

INSECTARY

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Cyclic colonies of the following six different species of mosquitoes are being maintained in this Centre (CRME, HQ).

1. *Aedes aegypti*
2. *Aedes albopictus*
3. *Anopheles stephensi*
4. *Culex quinquefasciatus*
5. *Culex tritaeniorhynchus*
6. *Toxorhynchites splendens*

The month wise number of pupae produced during the reporting year are shown in Table 23 and the quantity of various developmental stages or adult mosquitoes made available for various experiments to different sections and to other institutes are presented in Table 24.

Table 23. Monthwise pupal production of different mosquito species in the laboratory

Month & Year	<i>Ae. aegypti</i>	<i>Ae. albopictus</i>	<i>An. stephensi</i>	<i>Cx. quinquefasciatus</i>	<i>Cx. tritaeniorhynchus</i>	<i>Tx. splendens</i>
Apr 2005	3258	16516	4914	56263	12133	532
May	7120	24950	6749	55658	1026	106
June	3641	27923	7661	10157	17911	123
July	16403	45	5336	17820	25107	83
August	5657	2592	1245	13330	11366	140
September	1664	2742	1779	7783	5029	201
October	3204	2896	6683	9225	6270	696
November	4473	5181	1944	7799	2105	187
December	4503	2902	2262	5037	7078	121
Jan 2006	6431	3196	3730	3040	1874	91
February	6662	3269	6005	21603	5427	574
March	5390	4543	3921	10196	2715	790
Total	68406	96755	52229	217911	98041	3644

Table 24. Supply of adult and immature mosquitoes to different laboratories

Species	Internal supplies *			External supplies #			Total supplies		
	Eggs / Rafts	Immature	Adults	Eggs / Rafts	Immatures	Adults	Eggs / Rafts	Immatures	Adults
<i>Ae. aegypti</i>	600	3993	1130	3010	1400		3610	5393	1130
<i>Ae. albopictus</i>	500	9960	245				500	9960	245
<i>An. stephensi</i>		4680	20		4980			9660	20
<i>Cx. quinquefasciatus</i>		18400	120	85	3450	30	85	21850	150
<i>Cx. tritaeniorhynchus</i>	50	8810	130	90			140	8810	130
<i>Tx. splendens</i>		770	50		10			780	50
Total	1150	46613	1695	3185	9840	30	4335	56453	1725

* to different sections of the Centre

to other colleges/institutes

Cyclic colonies of the following mosquito species are being maintained at CRME (FS) Vridhachalam.

Cx. tritaeniorhynchus

Cx. vishnui

Cx. pseudovishnui

Ae. aegypti

Ae. albopictus

Tx. splendens

Details of mosquito colony and Pupal production are shown in Table 25.

850 *Tx. splendens* larvae and 2850 *Cx. tritaeniorhynchus* adults were supplied for the DST project work. About 500 (I – II instar) larvae and 100 adult mosquitoes of *Ae. albopictus* mosquito species were supplied for the M.Sc. Microbiology students for their dissertation work carried out at CRME, Madurai. Approximately, 300 *Cx. tritaeniorhynchus* larvae were supplied to three M.Phil., Zoology students of Annamalai University for their dissertation work.

Table 25. Production details of mosquito colony (April 2005 - March 2006)

Month	<i>Cx. tritaeniorhynchus</i>		<i>Cx. vishnui</i>		<i>Cx. pseudovishnui</i>		<i>Ae. aegypti</i>		<i>Ae. albopictus</i>		<i>Tx. splendens</i>	
	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total
April '05	4131	36895	406	1790	916	5239	25115	10166	-	-	3312	521
May	3612	32801	423	9899	1670	11403	31773	31574	-	-	12745	1311
June	3673	21020	791	3961	568	4348	19445	19161	-	-	3039	422
July	3274	32954	232	5362	714	7598	25620	12188	-	-	1550	443
August	4361	17385	485	5896	1531	10268	23250	12875	1445	940	3000	472
September	2327	7158	103	1116	648	3062	10364	6941	2477	1532	5167	588
October	2678	10507	257	2071	1019	5485	22775	5882	4035	5497	13580	198
November	1691	8771	161	1563	268	4001	11615	9065	6440	3652	9935	699
December	2528	18042	171	2269	635	6063	14115	7061	8610	6169	10210	575
January '06	4726	15306	479	3586	1518	8008	11924	5705	2626	3001	8590	494
February	1782	11887	323	3759	497	6783	12497	10927	3683	2329	15496	705
March	7300	25418	242	3639	811	10870	32835	26028	3712	3043	18549	1081
Total	42083	238144	4073	44911	10795	83128	241328	157573	33028	26163	105173	7509