

Table 3 Effect of gamma irradiation (150 Gy) alone or in combination with Barnoof extract on the energy budget of *A. ipsilon* in F₁ progeny

Treatments	Gross energy in food ingested (Cal)	Gross energy in faeces (Cal)	Gross energy in food balance (Cal)	Gross energy stored in body (Cal)	CME %	ESI(E) %	ESM(E) %
Control	5 672.17 a	695.63 a	4 393.10 a	1 958.06 a	87.74 a	34.99 a	39.89 a
100 Gy	4 183.90 b	624.11 a	3 036.32 c	2 214.16 b	85.08 a	52.92 b	62.20 b
T/C%	73.76	89.72	69.12	115.41	96.97	151.24	155.93
Acetone extract%							
100 Gy+Acet.only	4 733.78 ab	520.10 b	3 777.46 b	1 664.63 c	89.01 a	35.16 a	39.51 a
T/C%	83.46	74.77	85.99	83.86	101.45	100.49	99.05
100 Gy+1.5% Ext.	4 775.62 ab	503.84 bc	3 849.19 ab	1 396.58 d	89.45 a	29.24 c	32.69 c
T/C%	84.19	72.43	87.62	70.35	101.95	83.57	81.95
100 Gy+3% Ext.	4 784.58 ab	484.34 c	3 897.00 ab	2 503.64 b	89.88 a	52.29 b	58.18 b
T/C %	84.41	69.63	88.71	126.12	102.44	149.44	145.85
Petroleum ether extract%							
100Gy+Petr.only	4 901.14 a	695.63 a	3 622.06 b	1 657.93 c	85.81 a	33.83 a	39.42 a
T/C %	86.41	100.00	82.45	83.52	97.80	96.68	98.82
100 Gy+1.5% Ext.	5 026.66 a	650.12 a	3 831.26 ab	1 821.46 a	87.07 a	36.24 a	41.62 a
T/C%	88.62	93.46	87.21	91.76	99.24	103.57	104.34
100 Gy+3% Ext.	5 140.22 a	624.12 a	3 992.64 a	1 828.76 a	87.86 a	35.58 a	40.49 a
T/C%	90.62	89.72	90.88	92.13	100.14	101.69	101.50

Note: Means followed by the same letter in each column are not significantly different at ($p > 0.05$), T/C: Treated/Control, F₁: First Filial generation, Ext.: Extract. Acet.: Acetone, Pet.: Petroleum ether