

**EP.No. 85 /2009-10 - Progeny trial cum establishment of SSO and conversion into Seed Stand of *Melia dubia*.**

<b>1</b>	<b>IUCN Conservation Status</b>	:	Not listed
<b>2</b>	<b>Range / Location</b>	:	Chengam (R) Range      Jamunamarathur (R) Centre
<b>3</b>	<b>Objectives</b>	:	<ul style="list-style-type: none"> <li>• Collection of quality seeds from seed origin stand.</li> <li>• Assembling superior CPT's for getting quality seeds.</li> </ul>
<b>4</b>	<b>Area</b>	:	1 ha
<b>5</b>	<b>Planted / Survival</b>	:	435 / 390.
<b>6</b>	<b>Period of experiment</b>	:	2009-permanent.
<b>7</b>	<b>Season- month</b>	:	Flowering-April -June. Fruiting-October to February.
<b>8</b>	<b>Details of fruit yield</b>	:	A total of 30 kg (2024–25) of seeds were collected and sent to the Trichy Seed Centre.
<b>9</b>	<b>Current status</b>	:	The average height is 10.42 m and the average girth as 66.23 cm. The trees are performing well with a survival rate of 89 %.



### CPT-wise growth rate - *Melia dubia*

S. No.	EP. No.	Name of the Experiment	Details of CPT's		No. of trees	Survival	Av. ht. (m)	Increment height (m)	Av. Girth (cm)	Av. Dia (cm)	Increment dia (cm)	Tallest tree (m)	Increment height (m)	Max girth (cm)	Max dia (cm)	Increment dia (cm)
			No of CPT's	Location												
1	85 /2009-10	Progeny trial cum establishment of SSO and conversion into Seed Stand of <i>Melia dubia</i>	1	Anchetti	29	24	8.479	0.565	48.1	15.318	1.021	12.5	0.833	84	26.752	1.783
			2	Anchetti	29	25	9.908	0.661	57	18.153	1.210	15	1.000	98	31.210	2.081
			3	Geejanakuppam	29	19	10.552	0.703	67.3	21.433	1.429	14.5	0.967	98	31.210	2.081
			4	Geejanakuppam	29	28	9.942	0.663	66.6	21.210	1.414	12.5	0.833	114	36.306	2.420
			5	Ramachandrankadu	29	25	10.02	0.668	65	20.701	1.380	12.5	0.833	104	33.121	2.208
			6	Ramachandrankadu	29	29	10.603	0.707	69.1	22.006	1.467	13.5	0.900	101	32.166	2.144
			7	Kunthukottai	29	26	10.865	0.724	68.5	21.815	1.454	12.5	0.833	119	37.898	2.527
			8	Varattupallam	29	27	10.537	0.702	70.9	22.580	1.505	12.5	0.833	121	38.535	2.569
			9	Varattupallam	29	28	11.232	0.749	69	21.975	1.465	13	0.867	110	35.032	2.335
			10	Varattupallam	29	28	10.767	0.718	67.3	21.433	1.429	12.5	0.833	97	30.892	2.059
			11	Varattupallam	29	27	10.759	0.717	67	21.338	1.423	12.5	0.833	85	27.070	1.805
			12	Thattakari	29	25	10.5	0.700	68	21.656	1.444	12.5	0.833	102	32.484	2.166
			13	A.K.Mottur	29	26	10.48	0.699	64.1	20.414	1.361	13	0.867	107	34.076	2.272
			14	A.K.Mottur	29	27	10.981	0.732	69.5	22.134	1.476	13	0.867	112	35.669	2.378
			15	A.K.Mottur	29	26	10.721	0.715	76.1	24.236	1.616	12	0.800	128	40.764	2.718
Total / averages					435	390	10.42	0.695	66.23	21.093	1.41	12.93	0.862	105.33	33.55	2.236