools Submitted to Date	EEE Isolations To Date
Green Bank (Burlington Co.)	2.4	0.3	114	20	0	Waterford (Camden Co.)	0.8	<0.1	12	8	0
Corbin City (Atlantic Co.)	0.7	0.3	109	22	0	Centerton (Salem Co.)	3.0	1.2	162	17	0
Dennisville (Cape May Co.)	4.1	0.8	895	31	0	Turkey Swamp (Monmouth Co.)	1.2	0.4	73	20	0

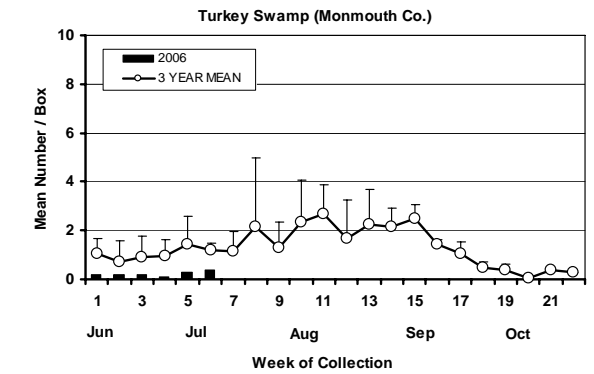
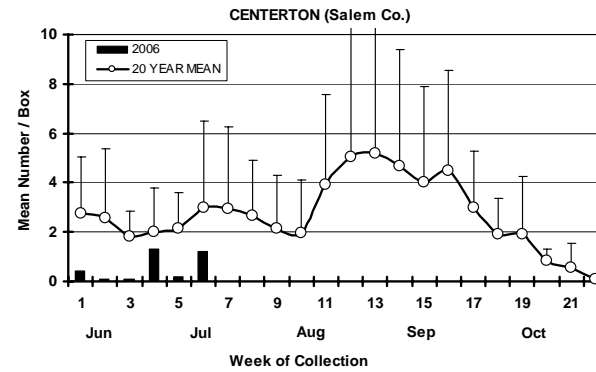
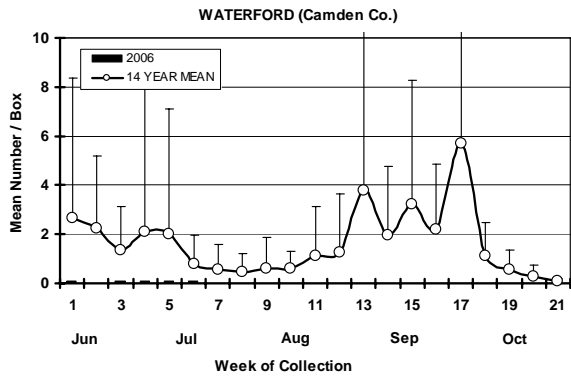
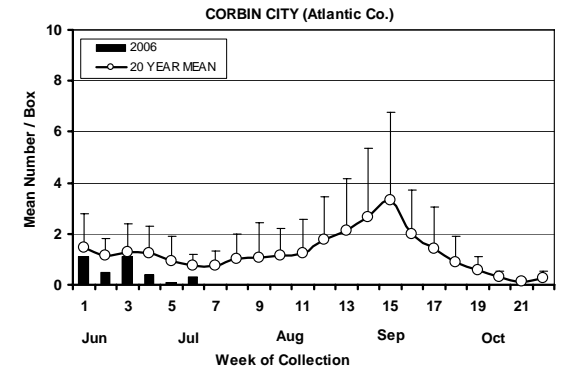
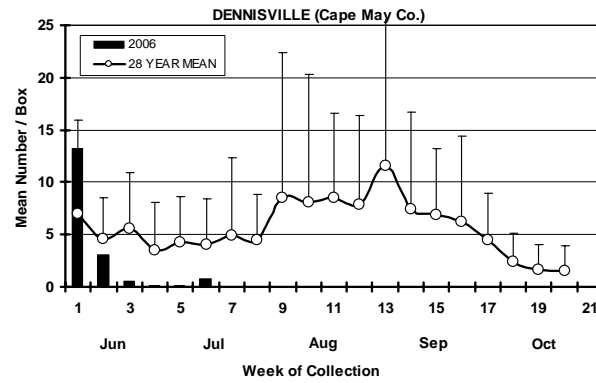
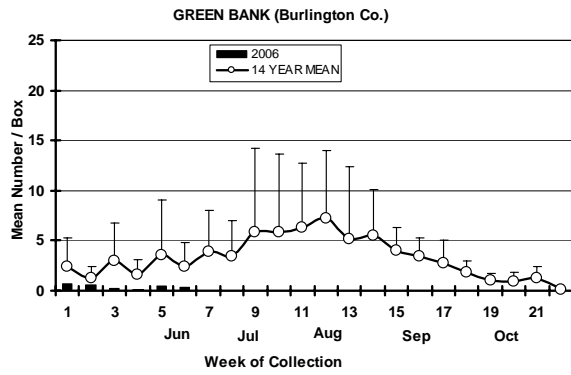
Collections submitted to PHEL for West Nile Virus testing

Species	<i>Cx. pip</i>	<i>Cx. rest</i>	<i>Cx. sal</i>	<i>Cx. spp.</i>	<i>Cs. mel</i>	<i>Ae. vex</i>	<i>Oc. cana</i>	<i>Oc. triv</i>	<i>Oc. tris</i>	<i>Oc. soll.</i>	<i>Oc. jap</i>	<i>Ae. albo</i>	Other	TOTALS
No. Pools	25	9	6	218	117	18	1	6	12	3	25	13	23	476
Total Specimens	307	175	40	1,047	1,365	310	1	220	31	11	154	100	9,141	12,902
No. Positive Pools	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remarks: *Culiseta melanura* populations remain low at all of the study sites being monitored for EEE in New Jersey. If the trend continues, the potential for virus amplification would be reduced. Long term population records, however, show that *Cs. melanura* populations can increase significantly during July and August. As a result, sufficient time still remains to reverse the current outlook. Mosquitoes submitted for WNV tests have increased in recent weeks with nearly 13,000 specimens in this year's database, to date. No positives have been detected in New Jersey samples but New York, Pennsylvania and Connecticut have found virus in *Culex spp.* indicating that WNV is in the early stages of amplification in the northeast.

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Culiseta melanura Population Graphs



Mosquito Species Submitted for West Nile Virus Testing through July 14, 2006

County	Pools	Mosquitoes	Positives
<i>Aedes albopictus</i>	13	100	0
<i>Aedes vexans</i>	18	310	0
<i>Anopheles punctipennis</i>	4	11	0
<i>Anopheles quadrimaculatus</i>	1	1	0
<i>Anopheles walkeri</i>	1	11	0
<i>Coquillettidia perturbans</i>	5	79	0
<i>Cs. melanura</i>	117	1365	0
<i>Culex pipiens</i>	25	307	0
<i>Culex restuans</i>	9	175	0
<i>Culex salinarius</i>	6	40	0
<i>Culex spp.</i>	218	10047	0
<i>Ochlerotatus canadensis</i>	1	1	0
<i>Ochlerotatus cantator</i>	2	12	0
<i>Ochlerotatus japonicus</i>	25	154	0
<i>Ochlerotatus sollicitans</i>	3	11	0
<i>Ochlerotatus sticticus</i>	2	17	0
<i>Ochlerotatus stimulans</i>	2	2	0
<i>Ochlerotatus taeniorhynchus</i>	1	2	0
<i>Ochlerotatus triseriatus</i>	12	31	0
<i>Ochlerotatus trivittatus</i>	6	220	0
<i>Psorophora columbiae</i>	2	2	0
<i>Psorophora ferox</i>	3	4	0
Grand Total	476	12902	0

Submission by County through July 14, 2006

County	Species	Pools	Mosquitoes	Positives
Atlantic		37	590	0
	Aedes albopictus	2	34	
	Aedes vexans	3	72	
	Culiseta melanura	22	109	
	Culex spp.	8	363	
	Ochlerotatus cantator	1	11	
	Ochlerotatus triseriatus	1	1	
Bergen		15	1125	0
	Culex spp.	15	1125	
Burlington		31	188	0
	Aedes albopictus	4	22	
	Aedes vexans	1	9	
	Culiseta melanura	20	114	
	Culex spp.	3	39	
	Ochlerotatus stimulans	2	2	
	Psorophora ferox	1	2	
Camden		22	607	0
	Aedes albopictus	1	10	
	Culiseta melanura	8	12	
	Culex spp.	12	580	
	Ochlerotatus triseriatus	1	5	
Cape May		30	895	0
	Culiseta melanura	30	895	
Essex		8	28	0
	Aedes vexans	3	6	
	Culex spp.	1	1	

	Ochlerotatus sticticus	2	17	
	Ochlerotatus trivittatus	1	3	
	Psorophora ferox	1	1	
Gloucester		30	266	0
	Aedes albopictus	1	1	
	Coquillettidia perturbans	3	13	
	Culex pipiens	21	245	
	Ochlerotatus japonicus	5	7	
Hudson		45	2043	0
	Culex spp.	45	2043	
Hunterdon		25	1250	0
	Culex spp.	25	1250	
Mercer		16	370	0
	Aedes albopictus	3	31	
	Culex pipiens	4	62	
	Culex restuans	4	92	
	Culex spp.	4	180	
	Ochlerotatus japonicus	1	5	
Middlesex		30	1640	0
	Culex spp.	27	1635	
	Ochlerotatus japonicus	3	5	
Monmouth		61	600	0
	Aedes albopictus	2	2	
	Aedes vexans	4	13	
	Culiseta melanura	20	73	
	Culex spp.	20	424	
	Ochlerotatus canadensis	1	1	
	Ochlerotatus cantator	1	1	
	Ochlerotatus japonicus	5	65	

	Ochlerotatus sollicitans	3	11	
	Ochlerotatus taeniorhynchus	1	2	
	Ochlerotatus triseriatus	3	7	
	Psorophora ferox	1	1	
Morris		15	228	0
	Anopheles punctipennis	1	1	
	Culex spp.	9	192	
	Ochlerotatus japonicus	4	34	
	Ochlerotatus triseriatus	1	1	
Ocean		15	261	0
	Culex spp.	14	260	
	Ochlerotatus triseriatus	1	1	
Passaic		8	420	0
	Culex spp.	8	420	
Salem		32	284	0
	Aedes vexans	2	6	
	Anopheles quadrimaculatus	1	1	
	Culiseta. melanura	17	162	
	Culex restuans	5	83	
	Culex salinarius	5	30	
	Psorophora columbiae	2	2	
Somerset		11	306	0
	Culex spp.	6	268	
	Ochlerotatus japonicus	3	26	
	Ochlerotatus triseriatus	2	12	
Sussex		17	546	0
	Aedes vexans	4	202	
	Anopheles punctipennis	2	8	
	Anopheles walkeri	1	11	

	Coquillettidia perturbans	2	66	
	Culex salinarius	1	10	
	Culex spp.	2	32	
	Ochlerotatus triseriatus	1	2	
	Ochlerotatus trivittatus	4	215	
Union		3	93	0
	Culex spp.	3	93	
Warren		25	1162	0
	Aedes vexans	1	2	
	Anopheles punctipennis	1	2	
	Culex spp.	16	1142	
	Ochlerotatus japonicus	4	12	
	Ochlerotatus triseriatus	2	2	
	Ochlerotatus trivittatus	1	2	
Grand Total		476	12902	0