

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 5

Culiseta melanura Monitor

July 1 - 7, 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.)	3.5	0.5	98	16	0	Waterford (Camden Co.)	2.0	<0.1	11	7	0
Corbin City (Atlantic Co.)	0.9	0.1	101	19	0	Centerton (Salem Co.)	2.1	0.2	103	14	0
Dennisville (Cape May Co.)	4.2	0.1	856	27	0	Turkey Swamp (Monmouth Co.)	1.4	0.3	52	17	0

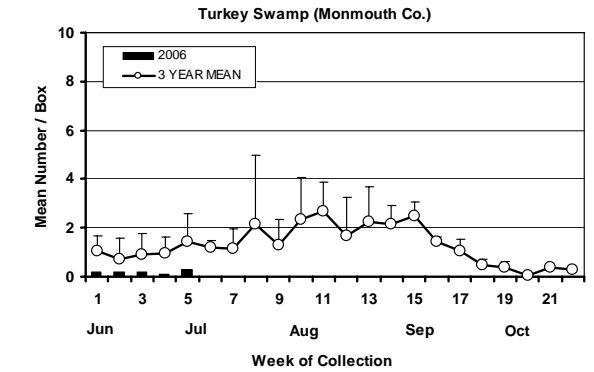
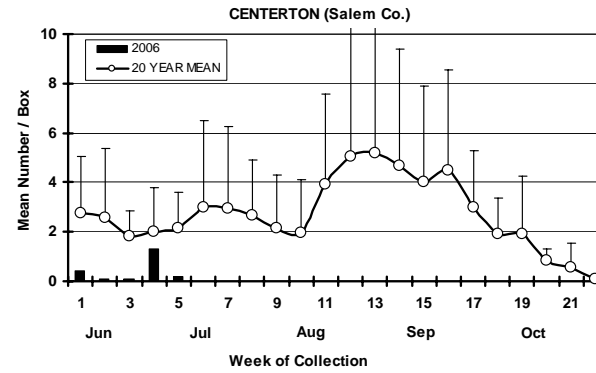
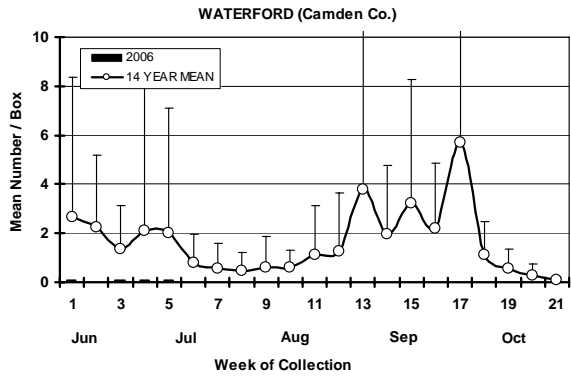
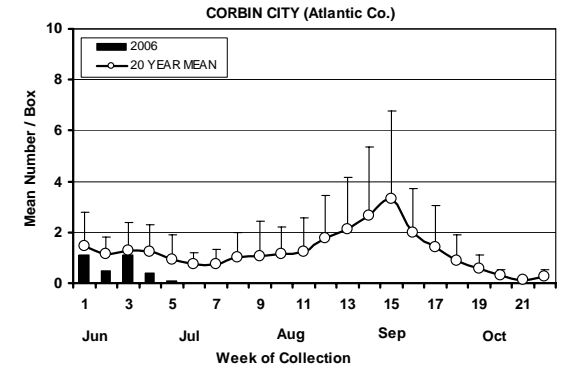
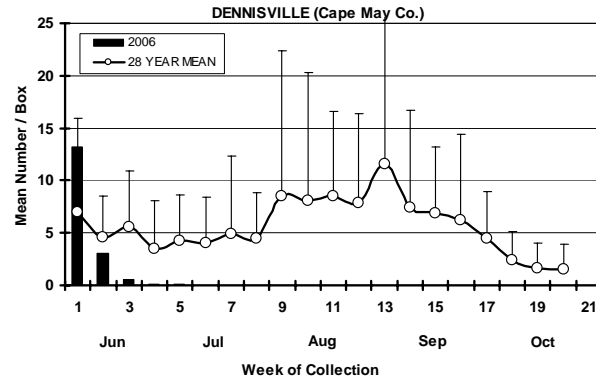
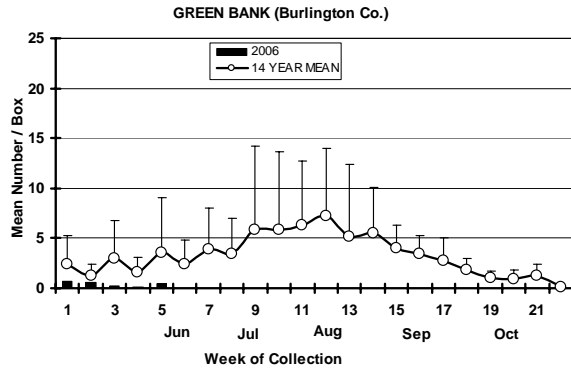
Collections submitted to PHEL for West Nile Virus testing

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	0	0	1	32	86	4	1	4	2	1	4	1	6	142
Total Specimens	0	0	10	1,274	1,160	202	1	215	6	7	26	1	87	2,989
No. Positive Pools	-	-	0	0	0	0	0	0	0	0	0	0	0	0

Remarks: *Culiseta melanura* populations remain exceptionally low for this time of year at all of the sites currently being monitored for EEE activity in New Jersey. Current populations largely represent adult mosquitoes that overwintered as 3rd and 4th instar larvae. There is little evidence to suggest that a significant influx of fresh specimens have emerged at any of the sites over the past several weeks. Larvae that hatched from eggs deposited by the spring generation of *Cs. melanura* adults will pupate and emerge during the months of July and August. The relative size of that cohort normally regulates amplification levels of EEE for the rest of the season. Closure of state offices in New Jersey prevented any additional specimen testing during the past week.

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Culiseta melanura Population Graphs



Mosquito species submitted for West Nile virus testing through July,7 2006

Species	Pools	Mosquitoes	Positives
Ae. albopictus	1	1	
Ae. canadensis	1	1	
Ae. japonicus	4	26	
Ae. sollicitans	1	7	
Ae. taeniorhynchus	1	2	
Ae. triseriatus	2	6	
Ae. trivittatus	4	215	
Ae. vexans	4	202	
An. punctipennis	2	8	
An. walkeri	1	11	
Cq. perturbans	2	66	
Cs. melanura	86	1160	
Cx. salinarius	1	10	
Cx. sp.	32	1274	
Grand Total	142	2989	0