

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 4

Culiseta melanura Monitor

June 24 - 30, 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.)	1.6	<0.1	75	13	0	Waterford (Camden Co.)	2.1	0.1	10	6	0
Corbin City (Atlantic Co.)	1.2	0.4	99	18	0	Centerton (Salem Co.)	2.0	1.3	91	11	0
Dennisville (Cape May Co.)	3.5	0.1	850	25	0	Turkey Swamp (Monmouth Co.)	1.0	0.1	35	14	0

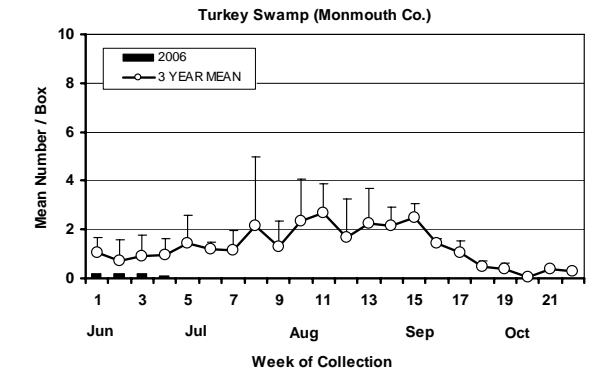
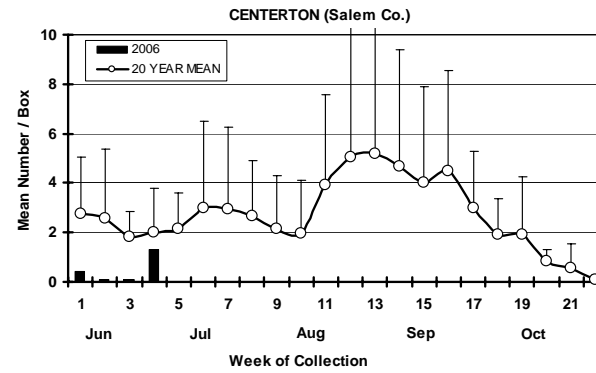
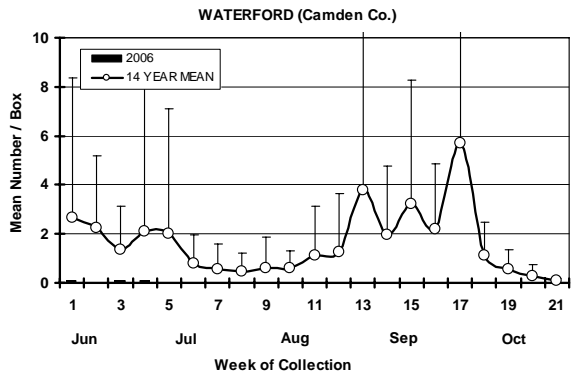
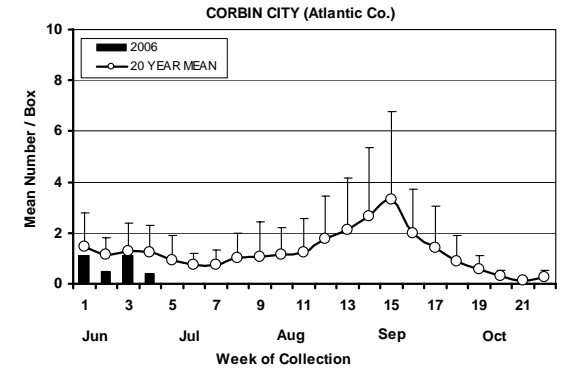
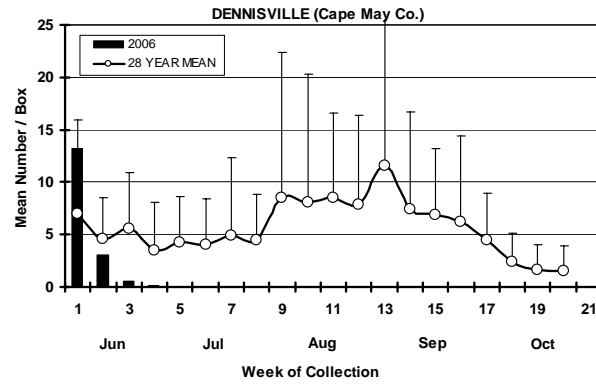
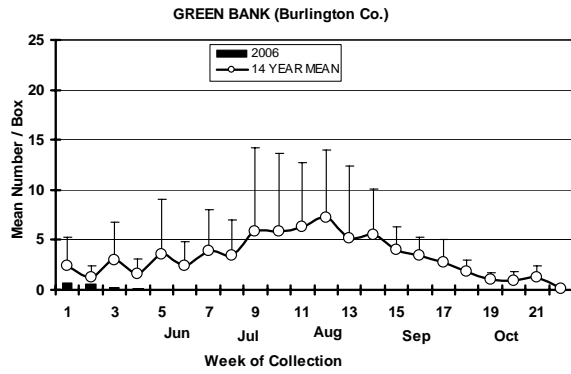
Collections submitted to PHEL for West Nile Virus testing

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: This week's collections of *Culiseta melanura* were unusually low at most of the resting box sites being monitored in New Jersey. The low numbers in this week's data set, however, could represent a collection artifact induced by the heavy rains New Jersey experienced over the past 7 days. Rain, high humidity and unusually wet conditions interfere with the collection process. The same conditions could, conceivably, impact the use of resting boxes as a preferred day time resting habitat by the mosquito population we are targeting in the surveillance effort. Overall, the 2006 data set shows a steady decline during June at all but the Centerton site. Collections over the next week or 2 could reverse that trend if larvae that overwintered in early instars add fresh adults to local populations. The results of early season tests for WNV are now available from collections submitted by Middlesex, Monmouth and Sussex counties. No positives were detected from any of the samples. WNV testing is expected to accelerate over the next several weeks.

New Jersey Agricultural Experiment Station Publication No. PT-08-40500-04-06 Supported by State funds and funding by the NJ State Mosquito Control Commission. Summary Prepared by: Wayne J. Crans, Rutgers University
--

Culiseta melanura Population Graphs



Mosquito species submitted for West Nile virus testing through 30 June 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