

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 7

Culiseta melanura Monitor July 11 - 17, 2005

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.)	4.2	0.2	373	24	0	Waterford (Camden Co.)	0.6	0	87	10	0
Corbin City (Atlantic Co.)	0.7	1.2	190	23	0	Centerton (Salem Co.)	3.0	1.9	238	22	0
Dennisville (Cape May Co.)	5.0	2.1	2,308	59	0	Turkey Swamp (Monmouth Co.)	0.3	1.9	213	26	0

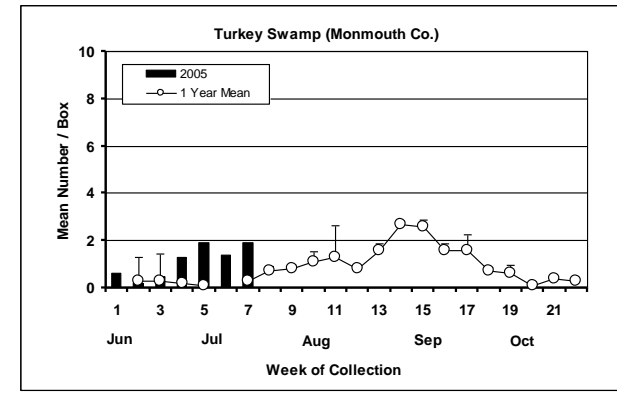
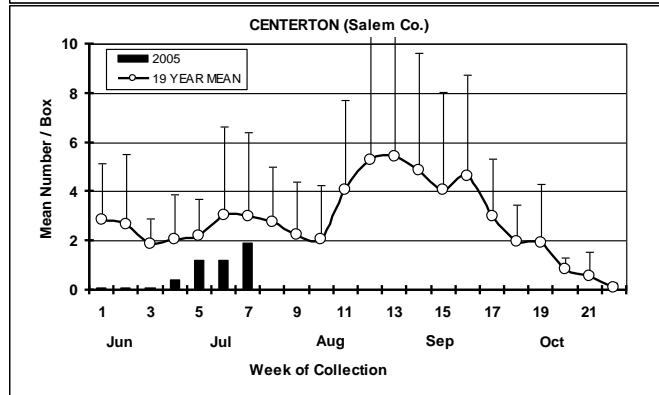
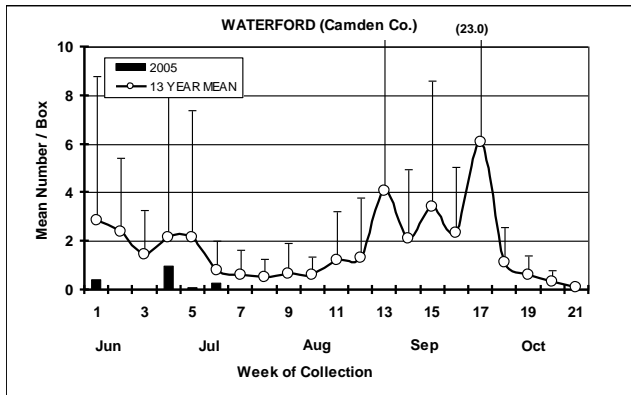
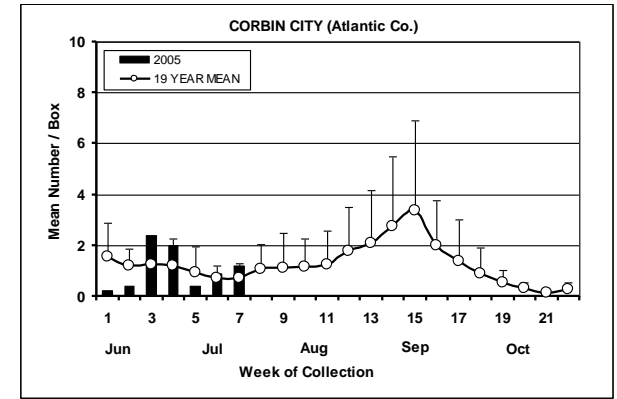
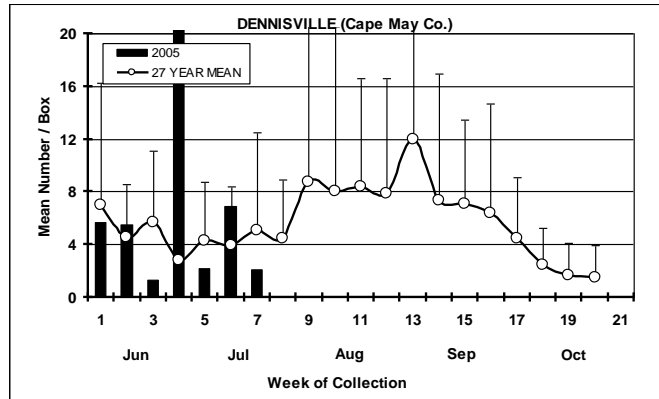
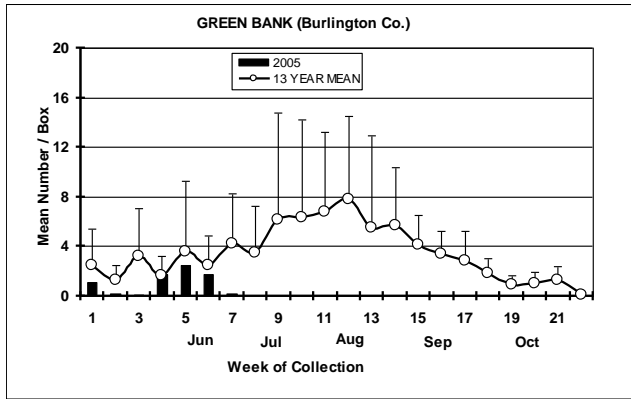
Collections submitted to PHEL for West Nile Virus testing

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	54	52	8	418	219	11	3	2	26	5	92	12	70	972
Total Specimens	1,711	1,059	83	16,162	3,963	203	77	39	128	129	421	72	568	24,615
No. Positive Pools	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remarks: *Culiseta melanura* populations appear to have leveled off at most sites after atypical increases during the month of June. The stage has been set, however, for amplification of EEE in the southern half of the state if virus is present in local bird populations. No virus has been detected in any of the samples tested to date. Every week that New Jersey experiences without evidence of virus from this point on in the season lessens the chances for epornitic activity and late season transfer of EEE to mammalian hosts. Accelerated WNV surveillance is now underway with all 21 of New Jersey's county mosquito control agencies submitting specimens for virus testing. The absence of WNV in any of the bird feeding mosquito species points toward low level activity at best. Virus tests on a similar number of specimens collected through mid-July a year ago resulted in 7 WNV positives from *Cx. restuans*, *Cs. melanura* and the *Culex* mix.

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Culiseta melanura Population Graphs



**Mosquito Species Submitted for West Nile Virus Testing through
July 15, 2005**

Species	No. Pools	Total Mosquitoes	No. Positives
Ae. albopictus	12	72	
Ae. cinereus	2	7	
Ae. vexans	11	203	
An. barberi	2	2	
An. punctipennis	11	27	
An. quadrimaculatus	9	13	
Cq. perturbans	19	329	
Cs. melanura	219	3963	
Cs. morsitans	1	4	
Cx. mix	418	16162	
Cx. pipiens	54	1711	
Cx. restuans	52	1059	
Cx. salinarius	8	83	
Oc. abserratus	1	11	
Oc. atlanticus	1	5	
Oc. canadensis	3	77	
Oc. cantator	5	6	
Oc. grossbecki	5	10	
Oc. japonicus	92	421	
Oc. mitchellae	1	1	
Oc. sollicitans	5	129	
Oc. sticticus	3	10	
Oc. stimulans	2	21	
Oc. taeniorhynchus	1	7	
Oc. triseriatus	26	128	
Oc. trivittatus	2	39	
Or. signifera	1	1	
Ps. ciliata	1	1	
Ps. columbiae	2	9	
Ps. ferox	3	104	
Grand Total	972	24615	0

Submissions by County through July 15, 2005

County	Species	Pools	Mosquitoes	Positives
Atlantic		68	1834	0
	Ae. albopictus	4	45	
	Ae. vexans	2	50	
	Cq. perturbans	6	253	
	Cs. melanura	24	196	
	Cx. mix	25	1147	
	Oc. japonicus	2	10	
	Oc. triseriatus	3	33	
	Ps. ferox	2	100	
Bergen		36	2597	0
	Cx. mix	30	2250	
	Cx. pipiens	4	300	
	Cx. restuans	1	45	
	Cx. salinarius	1	2	
Burlington		71	685	0
	Ae. albopictus	2	15	
	Ae. cinereus	2	7	
	Ae. vexans	3	93	
	An. barberi	1	1	
	An. punctipennis	2	6	
	An. quadrimaculatus	2	2	
	Cq. perturbans	3	8	
	Cs. melanura	24	373	
	Cx. mix	8	64	
	Cx. pipiens	1	2	
	Cx. salinarius	1	3	
	Oc. abserratus	1	11	
	Oc. canadensis	1	1	
	Oc. grossbecki	3	8	
	Oc. japonicus	2	20	
	Oc. mitchellae	1	1	
	Oc. sticticus	2	9	
	Oc. stimulans	2	21	
	Oc. triseriatus	5	25	
	Oc. trivittatus	1	4	
	Or. signifera	1	1	
	Ps. ciliata	1	1	
	Ps. columbiae	2	9	
Camden		25	421	0
	Ae. albopictus	1	1	
	Cs. melanura	10	87	
	Cx. mix	9	314	
	Oc. japonicus	5	19	
Cape May		105	3269	0
	Ae. albopictus	1	5	
	Cq. perturbans	1	21	

	Cs. melanura	74	2740	
	Cx. pipiens	4	36	
	Cx. restuans	23	431	
	Cx. salinarius	1	32	
	Oc. triseriatus	1	4	
Cumberland		60	143	0
	An. punctipennis	5	7	
	An. quadrimaculatus	5	7	
	Cs. melanura	38	114	
	Cx. mix	8	11	
	Oc. canadensis	1	1	
	Oc. cantator	1	1	
	Oc. grossbecki	1	1	
	Oc. sticticus	1	1	
Essex		13	79	0
	Ae. albopictus	1	1	
	Ae. vexans	1	9	
	Cx. mix	7	59	
	Oc. japonicus	4	10	
Gloucester		45	973	0
	Ae. vexans	1	1	
	An. punctipennis	1	2	
	Cx. pipiens	31	917	
	Oc. japonicus	9	48	
	Oc. triseriatus	3	5	
Hudson		31	470	0
	Cx. mix	31	470	
Hunterdon		23	1086	0
	Cx. mix	23	1086	
Mercer		45	1304	0
	Ae. albopictus	2	4	
	An. punctipennis	1	7	
	An. quadrimaculatus	1	3	
	Cs. melanura	1	2	
	Cx. mix	13	637	
	Cx. pipiens	8	390	
	Cx. restuans	16	245	
	Cx. salinarius	1	9	
	Oc. japonicus	2	7	
Middlesex		79	3022	0
	Cx. mix	63	2732	
	Cx. pipiens	3	27	
	Cx. restuans	5	233	
	Oc. japonicus	6	19	
	Oc. triseriatus	2	11	

Monmouth		86	1510	0
	Ae. vexans	2	33	
	An. barberi	1	1	
	Cq. perturbans	1	2	
	Cs. melanura	26	213	
	Cx. mix	35	1086	
	Oc. cantator	4	5	
	Oc. japonicus	7	18	
	Oc. sollicitans	5	129	
	Oc. taeniorhynchus	1	7	
	Oc. triseriatus	4	16	
Morris		44	969	0
	Ae. vexans	2	17	
	Cq. perturbans	2	5	
	Cx. mix	23	898	
	Oc. japonicus	15	44	
	Oc. triseriatus	1	1	
	Ps. ferox	1	4	
Ocean		45	1203	0
	Cs. morsitans	1	4	
	Cx. mix	28	980	
	Cx. restuans	5	73	
	Cx. salinarius	4	37	
	Oc. atlanticus	1	5	
	Oc. canadensis	1	75	
	Oc. japonicus	5	29	
Passaic		23	1108	0
	Cx. mix	18	1064	
	Oc. japonicus	4	38	
	Oc. triseriatus	1	6	
Salem		65	707	0
	An. punctipennis	1	1	
	An. quadrimaculatus	1	1	
	Cq. perturbans	4	8	
	Cs. melanura	22	238	
	Cx. mix	27	441	
	Oc. japonicus	9	17	
	Oc. triseriatus	1	1	
Somerset		33	678	0
	Cx. mix	23	616	
	Oc. japonicus	7	40	
	Oc. triseriatus	3	22	
Sussex		21	425	0
	Cx. mix	13	356	
	Cx. pipiens	1	11	
	Oc. japonicus	6	55	
	Oc. triseriatus	1	3	

Union		9	150	0
	Ae. albopictus	1	1	
	Cx. mix	2	85	
	Cx. pipiens	2	28	
	Cx. restuans	2	32	
	Oc. grossbecki	1	1	
	Oc. japonicus	1	3	
Warren		45	1982	0
	An. punctipennis	1	4	
	Cq. perturbans	2	32	
	Cx. mix	32	1866	
	Oc. japonicus	8	44	
	Oc. triseriatus	1	1	
	Oc. trivittatus	1	35	
Grand Total		972	24615	0

