

# VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 1

## *Culiseta melanura* Monitor

June 2-6, 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.)	2.6	0.4	19	4	0	Waterford (Camden Co.)	3.0	0.2	11	2	0
Corbin City (Atlantic Co.)	1.6	0.2	5	3	0	Centerdon (Salem Co.)	2.9	0.9	45	4	0
Dennisville (Cape May Co.)	NC	-	-	-	0	Turkey Swamp (Monmouth Co.)	NC	-	-	-	0

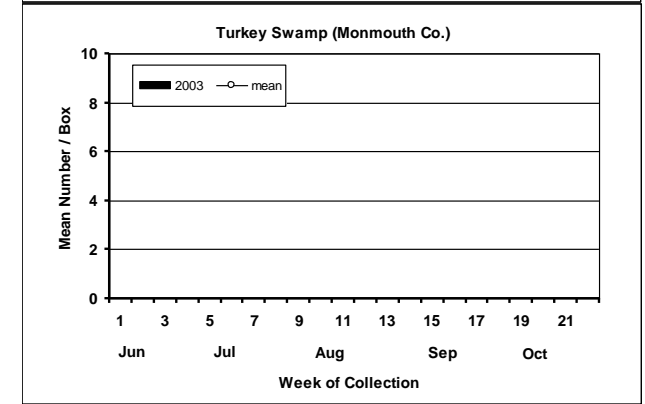
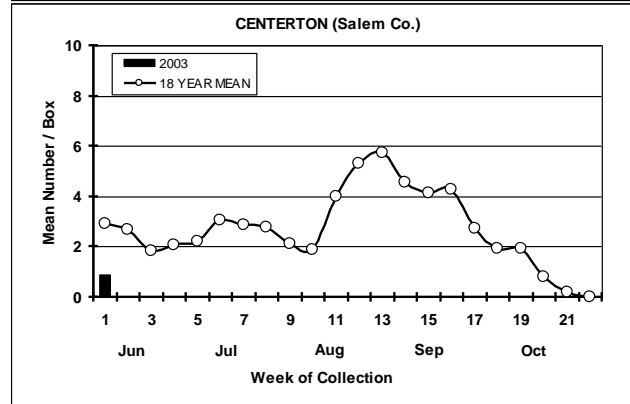
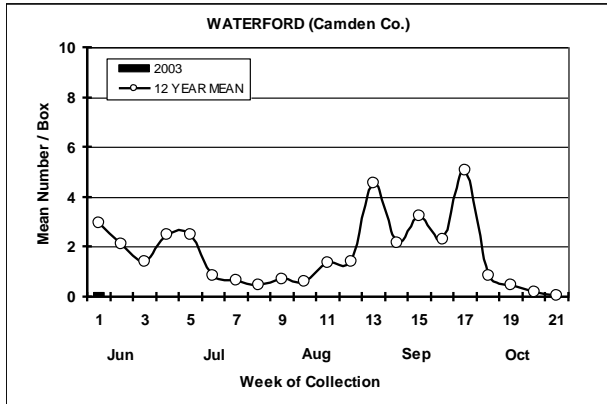
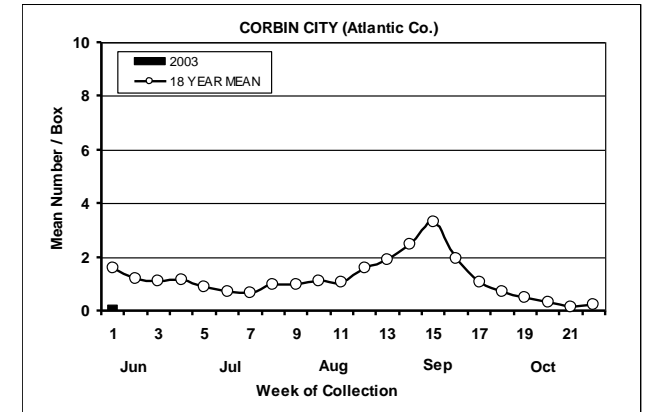
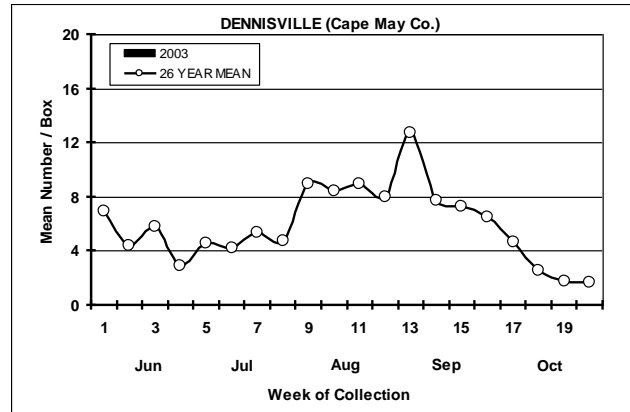
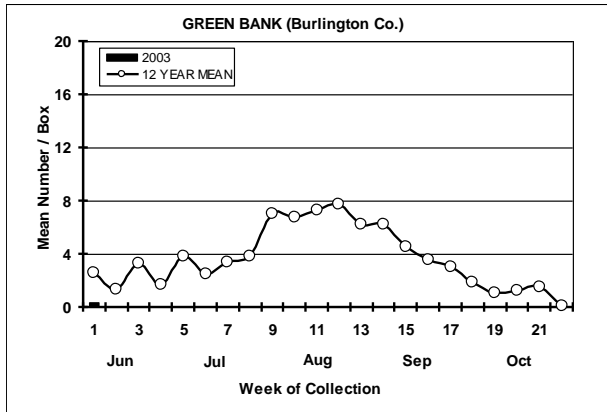
### Collections submitted to PHEL for West Nile Virus testing

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	127	3	502	17	101	1	41	1	56	2	200	1,112
Total Specimens	1,354	3,107	4	12,347	59	2,638	1	100	9	603	13	4,512	22,233
No. Positive Pools	1	0	0	0	0	0	0	0	0	0	0	0	1

**Remarks:** *Culiseta melanura* populations are lower than normal for this time of year at all of the sites the Vector Surveillance program is monitoring. Rutgers personnel are making the resting box collections at Green Bank, Waterford & Centerdon this year. The Atlantic County Mosquito Control Unit is sampling from the Corbin City collection site. The Cape May County Mosquito Commission will be making the collections at Dennisville. A new study site is being set up near the Monmouth/Ocean focus where equine cases have been reported in the past. Trial resting boxes are currently being monitored in Turkey Swamp and at Jackson to determine the best site for our purposes. More than 1000 pools of mosquitoes have been submitted to PHEL for WNV surveillance to date. Specimens processed at county agency facilities make up the majority of the surveillance effort and, as expected, *Culex* species. & *Oc. canadensis* form the bulk of the early season submissions. The single positive identified to date, was a pool of overwintering *Culex pipiens* taken from a hibernation site at Fort Hancock, Monmouth County in January.

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# Culiseta melanura Population Graphs



Mosquito Collections by County through June 8, 2003

County	Species	Pools	Mosquitoes	Positives
<b>Atlantic</b>		<b>80</b>	<b>2904</b>	<b>0</b>
	Ae. vexans	1	27	
	Cs. melanura	4	12	
	Cx. mix	38	1563	
	Oc. canadensis	15	660	
	Oc. cantator	14	515	
	Oc. grossbecki	3	44	
	Oc. sollicitans	1	9	
	Oc. sticticus	4	74	
<b>Bergen</b>		<b>112</b>	<b>3616</b>	<b>0</b>
	An. punctipennis	1	2	
	An. quadrimaculatus	4	4	
	Cx. mix	71	3127	
	Cx. pipiens	5	96	
	Cx. restuans	3	12	
	Oc. canadensis	1	7	
	Oc. japonicus	18	336	
	Oc. sticticus	1	15	
	Oc. triseriatus	8	17	
<b>Burlington</b>		<b>75</b>	<b>841</b>	<b>0</b>
	An. crucians	1	3	
	Ae. cinereus	4	4	
	Ae. vexans	4	5	
	An. punctipennis	4	9	
	Cx. mix	38	640	
	Cx. restuans	1	1	
	Oc. canadensis	13	146	
	Oc. grossbecki	7	22	
	Oc. sticticus	1	1	
	Oc. stimulans	2	10	
<b>Camden</b>		<b>9</b>	<b>53</b>	<b>0</b>
	Ae. vexans	1	1	
	An. punctipennis	1	4	
	Cx. mix	3	27	
	Cx. restuans	1	11	
	Oc. canadensis	1	4	
	Oc. grossbecki	2	6	
<b>Cape May</b>		<b>61</b>	<b>1495</b>	<b>0</b>
	Cx. mix	39	578	
	Oc. canadensis	14	595	
	Oc. cantator	3	101	
	Oc. grossbecki	5	221	
<b>Cumberland</b>		<b>8</b>	<b>138</b>	<b>0</b>
	Ae. vexans	1	1	
	Cx. restuans	6	136	
	Oc. canadensis	1	1	

<b>Essex</b>		<b>16</b>	<b>129</b>	<b>0</b>
	Cx. mix	3	5	
	Oc. canadensis	2	17	
	Oc. sticticus	9	104	
	Oc. stimulans	2	3	
<b>Gloucester</b>		<b>66</b>	<b>1568</b>	<b>0</b>
	Ae. vexans	2	2	
	An. punctipennis	2	2	
	Cx. mix	58	1556	
	Oc. excrucians	3	5	
	Oc. japonicus	1	3	
<b>Hunterdon</b>		<b>18</b>	<b>613</b>	<b>0</b>
	Cx. mix	14	606	
	Oc. triseriatus	4	7	
<b>Mercer</b>		<b>148</b>	<b>2894</b>	<b>0</b>
	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	
<b>Middlesex</b>		<b>26</b>	<b>287</b>	<b>0</b>
	Cx. mix	24	269	
	Oc. cantator	2	18	
<b>Monmouth</b>		<b>128</b>	<b>1667</b>	<b>1</b>
	Ae. vexans	1	8	
	An. punctipennis	1	1	
	An. quadrimaculatus	3	5	
	bar	1	1	
	ctt	3	14	
	Cx. mix	69	697	
	Cx. pipiens	24	772	overwintering
	Oc. abserratus	2	6	
	Oc. canadensis	9	144	
	Oc. cantator	8	12	
	Oc. japonicus	5	5	
	Oc. triseriatus	1	1	
	Oc. trivittatus	1	1	
<b>Morris</b>		<b>32</b>	<b>554</b>	<b>0</b>
	An.	1	1	

	quadrimaculatus			
	Cx. mix	6	227	
	Cx. pipiens	4	125	
	Cx. restuans	4	156	
	Oc. aurifer	1	1	
	Oc. canadensis	1	5	
	Oc. grossbecki	1	1	
	Oc. japonicus	5	12	
	Oc. triseriatus	9	26	
<b>Ocean</b>		<b>45</b>	<b>810</b>	<b>0</b>
	Ae. vexans	1	1	
	Cs. inornata	1	2	
	Cx. mix	13	199	
	Cx. restuans	14	484	
	Cx. salinarius	2	3	
	Cx. territans	1	1	
	Oc. canadensis	5	21	
	Oc. cantator	7	98	
	Oc. grossbecki	1	1	
<b>Passaic</b>		<b>13</b>	<b>434</b>	<b>0</b>
	Cx. pipiens	3	18	
	Cx. restuans	9	414	
	Oc. sticticus	1	2	
<b>Salem</b>		<b>88</b>	<b>1277</b>	<b>0</b>
	Ae. albopictus	2	13	
	Ae. vexans	3	5	
	An. punctipennis	3	4	
	An.			
	quadrimaculatus	5	33	
	Cx. erraticus	7	78	
	Cx. mix	27	337	
	Cx. pipiens	15	319	
	Cx. restuans	5	65	
	Cx. salinarius	1	1	
	Oc. canadensis	10	336	
	Oc. cantator	8	70	
	Oc. grossbecki	2	16	
<b>Somerset</b>		<b>36</b>	<b>348</b>	<b>0</b>
	An. punctipennis	1	1	
	An.			
	quadrimaculatus	2	2	
	Cx. mix	19	311	
	Cx. pipiens	1	1	
	Cx. restuans	3	3	
	Oc. japonicus	7	26	
	Oc. triseriatus	3	4	
<b>Sussex</b>		<b>78</b>	<b>1013</b>	<b>0</b>
	Ae. cinereus	1	3	
	An. punctipennis	7	31	
	An.			
	quadrimaculatus	4	17	

Cq. perturbans	1	1	
Cx. mix	27	574	
Cx. pipiens	1	1	
Cx. restuans	3	3	
Cx. territans	1	12	
Oc. canadensis	2	18	
Oc. japonicus	13	213	
Oc. stimulans	5	98	
Oc. triseriatus	13	42	
<b>Warren</b>	<b>73</b>	<b>1592</b>	<b>0</b>
Ae. cinereus	1	1	
Ae. vexans	1	4	
An. punctipennis	4	5	
An. quadrimaculatus	4	4	
An. walkeri	1	1	
Cx. mix	43	1424	
Cx. restuans	3	9	
Oc. aurifer	4	106	
Oc. canadensis	1	1	
Oc. cantator	1	1	
Oc. japonicus	3	3	
Oc. stimulans	4	30	
Oc. triseriatus	3	3	
<b>Grand Total</b>	<b>1112</b>	<b>22233</b>	<b>1</b>