

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 2
(Updated)

Culiseta melanura Monitor June 9-13, 2003

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.)	1.4	0.4	38	8	0	Waterford (Camden Co.)	2.1	0.3	24	5	0
Corbin City (Atlantic Co.)	1.2	0.7	22	7	0	Centerton (Salem Co.)	2.7	1.3	109	8	0
Dennisville (Cape May Co.)	4.4	4.1	103	4	0	Turkey Swamp (Monmouth Co.)	NA	0.3	3	3	0

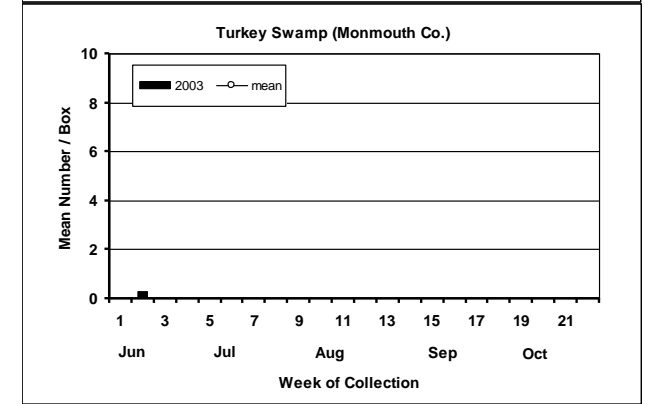
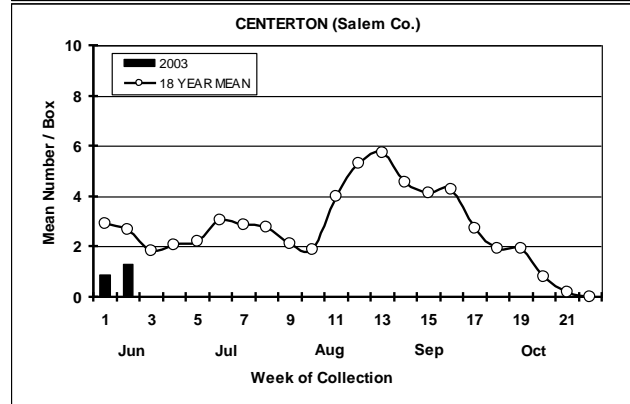
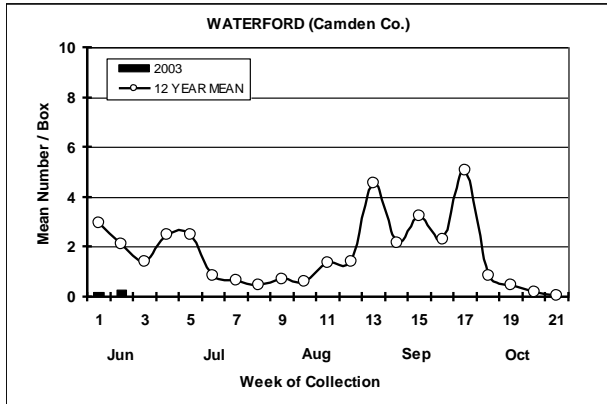
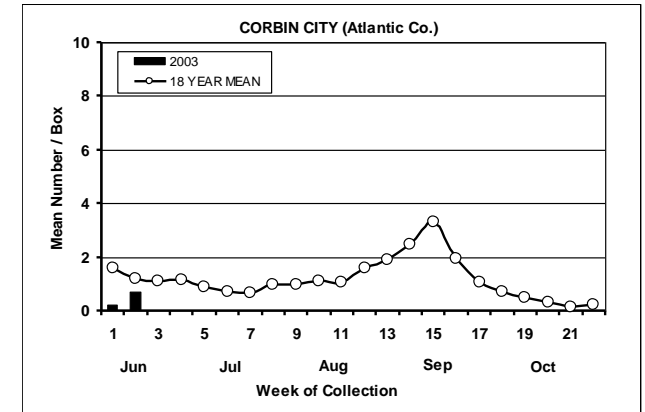
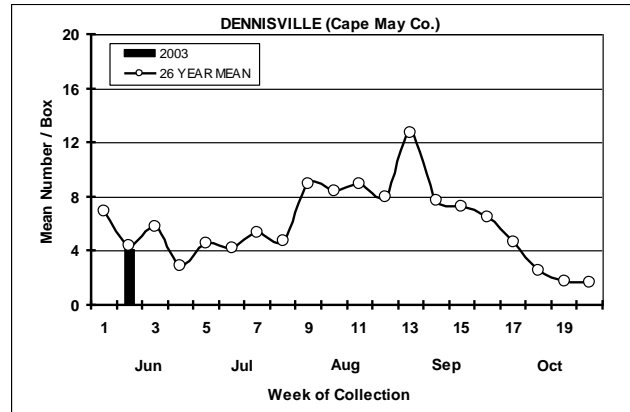
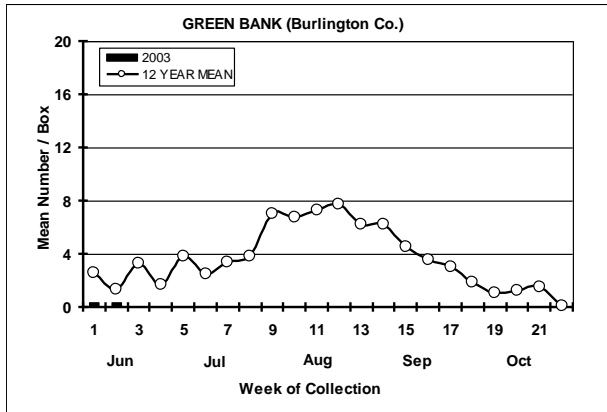
Collections submitted to PHEL for West Nile Virus testing

Species	<i>Cx. pip</i>	<i>Cx. rest</i>	<i>Cx. sal</i>	<i>Cx. spp.</i>	<i>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	61	138	5	603	25	125	1	45	10	64	2	269	1,348
Total Specimens	1,354	3,267	9	14,739	89	3,108	1	114	212	618	13	2,520	26,044
No. Positive Pools	1	0	0	0	0	0	0	0	0	0	0	0	1

Remarks: This week's resting box collections indicate that *Cs. melanura* populations are beginning to approach normal levels for this time of year in some areas of the state. The Cape May County Mosquito Commission submitted collections of 4.4 mosquitoes/box from their Dennisville site suggesting that early spring populations are relatively large in the Delaware Bay area this year. Last year's collections remained lower than average all year throughout the state as a result of early season drought conditions that minimized survival habitat. Populations at Centerton, in Salem Co., also appear to be on the increase suggesting that suitable conditions for amplification of EEE may be developing in southern NJ. Both Florida and South Carolina have already reported equine activity this year. Submission of specimens for WNV testing is progressing nicely with more than 2/3 of the specimens being processed at mosquito control agency facilities. A total of 29 different species have been tested to date. The only positive remains the single pool of *Cx. pipiens* taken from an overwintering site in Monmouth Co. during the month of January.

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Culiseta melanura Population Graphs



Mosquito Species Tested Through June 13, 2003

Species	Pools	Mosquitoes
An. crucians	1	3
Ae. albopictus	2	13
Ae. cinereus	9	17
Ae. vexans	25	89
An. punctipennis	41	142
An. quadrimaculatus	25	68
An. walkeri	2	3
Cq. perturbans	2	2
Cs. inornata	1	2
Cs. melanura	35	218
Cx. erraticus	7	78
Cx. mix	603	14739
Cx. pipiens	61	1354
Cx. restuans	138	3267
Cx. salinarius	5	9
Cx. territans	3	14
Oc. abserratus	2	6
Oc. aurifer	6	124
Oc. canadensis	125	3108
Oc. cantator	65	1040
Oc. excrucians	6	12
Oc. grossbecki	30	432
Oc. japonicus	64	618
Oc. sollicitans	10	212
Oc. sticticus	16	196
Oc. stimulans	16	161
Oc. triseriatus	45	114
Oc. trivittatus	1	1
An. barberi	1	1
Oc. taeniorhynchus	1	1
Grand Total	1348	26044

Mosquito Collections by County Through June 13, 2003

County	Species	Pools	Mosquitoes	Positives
Atlantic		95	3472	0
	Ae. vexans	1	27	
	Cs. melanura	5	56	
	Cx. mix	44	1782	
	Oc. canadensis	18	792	
	Oc. cantator	17	629	
	Oc. grossbecki	4	59	
	Oc. sollicitans	2	53	
	Oc. sticticus	4	74	
Bergen		127	4366	0
	An. punctipennis	1	2	
	An. quadrimaculatus	4	4	
	Cx. mix	86	3877	
	Cx. pipiens	5	96	
	Cx. restuans	3	12	
	Oc. canadensis	1	7	
	Oc. japonicus	18	336	
	Oc. sticticus	1	15	
	Oc. triseriatus	8	17	
Burlington		95	944	0
	An. crucians	1	3	
	Ae. cinereus	4	4	
	Ae. vexans	6	13	
	An. punctipennis	5	10	
	Cs. melanura	8	38	
	Cx. mix	40	653	
	Cx. restuans	1	1	
	Cx. salinarius	2	5	
	Oc. canadensis	15	178	
	Oc. cantator	1	1	
	Oc. grossbecki	7	22	
	Oc. japonicus	1	4	
	Oc. sticticus	1	1	
	Oc. stimulans	2	10	
	Oc. triseriatus	1	1	
Camden		18	123	0
	Ae. vexans	1	1	
	An. punctipennis	2	6	
	Cs. melanura	5	24	
	Cx. mix	4	60	
	Cx. restuans	2	15	
	Oc. canadensis	1	4	
	Oc. grossbecki	2	6	
	Oc. triseriatus	1	7	
Cape May		74	1677	0
	Cx. mix	52	760	
	Oc. canadensis	14	595	
	Oc. cantator	3	101	
	Oc. grossbecki	5	221	

Cumberland		8	138	0
	Ae. vexans	1	1	
	Cx. restuans	6	136	
	Oc. canadensis	1	1	
Essex		16	129	0
	Cx. mix	3	5	
	Oc. canadensis	2	17	
	Oc. sticticus	9	104	
	Oc. stimulans	2	3	
Gloucester		64	1860	0
	Ae. vexans	2	3	
	An. punctipennis	1	1	
	Cx. mix	58	1850	
	Oc. excrucians	2	3	
	Oc. japonicus	1	3	
Hunterdon		18	613	0
	Cx. mix	14	606	
	Oc. triseriatus	4	7	
Mercer		148	2894	0
	Ae. cinereus	1	1	
	Ae. vexans	2	5	
	An. punctipennis	9	46	
	An. quadrimaculatus	2	2	
	Cs. melanura	2	2	
	Cx. mix	10	207	
	Cx. pipiens	8	22	
	Cx. restuans	75	1813	
	Oc. canadensis	26	683	
	Oc. excrucians	2	3	
	Oc. grossbecki	7	105	
	Oc. japonicus	4	5	
Middlesex		31	313	0
	Cx. mix	29	295	
	Oc. cantator	2	18	
Monmouth		184	2260	1
	Ae. vexans	3	24	
	An. punctipennis	2	2	
	An. quadrimaculatus	3	5	
	Cs. melanura	2	4	
	Cx. mix	90	869	
	Cx. pipiens	24	772	
	Cx. restuans	7	130	
	Oc. abserratus	2	6	
	Oc. canadensis	15	237	
	Oc. cantator	15	31	
	Oc. excrucians	1	3	
	Oc. japonicus	8	10	
	Oc. sollicitans	6	157	
	Oc. triseriatus	3	7	
	Oc. trivittatus	1	1	

overwintering

	An. barberi	1	1	
	Oc. taeniorhynchus	1	1	
Morris		40	632	0
	Ae. cinereus	1	1	
	Ae. vexans	1	2	
	An. punctipennis	1	5	
	An. quadrimaculatus	1	1	
	An. walkeri	1	2	
	Cx. mix	7	229	
	Cx. pipiens	4	125	
	Cx. restuans	4	156	
	Oc. aurifer	2	18	
	Oc. canadensis	2	52	
	Oc. grossbecki	1	1	
	Oc. japonicus	5	12	
	Oc. stimulans	1	2	
	Oc. triseriatus	9	26	
Ocean		83	1185	0
	Ae. vexans	3	3	
	Cs. inornata	1	2	
	Cs. melanura	6	44	
	Cx. mix	22	334	
	Cx. restuans	17	510	
	Cx. salinarius	2	3	
	Cx. territans	2	2	
	Oc. canadensis	13	116	
	Oc. cantator	13	167	
	Oc. grossbecki	1	1	
	Oc. japonicus	1	1	
	Oc. sollicitans	2	2	
Passaic		13	434	0
	Cx. pipiens	3	18	
	Cx. restuans	9	414	
	Oc. sticticus	1	2	
Salem		110	1422	0
	Ae. albopictus	2	13	
	Ae. vexans	3	5	
	An. punctipennis	3	4	
	An. quadrimaculatus	5	33	
	Cq. perturbans	1	1	
	Cs. melanura	7	50	
	Cx. erraticus	7	78	
	Cx. mix	35	398	
	Cx. pipiens	15	319	
	Cx. restuans	5	65	
	Cx. salinarius	1	1	
	Oc. canadensis	12	361	
	Oc. cantator	11	77	
	Oc. grossbecki	3	17	

Somerset		42	515	0
	An. punctipennis	1	1	
	An. quadrimaculatus	2	2	
	Cx. mix	25	478	
	Cx. pipiens	1	1	
	Cx. restuans	3	3	
	Oc. japonicus	7	26	
	Oc. triseriatus	3	4	
Sussex		96	1258	0
	Ae. cinereus	2	10	
	An. punctipennis	10	57	
	An. quadrimaculatus	4	17	
	Cq. perturbans	1	1	
	Cx. mix	34	724	
	Cx. pipiens	1	1	
	Cx. restuans	3	3	
	Cx. territans	1	12	
	Oc. canadensis	3	54	
	Oc. excrucians	1	3	
	Oc. japonicus	16	218	
	Oc. stimulans	7	116	
	Oc. triseriatus	13	42	
Warren		86	1809	0
	Ae. cinereus	1	1	
	Ae. vexans	2	5	
	An. punctipennis	6	8	
	An. quadrimaculatus	4	4	
	An. walkeri	1	1	
	Cx. mix	50	1612	
	Cx. restuans	3	9	
	Oc. aurifer	4	106	
	Oc. canadensis	2	11	
	Oc. cantator	3	16	
	Oc. japonicus	3	3	
	Oc. stimulans	4	30	
	Oc. triseriatus	3	3	
Grand Total		1348	26044	1