

**Camacho et al. "Male moths that shed their genital spines inside the female: a survey of male mating costs and material investment during copulation"**

**A. Dataset of the "Survival Costs" Experiment**

Each row corresponds to one experimental male. Key: **OMM**: once-mated male. **VM**: virgin male. **UM**: unsuccessful male.

**LWL**: left wing length. **DC**: Deciduous cornuti. **CB**: female's corpus bursae. **Total DC**: DC on Endophallus + DC in CB.

**Ejaculate Weight**: uncorrected weight of the bursa copulatrix + ejaculate + deciduous cornuti.

Male	Treatment	LWL (mm)	Longevity (d)	DC on Endophallus	DC in CB	Total DC	Ejaculate Weight (mg)
1	OMM	10.9	7	0	30	30	2.85
2	OMM	11.73	10				3.32
3	OMM	10.9	11	1	33	34	3.22
4	OMM	11.28	12	0	19	19	2.8
5	OMM	10.1	12	0	25	25	4.53
6	OMM	11.27	14	0	29	29	3.2
7	OMM	10.03	14	0	27	27	3.26
8	OMM	10.06	17	1	22	23	1.87
9	OMM	10.22	17	0	28	28	3.13
10	OMM	11.52	17	1	27	28	3.46
11	OMM	11.49	17	0	29	29	3.7
12	OMM	10.54	17	0	26	26	4.02
13	OMM	10.7	18	0	22	22	2.9
14	OMM	10.74	20	0	22	22	2.38
15	OMM	12.49	20	0	32	32	3.21
16	OMM	12.02	21	0	32	32	3.06
17	OMM	10.71	22	0	30	30	3.24
18	OMM	10.76	22	0	25	25	3.97
19	OMM	10.84	23	0	31	31	3.16
20	OMM	10.64	23	0	26	26	3.77
21	OMM	11.18	23	0	22	22	3.91
22	OMM	10.62	24	0	29	29	1.83
23	OMM	11.17	24	0	26	26	3.24
24	OMM	9.91	25	3	23	26	2.37
25	OMM	10.91	25	10	21	31	3.06
26	OMM	11.4	26	4	34	38	3.62
1	VM	10.62	10				
2	VM		11				
3	VM	10.89	12				
4	VM	10.08	17				
5	VM	11.38	18				
6	VM	10.29	19				
7	VM	10.58	19				
8	VM		20				
9	VM	10.34	21				
10	VM	10.8	21				
11	VM	9.68	22				
12	VM	11.12	23				
13	VM		24				
14	VM	11.7	24				
15	VM	10.71	24				
16	VM	11.11	28				
1	UM	11.03	9				
2	UM	9.2	10				
3	UM	10.76	11				
4	UM	11.35	13				
5	UM	9.86	14				
6	UM	9.81	14				
7	UM	11.16	16				
8	UM	11.39	17				
9	UM	10.72	18				
10	UM	9.87	21				
11	UM	9.89	21				
12	UM	11.19	26				

**Camacho et al. "Male moths that shed their genital spines inside the female: a survey of male mating costs and material investment during copulation" (cont.)**

**B. Dataset of the "Relative Investment" Experiment**

Each row corresponds to one experimental male. Key: **LWL**: left wing length. **BW**: body weight.

**DC**: Deciduous cornuti. **CB**: female's corpus bursae. **Ejaculate Weight**: uncorrected weight of the bursa copulatrix + ejaculate + deciduous cornuti.

Male	LWL (mm)	BW (mg)	DC in CB	Ejaculate Weight (mg)
1	9.28	17.30	27	3.28
2	9.76	19.80	24	2.4
3	9.35	20.40	30	2.62
4	10.79	24.30	26	1.76
5	10.32	20.30	21	3.02
6	10.8	17.50	29	2.77
7	10.71	22.70	28	2.78
8	9.65	17.70	19	2.12

**C. Weight of the corpus bursae of virgin females**

Female	CB weight (mg)
1	0.504
2	0.396
3	0.739
4	1.184
5	0.937