

I NSECTARY

Colonization of different mosquito species are being made at two laboratories CRME, Madurai and CRME Field Station, Vridhachalam

Cyclic colonies of the following six species of mosquitoes are being maintained in CRME, Madurai:

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 6.1 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 6.2.

Table 6.1. Month wise pupal production of different mosquito species in the laboratory

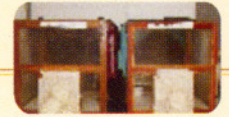
Month & Year	<i>Ae. aegypti</i>	<i>Ae. albopictus</i>	<i>An. stephensi</i>	<i>Cx. quinquefasciatus</i>	<i>Cx. tritaeniorhynchus</i>	<i>Tx. splendens</i>
Apr 2004	16717	-	-	11223	4473	2728
May	11886	-	-	10578	4088	2536
June	35673	-	-	13301	4147	2176
July	34016	14843	-	12170	3541	1896
August	68404	10676	-	39816	3456	1295
September	31033	-	-	36243	11563	1755
October	29218	797	-	32666	13025	2369
November	21203	7670	-	17634	5902	1351
December	66060	8034	-	78692	23707	1352
Jan 2005	38440	4960	498	23868	18205	1825
February	30585	9820	1602	41516	10394	238
March	33756	35081	7215	77009	12991	322
Total	416991	91881	9315	394716	115492	19843

Table 6.2. Supply of adult and immature mosquitoes to different laboratories

Species	Internal *			External #		Total supplies			
	Larvae	Pupae	Adults	Eggs/Rafts	Larvae	Eggs/Rafts	Larvae	Pupae	Adults
<i>Ae. aegypti</i>	300	600	2000	3100	400	3100	700	600	2000
<i>Ae. albopictus</i>	-	-	100	-	-	-	-	-	100
<i>An. stephensi</i>	106	15	20	-	-	-	106	15	20
<i>Cx. quinquefasciatus</i>	24950	200	150	269	7800	269	32750	200	150
<i>Cx. tritaeniorhynchus</i>	-	-	105	-	-	-	-	-	105
<i>Tx. splendens</i>	1145	-	230	-	-	-	1145	-	230
Total	26501	815	2605	3369	8200	3369	34701	815	2605

* to different sections of the Centre

to other colleges/institutes



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

1. *Cx. tritaeniorhynchus*
2. *Cx. vishnui*
3. *Cx. pseudovishnui*
4. *Ae. aegypti*
5. *Tx. splendens*

Details of pupal production are shown in Table 6.3.

Table 6.3. Details of mosquito colony eggs & pupal production (Apr'04 -Mar'05)

Month	<i>Cx. tritaeniorhynchus</i>		<i>Cx. vishnui</i>		<i>Cx. pseudovishnui</i>		<i>Ae. aegypti</i>		<i>Tx. splendens</i>	
	No. of rafts	Total Pupae	No. of rafts	Total Pupae	No. of rafts	Total Pupae	No. of eggs	Total Pupae	No. of eggs	Total Pupae
April'04	878	10920	102	1341	525	3641	2407	2152	1564	284
May	1755	15819	356	3937	1104	4402	3106	1304	915	142
Jun	1848	13637	232	1987	1598	4023	4187	2615	428	208
Jul	3245	12944	223	1312	885	3165	3093	1157	1275	247
Aug	2089	14270	414	3547	485	1494	8010	2997	451	62
Sep	1716	7857	529	5053	253	2136	6955	2550	2281	126
Oct	510	9816	212	2201	294	2216	2483	1831	808	143
Nov	696	4108	103	289	455	1665	3812	1662	992	217
Dec	3136	25238	114	2307	537	6229	6374	8246	10979	1548
Jan'05	7394	29421	640	6282	1555	7766	11683	3812	25528	2510
Feb	4969	40261	483	12734	1917	11332	19676	19553	11482	1014
Total	28236	184291	3408	40990	9608	48069	71786	47879	56703	6501

1450 *Tx. splendens* larvae and 3839 *Cx. tritaeniorhynchus* adults were supplied to DST project. 20 Egg rafts, 800 *Cx. tritaeniorhynchus* larvae and 100 *Cx. pseudovishnui* larvae were supplied to the CRME (HQ) for colony section. 300 adults & 400 larvae belongs to *Cx. vishnui* subgroup mosquito species and 200 adults & 200 larvae belongs to *Ae. aegypti* were supplied for scientific exhibition conducted at CRME (FS), Tirukoilur and also 450 larvae & 500 eggs of *Ae. aegypti* mosquito species supplied to CRME Chennai Camp unit for the demonstration during the IEC programme at Chennai.

Immature larvae and adult mosquitoes were supplied to different sections for various scientific works. Details are given in Table 6.4.

Table 6.4. Details of mosquito adults & larvae supplied for scientific experiments (Apr 04 - Mar -05)

Supplied To	<i>Cx. tritaeniorhynchus</i>			<i>Cx. vishnui</i>		<i>Cx. pseudovishnui</i>		<i>Ae. aegypti</i>			<i>Tx. splendens</i>
	Eggs rafts	Larvae	Adult	Larvae	Adult	Larvae	Adult	Eggs	Larvae	Adult	Larvae
DST project	-	-	3839	-	-	-	-	-	-	-	1450
CRME, HQ, Madurai	20	800	-	-	-	100	-	-	-	-	-
CRME, FS, Thirukoilur	-	200	100	100	100	100	100	200	100	100	-
CRME, FS, Chennai	-	-	-	-	-	-	-	500	450	-	-
Total	20	1000	3939	100	100	200	100	700	550	100	1450