

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 1&2

Culiseta melanura Monitor

May 29 – June 4, 2005

June 5 – June 12, 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.)	2.5 / 1.3	1.1 / 0.2	57 / 66	4 / 6	0	Waterford (Camden Co.)	2.8 / 2.4	0.4 / 0	22 / 22	3 / 3	0
Corbin City (Atlantic Co.)	1.5 / 1.2	0.2 / 0.4	5 / 16	2 / 4	0	Centerton (Salem Co.)	2.9 / 2.7	0.1 / 0.1	6 / 9	3 / 5	0
Dennisville (Cape May Co.)	7.0 / 4.5	5.7 / 5.5	287 / 554	7 / 14	0	Turkey Swamp (Monmouth Co.)	- / 0.2	0.6 / 0.2	16 / 22	4 / 6	0

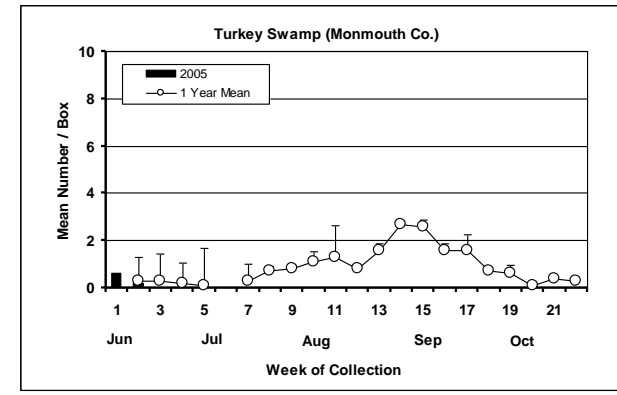
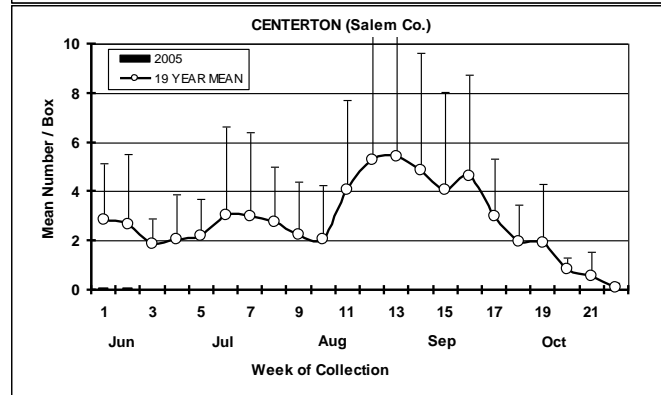
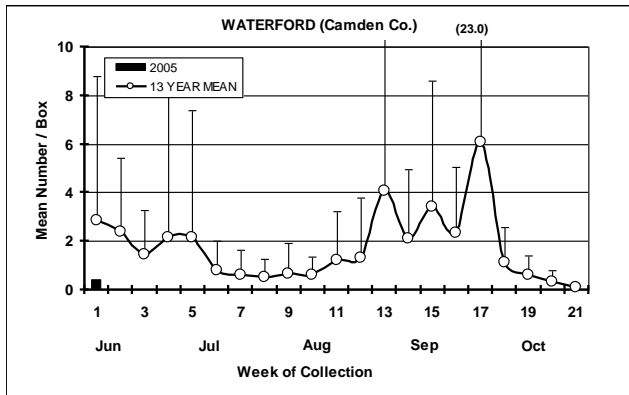
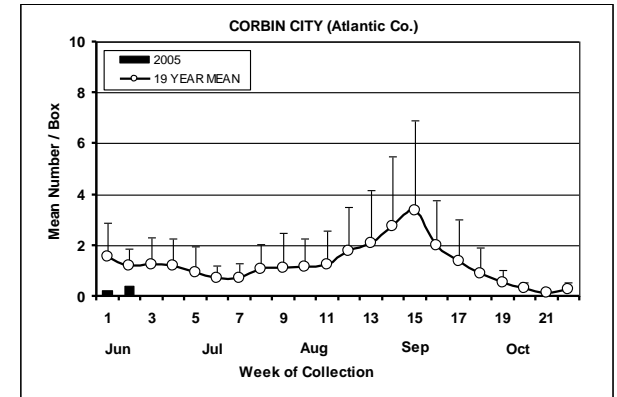
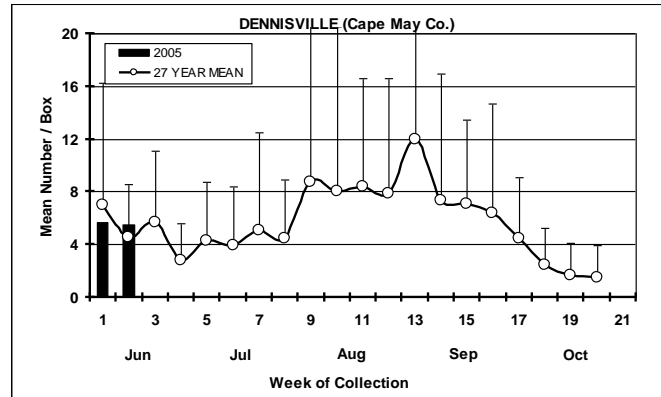
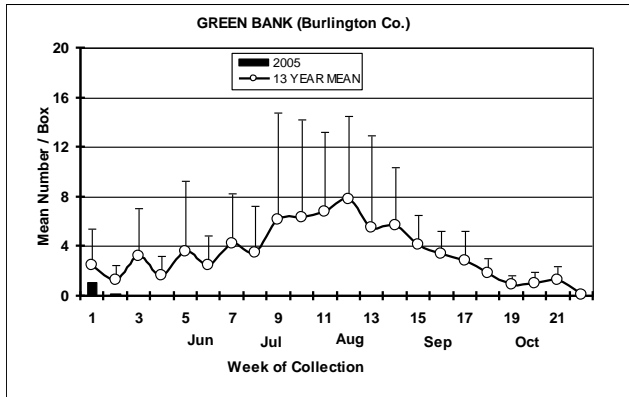
Collections submitted to PHEL for West Nile Virus testing

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	0	19	38	0	0	0	0	0	4	1	0	62
Total Specimens	0	0	0	538	689	0	0	0	0	0	16	1	0	1,244
No. Positive Pools	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remarks: This season's exceptionally cool spring weather pattern held back emergence of the 1st generation of *Cs. melanura* and resulted in low numbers of mosquitoes at most of our resting box sites. The Dennisville site in Cape May County is the only location where *Cs. melanura* abundance approach normal levels for this time of year. The unseasonably warm weather New Jersey is currently experiencing should stimulate mosquito activity and give us a better indication of this year's spring population levels and the potential for EEE amplification as the season progresses. Cool weather has also impacted spring populations of *Culex* mosquitoes and produced lower than average larval populations in most counties. A single confirmed dead crow from Hunterdon Co. is the only evidence for WNV activity in New Jersey, to date.

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Culiseta melanura Population Graphs



**Mosquito Species Submitted for West Nile Virus Testing through
June 10, 2005**

Species	Pools	Mosquitoes	Positives
Cs. melanura	38	689	
Cx. mix	19	538	
Oc. japonicus	4	16	
Oc. albopictus	1	1	
Grand Total	62	1244	0

Submissions by County through June 10, 2005

County	Species	Pools	Mosquitoes	Positives
Atlantic		4	16	0
	Cs. melanura	4	16	
Burlington		6	66	0
	Cs. melanura	6	66	
Camden		13	238	0
	Cs. melanura	3	22	
	Cx. mix	6	203	
	Oc. japonicus	3	12	
	Oc. albopictus	1	1	
Cape May		14	554	0
	Cs. melanura	14	554	
Monmouth		6	22	0
	Cs. melanura	6	22	
Salem		5	9	0
	Cs. melanura	5	9	
Middlesex		11	225	0
	Cx. mix	10	221	
	Oc. japonicus	1	4	
Somerset		3	114	0
	Cx. mix	3	114	
Grand Total		62	1244	0